GORDIAN®

Job Order Contract Construction Task Catalog®

CSI Divisions 01-50 2026

County of Monterey

Facilities

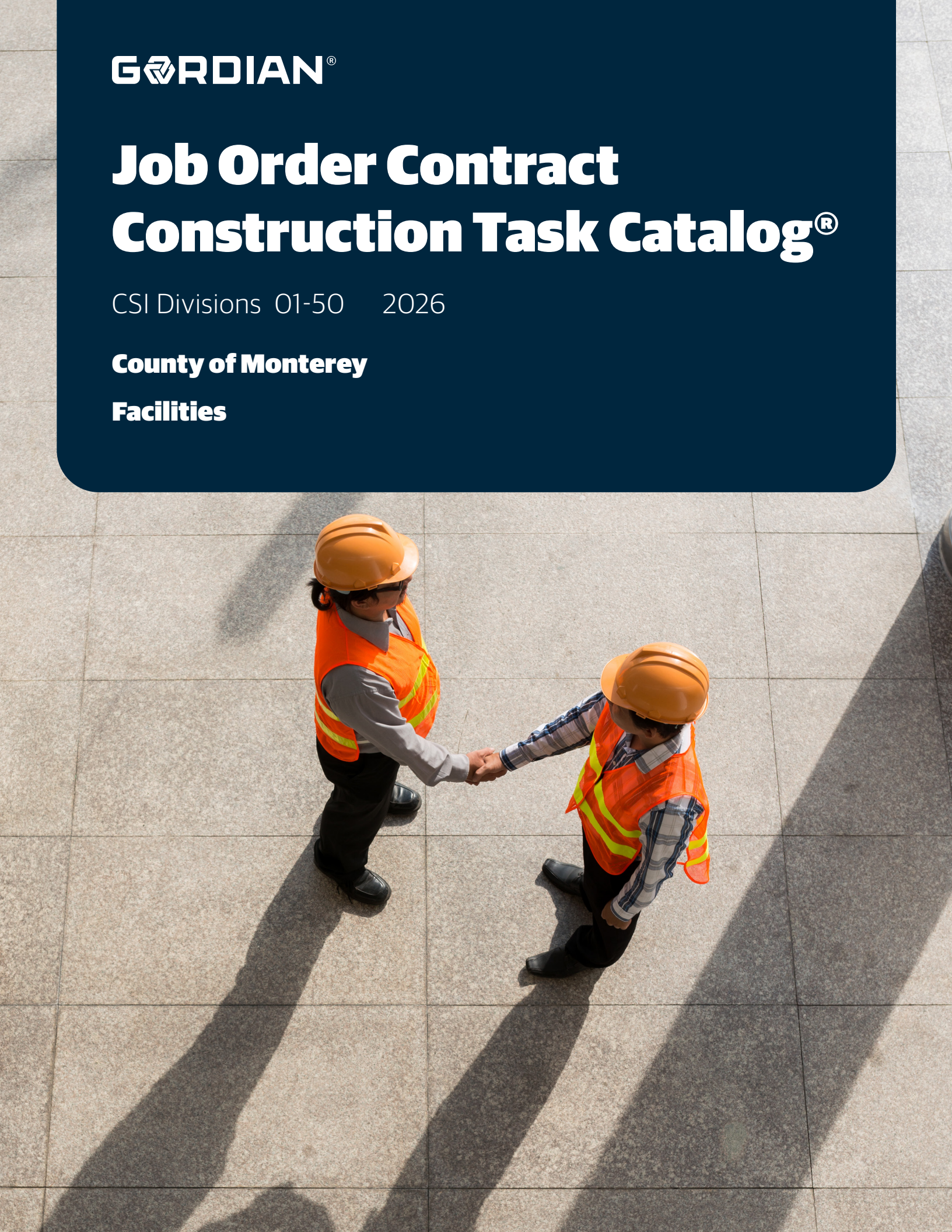

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Monterey**, priced locally using current labor, material and equipment costs, and published in June 2026.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Monterey**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

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shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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Field Engineering:

☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.

☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HDAY – Half Day, HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose

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(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2) height
- Surface Area = 2 π radius^2+(2 π radius) height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees	1.00	
		Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.		

01 22 16 00-0003 Negotiated Travel Costs *(01 22 16)*

Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004	EA	Negotiated Travel Costs	1.00	
		Note: Supporting documentation must be included with each Work Order.		

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0003	HR	Insulator	135.32	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.77*	
		For Apprentice, Deduct	*-27.06*	
01 22 20 00-0004	HR	Boilermaker	123.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.17*	
		For Apprentice, Deduct	*-24.69*	
01 22 20 00-0005	HR	Brick Layer	117.50	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.88*	
		For Apprentice, Deduct	*-23.50*	
01 22 20 00-0006	HR	Carpenter	141.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.08*	
		For Apprentice, Deduct	*-28.31*	
01 22 20 00-0007	HR	Carpet, Linoleum	138.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.93*	
		For Apprentice, Deduct	*-27.72*	
01 22 20 00-0008	HR	Cement Mason	105.27	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.26*	
		For Apprentice, Deduct	*-21.05*	
01 22 20 00-0009	HR	Drywall Finisher	129.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.48*	
		For Apprentice, Deduct	*-25.92*	
01 22 20 00-0010	HR	Electrician, Inside Wireman	134.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.73*	
		For Apprentice, Deduct	*-26.92*	
01 22 20 00-0011	HR	Equipment Operator, Crane, Group 1-A	139.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0012	HR	Equipment Operator, Crane, Group 2-A	136.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013	HR	Equipment Operator, Crane, Group 3-A	134.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0014	HR	Equipment Operator, Medium, Group 3	134.04	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.70*	
		For Apprentice, Deduct	*-26.81*	
01 22 20 00-0015	HR	Equipment Operator, Medium, Group 4	132.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016	HR	Equipment Operator, Medium, Group 5	130.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR	Equipment Operator, Light, Group 6	128.48	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.42*	
		For Apprentice, Deduct	*-25.70*	
01 22 20 00-0018	HR	Equipment Operator, Light, Group 7	126.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR	Equipment Operator, Light, Group 8	125.32	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020	HR	Glazier	129.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.49*	
		For Apprentice, Deduct	*-25.96*	
01 22 20 00-0021	HR	Laborer	95.29	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR	Lather	132.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.64*	
		For Apprentice, Deduct	*-26.56*	
01 22 20 00-0023	HR	Marble Setter	132.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.60*	
		For Apprentice, Deduct	*-26.41*	
01 22 20 00-0024	HR	Millwright	137.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.88*	
		For Apprentice, Deduct	*-27.50*	
01 22 20 00-0025	HR	Mold Removal Worker	99.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.98*	
		For Apprentice, Deduct	*-19.90*	
01 22 20 00-0026	HR	Painter, Ordinary	114.47	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.72*	
		For Apprentice, Deduct	*-22.89*	
01 22 20 00-0027	HR	Painter, Structural Steel	119.18	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.96*	
		For Apprentice, Deduct	*-23.84*	
01 22 20 00-0028	HR	Paperhanger	114.47	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.72*	
		For Apprentice, Deduct	*-22.89*	
01 22 20 00-0029	HR	Pile Drivers	151.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.57*	
		For Apprentice, Deduct	*-30.28*	
01 22 20 00-0030	HR	Plasterer	126.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.34*	
		For Apprentice, Deduct	*-25.35*	
01 22 20 00-0031	HR	Plumber	133.62	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.68*	
		For Apprentice, Deduct	*-26.72*	
01 22 20 00-0032	HR	Powderman	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0033	HR	Rodman (Reinforcing)/Ornamental Steel Worker	115.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.76*	
		For Apprentice, Deduct	*-23.02*	
01 22 20 00-0034	HR	Roofer, Composite	147.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.38*	
		For Apprentice, Deduct	*-29.53*	
01 22 20 00-0035	HR	Roofer, Metal	152.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.62*	
		For Apprentice, Deduct	*-30.49*	
01 22 20 00-0036	HR	Roofer, Tile/Slate	143.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.17*	
		For Apprentice, Deduct	*-28.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037	HR	Sheet Metal Worker	146.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.34*	
		For Apprentice, Deduct	*-29.36*	
01 22 20 00-0038	HR	Sprinkler Installer	104.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.22*	
		For Apprentice, Deduct	*-20.88*	
01 22 20 00-0039	HR	Steam / Pipe Fitter	133.62	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.68*	
		For Apprentice, Deduct	*-26.72*	
01 22 20 00-0040	HR	Stone Mason	117.50	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.88*	
		For Apprentice, Deduct	*-23.50*	
01 22 20 00-0041	HR	Iron Worker, Structural	118.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.93*	
		For Apprentice, Deduct	*-23.71*	
01 22 20 00-0042	HR	Tile Layer	115.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.76*	
		For Apprentice, Deduct	*-23.02*	
01 22 20 00-0043	HR	Terrazzo Worker	123.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.20*	
		For Apprentice, Deduct	*-24.80*	
01 22 20 00-0044	HR	Truck Driver, Light, Group 1	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0045	HR	Truck Driver, Medium, Group 2	100.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046	HR	Truck Driver, Heavy, Group 3	100.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.04*	
		For Apprentice, Deduct	*-20.16*	
01 22 20 00-0047	HR	Truck Driver, Heavy, Group 4	101.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048	HR	Class I Diver	245.01	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049	HR	Class III Diver Tender	171.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050	HR	Welder	118.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.93*	
		For Apprentice, Deduct	*-23.71*	
01 22 20 00-0051	HR	D1 Certified Welder	138.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0052 Rates For Services *(01 22 20)*

01 22 20 00-0053	HR	Watch/Guard Person, Unarmed	36.07	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0054	HR	Watch/Guard Person, Armed	44.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0055	HR	Surveyor, Rod Person	123.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0056	HR	Senior Surveyor, Party Chief	140.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0057	HR	Surveyor, Instrument Person	126.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0058	HR	On-Site Certified Materials Testing Technician	92.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0059	HR	Certified Industrial Hygienist	126.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0060	MI	Mileage For Professional Services (Engineering, Surveying, etc.)	0.72	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0061	EA	Security Badge, Processing Fee	95.36	
01 22 20 00-0062	HR	Biologist	123.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063	HR	Ecologist	143.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0064	HR	Fire Watch Laborer	95.29	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0065		**Rates For Project Management Services** *(01 22 20)* Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0066	HR	Project Manager Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	160.00	
01 22 20 00-0067		**Rates For Architectural And Engineering Services** *(01 22 20)* Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0068	HR	Principal Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	243.12	
01 22 20 00-0069	HR	Senior Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	179.38	
01 22 20 00-0070	HR	Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	140.62	
01 22 20 00-0071	HR	Principal Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	210.00	
01 22 20 00-0072	HR	Senior Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	174.12	
01 22 20 00-0073	HR	Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	137.00	
01 22 20 00-0074	HR	Draft Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.88	
01 22 20 00-0075		**Rates For Traffic Control** *(01 22 20)*		
01 22 20 00-0076	DAY	Pilot Vehicle With Driver Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	1,172.63	
01 22 20 00-0077	HR	Flagperson For Traffic Control	95.29	
01 22 20 00-0078		**Transport And Escort Vehicles** *(01 22 20)*		
01 22 20 00-0079	HR	Escort Vehicle With Driver	108.46	
01 22 20 00-0080	HR	Transport Vehicle With Driver	154.58	
01 22 23		**Equipment Usage** *(01 22)* Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0075 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001		**Aerial Equipment** *(01 22 23)*		
01 22 23 00-0002		**Man Lifts** *(01 22 23 00-0001)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003		**Telescoping Boom Man Lifts With Platform** *(01 22 23 00-0002)*		
01 22 23 00-0004		**Engine Powered, Telescoping Boom Man Lifts With Platform** *(01 22 23 00-0003)* Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	454.00	
		For Four-Wheel Drive, Add	*102.15*	
		For Half Day Usage, Deduct	*-141.88*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,142.31	
		For Four-Wheel Drive, Add	*257.02*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,562.88	
		For Four-Wheel Drive, Add	*576.65*	
		For >6 Months (>26 Weeks), Deduct	*-102.52*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	666.35	
		For Four-Wheel Drive, Add	*149.93*	
		For Half Day Usage, Deduct	*-208.23*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,588.98	
		For Four-Wheel Drive, Add	*357.52*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,478.19	
		For Four-Wheel Drive, Add	*782.59*	
		For >6 Months (>26 Weeks), Deduct	*-139.13*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,296.08	
		For Four-Wheel Drive, Add	*291.62*	
		For Half Day Usage, Deduct	*-405.03*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,141.35	
		For Four-Wheel Drive, Add	*706.80*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,590.25	
		For Four-Wheel Drive, Add	*1,482.81*	
		For >6 Months (>26 Weeks), Deduct	*-263.61*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,845.27	
		For Four-Wheel Drive, Add	*415.19*	
		For Half Day Usage, Deduct	*-576.65*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,443.29	
		For Four-Wheel Drive, Add	*999.74*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,071.62	
		For Four-Wheel Drive, Add	*2,491.11*	
		For >6 Months (>26 Weeks), Deduct	*-442.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0017		DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,248.01	
			For Four-Wheel Drive, Add	*505.80*	
			For Half Day Usage, Deduct	*-702.50*	
01 22 23 00-0018		WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,733.52	
			For Four-Wheel Drive, Add	*1,290.04*	
01 22 23 00-0019		MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	13,034.05	
			For Four-Wheel Drive, Add	*2,932.66*	
			For >6 Months (>26 Weeks), Deduct	*-521.36*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022		DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	404.80	
			For Half Day Usage, Deduct	*-126.50*	
01 22 23 00-0023		WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,015.68	
01 22 23 00-0024		MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,443.52	
			For >6 Months (>26 Weeks), Deduct	*-97.74*	
01 22 23 00-0025		DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	515.20	
			For Half Day Usage, Deduct	*-161.00*	
01 22 23 00-0026		WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,126.08	
01 22 23 00-0027		MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,795.33	
			For >6 Months (>26 Weeks), Deduct	*-111.81*	
01 22 23 00-0028		DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	662.40	
			For Half Day Usage, Deduct	*-207.00*	
01 22 23 00-0029		WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,530.88	
01 22 23 00-0030		MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,422.40	
			For >6 Months (>26 Weeks), Deduct	*-136.90*	
01 22 23 00-0031		DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,155.52	
			For Half Day Usage, Deduct	*-361.10*	
01 22 23 00-0032		WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,723.20	
01 22 23 00-0033		MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,622.53	
			For >6 Months (>26 Weeks), Deduct	*-264.90*	
01 22 23 00-0034		DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,244.80	
			For Half Day Usage, Deduct	*-701.50*	
01 22 23 00-0035		WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,299.20	
01 22 23 00-0036		MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	12,953.60	
			For >6 Months (>26 Weeks), Deduct	*-518.14*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038		DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	404.80	
			For Half Day Usage, Deduct	*-126.50*	
01 22 23 00-0039		WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,015.68	
01 22 23 00-0040		MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,443.52	
			For >6 Months (>26 Weeks), Deduct	*-97.74*	
01 22 23 00-0041		DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	404.80	
			For Half Day Usage, Deduct	*-126.50*	
01 22 23 00-0042		WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,015.68	
01 22 23 00-0043		MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,443.52	
			For >6 Months (>26 Weeks), Deduct	*-97.74*	
01 22 23 00-0044		DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	500.48	
			For Half Day Usage, Deduct	*-156.40*	
01 22 23 00-0045		WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,081.92	
01 22 23 00-0046		MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,686.40	
			For >6 Months (>26 Weeks), Deduct	*-107.46*	
01 22 23 00-0047		DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	500.48	
			For Half Day Usage, Deduct	*-156.40*	
01 22 23 00-0048		WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,081.92	
01 22 23 00-0049		MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,686.40	
			For >6 Months (>26 Weeks), Deduct	*-107.46*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052		DAY	17' Electric, Scissor Platform Lift	186.31	
			For Half Day Usage, Deduct	*-58.22*	
01 22 23 00-0053		WK	17' Electric, Scissor Platform Lift	372.61	
01 22 23 00-0054		MO	17' Electric, Scissor Platform Lift	762.16	
			For >6 Months (>26 Weeks), Deduct	*-30.49*	
01 22 23 00-0055		DAY	20' Electric, Scissor Platform Lift	203.24	
			For Half Day Usage, Deduct	*-63.51*	
01 22 23 00-0056		WK	20' Electric, Scissor Platform Lift	406.49	
01 22 23 00-0057		MO	20' Electric, Scissor Platform Lift	812.98	
			For >6 Months (>26 Weeks), Deduct	*-32.52*	
01 22 23 00-0058		DAY	25' Electric, Scissor Platform Lift	262.52	
			For Half Day Usage, Deduct	*-82.04*	
01 22 23 00-0059		WK	25' Electric, Scissor Platform Lift	525.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,126.31	
		For >6 Months (>26 Weeks), Deduct	*-45.05*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	338.74	
		For Half Day Usage, Deduct	*-105.86*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	669.01	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,481.99	
		For >6 Months (>26 Weeks), Deduct	*-59.28*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	364.15	
		For Half Day Usage, Deduct	*-113.80*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	711.35	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,609.02	
		For >6 Months (>26 Weeks), Deduct	*-64.36*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	474.24	
		For Half Day Usage, Deduct	*-148.20*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,177.12	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,277.31	
		For >6 Months (>26 Weeks), Deduct	*-131.09*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	413.42	
		For Four-Wheel Drive, Add	*82.68*	
		For Half Day Usage, Deduct	*-129.19*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	808.46	
		For Four-Wheel Drive, Add	*161.69*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,975.20	
		For Four-Wheel Drive, Add	*395.04*	
		For >6 Months (>26 Weeks), Deduct	*-79.01*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	422.60	
		For Four-Wheel Drive, Add	*84.52*	
		For Half Day Usage, Deduct	*-132.06*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	964.64	
		For Four-Wheel Drive, Add	*192.93*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,113.01	
		For Four-Wheel Drive, Add	*422.60*	
		For >6 Months (>26 Weeks), Deduct	*-84.52*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	468.54	
		For Four-Wheel Drive, Add	*93.71*	
		For Half Day Usage, Deduct	*-146.42*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,074.88	
		For Four-Wheel Drive, Add	*214.98*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,388.62	
		For Four-Wheel Drive, Add	*477.72*	
		For >6 Months (>26 Weeks), Deduct	*-95.54*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	496.10	
		For Four-Wheel Drive, Add	*99.22*	
		For Half Day Usage, Deduct	*-155.03*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,157.56	
		For Four-Wheel Drive, Add	*231.51*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,847.97	
		For Four-Wheel Drive, Add	*569.59*	
		For >6 Months (>26 Weeks), Deduct	*-113.92*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	927.89	
		For Four-Wheel Drive, Add	*185.58*	
		For Half Day Usage, Deduct	*-289.97*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,039.51	
		For Four-Wheel Drive, Add	*407.90*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,016.10	
		For Four-Wheel Drive, Add	*1,003.22*	
		For >6 Months (>26 Weeks), Deduct	*-200.64*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	151.93	
		For Half Day Usage, Deduct	*-47.48*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	430.47	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	869.37	
		For >6 Months (>26 Weeks), Deduct	*-34.77*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	211.01	
		For Half Day Usage, Deduct	*-65.94*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	447.35	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,519.29	
		For >6 Months (>26 Weeks), Deduct	*-60.77*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	354.50	
		For Half Day Usage, Deduct	*-110.78*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	860.93	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,515.27	
		For >6 Months (>26 Weeks), Deduct	*-100.61*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	379.82	
		For Half Day Usage, Deduct	*-118.69*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	945.34	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0098		MO	40', Push-Type, Electric Single Man Personnel Lift	2,844.45	
			For >6 Months (>26 Weeks), Deduct	*-113.78*	
01 22 23 00-0099		DAY	15', Self-Propelled, Electric Single Man Personnel Lift	202.57	
			For Half Day Usage, Deduct	*-63.30*	
01 22 23 00-0100		WK	15', Self-Propelled, Electric Single Man Personnel Lift	405.14	
01 22 23 00-0101		MO	15', Self-Propelled, Electric Single Man Personnel Lift	810.29	
			For >6 Months (>26 Weeks), Deduct	*-32.41*	
01 22 23 00-0102		DAY	20', Self-Propelled, Electric Single Man Personnel Lift	202.57	
			For Half Day Usage, Deduct	*-63.30*	
01 22 23 00-0103		WK	20', Self-Propelled, Electric Single Man Personnel Lift	405.14	
01 22 23 00-0104		MO	20', Self-Propelled, Electric Single Man Personnel Lift	842.36	
			For >6 Months (>26 Weeks), Deduct	*-33.69*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106		DAY	29' To 33' Bucket Truck With Full-Time Operator	1,412.26	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-592.52*	
01 22 23 00-0107		WK	29' To 33' Bucket Truck With Full-Time Operator	5,849.42	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0108		MO	29' To 33' Bucket Truck With Full-Time Operator	22,097.50	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-185.09*	
01 22 23 00-0109		DAY	38' To 41' Bucket Truck With Full-Time Operator	1,489.37	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-616.61*	
01 22 23 00-0110		WK	38' To 41' Bucket Truck With Full-Time Operator	6,097.31	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0111		MO	38' To 41' Bucket Truck With Full-Time Operator	22,758.52	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-211.53*	
01 22 23 00-0112		DAY	45' To 48' Bucket Truck With Full-Time Operator	1,687.68	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-678.59*	
01 22 23 00-0113		WK	45' To 48' Bucket Truck With Full-Time Operator	6,455.36	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0114		MO	45' To 48' Bucket Truck With Full-Time Operator	23,529.71	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-242.37*	
01 22 23 00-0115		DAY	62' Bucket Truck With Full-Time Operator	2,128.36	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-816.30*	
01 22 23 00-0116		WK	62' Bucket Truck With Full-Time Operator	7,887.57	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0117		MO	62' Bucket Truck With Full-Time Operator	27,385.66	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-396.61*	
01 22 23 00-0118		DAY	85' Bucket Truck With Full-Time Operator	2,348.70	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-885.15*	
01 22 23 00-0119		WK	85' Bucket Truck With Full-Time Operator	8,658.76	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0120		MO	85' Bucket Truck With Full-Time Operator	30,139.91	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-506.78*	
01 22 23 00-0121		Day	105' Bucket Truck With Full-Time Operator	2,458.87	
			For Equipment Without Operator, Deduct	*-806.32*	
			For Half Day Usage, Deduct	*-919.58*	
01 22 23 00-0122		WK	105' Bucket Truck With Full-Time Operator	8,989.27	
			For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0123		MO	105' Bucket Truck With Full-Time Operator	30,404.32	
			For Equipment Without Operator, Deduct	*-17,470.36*	
			For >6 Months (>26 Weeks), Deduct	*-517.36*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126		DAY	100 CFM Diesel Powered Portable Air Compressor	189.79	
			For Half Day Usage, Deduct	*-59.31*	
01 22 23 00-0127		WK	100 CFM Diesel Powered Portable Air Compressor	569.36	
01 22 23 00-0128		MO	100 CFM Diesel Powered Portable Air Compressor	1,581.56	
			For >6 Months (>26 Weeks), Deduct	*-63.26*	
01 22 23 00-0129		DAY	130 CFM Diesel Powered Portable Air Compressor	227.74	
			For Half Day Usage, Deduct	*-71.17*	
01 22 23 00-0130		WK	130 CFM Diesel Powered Portable Air Compressor	670.58	
01 22 23 00-0131		MO	130 CFM Diesel Powered Portable Air Compressor	1,897.88	
			For >6 Months (>26 Weeks), Deduct	*-75.92*	
01 22 23 00-0132		DAY	185 CFM Diesel Powered Portable Air Compressor	303.66	
			For Half Day Usage, Deduct	*-94.89*	
01 22 23 00-0133		WK	185 CFM Diesel Powered Portable Air Compressor	683.24	
01 22 23 00-0134		MO	185 CFM Diesel Powered Portable Air Compressor	1,505.65	
			For >6 Months (>26 Weeks), Deduct	*-60.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	430.18	
		For Half Day Usage, Deduct	*-134.43*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	1,088.12	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,593.76	
		For >6 Months (>26 Weeks), Deduct	*-103.75*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	956.53	
		For Half Day Usage, Deduct	*-298.92*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,302.76	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,739.17	
		For >6 Months (>26 Weeks), Deduct	*-229.57*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,151.38	
		For Half Day Usage, Deduct	*-359.81*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,834.16	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,958.88	
		For >6 Months (>26 Weeks), Deduct	*-278.36*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,151.38	
		For Half Day Usage, Deduct	*-359.81*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,834.16	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,958.88	
		For >6 Months (>26 Weeks), Deduct	*-278.36*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,341.16	
		For Half Day Usage, Deduct	*-419.11*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	3,006.23	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	8,016.62	
		For >6 Months (>26 Weeks), Deduct	*-320.66*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,670.13	
		For Half Day Usage, Deduct	*-521.92*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,757.79	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	10,020.78	
		For >6 Months (>26 Weeks), Deduct	*-400.83*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	114.41	
		For Half Day Usage, Deduct	*-35.75*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	469.91	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,419.95	
		For >6 Months (>26 Weeks), Deduct	*-56.80*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	14.19	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	28.69	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	135.55	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.40	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	63.35	
		For Half Day Usage, Deduct	*-19.80*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	263.34	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	728.95	
		For >6 Months (>26 Weeks), Deduct	*-29.16*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	80.15	
		For Half Day Usage, Deduct	*-25.05*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	332.04	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	973.21	
		For >6 Months (>26 Weeks), Deduct	*-38.93*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	103.05	
		For Half Day Usage, Deduct	*-32.20*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	438.90	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,228.91	
		For >6 Months (>26 Weeks), Deduct	*-49.16*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	18.77	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	24.88	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	227.15	

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	4,494.50	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,605.59*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	19,050.32	
		For Equipment Without Operator, Deduct	*-5,361.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator	72,122.62	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,955.58*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,419.83	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-644.75*	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,412.62	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	26,086.55	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-114.14*	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,553.96	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-686.67*	
01 22 23 00-0185	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,410.09	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0186	MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	27,592.51	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-174.37*	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,560.06	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-688.58*	
01 22 23 00-0188	WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	7,013.79	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0189	MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	27,885.16	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-186.08*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,474.70	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-661.90*	
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,477.25	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,458.46	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-129.01*	
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,730.78	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-741.93*	
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,995.50	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,092.46	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-194.37*	
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,791.75	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-760.98*	
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,379.61	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	29,165.53	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-237.30*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	115.84	
		For Half Day Usage, Deduct	*-36.20*	
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	335.34	
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	987.71	
		For >6 Months (>26 Weeks), Deduct	*-39.51*	
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	146.33	
		For Half Day Usage, Deduct	*-45.73*	
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	408.50	
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,737.64	
		For >6 Months (>26 Weeks), Deduct	*-69.51*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,505.19	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-671.43*	
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,739.42	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,318.14	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-163.40*	
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,639.32	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-713.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,105.24	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	28,330.24	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-203.88*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,310.08	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-610.46*	
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,056.56	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,062.25	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-73.16*	
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,401.54	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-639.04*	
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,330.92	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,793.89	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-102.43*	
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,462.51	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-658.09*	
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,513.83	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,281.65	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-121.94*	
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,541.77	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-682.86*	
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,745.52	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,885.25	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-146.08*	
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,700.29	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-732.40*	
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,208.89	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0229	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,110.75	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-195.10*	

01 22 23 00-0230 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA	Placement And Removal Of Steel Roadway Plates	62.40	
01 22 23 00-0232	DAY	1" x 4' x 8' Steel Plate	46.44	
01 22 23 00-0233	WK	1" x 4' x 8' Steel Plate	109.66	
01 22 23 00-0234	MO	1" x 4' x 8' Steel Plate	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0235	DAY	1" x 4' x 10' Steel Plate	61.92	
01 22 23 00-0236	WK	1" x 4' x 10' Steel Plate	139.33	
01 22 23 00-0237	MO	1" x 4' x 10' Steel Plate	170.29	
		For >6 Months (>26 Weeks), Deduct	*-6.81*	
01 22 23 00-0238	DAY	1" x 5' x 10' Steel Plate	64.50	
01 22 23 00-0239	WK	1" x 5' x 10' Steel Plate	145.78	
01 22 23 00-0240	MO	1" x 5' x 10' Steel Plate	387.03	
		For >6 Months (>26 Weeks), Deduct	*-15.48*	
01 22 23 00-0241	DAY	1" x 6' x 8' Steel Plate	41.28	
01 22 23 00-0242	WK	1" x 6' x 8' Steel Plate	92.89	
01 22 23 00-0243	MO	1" x 6' x 8' Steel Plate	247.70	
		For >6 Months (>26 Weeks), Deduct	*-9.91*	
01 22 23 00-0244	DAY	1" x 6' x 10' Steel Plate	77.41	
01 22 23 00-0245	WK	1" x 6' x 10' Steel Plate	101.92	
01 22 23 00-0246	MO	1" x 6' x 10' Steel Plate	272.21	
		For >6 Months (>26 Weeks), Deduct	*-10.89*	
01 22 23 00-0247	DAY	1" x 6' x 12' Steel Plate	108.37	
01 22 23 00-0248	WK	1" x 6' x 12' Steel Plate	138.69	
01 22 23 00-0249	MO	1" x 6' x 12' Steel Plate	375.42	
		For >6 Months (>26 Weeks), Deduct	*-15.02*	
01 22 23 00-0250	DAY	1" x 8' x 10' Steel Plate	68.38	
01 22 23 00-0251	WK	1" x 8' x 10' Steel Plate	153.52	
01 22 23 00-0252	MO	1" x 8' x 10' Steel Plate	408.96	
		For >6 Months (>26 Weeks), Deduct	*-16.36*	
01 22 23 00-0253	DAY	1" x 8' x 12' Steel Plate	123.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	153.52	
01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	743.10	
		For >6 Months (>26 Weeks), Deduct	*-29.72*	
01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	165.13	
01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	371.55	
01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	990.80	
		For >6 Months (>26 Weeks), Deduct	*-39.63*	
01 22 23 00-0259	DAY	1-1/4" x 8' x 10' Steel Plate	82.05	
01 22 23 00-0260	WK	1-1/4" x 8' x 10' Steel Plate	184.23	
01 22 23 00-0261	MO	1-1/4" x 8' x 10' Steel Plate	490.75	
		For >6 Months (>26 Weeks), Deduct	*-19.63*	
01 22 23 00-0262	DAY	1-1/2" x 8' x 15' Steel Plate	189.90	
01 22 23 00-0263	WK	1-1/2" x 8' x 15' Steel Plate	427.28	
01 22 23 00-0264	MO	1-1/2" x 8' x 15' Steel Plate	1,139.42	
		For >6 Months (>26 Weeks), Deduct	*-45.58*	
01 22 23 00-0265	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.70	1.18
01 22 23 00-0266	EA	Removal And Resetting Of Steel Roadway Plate	34.67	

01 22 23 00-0267 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0268	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	1,228.39	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-576.59*	
01 22 23 00-0269	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	5,933.90	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0270	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	25,101.28	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-113.25*	
01 22 23 00-0271	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,847.91	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-1,082.69*	
01 22 23 00-0272	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	12,429.52	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0273	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	48,287.32	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,040.69*	

01 22 23 00-0274 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0275 Skid-Steer Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0276	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,379.01	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-623.66*	
01 22 23 00-0277	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	6,060.50	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0278	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	24,488.74	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-88.75*	
01 22 23 00-0279	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,471.58	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-652.59*	
01 22 23 00-0280	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,228.00	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0281	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,856.07	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-103.44*	
01 22 23 00-0282	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,498.03	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-660.86*	
01 22 23 00-0283	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,468.97	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0284	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,495.21	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-129.00*	
01 22 23 00-0285	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,600.88	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-693.00*	
01 22 23 00-0286	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,806.91	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0287	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,611.88	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-173.67*	
01 22 23 00-0288	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,777.19	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-748.09*	
01 22 23 00-0289	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,475.44	
		For Equipment Without Operator, Deduct	*-5,139.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0290	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	28,257.50	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-239.50*	
01 22 23 00-0291	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	293.86	
		For Half Day Usage, Deduct	*-91.83*	
01 22 23 00-0292	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	977.08	
01 22 23 00-0293	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,600.66	
		For >6 Months (>26 Weeks), Deduct	*-104.03*	
01 22 23 00-0294	DAY	Forklift Attachment For Skid-Steer Loaders	63.18	
		For Half Day Usage, Deduct	*-19.74*	
01 22 23 00-0295	WK	Forklift Attachment For Skid-Steer Loaders	168.97	
01 22 23 00-0296	MO	Forklift Attachment For Skid-Steer Loaders	477.52	
		For >6 Months (>26 Weeks), Deduct	*-19.10*	
01 22 23 00-0297	DAY	Backhoe Attachment For Skid-Steer Loaders	139.58	
		For Half Day Usage, Deduct	*-43.62*	
01 22 23 00-0298	WK	Backhoe Attachment For Skid-Steer Loaders	335.00	
01 22 23 00-0299	MO	Backhoe Attachment For Skid-Steer Loaders	833.09	
		For >6 Months (>26 Weeks), Deduct	*-33.32*	
01 22 23 00-0300	DAY	Broom Attachment For Skid-Steer Loaders	138.11	
		For Half Day Usage, Deduct	*-43.16*	
01 22 23 00-0301	WK	Broom Attachment For Skid-Steer Loaders	374.67	
01 22 23 00-0302	MO	Broom Attachment For Skid-Steer Loaders	991.78	
		For >6 Months (>26 Weeks), Deduct	*-39.67*	
01 22 23 00-0303	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	120.48	
		For Half Day Usage, Deduct	*-37.65*	
01 22 23 00-0304	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	332.06	
01 22 23 00-0305	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	906.56	
		For >6 Months (>26 Weeks), Deduct	*-36.26*	
01 22 23 00-0306	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	33.21	
		For Half Day Usage, Deduct	*-10.38*	
01 22 23 00-0307	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	86.88	
01 22 23 00-0308	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	255.53	
		For >6 Months (>26 Weeks), Deduct	*-10.22*	
01 22 23 00-0309	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	44.71	
		For Half Day Usage, Deduct	*-13.97*	
01 22 23 00-0310	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	111.15	
01 22 23 00-0311	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	332.19	
		For >6 Months (>26 Weeks), Deduct	*-13.29*	
01 22 23 00-0312	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	65.15	
		For Half Day Usage, Deduct	*-20.36*	
01 22 23 00-0313	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	198.05	
01 22 23 00-0314	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	587.72	
		For >6 Months (>26 Weeks), Deduct	*-23.51*	
01 22 23 00-0315	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	13.22	
		For Half Day Usage, Deduct	*-4.13*	
01 22 23 00-0316	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	30.86	
01 22 23 00-0317	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	82.28	
		For >6 Months (>26 Weeks), Deduct	*-3.29*	

01 22 23 00-0318 Bulldozers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0319	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,478.33	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-663.03*	
01 22 23 00-0320	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,962.65	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0321	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,982.97	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-189.99*	
01 22 23 00-0322	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,669.86	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-722.89*	
01 22 23 00-0323	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,736.41	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0324	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	30,357.88	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-284.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0325	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,213.79	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-892.87*	
01 22 23 00-0326	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,912.13	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0327	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,869.73	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-545.46*	
01 22 23 00-0328	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,696.43	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,043.69*	
01 22 23 00-0329	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,850.37	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0330	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,692.09	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-778.36*	
01 22 23 00-0331	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,271.01	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,223.25*	
01 22 23 00-0332	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,148.67	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0333	MO	335 HP, D8 Bulldozer With Full-Time Operator	49,586.99	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,054.15*	
01 22 23 00-0334	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,592.77	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,323.80*	
01 22 23 00-0335	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,428.05	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0336	MO	460 HP, D9 Bulldozer With Full-Time Operator	53,417.49	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,207.37*	

01 22 23 00-0337 Motor Scraper *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0338	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,371.77	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-942.23*	
01 22 23 00-0339	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,559.39	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0340	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	38,809.03	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-623.04*	
01 22 23 00-0341	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,896.90	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,106.34*	
01 22 23 00-0342	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,659.91	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0343	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	45,128.38	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-875.81*	
01 22 23 00-0344	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,404.23	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,264.88*	
01 22 23 00-0345	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,680.32	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0346	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	51,180.72	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,117.90*	

01 22 23 00-0347 Hydraulic Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0348	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,439.42	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-650.88*	
01 22 23 00-0349	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,660.01	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0350	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	27,584.19	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-174.04*	
01 22 23 00-0351	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,542.76	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-683.17*	
01 22 23 00-0352	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	7,115.51	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0353	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	29,406.19	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-246.92*	
01 22 23 00-0354	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,575.39	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-693.37*	
01 22 23 00-0355	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	7,285.48	
		For Equipment Without Operator, Deduct	*-5,361.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0356	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	29,705.32	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-258.89*	
01 22 23 00-0357	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,609.38	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-703.99*	
01 22 23 00-0358	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,441.84	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0359	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	30,004.46	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-270.85*	
01 22 23 00-0360	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,636.58	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-712.49*	
01 22 23 00-0361	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,605.00	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0362	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	30,303.59	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-282.82*	
01 22 23 00-0363	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	2,003.69	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-827.21*	
01 22 23 00-0364	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	9,066.68	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0365	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	34,348.70	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-444.62*	
01 22 23 00-0366	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,058.08	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-844.21*	
01 22 23 00-0367	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,304.63	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0368	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	35,062.54	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-473.18*	
01 22 23 00-0369	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,160.06	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-876.08*	
01 22 23 00-0370	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,712.54	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0371	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	36,286.27	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-522.12*	
01 22 23 00-0372	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,275.63	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-912.19*	
01 22 23 00-0373	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	10,168.04	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0374	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	37,645.97	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-576.51*	
01 22 23 00-0375	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,309.63	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-922.82*	
01 22 23 00-0376	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,304.01	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0377	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	38,053.88	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-592.83*	
01 22 23 00-0378	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,635.96	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,024.79*	
01 22 23 00-0379	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,616.12	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0380	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	41,997.01	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-750.55*	
01 22 23 00-0381	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,105.05	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,171.38*	
01 22 23 00-0382	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,478.91	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0383	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	47,571.78	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-973.55*	
01 22 23 00-0384	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,682.92	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,351.97*	
01 22 23 00-0385	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,790.40	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0386	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	54,506.25	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-1,250.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0387	DAY	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,187.25	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-884.57*	
01 22 23 00-0388	WK	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,807.72	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0389	MO	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	36,558.21	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-533.00*	
01 22 23 00-0390	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	95.18	
		For Half Day Usage, Deduct	*-29.74*	
01 22 23 00-0391	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	367.12	
01 22 23 00-0392	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,087.76	
		For >6 Months (>26 Weeks), Deduct	*-43.51*	
01 22 23 00-0393	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	421.51	
		For Half Day Usage, Deduct	*-131.72*	
01 22 23 00-0394	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,114.95	
01 22 23 00-0395	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,120.51	
		For >6 Months (>26 Weeks), Deduct	*-124.82*	
01 22 23 00-0396	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	652.66	
		For Half Day Usage, Deduct	*-203.96*	
01 22 23 00-0397	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,665.63	
01 22 23 00-0398	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,330.64	
		For >6 Months (>26 Weeks), Deduct	*-173.23*	
01 22 23 00-0399	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	911.00	
		For Half Day Usage, Deduct	*-284.69*	
01 22 23 00-0400	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,454.26	
01 22 23 00-0401	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,880.08	
		For >6 Months (>26 Weeks), Deduct	*-275.20*	
01 22 23 00-0402	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	190.36	
		For Half Day Usage, Deduct	*-59.49*	
01 22 23 00-0403	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	761.43	
01 22 23 00-0404	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,284.30	
		For >6 Months (>26 Weeks), Deduct	*-91.37*	
01 22 23 00-0405	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	271.94	
		For Half Day Usage, Deduct	*-84.98*	
01 22 23 00-0406	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,087.76	
01 22 23 00-0407	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,263.28	
		For >6 Months (>26 Weeks), Deduct	*-130.53*	
01 22 23 00-0408	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	299.13	
		For Half Day Usage, Deduct	*-93.48*	
01 22 23 00-0409	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,182.94	
01 22 23 00-0410	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,535.22	
		For >6 Months (>26 Weeks), Deduct	*-141.41*	

01 22 23 00-0411 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0412	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,449.95	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Track Gradall, Add	*405.32*	
		For Half Day Usage, Deduct	*-1,591.67*	
01 22 23 00-0413	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,300.05	
		For Equipment Without Operator, Deduct	*-5,361.50*	
		For Track Gradall, Add	*952.63*	
01 22 23 00-0414	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	51,566.97	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For Track Gradall, Add	*3,400.06*	
		For >6 Months (>26 Weeks), Deduct	*-1,133.35*	

01 22 23 00-0415 Mini-Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0416	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,357.84	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-625.38*	
01 22 23 00-0417	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,170.52	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0418	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	25,014.36	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-71.25*	
01 22 23 00-0419	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,364.64	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-627.51*	
01 22 23 00-0420	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,190.92	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0421	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,442.66	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-88.38*	
01 22 23 00-0422	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,398.63	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-638.13*	
01 22 23 00-0423	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,286.10	
		For Equipment Without Operator, Deduct	*-5,361.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0424	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,503.85	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-90.83*	
01 22 23 00-0425	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,412.22	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-642.38*	
01 22 23 00-0426	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,333.69	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0427	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,531.04	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-91.92*	
01 22 23 00-0428	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,493.81	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-667.87*	
01 22 23 00-0429	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,401.67	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0430	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	26,319.67	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-123.46*	
01 22 23 00-0431	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,500.61	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-670.00*	
01 22 23 00-0432	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,741.60	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0433	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	26,353.66	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-124.82*	

01 22 23 00-0434 Road Graders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0435	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,407.38	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-953.36*	
01 22 23 00-0436	WK	50 To 60 HP Road Grader With Full-Time Operator	8,832.70	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0437	MO	50 To 60 HP Road Grader With Full-Time Operator	32,578.67	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-373.82*	
01 22 23 00-0438	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,066.01	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,159.18*	
01 22 23 00-0439	WK	80 To 100 HP Road Grader With Full-Time Operator	10,292.38	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0440	MO	80 To 100 HP Road Grader With Full-Time Operator	37,028.93	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-551.83*	
01 22 23 00-0441	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,557.02	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,312.63*	
01 22 23 00-0442	WK	130 To 140 HP Road Grader With Full-Time Operator	11,746.72	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0443	MO	130 To 140 HP Road Grader With Full-Time Operator	42,391.48	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-766.33*	
01 22 23 00-0444	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,303.18	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,545.80*	
01 22 23 00-0445	WK	170 To 185 HP Road Grader With Full-Time Operator	18,285.03	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0446	MO	170 To 185 HP Road Grader With Full-Time Operator	68,465.45	
		For Equipment Without Operator, Deduct	*-23,233.11*	
		For >6 Months (>26 Weeks), Deduct	*-1,809.29*	

01 22 23 00-0447 Loader-Backhoes With Standard Bucket *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0448	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,509.80	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-672.87*	
01 22 23 00-0449	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,400.56	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0450	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	25,678.46	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-97.81*	
01 22 23 00-0451	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,556.68	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-687.52*	
01 22 23 00-0452	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,564.62	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0453	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	26,678.46	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-137.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0454	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,628.94	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-710.10*	
01 22 23 00-0455	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,744.31	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0456	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	27,194.09	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-158.44*	
01 22 23 00-0457	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,951.21	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-810.81*	
01 22 23 00-0458	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,705.25	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0459	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	29,944.09	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-268.44*	

01 22 23 00-0460 Heavy-Duty Construction Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0461	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,529.58	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-679.05*	
01 22 23 00-0462	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,169.50	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0463	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,650.10	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-216.68*	
01 22 23 00-0464	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,909.46	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-797.76*	
01 22 23 00-0465	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,584.56	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0466	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,861.15	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-225.12*	
01 22 23 00-0467	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,993.88	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-824.14*	
01 22 23 00-0468	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,809.68	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0469	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	29,423.95	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-247.63*	
01 22 23 00-0470	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,226.04	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-896.69*	
01 22 23 00-0471	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,421.72	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0472	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	30,971.65	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-309.54*	
01 22 23 00-0473	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,824.02	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-1,083.56*	
01 22 23 00-0474	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,354.29	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0475	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	44,197.45	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-838.57*	
01 22 23 00-0476	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,763.54	
		For Equipment Without Operator, Deduct	*-1,072.30*	
		For Half Day Usage, Deduct	*-2,314.66*	
01 22 23 00-0477	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	23,842.25	
		For Equipment Without Operator, Deduct	*-5,361.50*	
01 22 23 00-0478	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	73,598.19	
		For Equipment Without Operator, Deduct	*-23,233.15*	
		For >6 Months (>26 Weeks), Deduct	*-2,014.60*	

01 22 23 00-0479 Tractors *(01 22 23 00-0274)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0480	DAY	20 To 29 HP Tractor	456.00	
		For Half Day Usage, Deduct	*-142.50*	
01 22 23 00-0481	WK	20 To 29 HP Tractor	1,097.79	
01 22 23 00-0482	MO	20 To 29 HP Tractor	2,964.03	
		For >6 Months (>26 Weeks), Deduct	*-118.56*	
01 22 23 00-0483	DAY	30 To 35 HP Tractor	472.49	
		For Half Day Usage, Deduct	*-147.65*	
01 22 23 00-0484	WK	30 To 35 HP Tractor	1,216.41	
01 22 23 00-0485	MO	30 To 35 HP Tractor	3,367.76	
		For >6 Months (>26 Weeks), Deduct	*-134.71*	
01 22 23 00-0486	DAY	40 To 45 HP Tractor	482.54	
		For Half Day Usage, Deduct	*-150.79*	
01 22 23 00-0487	WK	40 To 45 HP Tractor	1,296.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0488	MO	40 To 45 HP Tractor	3,558.76	
		For >6 Months (>26 Weeks), Deduct	*-142.35*	
01 22 23 00-0489	DAY	80 To 89 HP Tractor	621.28	
		For Half Day Usage, Deduct	*-194.15*	
01 22 23 00-0490	WK	80 To 89 HP Tractor	1,761.89	
01 22 23 00-0491	MO	80 To 89 HP Tractor	5,044.80	
		For >6 Months (>26 Weeks), Deduct	*-201.79*	
01 22 23 00-0492	DAY	60" Rotary Mower Attachment For Tractors	195.03	
		For Half Day Usage, Deduct	*-60.95*	
01 22 23 00-0493	WK	60" Rotary Mower Attachment For Tractors	603.18	
01 22 23 00-0494	DAY	84" Rotary Mower Attachment For Tractors	213.12	
		For Half Day Usage, Deduct	*-66.60*	
01 22 23 00-0495	WK	84" Rotary Mower Attachment For Tractors	653.44	
01 22 23 00-0496	DAY	Under Deck Rotary Mower Attachment For Tractors	42.44	
		For Half Day Usage, Deduct	*-13.26*	
01 22 23 00-0497	WK	Under Deck Rotary Mower Attachment For Tractors	169.77	

01 22 23 00-0498 Shoring *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0499 Aluminum Hydraulic Shoring *(01 22 23 00-0498)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0500	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	157.07	
01 22 23 00-0501	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	463.29	
		For >6 Months (>26 Weeks), Deduct	*-18.53*	
01 22 23 00-0502	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	210.71	
01 22 23 00-0503	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	621.49	
		For >6 Months (>26 Weeks), Deduct	*-24.86*	
01 22 23 00-0504	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	390.70	
01 22 23 00-0505	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	1,152.57	
		For >6 Months (>26 Weeks), Deduct	*-46.10*	
01 22 23 00-0506	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	30.02	
01 22 23 00-0507	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	48.04	
01 22 23 00-0508	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	80.05	

01 22 23 00-0509 Slide Rail Shoring *(01 22 23 00-0498)*

Note: Excludes delivery to job site and pick-up when complete.

01 22 23 00-0510	WK	4' x 12' Slide Rail Panel	235.83	
01 22 23 00-0511	MO	4' x 12' Slide Rail Panel	707.49	
01 22 23 00-0512	WK	8' x 12' Slide Rail Panel	385.34	
01 22 23 00-0513	MO	8' x 12' Slide Rail Panel	1,156.02	
01 22 23 00-0514	WK	4' x 16' Slide Rail Panel	307.53	
01 22 23 00-0515	MO	4' x 16' Slide Rail Panel	922.59	
01 22 23 00-0516	WK	8' x 16' Slide Rail Panel	503.20	
01 22 23 00-0517	MO	8' x 16' Slide Rail Panel	1,509.61	
01 22 23 00-0518	WK	4' x 20' Slide Rail Panel	394.55	
01 22 23 00-0519	MO	4' x 20' Slide Rail Panel	1,183.65	
01 22 23 00-0520	WK	8' x 20' Slide Rail Panel	694.97	
01 22 23 00-0521	MO	8' x 20' Slide Rail Panel	2,084.91	
01 22 23 00-0522	WK	14' Stacking Post	352.49	
01 22 23 00-0523	MO	14' Stacking Post	1,057.48	
01 22 23 00-0524	WK	Stacking Brackets	11.02	
01 22 23 00-0525	MO	Stacking Brackets	33.05	
01 22 23 00-0526	EA	Set Up And Remove 4' x 12' Slide Rail Panel	277.32	
01 22 23 00-0527	EA	Set Up And Remove 8' x 12' Slide Rail Panel	415.98	
01 22 23 00-0528	EA	Set Up And Remove 4' x 16' Slide Rail Panel	415.98	
01 22 23 00-0529	EA	Set Up And Remove 8' x 16' Slide Rail Panel	554.64	
01 22 23 00-0530	EA	Set Up And Remove 4' x 20' Slide Rail Panel	554.64	
01 22 23 00-0531	EA	Set Up And Remove 8' x 20' Slide Rail Panel	693.29	
01 22 23 00-0532	EA	Set Up And Remove 14' Stacking Post	415.98	
01 22 23 00-0533	EA	Set Up And Remove Stacking Brackets	138.66	
01 22 23 00-0534	EA	Stacking Brackets Rigging Tub	2,065.39	

01 22 23 00-0535 Trench Boxes/Trench Shields *(01 22 23 00-0274)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0536	WK	4' x 6' Trench Box With Up To 48" Spreaders	301.03	
01 22 23 00-0537	MO	4' x 6' Trench Box With Up To 48" Spreaders	903.08	
		For >6 Months (>26 Weeks), Deduct	*-36.12*	
01 22 23 00-0538	WK	6' x 6' Trench Box With Up To 48" Spreaders	339.87	
01 22 23 00-0539	MO	6' x 6' Trench Box With Up To 48" Spreaders	1,019.60	
		For >6 Months (>26 Weeks), Deduct	*-40.78*	
01 22 23 00-0540	WK	8' x 6' Trench Box With Up To 48" Spreaders	359.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0541	MO	8' x 6' Trench Box With Up To 48" Spreaders	1,077.87	
		For >6 Months (>26 Weeks), Deduct	*-43.11*	
01 22 23 00-0542	WK	4' x 8' Trench Box With Up To 48" Spreaders	330.16	
01 22 23 00-0543	MO	4' x 8' Trench Box With Up To 48" Spreaders	990.47	
		For >6 Months (>26 Weeks), Deduct	*-39.62*	
01 22 23 00-0544	WK	6' x 8' Trench Box With Up To 48" Spreaders	388.42	
01 22 23 00-0545	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,165.26	
		For >6 Months (>26 Weeks), Deduct	*-46.61*	
01 22 23 00-0546	WK	8' x 8' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0547	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0548	WK	4' x 10' Trench Box With Up To 48" Spreaders	369.00	
01 22 23 00-0549	MO	4' x 10' Trench Box With Up To 48" Spreaders	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0550	WK	6' x 10' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0551	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0552	WK	8' x 10' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0553	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,592.52	
		For >6 Months (>26 Weeks), Deduct	*-63.70*	
01 22 23 00-0554	WK	4' x 12' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0555	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0556	WK	6' x 12' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0557	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0558	WK	8' x 12' Trench Box With Up To 48" Spreaders	679.74	
01 22 23 00-0559	MO	8' x 12' Trench Box With Up To 48" Spreaders	2,039.20	
		For >6 Months (>26 Weeks), Deduct	*-81.57*	
01 22 23 00-0560	WK	4' x 14' Trench Box With Up To 48" Spreaders	485.52	
01 22 23 00-0561	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,456.58	
		For >6 Months (>26 Weeks), Deduct	*-58.26*	
01 22 23 00-0562	WK	6' x 14' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0563	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0564	WK	8' x 14' Trench Box With Up To 48" Spreaders	776.84	
01 22 23 00-0565	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,330.52	
		For >6 Months (>26 Weeks), Deduct	*-93.22*	
01 22 23 00-0566	WK	4' x 16' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0567	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0568	WK	6' x 16' Trench Box With Up To 48" Spreaders	728.29	
01 22 23 00-0569	MO	6' x 16' Trench Box With Up To 48" Spreaders	2,184.86	
		For >6 Months (>26 Weeks), Deduct	*-87.39*	
01 22 23 00-0570	WK	8' x 16' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0571	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0572	WK	4' x 20' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0573	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0574	WK	6' x 20' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0575	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0576	WK	8' x 20' Trench Box With Up To 48" Spreaders	1,019.60	
01 22 23 00-0577	MO	8' x 20' Trench Box With Up To 48" Spreaders	3,058.81	
		For >6 Months (>26 Weeks), Deduct	*-122.35*	
01 22 23 00-0578	WK	4' x 24' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0579	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0580	WK	6' x 24' Trench Box With Up To 48" Spreaders	1,068.16	
01 22 23 00-0581	MO	6' x 24' Trench Box With Up To 48" Spreaders	3,204.46	
		For >6 Months (>26 Weeks), Deduct	*-128.18*	
01 22 23 00-0582	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,165.26	
01 22 23 00-0583	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,495.78	
		For >6 Months (>26 Weeks), Deduct	*-139.83*	
01 22 23 00-0584	WK	For Spreaders >48" To 84", Add	29.13	
01 22 23 00-0585	MO	For Spreaders >48" To 84", Add	87.39	
		For >6 Months (>26 Weeks), Deduct	*-3.50*	
01 22 23 00-0586	WK	For Spreaders >84" To 120", Add	174.79	
01 22 23 00-0587	MO	For Spreaders >84" To 120", Add	524.37	
		For >6 Months (>26 Weeks), Deduct	*-20.97*	
01 22 23 00-0588	WK	For Spreaders >120", Add	369.00	
01 22 23 00-0589	MO	For Spreaders >120", Add	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0590	WK	8' x 4' Manhole Box	458.82	
01 22 23 00-0591	MO	8' x 4' Manhole Box	1,376.46	
		For >6 Months (>26 Weeks), Deduct	*-55.06*	
01 22 23 00-0592	WK	8' x 8' Manhole Box	655.46	
01 22 23 00-0593	MO	8' x 8' Manhole Box	1,966.38	
		For >6 Months (>26 Weeks), Deduct	*-78.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0594		**Trenchers** *(01 22 23 00-0274)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0595	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,349.55	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-614.46*	
01 22 23 00-0596	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,235.03	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0597	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	25,286.00	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-120.64*	
01 22 23 00-0598	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,892.41	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-784.10*	
01 22 23 00-0599	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,064.67	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-0600	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,312.50	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-321.70*	
01 22 23 00-0601		**Portable Sediment Tank** *(01 22 23 00-0274)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0602	WK	Portable Sediment Tank	212.21	
01 22 23 00-0603	MO	Portable Sediment Tank	622.49	
		For >6 Months (>26 Weeks), Deduct	*-24.90*	
01 22 23 00-0604		**Heavy Equipment (Ground Protection) Mats** *(01 22 23 00-0274)* Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0605	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	27.89	
		For Half Day Usage, Deduct	*-8.72*	
01 22 23 00-0606	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	66.41	
01 22 23 00-0607	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	139.46	
		For >6 Months (>26 Weeks), Deduct	*-5.58*	
01 22 23 00-0608	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	29.29	
		For Half Day Usage, Deduct	*-9.15*	
01 22 23 00-0609	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	69.73	
01 22 23 00-0610	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	146.43	
		For >6 Months (>26 Weeks), Deduct	*-5.86*	
01 22 23 00-0611	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.71	
		For Half Day Usage, Deduct	*-7.41*	
01 22 23 00-0612	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	55.78	
01 22 23 00-0613	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	118.54	
		For >6 Months (>26 Weeks), Deduct	*-4.74*	
01 22 23 00-0614	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	26.50	
		For Half Day Usage, Deduct	*-8.28*	
01 22 23 00-0615	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	62.76	
01 22 23 00-0616	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	132.49	
		For >6 Months (>26 Weeks), Deduct	*-5.30*	
01 22 23 00-0617	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	29.29	
		For Half Day Usage, Deduct	*-9.15*	
01 22 23 00-0618	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	69.73	
01 22 23 00-0619	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	146.43	
		For >6 Months (>26 Weeks), Deduct	*-5.86*	
01 22 23 00-0620	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	32.08	
		For Half Day Usage, Deduct	*-10.03*	
01 22 23 00-0621	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	76.37	
01 22 23 00-0622	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	160.38	
		For >6 Months (>26 Weeks), Deduct	*-6.42*	
01 22 23 00-0623	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.10	
		For Half Day Usage, Deduct	*-7.84*	
01 22 23 00-0624	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	69.73	
01 22 23 00-0625	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	125.51	
		For >6 Months (>26 Weeks), Deduct	*-5.02*	
01 22 23 00-0626	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.29	
		For Half Day Usage, Deduct	*-9.15*	
01 22 23 00-0627	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	69.73	
01 22 23 00-0628	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	146.43	
		For >6 Months (>26 Weeks), Deduct	*-5.86*	
01 22 23 00-0629	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	34.86	
		For Half Day Usage, Deduct	*-10.89*	
01 22 23 00-0630	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	76.70	
01 22 23 00-0631	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	174.32	
		For >6 Months (>26 Weeks), Deduct	*-6.97*	
01 22 23 00-0632	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	37.65	
		For Half Day Usage, Deduct	*-11.77*	
01 22 23 00-0633	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	89.65	
01 22 23 00-0634	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	188.27	
		For >6 Months (>26 Weeks), Deduct	*-7.53*	
01 22 23 00-0635	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.44	
		For Half Day Usage, Deduct	*-12.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0636	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	96.29	
01 22 23 00-0637	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	202.22	
		For >6 Months (>26 Weeks), Deduct	*-8.09*	
01 22 23 00-0638	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	41.84	
		For Half Day Usage, Deduct	*-13.08*	
01 22 23 00-0639	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	99.61	
01 22 23 00-0640	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	209.19	
		For >6 Months (>26 Weeks), Deduct	*-8.37*	
01 22 23 00-0641	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.42	
		For Half Day Usage, Deduct	*-4.19*	
01 22 23 00-0642	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	33.54	
01 22 23 00-0643	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.62	
		For >6 Months (>26 Weeks), Deduct	*-4.02*	
01 22 23 00-0644	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.04	
		For Half Day Usage, Deduct	*-5.01*	
01 22 23 00-0645	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.09	
01 22 23 00-0646	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.28	
		For >6 Months (>26 Weeks), Deduct	*-4.81*	
01 22 23 00-0647	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.32	
		For Half Day Usage, Deduct	*-5.73*	
01 22 23 00-0648	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	45.79	
01 22 23 00-0649	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	137.37	
		For >6 Months (>26 Weeks), Deduct	*-5.49*	
01 22 23 00-0650	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.52	
		For Half Day Usage, Deduct	*-6.10*	
01 22 23 00-0651	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.81	
01 22 23 00-0652	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	146.43	
		For >6 Months (>26 Weeks), Deduct	*-5.86*	
01 22 23 00-0653	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.31	
		For Half Day Usage, Deduct	*-6.97*	
01 22 23 00-0654	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	55.78	
01 22 23 00-0655	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	167.35	
		For >6 Months (>26 Weeks), Deduct	*-6.69*	
01 22 23 00-0656	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.64	
		For Half Day Usage, Deduct	*-8.01*	
01 22 23 00-0657	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	64.11	
01 22 23 00-0658	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	192.32	
		For >6 Months (>26 Weeks), Deduct	*-7.69*	
01 22 23 00-0659	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.73	
		For Half Day Usage, Deduct	*-6.17*	
01 22 23 00-0660	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.32	
01 22 23 00-0661	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.97	
		For >6 Months (>26 Weeks), Deduct	*-5.92*	
01 22 23 00-0662	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.71	
		For Half Day Usage, Deduct	*-8.35*	
01 22 23 00-0663	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	66.78	
01 22 23 00-0664	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	200.33	
		For >6 Months (>26 Weeks), Deduct	*-8.01*	
01 22 23 00-0665	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.09	
		For Half Day Usage, Deduct	*-7.22*	
01 22 23 00-0666	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	57.74	
01 22 23 00-0667	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	173.21	
		For >6 Months (>26 Weeks), Deduct	*-6.93*	
01 22 23 00-0668	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.52	
		For Half Day Usage, Deduct	*-12.04*	
01 22 23 00-0669	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	96.29	
01 22 23 00-0670	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	288.88	
		For >6 Months (>26 Weeks), Deduct	*-11.56*	
01 22 23 00-0671	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.06	
		For Half Day Usage, Deduct	*-12.83*	
01 22 23 00-0672	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	102.64	
01 22 23 00-0673	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	307.93	
		For >6 Months (>26 Weeks), Deduct	*-12.32*	

01 22 23 00-0674 Electrical Equipment *(01 22 23)*

01 22 23 00-0675 Tripod Mounted Floodlights *(01 22 23 00-0674)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0676	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	81.30	
		For Half Day Usage, Deduct	*-25.41*	
01 22 23 00-0677	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	192.35	
01 22 23 00-0678	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	406.52	
		For >6 Months (>26 Weeks), Deduct	*-16.26*	
01 22 23 00-0679	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	81.30	
		For Half Day Usage, Deduct	*-25.41*	
01 22 23 00-0680	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	237.96	
01 22 23 00-0681	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	703.96	
		For >6 Months (>26 Weeks), Deduct	*-28.16*	
01 22 23 00-0682	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	91.22	
		For Half Day Usage, Deduct	*-28.51*	
01 22 23 00-0683	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	247.88	
01 22 23 00-0684	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	604.82	
		For >6 Months (>26 Weeks), Deduct	*-24.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0685 Trailer Mounted Floodlights *(01 22 23 00-0674)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0686	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	228.04
		For Half Day Usage, Deduct	*-71.26*
01 22 23 00-0687	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	505.66
01 22 23 00-0688	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	1,090.65
		For >6 Months (>26 Weeks), Deduct	*-43.63*

01 22 23 00-0689 Generator Sets *(01 22 23 00-0674)*

01 22 23 00-0690 Portable, Gas Powered Generator Sets *(01 22 23 00-0689)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.

01 22 23 00-0691	DAY	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	55.05
		For LP Or NG Gas, Add	*6.88*
		For Half Day Usage, Deduct	*-17.20*
01 22 23 00-0692	WK	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	198.43
		For LP Or NG Gas, Add	*24.80*
01 22 23 00-0693	MO	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	550.49
		For LP Or NG Gas, Add	*68.81*
		For >6 Months (>26 Weeks), Deduct	*-22.02*
01 22 23 00-0694	DAY	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	78.09
		For LP Or NG Gas, Add	*9.76*
		For Half Day Usage, Deduct	*-24.40*
01 22 23 00-0695	WK	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	249.64
		For LP Or NG Gas, Add	*31.21*
01 22 23 00-0696	MO	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	569.69
		For LP Or NG Gas, Add	*71.21*
		For >6 Months (>26 Weeks), Deduct	*-22.79*
01 22 23 00-0697	DAY	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	99.86
		For LP Or NG Gas, Add	*12.48*
		For Half Day Usage, Deduct	*-31.21*
01 22 23 00-0698	WK	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	268.84
		For LP Or NG Gas, Add	*33.61*
01 22 23 00-0699	MO	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	742.52
		For LP Or NG Gas, Add	*92.82*
		For >6 Months (>26 Weeks), Deduct	*-29.70*
01 22 23 00-0700	DAY	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	111.38
		For LP Or NG Gas, Add	*13.92*
		For Half Day Usage, Deduct	*-34.81*
01 22 23 00-0701	WK	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	300.85
		For LP Or NG Gas, Add	*37.61*
01 22 23 00-0702	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	864.14
		For LP Or NG Gas, Add	*108.02*
		For >6 Months (>26 Weeks), Deduct	*-34.57*
01 22 23 00-0703	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	203.94
		For LP Or NG Gas, Add	*25.49*
		For Half Day Usage, Deduct	*-63.73*
01 22 23 00-0704	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	579.34
		For LP Or NG Gas, Add	*72.42*
01 22 23 00-0705	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,251.40
		For LP Or NG Gas, Add	*156.43*
		For >6 Months (>26 Weeks), Deduct	*-50.06*

01 22 23 00-0706 Towable, Diesel Powered Generator Sets *(01 22 23 00-0689)*

Note: Includes 24 hour day-tank on sizes up to 180 KW, 40 hour day-tank for sizes greater than 180 KW To 300 KW and 1,000 gallon for sizes greater than 300 KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.

01 22 23 00-0707	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	229.16
		For >8 To 16 Hours Usage Per Day, Add	*91.66*
		For >16 To 24 Hours Usage Per Day, Add	*183.33*
		For Tier 4 Diesel Generator, Add	*83.64*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	599.13	
		For >40 To 80 Hours Usage Per Week, Add	*239.65*	
		For >80 Hours Usage Per Week, Add	*479.30*	
		For Tier 4 Diesel Generator, Add	*218.68*	
01 22 23 00-0709	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,632.26	
		For >160 To 320 Hours Usage Per Month, Add	*652.90*	
		For >320 Hours Usage Per Month, Add	*1,305.81*	
		For >6 Months (>26 Weeks), Deduct	*-65.29*	
		For Tier 4 Diesel Generator, Add	*595.77*	
01 22 23 00-0710	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	374.91	
		For >8 To 16 Hours Usage Per Day, Add	*149.96*	
		For >16 To 24 Hours Usage Per Day, Add	*299.93*	
		For Tier 4 Diesel Generator, Add	*136.84*	
01 22 23 00-0711	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,112.65	
		For >40 To 80 Hours Usage Per Week, Add	*445.06*	
		For >80 Hours Usage Per Week, Add	*890.12*	
		For Tier 4 Diesel Generator, Add	*406.12*	
01 22 23 00-0712	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,297.86	
		For >160 To 320 Hours Usage Per Month, Add	*919.14*	
		For >320 Hours Usage Per Month, Add	*1,838.29*	
		For >6 Months (>26 Weeks), Deduct	*-91.91*	
		For Tier 4 Diesel Generator, Add	*838.72*	
01 22 23 00-0713	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	411.20	
		For >8 To 16 Hours Usage Per Day, Add	*164.48*	
		For >16 To 24 Hours Usage Per Day, Add	*328.96*	
		For Tier 4 Diesel Generator, Add	*150.09*	
01 22 23 00-0714	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,148.93	
		For >40 To 80 Hours Usage Per Week, Add	*459.57*	
		For >80 Hours Usage Per Week, Add	*919.14*	
		For Tier 4 Diesel Generator, Add	*419.36*	
01 22 23 00-0715	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,539.74	
		For >160 To 320 Hours Usage Per Month, Add	*1,015.90*	
		For >320 Hours Usage Per Month, Add	*2,031.79*	
		For >6 Months (>26 Weeks), Deduct	*-101.59*	
		For Tier 4 Diesel Generator, Add	*927.01*	
01 22 23 00-0716	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	441.43	
		For >8 To 16 Hours Usage Per Day, Add	*176.57*	
		For >16 To 24 Hours Usage Per Day, Add	*353.14*	
		For Tier 4 Diesel Generator, Add	*161.12*	
01 22 23 00-0717	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,209.40	
		For >40 To 80 Hours Usage Per Week, Add	*483.76*	
		For >80 Hours Usage Per Week, Add	*967.52*	
		For Tier 4 Diesel Generator, Add	*441.43*	
01 22 23 00-0718	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,902.56	
		For >160 To 320 Hours Usage Per Month, Add	*1,161.02*	
		For >320 Hours Usage Per Month, Add	*2,322.05*	
		For >6 Months (>26 Weeks), Deduct	*-116.10*	
		For Tier 4 Diesel Generator, Add	*1,059.43*	
01 22 23 00-0719	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	483.76	
		For >8 To 16 Hours Usage Per Day, Add	*193.50*	
		For >16 To 24 Hours Usage Per Day, Add	*387.01*	
		For Tier 4 Diesel Generator, Add	*176.57*	
01 22 23 00-0720	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,372.67	
		For >40 To 80 Hours Usage Per Week, Add	*549.07*	
		For >80 Hours Usage Per Week, Add	*1,098.14*	
		For Tier 4 Diesel Generator, Add	*501.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0721	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,265.38	
		For >160 To 320 Hours Usage Per Month, Add	*1,306.15*	
		For >320 Hours Usage Per Month, Add	*2,612.30*	
		For >6 Months (>26 Weeks), Deduct	*-130.62*	
		For Tier 4 Diesel Generator, Add	*1,191.86*	
01 22 23 00-0722	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	544.23	
		For >8 To 16 Hours Usage Per Day, Add	*217.69*	
		For >16 To 24 Hours Usage Per Day, Add	*435.38*	
		For Tier 4 Diesel Generator, Add	*198.64*	
01 22 23 00-0723	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,451.28	
		For >40 To 80 Hours Usage Per Week, Add	*580.51*	
		For >80 Hours Usage Per Week, Add	*1,161.02*	
		For Tier 4 Diesel Generator, Add	*529.72*	
01 22 23 00-0724	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,628.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,451.28*	
		For >320 Hours Usage Per Month, Add	*2,902.56*	
		For >6 Months (>26 Weeks), Deduct	*-145.13*	
		For Tier 4 Diesel Generator, Add	*1,324.29*	
01 22 23 00-0725	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	562.37	
		For >8 To 16 Hours Usage Per Day, Add	*224.95*	
		For >16 To 24 Hours Usage Per Day, Add	*449.90*	
		For Tier 4 Diesel Generator, Add	*177.15*	
01 22 23 00-0726	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,511.75	
		For >40 To 80 Hours Usage Per Week, Add	*604.70*	
		For >80 Hours Usage Per Week, Add	*1,209.40*	
		For Tier 4 Diesel Generator, Add	*476.20*	
01 22 23 00-0727	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,111.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,644.78*	
		For >320 Hours Usage Per Month, Add	*3,289.57*	
		For >6 Months (>26 Weeks), Deduct	*-164.48*	
		For Tier 4 Diesel Generator, Add	*1,295.27*	
01 22 23 00-0728	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	634.94	
		For >8 To 16 Hours Usage Per Day, Add	*253.98*	
		For >16 To 24 Hours Usage Per Day, Add	*507.95*	
		For Tier 4 Diesel Generator, Add	*200.01*	
01 22 23 00-0729	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,753.63	
		For >40 To 80 Hours Usage Per Week, Add	*701.45*	
		For >80 Hours Usage Per Week, Add	*1,402.90*	
		For Tier 4 Diesel Generator, Add	*552.39*	
01 22 23 00-0730	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,716.66	
		For >160 To 320 Hours Usage Per Month, Add	*1,886.66*	
		For >320 Hours Usage Per Month, Add	*3,773.33*	
		For >6 Months (>26 Weeks), Deduct	*-188.67*	
		For Tier 4 Diesel Generator, Add	*1,485.75*	
01 22 23 00-0731	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	665.17	
		For >8 To 16 Hours Usage Per Day, Add	*266.07*	
		For >16 To 24 Hours Usage Per Day, Add	*532.14*	
		For Tier 4 Diesel Generator, Add	*209.53*	
01 22 23 00-0732	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,844.34	
		For >40 To 80 Hours Usage Per Week, Add	*737.74*	
		For >80 Hours Usage Per Week, Add	*1,475.47*	
		For Tier 4 Diesel Generator, Add	*580.97*	
01 22 23 00-0733	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,200.42	
		For >160 To 320 Hours Usage Per Month, Add	*2,080.17*	
		For >320 Hours Usage Per Month, Add	*4,160.34*	
		For >6 Months (>26 Weeks), Deduct	*-208.02*	
		For Tier 4 Diesel Generator, Add	*1,638.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0734	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	695.40	
		For >8 To 16 Hours Usage Per Day, Add	*278.16*	
		For >16 To 24 Hours Usage Per Day, Add	*556.32*	
		For Tier 4 Diesel Generator, Add	*219.05*	
01 22 23 00-0735	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	1,995.51	
		For >40 To 80 Hours Usage Per Week, Add	*798.20*	
		For >80 Hours Usage Per Week, Add	*1,596.41*	
		For Tier 4 Diesel Generator, Add	*628.59*	
01 22 23 00-0736	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,442.30	
		For >160 To 320 Hours Usage Per Month, Add	*2,176.92*	
		For >320 Hours Usage Per Month, Add	*4,353.84*	
		For >6 Months (>26 Weeks), Deduct	*-217.69*	
		For Tier 4 Diesel Generator, Add	*1,714.32*	
01 22 23 00-0737	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	725.64	
		For >8 To 16 Hours Usage Per Day, Add	*290.26*	
		For >16 To 24 Hours Usage Per Day, Add	*580.51*	
		For Tier 4 Diesel Generator, Add	*228.58*	
01 22 23 00-0738	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,116.45	
		For >40 To 80 Hours Usage Per Week, Add	*846.58*	
		For >80 Hours Usage Per Week, Add	*1,693.16*	
		For Tier 4 Diesel Generator, Add	*666.68*	
01 22 23 00-0739	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,684.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,273.67*	
		For >320 Hours Usage Per Month, Add	*4,547.34*	
		For >6 Months (>26 Weeks), Deduct	*-227.37*	
		For Tier 4 Diesel Generator, Add	*1,790.52*	
01 22 23 00-0740	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	725.64	
		For >8 To 16 Hours Usage Per Day, Add	*290.26*	
		For >16 To 24 Hours Usage Per Day, Add	*580.51*	
		For Tier 4 Diesel Generator, Add	*228.58*	
01 22 23 00-0741	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,116.45	
		For >40 To 80 Hours Usage Per Week, Add	*846.58*	
		For >80 Hours Usage Per Week, Add	*1,693.16*	
		For Tier 4 Diesel Generator, Add	*666.68*	
01 22 23 00-0742	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,684.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,273.67*	
		For >320 Hours Usage Per Month, Add	*4,547.34*	
		For >6 Months (>26 Weeks), Deduct	*-227.37*	
		For Tier 4 Diesel Generator, Add	*1,790.52*	
01 22 23 00-0743	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	997.76	
		For >8 To 16 Hours Usage Per Day, Add	*399.10*	
		For >16 To 24 Hours Usage Per Day, Add	*798.21*	
		For Tier 4 Diesel Generator, Add	*314.29*	
01 22 23 00-0744	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,479.27	
		For >40 To 80 Hours Usage Per Week, Add	*991.71*	
		For >80 Hours Usage Per Week, Add	*1,983.42*	
		For Tier 4 Diesel Generator, Add	*780.97*	
01 22 23 00-0745	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,256.40	
		For >160 To 320 Hours Usage Per Month, Add	*2,902.56*	
		For >320 Hours Usage Per Month, Add	*5,805.12*	
		For >6 Months (>26 Weeks), Deduct	*-290.26*	
		For Tier 4 Diesel Generator, Add	*2,285.77*	
01 22 23 00-0746	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,058.22	
		For >8 To 16 Hours Usage Per Day, Add	*423.29*	
		For >16 To 24 Hours Usage Per Day, Add	*846.58*	
		For Tier 4 Diesel Generator, Add	*285.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0747	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,539.74	
		For >40 To 80 Hours Usage Per Week, Add	*1,015.90*	
		For >80 Hours Usage Per Week, Add	*2,031.79*	
		For Tier 4 Diesel Generator, Add	*685.73*	
01 22 23 00-0748	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,498.28	
		For >160 To 320 Hours Usage Per Month, Add	*2,999.31*	
		For >320 Hours Usage Per Month, Add	*5,998.62*	
		For >6 Months (>26 Weeks), Deduct	*-299.93*	
		For Tier 4 Diesel Generator, Add	*2,024.54*	
01 22 23 00-0749	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,118.70	
		For >8 To 16 Hours Usage Per Day, Add	*447.48*	
		For >16 To 24 Hours Usage Per Day, Add	*894.96*	
		For Tier 4 Diesel Generator, Add	*302.05*	
01 22 23 00-0750	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,600.21	
		For >40 To 80 Hours Usage Per Week, Add	*1,040.08*	
		For >80 Hours Usage Per Week, Add	*2,080.17*	
		For Tier 4 Diesel Generator, Add	*702.06*	
01 22 23 00-0751	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,740.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,096.06*	
		For >320 Hours Usage Per Month, Add	*6,192.13*	
		For >6 Months (>26 Weeks), Deduct	*-309.61*	
		For Tier 4 Diesel Generator, Add	*2,089.84*	
01 22 23 00-0752	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,154.98	
		For >8 To 16 Hours Usage Per Day, Add	*461.99*	
		For >16 To 24 Hours Usage Per Day, Add	*923.98*	
		For Tier 4 Diesel Generator, Add	*311.84*	
01 22 23 00-0753	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,781.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,112.65*	
		For >80 Hours Usage Per Week, Add	*2,225.30*	
		For Tier 4 Diesel Generator, Add	*751.04*	
01 22 23 00-0754	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,223.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,289.57*	
		For >320 Hours Usage Per Month, Add	*6,579.14*	
		For >6 Months (>26 Weeks), Deduct	*-328.96*	
		For Tier 4 Diesel Generator, Add	*2,220.46*	
01 22 23 00-0755	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,209.40	
		For >8 To 16 Hours Usage Per Day, Add	*483.76*	
		For >16 To 24 Hours Usage Per Day, Add	*967.52*	
		For Tier 4 Diesel Generator, Add	*326.54*	
01 22 23 00-0756	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,144.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,257.78*	
		For >80 Hours Usage Per Week, Add	*2,515.55*	
		For Tier 4 Diesel Generator, Add	*849.00*	
01 22 23 00-0757	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,070.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,628.20*	
		For >320 Hours Usage Per Month, Add	*7,256.40*	
		For >6 Months (>26 Weeks), Deduct	*-362.82*	
		For Tier 4 Diesel Generator, Add	*2,449.04*	
01 22 23 00-0758	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,185.21	
		For >8 To 16 Hours Usage Per Day, Add	*874.08*	
		For >16 To 24 Hours Usage Per Day, Add	*1,748.17*	
		For Tier 4 Diesel Generator, Add	*590.01*	
01 22 23 00-0759	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,649.79	
		For >40 To 80 Hours Usage Per Week, Add	*2,259.92*	
		For >80 Hours Usage Per Week, Add	*4,519.83*	
		For Tier 4 Diesel Generator, Add	*1,525.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0760	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,941.60	
		For >160 To 320 Hours Usage Per Month, Add	*5,976.64*	
		For >320 Hours Usage Per Month, Add	*11,953.28*	
		For >6 Months (>26 Weeks), Deduct	*-597.66*	
		For Tier 4 Diesel Generator, Add	*4,034.23*	
01 22 23 00-0761	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,801.55	
		For >8 To 16 Hours Usage Per Day, Add	*1,120.62*	
		For >16 To 24 Hours Usage Per Day, Add	*2,241.24*	
		For Tier 4 Diesel Generator, Add	*756.42*	
01 22 23 00-0762	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,284.03	
		For >40 To 80 Hours Usage Per Week, Add	*2,913.61*	
		For >80 Hours Usage Per Week, Add	*5,827.22*	
		For Tier 4 Diesel Generator, Add	*1,966.69*	
01 22 23 00-0763	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,809.30	
		For >160 To 320 Hours Usage Per Month, Add	*6,723.72*	
		For >320 Hours Usage Per Month, Add	*13,447.44*	
		For >6 Months (>26 Weeks), Deduct	*-672.37*	
		For Tier 4 Diesel Generator, Add	*4,538.51*	
01 22 23 00-0764	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,464.58	
		For >8 To 16 Hours Usage Per Day, Add	*1,385.83*	
		For >16 To 24 Hours Usage Per Day, Add	*2,771.66*	
		For Tier 4 Diesel Generator, Add	*848.82*	
01 22 23 00-0765	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	9,151.73	
		For >40 To 80 Hours Usage Per Week, Add	*3,660.69*	
		For >80 Hours Usage Per Week, Add	*7,321.38*	
		For Tier 4 Diesel Generator, Add	*2,242.17*	
01 22 23 00-0766	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	22,412.40	
		For >160 To 320 Hours Usage Per Month, Add	*8,964.96*	
		For >320 Hours Usage Per Month, Add	*17,929.92*	
		For >6 Months (>26 Weeks), Deduct	*-896.50*	
		For Tier 4 Diesel Generator, Add	*5,491.04*	
01 22 23 00-0767	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,744.74	
		For >8 To 16 Hours Usage Per Day, Add	*1,497.90*	
		For >16 To 24 Hours Usage Per Day, Add	*2,995.79*	
		For Tier 4 Diesel Generator, Add	*917.46*	
01 22 23 00-0768	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,628.77	
		For >40 To 80 Hours Usage Per Week, Add	*3,451.51*	
		For >80 Hours Usage Per Week, Add	*6,903.02*	
		For Tier 4 Diesel Generator, Add	*2,114.05*	
01 22 23 00-0769	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	25,886.32	
		For >160 To 320 Hours Usage Per Month, Add	*10,354.53*	
		For >320 Hours Usage Per Month, Add	*20,709.06*	
		For >6 Months (>26 Weeks), Deduct	*-1,035.45*	
		For Tier 4 Diesel Generator, Add	*6,342.15*	
01 22 23 00-0770	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,249.02	
		For >8 To 16 Hours Usage Per Day, Add	*1,699.61*	
		For >16 To 24 Hours Usage Per Day, Add	*3,399.22*	
		For Tier 4 Diesel Generator, Add	*1,041.01*	
01 22 23 00-0771	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	11,103.48	
		For >40 To 80 Hours Usage Per Week, Add	*4,441.39*	
		For >80 Hours Usage Per Week, Add	*8,882.78*	
		For Tier 4 Diesel Generator, Add	*2,720.35*	
01 22 23 00-0772	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	30,415.49	
		For >160 To 320 Hours Usage Per Month, Add	*12,166.20*	
		For >320 Hours Usage Per Month, Add	*24,332.39*	
		For >6 Months (>26 Weeks), Deduct	*-1,216.62*	
		For Tier 4 Diesel Generator, Add	*7,451.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0773	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	5,603.10	
		For >8 To 16 Hours Usage Per Day, Add	*2,241.24*	
		For >16 To 24 Hours Usage Per Day, Add	*4,482.48*	
		For Tier 4 Diesel Generator, Add	*1,036.57*	
01 22 23 00-0774	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	16,809.30	
		For >40 To 80 Hours Usage Per Week, Add	*6,723.72*	
		For >80 Hours Usage Per Week, Add	*13,447.44*	
		For Tier 4 Diesel Generator, Add	*3,109.72*	
01 22 23 00-0775	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	48,196.00	
		For >160 To 320 Hours Usage Per Month, Add	*19,278.40*	
		For >320 Hours Usage Per Month, Add	*38,556.80*	
		For Tier 4 Diesel Generator, Add	*8,916.26*	
01 22 23 00-0776	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,386.75	
		For >8 To 16 Hours Usage Per Day, Add	*2,954.70*	
		For >16 To 24 Hours Usage Per Day, Add	*5,909.40*	
		For Tier 4 Diesel Generator, Add	*1,366.55*	
01 22 23 00-0777	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	18,471.55	
		For >40 To 80 Hours Usage Per Week, Add	*7,388.62*	
		For >80 Hours Usage Per Week, Add	*14,777.24*	
		For Tier 4 Diesel Generator, Add	*3,417.24*	
01 22 23 00-0778	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	50,427.90	
		For >160 To 320 Hours Usage Per Month, Add	*20,171.16*	
		For >320 Hours Usage Per Month, Add	*40,342.32*	
		For >6 Months (>26 Weeks), Deduct	*-2,017.12*	
		For Tier 4 Diesel Generator, Add	*9,329.16*	
01 22 23 00-0779	EA	Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	959.07	
01 22 23 00-0780	EA	Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,305.57	
01 22 23 00-0781	EA	Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,700.45	
01 22 23 00-0782	EA	Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,159.73	
01 22 23 00-0783	EA	Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,989.70	

01 22 23 00-0784 Generator Accessories *(01 22 23 00-0689)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0785 Step Down Transformer *(01 22 23 00-0784)*

01 22 23 00-0786	WK	75 KVA, 480-208 Volt, Step Down Transformer	356.77	
01 22 23 00-0787	MO	75 KVA, 480-208 Volt, Step Down Transformer	997.76	
		For >6 Months (>26 Weeks), Deduct	*-39.91*	
01 22 23 00-0788	WK	150 KVA, 480-208 Volt, Step Down Transformer	572.05	
01 22 23 00-0789	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,714.93	
		For >6 Months (>26 Weeks), Deduct	*-68.60*	
01 22 23 00-0790	WK	225 KVA, 480-208 Volt, Step Down Transformer	761.92	
01 22 23 00-0791	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,285.77	
		For >6 Months (>26 Weeks), Deduct	*-91.43*	
01 22 23 00-0792	WK	500 KVA, 480-208 Volt, Step Down Transformer	907.05	
01 22 23 00-0793	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,721.15	
		For >6 Months (>26 Weeks), Deduct	*-108.85*	
01 22 23 00-0794	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,354.53	
01 22 23 00-0795	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,045.44	
		For >6 Months (>26 Weeks), Deduct	*-161.82*	
01 22 23 00-0796	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,201.11	
01 22 23 00-0797	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,597.28	
		For >6 Months (>26 Weeks), Deduct	*-263.89*	
01 22 23 00-0798	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,539.74	
01 22 23 00-0799	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,619.22	
		For >6 Months (>26 Weeks), Deduct	*-304.77*	

01 22 23 00-0800 Portable Panel *(01 22 23 00-0784)*

01 22 23 00-0801	WK	100 Amperes, Portable Panel	284.21	
01 22 23 00-0802	MO	100 Amperes, Portable Panel	725.64	
		For >6 Months (>26 Weeks), Deduct	*-29.03*	
01 22 23 00-0803	WK	200 Amperes, Portable Panel	339.84	
01 22 23 00-0804	MO	200 Amperes, Portable Panel	907.05	
		For >6 Months (>26 Weeks), Deduct	*-36.28*	
01 22 23 00-0805	WK	400 Amperes, Portable Panel	362.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0806	MO	400 Amperes, Portable Panel	1,088.46	
		For >6 Months (>26 Weeks), Deduct	*-43.54*	

01 22 23 00-0807 Portable Fusible Disconnect *(01 22 23 00-0784)*

01 22 23 00-0808	WK	100 - 200 Amperes, Portable Fusible Disconnect	126.99	
01 22 23 00-0809	MO	100 - 200 Amperes, Portable Fusible Disconnect	380.96	
		For >6 Months (>26 Weeks), Deduct	*-15.24*	
01 22 23 00-0810	WK	300 - 400 Amperes, Portable Fusible Disconnect	253.97	
01 22 23 00-0811	MO	300 - 400 Amperes, Portable Fusible Disconnect	761.92	
		For >6 Months (>26 Weeks), Deduct	*-30.48*	

01 22 23 00-0812 Portable Transfer Switch *(01 22 23 00-0784)*

01 22 23 00-0813	WK	100 Amperes, 480 Volt, Portable Transfer Switch	380.96	
01 22 23 00-0814	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,142.88	
		For >6 Months (>26 Weeks), Deduct	*-45.72*	
01 22 23 00-0815	WK	200 Amperes, 480 Volt, Portable Transfer Switch	507.95	
01 22 23 00-0816	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,523.84	
		For >6 Months (>26 Weeks), Deduct	*-60.95*	
01 22 23 00-0817	WK	400 Amperes, 480 Volt, Portable Transfer Switch	634.94	
01 22 23 00-0818	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,904.80	
		For >6 Months (>26 Weeks), Deduct	*-76.19*	

01 22 23 00-0819 Cabling For Generator Sets *(01 22 23 00-0689)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0820	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	26.61	
		For Half Day Usage, Deduct	*-8.32*	
01 22 23 00-0821	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	46.56	
01 22 23 00-0822	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	139.69	
		For >6 Months (>26 Weeks), Deduct	*-5.59*	
01 22 23 00-0823	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.30	
		For Half Day Usage, Deduct	*-4.16*	
01 22 23 00-0824	WK	50', 4/0 Cable With Camlock Ends For Generator Set	38.70	
01 22 23 00-0825	MO	50', 4/0 Cable With Camlock Ends For Generator Set	107.64	
		For >6 Months (>26 Weeks), Deduct	*-4.31*	

01 22 23 00-0826 Resistive Loadbanks For Generator Sets *(01 22 23 00-0689)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.

01 22 23 00-0827	DAY	100 KW A/C Resistive Load Bank	250.00	
01 22 23 00-0828	WK	100 KW A/C Resistive Load Bank	570.00	
01 22 23 00-0829	MO	100 KW A/C Resistive Load Bank	1,710.00	
		For >6 Months (>26 Weeks), Deduct	*-68.40*	
01 22 23 00-0830	DAY	250 KW A/C Resistive Load Bank	313.00	
01 22 23 00-0831	WK	250 KW A/C Resistive Load Bank	690.00	
01 22 23 00-0832	MO	250 KW A/C Resistive Load Bank	2,068.00	
01 22 23 00-0833	DAY	400 KW A/C Resistive Load Bank	390.00	
01 22 23 00-0834	WK	400 KW A/C Resistive Load Bank	835.00	
01 22 23 00-0835	MO	400 KW A/C Resistive Load Bank	2,505.00	
01 22 23 00-0836	DAY	500 KW A/C Resistive Load Bank	457.00	
01 22 23 00-0837	WK	500 KW A/C Resistive Load Bank	1,250.00	
01 22 23 00-0838	MO	500 KW A/C Resistive Load Bank	3,750.00	
01 22 23 00-0839	DAY	650 KW A/C Resistive Load Bank	517.00	
01 22 23 00-0840	WK	650 KW A/C Resistive Load Bank	1,565.00	
01 22 23 00-0841	MO	650 KW A/C Resistive Load Bank	4,695.00	
		For >6 Months (>26 Weeks), Deduct	*-187.80*	
01 22 23 00-0842	DAY	750 KW A/C Resistive Load Bank	549.00	
01 22 23 00-0843	WK	750 KW A/C Resistive Load Bank	1,733.00	
01 22 23 00-0844	MO	750 KW A/C Resistive Load Bank	5,199.00	
		For >6 Months (>26 Weeks), Deduct	*-207.96*	
01 22 23 00-0845	DAY	1,000 KW A/C Resistive Load Bank	597.00	
01 22 23 00-0846	WK	1,000 KW A/C Resistive Load Bank	1,985.00	
01 22 23 00-0847	MO	1,000 KW A/C Resistive Load Bank	5,955.00	
01 22 23 00-0848	DAY	1,250 KW A/C Resistive Load Bank	657.00	
01 22 23 00-0849	WK	1,250 KW A/C Resistive Load Bank	2,300.00	
01 22 23 00-0850	MO	1,250 KW A/C Resistive Load Bank	6,900.00	
01 22 23 00-0851	DAY	1,500 KW A/C Resistive Load Bank	1,191.00	
01 22 23 00-0852	WK	1,500 KW A/C Resistive Load Bank	4,096.00	
01 22 23 00-0853	MO	1,500 KW A/C Resistive Load Bank	13,337.00	
01 22 23 00-0854	DAY	2,000 KW A/C Resistive Load Bank	1,445.00	
01 22 23 00-0855	WK	2,000 KW A/C Resistive Load Bank	5,000.00	
01 22 23 00-0856	MO	2,000 KW A/C Resistive Load Bank	16,500.00	
01 22 23 00-0857	DAY	2,500 KW A/C Resistive Load Bank	1,964.00	
01 22 23 00-0858	WK	2,500 KW A/C Resistive Load Bank	6,875.00	
01 22 23 00-0859	MO	2,500 KW A/C Resistive Load Bank	20,625.00	
01 22 23 00-0860	DAY	3,000 KW A/C Resistive Load Bank	2,310.00	
01 22 23 00-0861	WK	3,000 KW A/C Resistive Load Bank	7,500.00	
01 22 23 00-0862	MO	3,000 KW A/C Resistive Load Bank	22,500.00	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0863		Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0689)*			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0864	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)		65.31	
		For Half Day Usage, Deduct		*-20.41*	
01 22 23 00-0865	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)		169.32	
01 22 23 00-0866	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)		477.71	
		For >6 Months (>26 Weeks), Deduct		*-19.11*	
01 22 23 00-0867		Portable Distribution Panels For Generator Sets *(01 22 23 00-0689)*			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0868	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel		145.13	
		For Half Day Usage, Deduct		*-45.35*	
01 22 23 00-0869	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel		393.06	
01 22 23 00-0870	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel		1,100.55	
		For >6 Months (>26 Weeks), Deduct		*-44.02*	
01 22 23 00-0871	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		118.52	
		For Half Day Usage, Deduct		*-37.04*	
01 22 23 00-0872	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		308.40	
01 22 23 00-0873	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		876.82	
		For >6 Months (>26 Weeks), Deduct		*-35.07*	
01 22 23 00-0874	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		151.18	
		For Half Day Usage, Deduct		*-47.24*	
01 22 23 00-0875	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		380.96	
01 22 23 00-0876	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel		1,034.04	
		For >6 Months (>26 Weeks), Deduct		*-41.36*	
01 22 23 00-0877		Fuel Reimbursement For Generators *(01 22 23 00-0689)*			
01 22 23 00-0878	EA	Fuel Reimbursement For Generators		1.00	
		Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.			
01 22 23 00-0879		Portable Fume Extractors *(01 22 23 00-0674)*			
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0880	DAY	Portable Fume Extractor		28.27	
		For Half Day Usage, Deduct		*-8.83*	
01 22 23 00-0881	WK	Portable Fume Extractor		84.82	
01 22 23 00-0882		Portable Floor Drying Fans *(01 22 23 00-0674)*			
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0883	DAY	2,250 CFM Portable Floor Drying Fan		22.20	
		For Half Day Usage, Deduct		*-6.94*	
01 22 23 00-0884	WK	2,250 CFM Portable Floor Drying Fan		102.69	
01 22 23 00-0885	MO	2,250 CFM Portable Floor Drying Fan		339.99	
		For >6 Months (>26 Weeks), Deduct		*-13.60*	
01 22 23 00-0886		Portable Dehumidifiers *(01 22 23 00-0674)*			
		Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.			
01 22 23 00-0887	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier		186.97	
		For Half Day Usage, Deduct		*-58.43*	
01 22 23 00-0888	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier		600.98	
01 22 23 00-0889	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier		1,829.64	
		For >6 Months (>26 Weeks), Deduct		*-73.19*	
01 22 23 00-0890	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier		333.88	
		For Half Day Usage, Deduct		*-104.34*	
01 22 23 00-0891	WK	16 To 25 Gallons Per Day, Portable Dehumidifier		1,001.62	
01 22 23 00-0892	MO	16 To 25 Gallons Per Day, Portable Dehumidifier		2,337.12	
		For >6 Months (>26 Weeks), Deduct		*-93.48*	
01 22 23 00-0893		Welding Machines *(01 22 23 00-0674)*			
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0894		CC/CV Inverter Welder *(01 22 23 00-0893)*			
		Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.			
01 22 23 00-0895	DAY	250 Amperes, CC Inverter Welder		44.92	
		For Half Day Usage, Deduct		*-14.04*	
01 22 23 00-0896	WK	250 Amperes, CC Inverter Welder		97.86	
01 22 23 00-0897	MO	250 Amperes, CC Inverter Welder		296.80	
		For >6 Months (>26 Weeks), Deduct		*-11.87*	
01 22 23 00-0898	DAY	300 Amperes, CC/CV Inverter Welder		51.34	
		For Half Day Usage, Deduct		*-16.04*	
01 22 23 00-0899	WK	300 Amperes, CC/CV Inverter Welder		136.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0900	MO	300 Amperes, CC/CV Inverter Welder	360.97	
		For >6 Months (>26 Weeks), Deduct	*-14.44*	
01 22 23 00-0901	DAY	350 Amperes, CC/CV Inverter Welder	52.94	
		For Half Day Usage, Deduct	*-16.54*	
01 22 23 00-0902	WK	350 Amperes, CC/CV Inverter Welder	139.57	
01 22 23 00-0903	MO	350 Amperes, CC/CV Inverter Welder	393.05	
		For >6 Months (>26 Weeks), Deduct	*-15.72*	

01 22 23 00-0904 MIG Welder *(01 22 23 00-0893)*

Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.

01 22 23 00-0905	DAY	115 Volt MIG Welder	77.01	
		For Half Day Usage, Deduct	*-24.07*	
01 22 23 00-0906	WK	115 Volt MIG Welder	200.54	
01 22 23 00-0907	MO	115 Volt MIG Welder	545.46	
		For >6 Months (>26 Weeks), Deduct	*-21.82*	

01 22 23 00-0908 Diesel Powered Towable Welding Machines *(01 22 23 00-0893)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0909	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	144.39	
		For Half Day Usage, Deduct	*-45.12*	
01 22 23 00-0910	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	352.95	
01 22 23 00-0911	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	842.26	
		For >6 Months (>26 Weeks), Deduct	*-33.69*	
01 22 23 00-0912	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	192.52	
		For Half Day Usage, Deduct	*-60.16*	
01 22 23 00-0913	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	377.01	
01 22 23 00-0914	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	880.76	
		For >6 Months (>26 Weeks), Deduct	*-35.23*	
01 22 23 00-0915	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	200.54	
		For Half Day Usage, Deduct	*-62.67*	
01 22 23 00-0916	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	401.08	
01 22 23 00-0917	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	978.62	
		For >6 Months (>26 Weeks), Deduct	*-39.14*	

01 22 23 00-0918 General Equipment *(01 22 23)*

01 22 23 00-0919 Jacks And Bracing *(01 22 23 00-0918)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0920 Manual Hydraulic Jacks *(01 22 23 00-0919)*

01 22 23 00-0921	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0922	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0923	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0924	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0925	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0926	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	
01 22 23 00-0927	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0928	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0929	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0930	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0931	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0932	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	

01 22 23 00-0933 Manual Screw Jacks *(01 22 23 00-0919)*

01 22 23 00-0934	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0935	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0936	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	

01 22 23 00-0937 Shores/Braces *(01 22 23 00-0919)*

01 22 23 00-0938	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0939	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0940	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0941	MO	Up To 10' Height, Adjustable Wood Shoring	6.37	
01 22 23 00-0942	MO	>10' To 16' Height, Adjustable Wood Shoring	8.49	
01 22 23 00-0943	EA	Erect And Strip Shores To 10'	12.01	
		For >20 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-6.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0944	EA	Erect And Strip Shores To 13'	14.41	
		For >20 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-5.04*	
		For >100, Deduct	*-7.93*	
01 22 23 00-0945	EA	Erect And Strip Shores To 16'	16.81	
		For >20 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.88*	
		For >100, Deduct	*-9.25*	

01 22 23 00-0946 Pressure Washers *(01 22 23 00-0918)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0947	DAY	2,000 PSI Pressure Washer With Full-Time Operator	871.19	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.18*	
01 22 23 00-0948	WK	2,000 PSI Pressure Washer With Full-Time Operator	4,087.99	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0949	MO	2,000 PSI Pressure Washer With Full-Time Operator	17,220.55	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.13*	
01 22 23 00-0950	DAY	2,500 PSI Pressure Washer With Full-Time Operator	871.19	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.18*	
01 22 23 00-0951	WK	2,500 PSI Pressure Washer With Full-Time Operator	4,087.99	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0952	MO	2,500 PSI Pressure Washer With Full-Time Operator	17,220.55	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.13*	
01 22 23 00-0953	DAY	3,000 PSI Pressure Washer With Full-Time Operator	871.19	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.18*	
01 22 23 00-0954	WK	3,000 PSI Pressure Washer With Full-Time Operator	4,087.99	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0955	MO	3,000 PSI Pressure Washer With Full-Time Operator	17,220.55	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.13*	
01 22 23 00-0956	DAY	3,500 PSI Pressure Washer With Full-Time Operator	879.56	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-417.80*	
01 22 23 00-0957	WK	3,500 PSI Pressure Washer With Full-Time Operator	4,113.11	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0958	MO	3,500 PSI Pressure Washer With Full-Time Operator	17,287.54	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-30.81*	
01 22 23 00-0959	DAY	4,000 PSI Pressure Washer With Full-Time Operator	913.05	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-428.27*	
01 22 23 00-0960	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,221.96	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0961	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,664.35	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-45.89*	
01 22 23 00-0962	DAY	5,000 PSI Pressure Washer With Full-Time Operator	929.80	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-433.50*	
01 22 23 00-0963	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,263.83	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0964	MO	5,000 PSI Pressure Washer With Full-Time Operator	17,789.95	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-50.91*	

01 22 23 00-0965 Confined Space Entry Equipment *(01 22 23 00-0918)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0966	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	43.98	
		For Half Day Usage, Deduct	*-13.74*	
01 22 23 00-0967	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	131.95	
01 22 23 00-0968	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	393.75	
		For >6 Months (>26 Weeks), Deduct	*-15.75*	
01 22 23 00-0969	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	67.81	
		For Half Day Usage, Deduct	*-21.19*	
01 22 23 00-0970	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	203.44	
01 22 23 00-0971	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	610.31	
		For >6 Months (>26 Weeks), Deduct	*-24.41*	
01 22 23 00-0972	DAY	Confined Space Air Monitor Personnel Note: Per person day.	762.33	
		For Half Day Usage, Deduct	*-381.17*	

01 22 23 00-0973 Direct Fired Space Heaters *(01 22 23 00-0918)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0974	DAY	150,000 BTU/Hour Space Heater	66.77	
		For Half Day Usage, Deduct	*-20.87*	
01 22 23 00-0975	WK	150,000 BTU/Hour Space Heater	191.96	
01 22 23 00-0976	MO	150,000 BTU/Hour Space Heater	542.49	
		For >6 Months (>26 Weeks), Deduct	*-21.70*	
01 22 23 00-0977	DAY	500,000 BTU/Hour Space Heater	141.88	
		For Half Day Usage, Deduct	*-44.34*	
01 22 23 00-0978	WK	500,000 BTU/Hour Space Heater	350.53	
01 22 23 00-0979	MO	500,000 BTU/Hour Space Heater	886.35	
		For >6 Months (>26 Weeks), Deduct	*-35.45*	

01 22 23 00-0980 Mowers *(01 22 23 00-0918)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0981	DAY	21" Walk Behind Lawn Mower	99.20	
		For Half Day Usage, Deduct	*-31.00*	
01 22 23 00-0982	WK	21" Walk Behind Lawn Mower	285.19	
01 22 23 00-0983	MO	21" Walk Behind Lawn Mower	582.78	
		For >6 Months (>26 Weeks), Deduct	*-23.31*	
01 22 23 00-0984	DAY	32" Walk Behind Lawn Mower	124.00	
		For Half Day Usage, Deduct	*-38.75*	
01 22 23 00-0985	WK	32" Walk Behind Lawn Mower	297.59	
01 22 23 00-0986	MO	32" Walk Behind Lawn Mower	619.98	
		For >6 Months (>26 Weeks), Deduct	*-24.80*	
01 22 23 00-0987	DAY	36" To 48" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0988	WK	36" To 48" Walk Behind Deck Mower	619.98	
01 22 23 00-0989	MO	36" To 48" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	
01 22 23 00-0990	DAY	61" To 72" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0991	WK	61" To 72" Walk Behind Deck Mower	619.98	
01 22 23 00-0992	MO	61" To 72" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	

01 22 23 00-0993 Trailer Mounted Brush Chipper *(01 22 23 00-0918)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0994	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	192.25	
		For Half Day Usage, Deduct	*-60.08*	
01 22 23 00-0995	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	459.72	
01 22 23 00-0996	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,412.59	
		For >6 Months (>26 Weeks), Deduct	*-56.50*	
01 22 23 00-0997	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	250.76	
		For Half Day Usage, Deduct	*-78.36*	
01 22 23 00-0998	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	565.03	
01 22 23 00-0999	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,504.53	
		For >6 Months (>26 Weeks), Deduct	*-60.18*	
01 22 23 00-1000	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	468.08	
		For Half Day Usage, Deduct	*-146.28*	
01 22 23 00-1001	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,053.17	
01 22 23 00-1002	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	2,808.46	
		For >6 Months (>26 Weeks), Deduct	*-112.34*	
01 22 23 00-1003	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	506.52	
		For Half Day Usage, Deduct	*-158.29*	
01 22 23 00-1004	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,139.67	
01 22 23 00-1005	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	3,039.12	
		For >6 Months (>26 Weeks), Deduct	*-121.56*	

01 22 23 00-1006 Material Handling Equipment *(01 22 23)*

01 22 23 00-1007 Truck Mounted Hydraulic Cranes *(01 22 23 00-1006)*

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-1008	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,598.51	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-704.99*	
01 22 23 00-1009	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,001.80	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1010	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,325.20	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-183.36*	
01 22 23 00-1011	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,731.59	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-746.58*	
01 22 23 00-1012	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,397.35	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1013	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,508.16	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-230.68*	
01 22 23 00-1014	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,864.67	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-788.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1015	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,792.91	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1016	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,691.12	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-278.00*	
01 22 23 00-1017	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,042.12	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-843.62*	
01 22 23 00-1018	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,325.24	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1019	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	32,280.72	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-341.58*	
01 22 23 00-1020	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,204.77	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-894.44*	
01 22 23 00-1021	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,426.87	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1022	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	35,582.66	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-473.66*	
01 22 23 00-1023	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,589.24	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,014.59*	
01 22 23 00-1024	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,802.06	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1025	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,711.19	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-638.80*	
01 22 23 00-1026	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,833.22	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,090.83*	
01 22 23 00-1027	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,659.71	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1028	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,290.04	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-741.95*	
01 22 23 00-1029	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,025.45	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,150.91*	
01 22 23 00-1030	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,354.70	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1031	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,372.05	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-825.23*	
01 22 23 00-1032	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,217.68	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,210.98*	
01 22 23 00-1033	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,049.68	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1034	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,454.06	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-908.51*	
01 22 23 00-1035	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,343.37	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,250.26*	
01 22 23 00-1036	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,478.51	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1037	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	47,755.32	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-960.56*	
01 22 23 00-1038	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,513.42	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,303.40*	
01 22 23 00-1039	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,114.35	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1040	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	49,648.05	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,036.27*	
01 22 23 00-1041	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,060.54	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,474.37*	
01 22 23 00-1042	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,855.52	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1043	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	54,871.56	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,245.21*	
01 22 23 00-1044	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,437.61	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,592.21*	
01 22 23 00-1045	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	17,175.26	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1046	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	58,830.78	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,403.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1047	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,117.81	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,804.77*	
01 22 23 00-1048	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,555.96	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1049	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	65,972.90	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,689.27*	
01 22 23 00-1050	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,591.00	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,952.64*	
01 22 23 00-1051	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	21,212.11	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1052	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	70,941.33	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,888.00*	

01 22 23 00-1053 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-1006)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-1054	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,870.19	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1055	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,807.58	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1056	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	42,727.74	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-759.46*	
01 22 23 00-1057	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,237.99	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1058	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	14,084.77	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1059	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	49,559.33	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,032.72*	
01 22 23 00-1060	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,459.79	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1061	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,703.95	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1062	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	54,415.38	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,226.97*	
01 22 23 00-1063	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,903.40	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1064	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	17,323.13	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1065	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	59,265.52	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,420.97*	
01 22 23 00-1066	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,114.12	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1067	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,942.30	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1068	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	64,127.48	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,615.45*	
01 22 23 00-1069	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,324.83	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1070	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	20,561.48	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1071	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	68,989.45	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-1,809.93*	
01 22 23 00-1072	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	6,019.82	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1073	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	23,053.09	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1074	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	76,453.93	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-2,108.51*	
01 22 23 00-1075	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	10,293.26	
		For Equipment Without Operator, Deduct	*-1,095.75*	
01 22 23 00-1076	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	38,283.70	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1077	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	122,163.50	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-3,936.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1078		**Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts** *(01 22 23 00-1006)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1079	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,614.00	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-697.10*	
01 22 23 00-1080	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,573.77	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-1081	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,355.10	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-123.40*	
01 22 23 00-1082	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,675.70	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-716.38*	
01 22 23 00-1083	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,712.60	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-1084	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,663.60	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-135.74*	
01 22 23 00-1085	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,660.27	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-711.56*	
01 22 23 00-1086	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,782.01	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-1087	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,126.35	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-154.25*	
01 22 23 00-1088	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,837.66	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Half Day Usage, Deduct	*-766.99*	
01 22 23 00-1089	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,244.76	
		For Equipment Without Operator, Deduct	*-5,139.25*	
01 22 23 00-1090	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	27,206.10	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For >6 Months (>26 Weeks), Deduct	*-197.44*	
01 22 23 00-1091		**Straight Mast, Rough Terrain Construction Forklifts** *(01 22 23 00-1006)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1092	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,408.85	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*76.20*	
		For Half Day Usage, Deduct	*-632.99*	
01 22 23 00-1093	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,179.67	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*208.08*	
01 22 23 00-1094	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,651.33	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*476.25*	
		For >6 Months (>26 Weeks), Deduct	*-95.25*	
01 22 23 00-1095	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,428.90	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*80.21*	
		For Half Day Usage, Deduct	*-639.25*	
01 22 23 00-1096	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,234.43	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*219.04*	
01 22 23 00-1097	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,776.66	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*501.31*	
		For >6 Months (>26 Weeks), Deduct	*-100.26*	
01 22 23 00-1098	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,536.87	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*101.80*	
		For Half Day Usage, Deduct	*-672.99*	
01 22 23 00-1099	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,535.21	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*279.19*	
01 22 23 00-1100	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,470.79	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*640.14*	
		For >6 Months (>26 Weeks), Deduct	*-128.03*	
01 22 23 00-1101	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,596.34	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*113.70*	
		For Half Day Usage, Deduct	*-691.58*	
01 22 23 00-1102	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,509.45	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*274.04*	
01 22 23 00-1103	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,681.03	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*682.19*	
		For >6 Months (>26 Weeks), Deduct	*-136.44*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1104		**Straight Mast, Industrial Warehouse Forklifts** *(01 22 23 00-1006)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1105	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,351.77	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*64.78*	
		For Half Day Usage, Deduct	*-615.15*	
01 22 23 00-1106	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,879.65	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*148.08*	
01 22 23 00-1107	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,043.98	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*354.78*	
		For >6 Months (>26 Weeks), Deduct	*-70.96*	
01 22 23 00-1108	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,359.49	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*66.33*	
		For Half Day Usage, Deduct	*-617.56*	
01 22 23 00-1109	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,902.79	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*152.71*	
01 22 23 00-1110	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,097.96	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*365.57*	
		For >6 Months (>26 Weeks), Deduct	*-73.11*	
01 22 23 00-1111	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,521.45	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*98.72*	
		For Half Day Usage, Deduct	*-668.18*	
01 22 23 00-1112	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,257.56	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*223.66*	
01 22 23 00-1113	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,969.48	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*539.88*	
		For >6 Months (>26 Weeks), Deduct	*-107.98*	
01 22 23 00-1114	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,536.87	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*101.80*	
		For Half Day Usage, Deduct	*-672.99*	
01 22 23 00-1115	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,388.67	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*249.88*	
01 22 23 00-1116	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,432.22	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*632.42*	
		For >6 Months (>26 Weeks), Deduct	*-126.48*	
01 22 23 00-1117	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,675.70	
		For Equipment Without Operator, Deduct	*-1,027.85*	
		For Propane Instead Of Gas Or Diesel, Add	*129.57*	
		For Half Day Usage, Deduct	*-716.38*	
01 22 23 00-1118	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,612.34	
		For Equipment Without Operator, Deduct	*-5,139.25*	
		For Propane Instead Of Gas Or Diesel, Add	*294.62*	
01 22 23 00-1119	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,817.85	
		For Equipment Without Operator, Deduct	*-22,270.10*	
		For Propane Instead Of Gas Or Diesel, Add	*709.55*	
		For >6 Months (>26 Weeks), Deduct	*-141.91*	
01 22 23 00-1120		**Chain Hoists** *(01 22 23 00-1006)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1121	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-1122	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1123	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-1124	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-1125	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1126	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-1127	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-1128	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1129	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-1130	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-1131	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1132	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-1133	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-1134	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1135	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-1136	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-1137	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1138	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-1139 Roof Swing Hoist *(01 22 23 00-1006)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1140	DAY	Up To 400 Lb., Manual Swing Roof Hoist	106.00	
		For Half Day Usage, Deduct	*-33.13*	
01 22 23 00-1141	WK	Up To 400 Lb., Manual Swing Roof Hoist	371.02	
01 22 23 00-1142	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,272.06	
		For >6 Months (>26 Weeks), Deduct	*-50.88*	

01 22 23 00-1143 Truck Mounted Digger Derrick *(01 22 23 00-1006)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1144	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,795.74	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-766.62*	
01 22 23 00-1145	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	7,578.70	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1146	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	29,341.12	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-224.00*	
01 22 23 00-1147	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,939.61	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-811.58*	
01 22 23 00-1148	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	8,010.33	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1149	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	30,492.13	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-270.04*	
01 22 23 00-1150	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	2,828.68	
		For Equipment Without Operator, Deduct	*-1,095.75*	
		For Half Day Usage, Deduct	*-1,089.42*	
01 22 23 00-1151	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	10,677.54	
		For Equipment Without Operator, Deduct	*-5,478.74*	
01 22 23 00-1152	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	37,604.71	
		For Equipment Without Operator, Deduct	*-23,741.23*	
		For >6 Months (>26 Weeks), Deduct	*-554.54*	

01 22 23 00-1153 Pumping Equipment *(01 22 23)*

01 22 23 00-1154 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1178 for larger diameter pumps.

01 22 23 00-1155	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	80.88	
		For >8 To 16 Hours Usage Per Day, Add	*32.35*	
		For >16 To 24 Hours Usage Per Day, Add	*64.70*	
01 22 23 00-1156	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	181.97	
		For >40 To 80 Hours Usage Per Week, Add	*72.79*	
		For >80 Hours Usage Per Week, Add	*145.58*	
01 22 23 00-1157	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	485.26	
		For >160 To 320 Hours Usage Per Month, Add	*194.10*	
		For >320 Hours Usage Per Month, Add	*388.21*	
		For >6 Months (>26 Weeks), Deduct	*-19.41*	
01 22 23 00-1158	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	97.05	
		For >8 To 16 Hours Usage Per Day, Add	*38.82*	
		For >16 To 24 Hours Usage Per Day, Add	*77.64*	
01 22 23 00-1159	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	218.37	
		For >40 To 80 Hours Usage Per Week, Add	*87.35*	
		For >80 Hours Usage Per Week, Add	*174.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1160		MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	582.31	
			For >160 To 320 Hours Usage Per Month, Add	*232.92*	
			For >320 Hours Usage Per Month, Add	*465.85*	
			For >6 Months (>26 Weeks), Deduct	*-23.29*	

01 22 23 00-1161 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1162		DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	93.01	
			For >8 To 16 Hours Usage Per Day, Add	*37.20*	
			For >16 To 24 Hours Usage Per Day, Add	*74.41*	
01 22 23 00-1163		WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	262.85	
			For >40 To 80 Hours Usage Per Week, Add	*105.14*	
			For >80 Hours Usage Per Week, Add	*210.28*	
01 22 23 00-1164		MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	667.23	
			For >160 To 320 Hours Usage Per Month, Add	*266.89*	
			For >320 Hours Usage Per Month, Add	*533.78*	
			For >6 Months (>26 Weeks), Deduct	*-26.69*	
01 22 23 00-1165		DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	113.23	
			For >8 To 16 Hours Usage Per Day, Add	*45.29*	
			For >16 To 24 Hours Usage Per Day, Add	*90.58*	
01 22 23 00-1166		WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	303.28	
			For >40 To 80 Hours Usage Per Week, Add	*121.31*	
			For >80 Hours Usage Per Week, Add	*242.62*	
01 22 23 00-1167		MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	859.31	
			For >160 To 320 Hours Usage Per Month, Add	*343.72*	
			For >320 Hours Usage Per Month, Add	*687.45*	
			For >6 Months (>26 Weeks), Deduct	*-34.37*	

01 22 23 00-1168 Gas Powered Portable Trash Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1169		DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	117.27	
			For >8 To 16 Hours Usage Per Day, Add	*46.91*	
			For >16 To 24 Hours Usage Per Day, Add	*93.82*	
01 22 23 00-1170		WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	242.63	
			For >40 To 80 Hours Usage Per Week, Add	*97.05*	
			For >80 Hours Usage Per Week, Add	*194.10*	
01 22 23 00-1171		MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	727.88	
			For >160 To 320 Hours Usage Per Month, Add	*291.15*	
			For >320 Hours Usage Per Month, Add	*582.30*	
			For >6 Months (>26 Weeks), Deduct	*-29.12*	
01 22 23 00-1172		DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	117.27	
			For >8 To 16 Hours Usage Per Day, Add	*46.91*	
			For >16 To 24 Hours Usage Per Day, Add	*93.82*	
01 22 23 00-1173		WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	313.39	
			For >40 To 80 Hours Usage Per Week, Add	*125.36*	
			For >80 Hours Usage Per Week, Add	*250.71*	
01 22 23 00-1174		MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	859.31	
			For >160 To 320 Hours Usage Per Month, Add	*343.72*	
			For >320 Hours Usage Per Month, Add	*687.45*	
			For >6 Months (>26 Weeks), Deduct	*-34.37*	
01 22 23 00-1175		DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	186.01	
			For >8 To 16 Hours Usage Per Day, Add	*74.40*	
			For >16 To 24 Hours Usage Per Day, Add	*148.81*	
01 22 23 00-1176		WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	525.69	
			For >40 To 80 Hours Usage Per Week, Add	*210.28*	
			For >80 Hours Usage Per Week, Add	*420.55*	
01 22 23 00-1177		MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,526.53	
			For >160 To 320 Hours Usage Per Month, Add	*610.61*	
			For >320 Hours Usage Per Month, Add	*1,221.22*	
			For >6 Months (>26 Weeks), Deduct	*-61.06*	

01 22 23 00-1178 Diesel Powered Portable Trash Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1179		DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	363.94	
			For >8 To 16 Hours Usage Per Day, Add	*145.58*	
			For >16 To 24 Hours Usage Per Day, Add	*291.15*	
01 22 23 00-1180		WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	990.73	
			For >40 To 80 Hours Usage Per Week, Add	*396.29*	
			For >80 Hours Usage Per Week, Add	*792.58*	
01 22 23 00-1181		MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,316.76	
			For >160 To 320 Hours Usage Per Month, Add	*1,726.70*	
			For >320 Hours Usage Per Month, Add	*3,453.41*	
			For >6 Months (>26 Weeks), Deduct	*-172.67*	
01 22 23 00-1182		DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	556.02	
			For >8 To 16 Hours Usage Per Day, Add	*222.41*	
			For >16 To 24 Hours Usage Per Day, Add	*444.82*	
01 22 23 00-1183		WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,455.77	
			For >40 To 80 Hours Usage Per Week, Add	*582.31*	
			For >80 Hours Usage Per Week, Add	*1,164.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1184	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,871.94	
		For >160 To 320 Hours Usage Per Month, Add	*1,548.78*	
		For >320 Hours Usage Per Month, Add	*3,097.55*	
		For >6 Months (>26 Weeks), Deduct	*-154.88*	
01 22 23 00-1185	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	756.19	
		For >8 To 16 Hours Usage Per Day, Add	*302.48*	
		For >16 To 24 Hours Usage Per Day, Add	*604.95*	
01 22 23 00-1186	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,023.92	
		For >40 To 80 Hours Usage Per Week, Add	*809.57*	
		For >80 Hours Usage Per Week, Add	*1,619.14*	
01 22 23 00-1187	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,414.65	
		For >160 To 320 Hours Usage Per Month, Add	*2,165.86*	
		For >320 Hours Usage Per Month, Add	*4,331.72*	
		For >6 Months (>26 Weeks), Deduct	*-216.59*	
01 22 23 00-1188	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	978.60	
		For >8 To 16 Hours Usage Per Day, Add	*391.44*	
		For >16 To 24 Hours Usage Per Day, Add	*782.88*	
01 22 23 00-1189	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,499.07	
		For >40 To 80 Hours Usage Per Week, Add	*999.63*	
		For >80 Hours Usage Per Week, Add	*1,999.26*	
01 22 23 00-1190	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,339.50	
		For >160 To 320 Hours Usage Per Month, Add	*2,935.80*	
		For >320 Hours Usage Per Month, Add	*5,871.60*	
		For >6 Months (>26 Weeks), Deduct	*-293.58*	

01 22 23 00-1191 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1192	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	519.63	
		For >8 To 16 Hours Usage Per Day, Add	*207.85*	
		For >16 To 24 Hours Usage Per Day, Add	*415.70*	
01 22 23 00-1193	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,182.81	
		For >40 To 80 Hours Usage Per Week, Add	*473.12*	
		For >80 Hours Usage Per Week, Add	*946.25*	
01 22 23 00-1194	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,687.95	
		For >160 To 320 Hours Usage Per Month, Add	*1,475.18*	
		For >320 Hours Usage Per Month, Add	*2,950.36*	
		For >6 Months (>26 Weeks), Deduct	*-147.52*	
01 22 23 00-1195	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	636.90	
		For >8 To 16 Hours Usage Per Day, Add	*254.76*	
		For >16 To 24 Hours Usage Per Day, Add	*509.52*	
01 22 23 00-1196	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,587.19	
		For >40 To 80 Hours Usage Per Week, Add	*634.88*	
		For >80 Hours Usage Per Week, Add	*1,269.75*	
01 22 23 00-1197	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,316.76	
		For >160 To 320 Hours Usage Per Month, Add	*1,726.70*	
		For >320 Hours Usage Per Month, Add	*3,453.41*	
		For >6 Months (>26 Weeks), Deduct	*-172.67*	
01 22 23 00-1198	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	768.32	
		For >8 To 16 Hours Usage Per Day, Add	*307.33*	
		For >16 To 24 Hours Usage Per Day, Add	*614.66*	
01 22 23 00-1199	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,272.62	
		For >40 To 80 Hours Usage Per Week, Add	*909.05*	
		For >80 Hours Usage Per Week, Add	*1,818.10*	
01 22 23 00-1200	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,338.66	
		For >160 To 320 Hours Usage Per Month, Add	*2,535.46*	
		For >320 Hours Usage Per Month, Add	*5,070.93*	
		For >6 Months (>26 Weeks), Deduct	*-253.55*	
01 22 23 00-1201	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,156.53	
		For >8 To 16 Hours Usage Per Day, Add	*462.61*	
		For >16 To 24 Hours Usage Per Day, Add	*925.22*	
01 22 23 00-1202	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,954.00	
		For >40 To 80 Hours Usage Per Week, Add	*1,181.60*	
		For >80 Hours Usage Per Week, Add	*2,363.20*	
01 22 23 00-1203	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,673.95	
		For >160 To 320 Hours Usage Per Month, Add	*3,469.58*	
		For >320 Hours Usage Per Month, Add	*6,939.16*	
		For >6 Months (>26 Weeks), Deduct	*-346.96*	

01 22 23 00-1204 3 Phase Electric Submersible Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1205	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	202.19	
01 22 23 00-1206	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	505.48	
01 22 23 00-1207	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,516.42	
		For >6 Months (>26 Weeks), Deduct	*-60.66*	
01 22 23 00-1208	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	266.89	
01 22 23 00-1209	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	667.23	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1210		MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,001.68	
			For >6 Months (>26 Weeks), Deduct	*-80.07*	

01 22 23 00-1211 Suction Hose With Couplings *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1212		DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	4.67	
			For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1213		WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	11.67	
01 22 23 00-1214		MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	35.79	
			For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1215		DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	12.45	
			For Half Day Usage, Deduct	*-3.89*	
01 22 23 00-1216		WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	31.90	
01 22 23 00-1217		MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	97.25	
			For >6 Months (>26 Weeks), Deduct	*-3.89*	
01 22 23 00-1218		DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	18.67	
			For Half Day Usage, Deduct	*-5.83*	
01 22 23 00-1219		WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	47.46	
01 22 23 00-1220		MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	143.93	
			For >6 Months (>26 Weeks), Deduct	*-5.76*	
01 22 23 00-1221		DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	23.34	
			For Half Day Usage, Deduct	*-7.29*	
01 22 23 00-1222		WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	58.35	
01 22 23 00-1223		MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	171.16	
			For >6 Months (>26 Weeks), Deduct	*-6.85*	
01 22 23 00-1224		DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	54.46	
			For Half Day Usage, Deduct	*-17.02*	
01 22 23 00-1225		WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	140.04	
01 22 23 00-1226		MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	412.34	
			For >6 Months (>26 Weeks), Deduct	*-16.49*	
01 22 23 00-1227		DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	73.13	
			For Half Day Usage, Deduct	*-22.85*	
01 22 23 00-1228		WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	159.49	
01 22 23 00-1229		MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	478.47	
			For >6 Months (>26 Weeks), Deduct	*-19.14*	

01 22 23 00-1230 Discharge Hose With Couplings *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1231		DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	4.67	
			For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1232		WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.67	
01 22 23 00-1233		MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	35.79	
			For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1234		DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.45	
			For Half Day Usage, Deduct	*-1.70*	
01 22 23 00-1235		WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	13.23	
01 22 23 00-1236		MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	41.23	
			For >6 Months (>26 Weeks), Deduct	*-1.65*	
01 22 23 00-1237		DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.22	
			For Half Day Usage, Deduct	*-1.94*	
01 22 23 00-1238		WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.56	
01 22 23 00-1239		MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	47.46	
			For >6 Months (>26 Weeks), Deduct	*-1.90*	
01 22 23 00-1240		DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.34	
			For Half Day Usage, Deduct	*-5.11*	
01 22 23 00-1241		WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.01	
01 22 23 00-1242		MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	120.59	
			For >6 Months (>26 Weeks), Deduct	*-4.82*	
01 22 23 00-1243		DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.23	
			For Half Day Usage, Deduct	*-6.32*	
01 22 23 00-1244		WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	55.24	
01 22 23 00-1245		MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	151.71	
			For >6 Months (>26 Weeks), Deduct	*-6.07*	
01 22 23 00-1246		DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	15.56	
			For Half Day Usage, Deduct	*-4.86*	
01 22 23 00-1247		WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	38.90	
01 22 23 00-1248		MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	116.70	
			For >6 Months (>26 Weeks), Deduct	*-4.67*	
01 22 23 00-1249		DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	39.68	
			For Half Day Usage, Deduct	*-12.40*	
01 22 23 00-1250		WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	101.14	
01 22 23 00-1251		MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	299.53	
			For >6 Months (>26 Weeks), Deduct	*-11.98*	

01 22 23 00-1252 Hydraulic Submersible Pumps *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1253 Hydraulic Submersible Pumps *(01 22 23 00-1252)*

Note: Includes delivery, set-up, and removal. Excludes operator.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1254	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	133.45	
		For >8 To 16 Hours Usage Per Day, Add	*53.38*	
		For >16 To 24 Hours Usage Per Day, Add	*106.76*	
01 22 23 00-1255	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	357.88	
		For >40 To 80 Hours Usage Per Week, Add	*143.15*	
		For >80 Hours Usage Per Week, Add	*286.30*	
01 22 23 00-1256	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,000.84	
		For >160 To 320 Hours Usage Per Month, Add	*400.34*	
		For >320 Hours Usage Per Month, Add	*800.67*	
		For >6 Months (>26 Weeks), Deduct	*-40.03*	
01 22 23 00-1257	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	169.84	
		For >8 To 16 Hours Usage Per Day, Add	*67.94*	
		For >16 To 24 Hours Usage Per Day, Add	*135.87*	
01 22 23 00-1258	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	436.73	
		For >40 To 80 Hours Usage Per Week, Add	*174.69*	
		For >80 Hours Usage Per Week, Add	*349.38*	
01 22 23 00-1259	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,334.45	
		For >160 To 320 Hours Usage Per Month, Add	*533.78*	
		For >320 Hours Usage Per Month, Add	*1,067.56*	
		For >6 Months (>26 Weeks), Deduct	*-53.38*	

01 22 23 00-1260 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1252)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1261	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	308.34	
		For >8 To 16 Hours Usage Per Day, Add	*123.34*	
		For >16 To 24 Hours Usage Per Day, Add	*246.67*	
01 22 23 00-1262	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	919.96	
		For >40 To 80 Hours Usage Per Week, Add	*367.98*	
		For >80 Hours Usage Per Week, Add	*735.97*	
01 22 23 00-1263	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,426.28	
		For >160 To 320 Hours Usage Per Month, Add	*970.51*	
		For >320 Hours Usage Per Month, Add	*1,941.02*	
		For >6 Months (>26 Weeks), Deduct	*-97.05*	

01 22 23 00-1264 HDPE Pipe With Couplings *(01 22 23 00-1153)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1265	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	14.70	
		For Half Day Usage, Deduct	*-4.59*	
01 22 23 00-1266	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	35.27	
01 22 23 00-1267	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	108.75	
		For >6 Months (>26 Weeks), Deduct	*-4.35*	
01 22 23 00-1268	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	23.51	
		For Half Day Usage, Deduct	*-7.35*	
01 22 23 00-1269	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	58.79	
01 22 23 00-1270	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	179.30	
		For >6 Months (>26 Weeks), Deduct	*-7.17*	
01 22 23 00-1271	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	38.21	
		For Half Day Usage, Deduct	*-11.94*	
01 22 23 00-1272	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	99.94	
01 22 23 00-1273	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	296.87	
		For >6 Months (>26 Weeks), Deduct	*-11.87*	
01 22 23 00-1274	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1275	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	120.51	
01 22 23 00-1276	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1277	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1278	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	97.00	
01 22 23 00-1279	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	293.93	
		For >6 Months (>26 Weeks), Deduct	*-11.76*	
01 22 23 00-1280	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1281	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1282	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1283	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	41.15	
		For Half Day Usage, Deduct	*-12.86*	
01 22 23 00-1284	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	105.81	
01 22 23 00-1285	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	323.32	
		For >6 Months (>26 Weeks), Deduct	*-12.93*	
01 22 23 00-1286	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1287	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1288	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1289	DAY	10" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1290	WK	10" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1291	MO	10" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1292	DAY	12" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1293	WK	12" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1294	MO	12" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1295	DAY	4" Diameter Tee For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1296	WK	4" Diameter Tee For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1297	MO	4" Diameter Tee For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1298	DAY	6" Diameter Tee For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1299	WK	6" Diameter Tee For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1300	MO	6" Diameter Tee For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1301	DAY	8" Diameter Tee For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1302	WK	8" Diameter Tee For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1303	MO	8" Diameter Tee For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1304	DAY	10" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1305	WK	10" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1306	MO	10" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1307	DAY	12" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1308	WK	12" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1309	MO	12" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1310	DAY	4" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1311	WK	4" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1312	MO	4" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1313	DAY	6" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1314	WK	6" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1315	MO	6" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1316	DAY	8" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1317	WK	8" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1318	MO	8" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1319	DAY	10" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1320	WK	10" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1321	MO	10" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1322	DAY	12" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1323	WK	12" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1324	MO	12" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1325	DAY	4" Diameter Wye For HDPE Pipe, Quick Connect	17.64	
		For Half Day Usage, Deduct	*-5.51*	
01 22 23 00-1326	WK	4" Diameter Wye For HDPE Pipe, Quick Connect	44.09	
01 22 23 00-1327	MO	4" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
		For >6 Months (>26 Weeks), Deduct	*-5.41*	
01 22 23 00-1328	DAY	6" Diameter Wye For HDPE Pipe, Quick Connect	20.58	
		For Half Day Usage, Deduct	*-6.43*	
01 22 23 00-1329	WK	6" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
01 22 23 00-1330	MO	6" Diameter Wye For HDPE Pipe, Quick Connect	161.66	
		For >6 Months (>26 Weeks), Deduct	*-6.47*	
01 22 23 00-1331	DAY	8" Diameter Wye For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1332	WK	8" Diameter Wye For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1333	MO	8" Diameter Wye For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1334	DAY	10" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1335	WK	10" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1336	MO	10" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	
01 22 23 00-1337	DAY	12" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1338	WK	12" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1339	MO	12" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	

01 22 23 00-1340 Temporary Building Services *(01 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1341		**Air Handling Unit (AHU)** *(01 22 23 00-1340)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1342		**Air Handling Unit (AHU)** *(01 22 23 00-1341)*		
01 22 23 00-1343	MO	5,000 CFM Air Handling Unit Rental	3,166.02	
		For >6 Months (>26 Weeks), Deduct	*-126.64*	
01 22 23 00-1344	MO	10,000 CFM Air Handling Unit Rental	3,273.75	
		For >6 Months (>26 Weeks), Deduct	*-130.95*	
01 22 23 00-1345	MO	25,000 CFM Air Handling Unit Rental	5,379.84	
		For >6 Months (>26 Weeks), Deduct	*-215.19*	
01 22 23 00-1346		**Air Handling Unit Set-up** *(01 22 23 00-1341)*		
01 22 23 00-1347	EA	Set-up Charge For Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,117.61	
01 22 23 00-1348	MO	12" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	309.83	
01 22 23 00-1349	MO	20" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	374.64	
01 22 23 00-1350		**Boilers** *(01 22 23 00-1340)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1351		**Electric Boilers** *(01 22 23 00-1350)*		
01 22 23 00-1352	MO	40 MBH, 12 KW Electric Boiler Rental	2,882.75	
01 22 23 00-1353	MO	60 MBH, 20 KW Electric Boiler Rental	3,144.86	
01 22 23 00-1354	MO	95 MBH, 30 KW Electric Boiler Rental	3,275.92	
01 22 23 00-1355	MO	135 MBH, 40 KW Electric Boiler Rental	3,668.96	
01 22 23 00-1356	MO	165 MBH, 50 KW Electric Boiler Rental	5,110.33	
01 22 23 00-1357	MO	215 MBH, 60 KW Electric Boiler Rental	5,896.56	
01 22 23 00-1358	MO	365 MBH, 100 KW Electric Boiler Rental	7,731.10	
01 22 23 00-1359	MO	510 MBH, 150 KW Electric Boiler Rental	9,434.58	
01 22 23 00-1360		**Oil Fired Hot Water Boilers** *(01 22 23 00-1350)*		
01 22 23 00-1361	MO	500 MBH, 15 HP, Oil Fired Hot Water Boiler Rental	2,536.21	
01 22 23 00-1362	MO	1,000 MBH, 30 HP, Oil Fired Hot Water Boiler Rental	3,099.15	
01 22 23 00-1363	MO	1,500 MBH, 45 HP, Oil Fired Hot Water Boiler Rental	3,663.41	
01 22 23 00-1364	MO	2,000 MBH, 60 HP, Oil Fired Hot Water Boiler Rental	4,227.03	
01 22 23 00-1365	MO	2,500 MBH, 75 HP, Oil Fired Hot Water Boiler Rental	4,790.64	
01 22 23 00-1366	MO	3,000 MBH, 90 HP, Oil Fired Hot Water Boiler Rental	5,354.22	
01 22 23 00-1367	MO	3,500 MBH, 105 HP, Oil Fired Hot Water Boiler Rental	6,763.23	
01 22 23 00-1368	MO	4,000 MBH, 120 HP, Oil Fired Hot Water Boiler Rental	7,890.44	
01 22 23 00-1369	MO	4,500 MBH, 135 HP, Oil Fired Hot Water Boiler Rental	7,980.11	
01 22 23 00-1370	MO	5,000 MBH, 150 HP, Oil Fired Hot Water Boiler Rental	8,069.77	
01 22 23 00-1371	MO	5,500 MBH, 165 HP, Oil Fired Hot Water Boiler Rental	8,454.04	
01 22 23 00-1372	MO	6,000 MBH, 180 HP, Oil Fired Hot Water Boiler Rental	8,966.40	
01 22 23 00-1373	MO	6,500 MBH, 195 HP, Oil Fired Hot Water Boiler Rental	9,478.77	
01 22 23 00-1374	MO	7,000 MBH, 210 HP, Oil Fired Hot Water Boiler Rental	9,991.14	
01 22 23 00-1375	MO	7,500 MBH, 225 HP, Oil Fired Hot Water Boiler Rental	10,503.51	
01 22 23 00-1376	MO	8,000 MBH, 240 HP, Oil Fired Hot Water Boiler Rental	11,015.87	
01 22 23 00-1377	MO	8,500 MBH, 255 HP, Oil Fired Hot Water Boiler Rental	11,528.24	
01 22 23 00-1378	MO	9,000 MBH, 270 HP, Oil Fired Hot Water Boiler Rental	12,040.61	
01 22 23 00-1379	MO	9,500 MBH, 285 HP, Oil Fired Hot Water Boiler Rental	12,552.97	
01 22 23 00-1380	MO	10,000 MBH, 300 HP, Oil Fired Hot Water Boiler Rental	13,065.34	
01 22 23 00-1381	MO	10,500 MBH, 315 HP, Oil Fired Hot Water Boiler Rental	13,577.71	
01 22 23 00-1382	MO	11,000 MBH, 330 HP, Oil Fired Hot Water Boiler Rental	14,090.08	
01 22 23 00-1383	MO	11,500 MBH, 345 HP, Oil Fired Hot Water Boiler Rental	14,602.44	
01 22 23 00-1384	MO	12,000 MBH, 360 HP, Oil Fired Hot Water Boiler Rental	15,114.81	
01 22 23 00-1385	MO	12,500 MBH, 375 HP, Oil Fired Hot Water Boiler Rental	15,627.18	
01 22 23 00-1386	MO	13,000 MBH, 390 HP, Oil Fired Hot Water Boiler Rental	16,139.54	
01 22 23 00-1387	MO	13,500 MBH, 405 HP, Oil Fired Hot Water Boiler Rental	16,651.90	
01 22 23 00-1388	MO	14,000 MBH, 420 HP, Oil Fired Hot Water Boiler Rental	17,164.26	
01 22 23 00-1389	MO	14,500 MBH, 435 HP, Oil Fired Hot Water Boiler Rental	17,676.63	
01 22 23 00-1390	MO	15,000 MBH, 450 HP, Oil Fired Hot Water Boiler Rental	18,189.00	
01 22 23 00-1391	MO	15,500 MBH, 465 HP, Oil Fired Hot Water Boiler Rental	18,701.37	
01 22 23 00-1392	MO	16,000 MBH, 480 HP, Oil Fired Hot Water Boiler Rental	19,213.73	
01 22 23 00-1393	MO	16,500 MBH, 495 HP, Oil Fired Hot Water Boiler Rental	19,726.10	
01 22 23 00-1394	MO	17,000 MBH, 510 HP, Oil Fired Hot Water Boiler Rental	20,238.47	
01 22 23 00-1395		**Boilers Set-up** *(01 22 23 00-1350)*		
01 22 23 00-1396	EA	Set-up Charge For Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,211.48	
01 22 23 00-1397		**Chillers** *(01 22 23 00-1340)* Note: Excludes operator, delivery, set-up, and removal.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1398 Air-Cooled Chillers *(01 22 23 00-1397)*

01 22 23 00-1399	MO	25 Ton Air-Cooled Chiller Rental	2,552.14	
		For >3 To 6 Month Rental, Deduct	*-382.82*	
		For >6 Months (>26 Weeks), Deduct	*-638.04*	
01 22 23 00-1400	MO	40 Ton Air-Cooled Chiller Rental	4,083.43	
		For >3 To 6 Month Rental, Deduct	*-612.51*	
		For >6 Months (>26 Weeks), Deduct	*-1,020.86*	
01 22 23 00-1401	MO	60 Ton Air-Cooled Chiller Rental	4,994.49	
		For >3 To 6 Month Rental, Deduct	*-749.17*	
		For >6 Months (>26 Weeks), Deduct	*-1,248.62*	
01 22 23 00-1402	MO	80 Ton Air-Cooled Chiller Rental	5,905.56	
		For >3 To 6 Month Rental, Deduct	*-885.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,476.39*	
01 22 23 00-1403	MO	100 Ton Air-Cooled Chiller Rental	6,816.62	
		For >3 To 6 Month Rental, Deduct	*-1,022.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,704.16*	
01 22 23 00-1404	MO	125 Ton Air-Cooled Chiller Rental	7,897.19	
		For >3 To 6 Month Rental, Deduct	*-1,184.58*	
		For >6 Months (>26 Weeks), Deduct	*-1,974.30*	
01 22 23 00-1405	MO	155 Ton Air-Cooled Chiller Rental	9,553.67	
		For >3 To 6 Month Rental, Deduct	*-1,433.05*	
		For >6 Months (>26 Weeks), Deduct	*-2,388.42*	
01 22 23 00-1406	MO	170 Ton Air-Cooled Chiller Rental	10,216.26	
		For >3 To 6 Month Rental, Deduct	*-1,532.44*	
		For >6 Months (>26 Weeks), Deduct	*-2,554.07*	
01 22 23 00-1407	MO	200 Ton Air-Cooled Chiller Rental	11,735.99	
		For >3 To 6 Month Rental, Deduct	*-1,760.40*	
		For >6 Months (>26 Weeks), Deduct	*-2,934.00*	
01 22 23 00-1408	MO	250 Ton Air-Cooled Chiller Rental	13,964.54	
		For >3 To 6 Month Rental, Deduct	*-2,094.68*	
		For >6 Months (>26 Weeks), Deduct	*-3,491.14*	
01 22 23 00-1409	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,295.18	
		For >3 To 6 Month Rental, Deduct	*-2,444.28*	
		For >6 Months (>26 Weeks), Deduct	*-4,073.80*	
01 22 23 00-1410	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,495.77	
		For >3 To 6 Month Rental, Deduct	*-3,224.37*	
		For >6 Months (>26 Weeks), Deduct	*-5,373.94*	
01 22 23 00-1411	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,607.75	
		For >3 To 6 Month Rental, Deduct	*-3,991.16*	
		For >6 Months (>26 Weeks), Deduct	*-6,651.94*	
01 22 23 00-1412	EA	Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,707.98	

01 22 23 00-1413 Chiller Rental Accessories *(01 22 23 00-1397)*

01 22 23 00-1414	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.48	
01 22 23 00-1415	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.84	

01 22 23 00-1416 Cooling Tower *(01 22 23 00-1340)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1417	MO	100 Ton Cooling Tower Rental	3,702.23	
		For >3 To 6 Months Rental, Deduct	*-555.33*	
		For >6 Months (>26 Weeks), Deduct	*-925.56*	
01 22 23 00-1418	MO	200 Ton Cooling Tower Rental	6,739.50	
		For >3 To 6 Months Rental, Deduct	*-1,010.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,684.88*	
01 22 23 00-1419	MO	250 Ton Cooling Tower Rental	7,632.17	
		For >3 To 6 Months Rental, Deduct	*-1,144.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,908.04*	
01 22 23 00-1420	MO	300 Ton Cooling Tower Rental	8,626.56	
		For >3 To 6 Months Rental, Deduct	*-1,293.98*	
		For >6 Months (>26 Weeks), Deduct	*-2,156.64*	
01 22 23 00-1421	MO	400 Ton Cooling Tower Rental	10,783.20	
		For >3 To 6 Months Rental, Deduct	*-1,617.48*	
		For >6 Months (>26 Weeks), Deduct	*-2,695.80*	
01 22 23 00-1422	MO	500 Ton Cooling Tower Rental	12,607.41	
		For >3 To 6 Months Rental, Deduct	*-1,891.11*	
		For >6 Months (>26 Weeks), Deduct	*-3,151.85*	
01 22 23 00-1423	MO	Set-up Charge For Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,707.98	

01 22 23 00-1424 Emergency Cooler/Freezer *(01 22 23 00-1340)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1425	DAY	8 x 6 x 7 Emergency Cooler Rental	151.76	
		For Half Day Usage, Deduct	*-47.43*	
01 22 23 00-1426	WK	8 x 6 x 7 Emergency Cooler Rental	809.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1427	DAY	10 x 7 x 7 Emergency Cooler Rental	303.52	
		For Half Day Usage, Deduct	*-94.85*	
01 22 23 00-1428	WK	10 x 7 x 7 Emergency Cooler Rental	1,214.10	
01 22 23 00-1429	MO	10 x 7 x 7 Emergency Cooler Rental	3,035.25	
01 22 23 00-1430	DAY	10 x 7 x 7 Emergency Freezer Rental	354.11	
		For Half Day Usage, Deduct	*-110.66*	
01 22 23 00-1431	WK	10 x 7 x 7 Emergency Freezer Rental	1,416.45	
01 22 23 00-1432	MO	10 x 7 x 7 Emergency Freezer Rental	3,642.30	
01 22 23 00-1433	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	404.70	
		For Half Day Usage, Deduct	*-126.47*	
01 22 23 00-1434	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,618.80	
01 22 23 00-1435	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	4,047.00	

01 22 23 00-1436 Portable Spot Cooling Units *(01 22 23 00-1340)*

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1437	DAY	1 Ton Portable Spot Cooling Unit	163.47	
		For Half Day Usage, Deduct	*-51.08*	
01 22 23 00-1438	WK	1 Ton Portable Spot Cooling Unit	354.19	
01 22 23 00-1439	MO	1 Ton Portable Spot Cooling Unit	837.27	
		For >6 Months (>26 Weeks), Deduct	*-33.49*	
01 22 23 00-1440	DAY	1.5 Ton Portable Spot Cooling Unit	213.77	
		For Half Day Usage, Deduct	*-66.80*	
01 22 23 00-1441	WK	1.5 Ton Portable Spot Cooling Unit	439.07	
01 22 23 00-1442	MO	1.5 Ton Portable Spot Cooling Unit	1,030.09	
		For >6 Months (>26 Weeks), Deduct	*-41.20*	
01 22 23 00-1443	DAY	2 Ton Portable Spot Cooling Unit	288.17	
		For Half Day Usage, Deduct	*-90.05*	
01 22 23 00-1444	WK	2 Ton Portable Spot Cooling Unit	602.54	
01 22 23 00-1445	MO	2 Ton Portable Spot Cooling Unit	1,116.01	
		For >6 Months (>26 Weeks), Deduct	*-44.64*	
01 22 23 00-1446	DAY	3 Ton Portable Spot Cooling Unit	301.80	
		For Half Day Usage, Deduct	*-94.31*	
01 22 23 00-1447	WK	3 Ton Portable Spot Cooling Unit	639.22	
01 22 23 00-1448	MO	3 Ton Portable Spot Cooling Unit	1,412.57	
		For >6 Months (>26 Weeks), Deduct	*-56.50*	
01 22 23 00-1449	DAY	5 Ton Portable Spot Cooling Unit	471.56	
		For Half Day Usage, Deduct	*-147.36*	
01 22 23 00-1450	WK	5 Ton Portable Spot Cooling Unit	953.59	
01 22 23 00-1451	MO	5 Ton Portable Spot Cooling Unit	1,981.58	
		For >6 Months (>26 Weeks), Deduct	*-79.26*	
01 22 23 00-1452	DAY	10 To 12 Ton Portable Spot Cooling Unit	616.17	
		For Half Day Usage, Deduct	*-192.55*	
01 22 23 00-1453	WK	10 To 12 Ton Portable Spot Cooling Unit	1,388.47	
01 22 23 00-1454	MO	10 To 12 Ton Portable Spot Cooling Unit	3,351.18	
		For >6 Months (>26 Weeks), Deduct	*-134.05*	
01 22 23 00-1455	DAY	20 Ton Portable Spot Cooling Unit	707.33	
		For Half Day Usage, Deduct	*-221.04*	
01 22 23 00-1456	WK	20 Ton Portable Spot Cooling Unit	1,624.24	
01 22 23 00-1457	MO	20 Ton Portable Spot Cooling Unit	4,526.93	
		For >6 Months (>26 Weeks), Deduct	*-181.08*	
01 22 23 00-1458	DAY	25 Ton Portable Spot Cooling Unit	1,005.98	
		For Half Day Usage, Deduct	*-314.37*	
01 22 23 00-1459	WK	25 Ton Portable Spot Cooling Unit	2,038.17	
01 22 23 00-1460	MO	25 Ton Portable Spot Cooling Unit	4,741.75	
		For >6 Months (>26 Weeks), Deduct	*-189.67*	
01 22 23 00-1461	EA	Set-up Charge For Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	274.78	
01 22 23 00-1462	EA	Set-up Charge For Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	632.20	
01 22 23 00-1463	EA	Set-up Charge For Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	933.49	

01 22 23 00-1464 Fuel Oil Tank *(01 22 23 00-1340)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0877 for reimbursable fuel fees.

01 22 23 00-1465	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	438.74	
		For >6 Months (>26 Weeks), Deduct	*-17.55*	
01 22 23 00-1466	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	682.48	
		For >6 Months (>26 Weeks), Deduct	*-27.30*	
01 22 23 00-1467	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,706.20	
		For >6 Months (>26 Weeks), Deduct	*-68.25*	
01 22 23 00-1468	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,843.66	
		For >6 Months (>26 Weeks), Deduct	*-113.75*	
01 22 23 00-1469	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,753.63	
		For >6 Months (>26 Weeks), Deduct	*-150.15*	
01 22 23 00-1470	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,705.63	
		For >6 Months (>26 Weeks), Deduct	*-268.23*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1471		Truck And Trailer Equipment *(01 22 23)*			
01 22 23 00-1472		Trucks *(01 22 23 00-1471)*			
		Note: Includes driver, delivery to job site and pick-up when complete.			
01 22 23 00-1473		Flat Bed Trucks *(01 22 23 00-1472)*			
		Note: Includes hydraulic tilt bed.			
01 22 23 00-1474	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		1,094.98	
		For Equipment Without Operator, Deduct		*-806.32*	
		For Half Day Usage, Deduct		*-493.37*	
01 22 23 00-1475	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		4,788.37	
		For Equipment Without Operator, Deduct		*-4,031.62*	
01 22 23 00-1476	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		19,381.73	
		For Equipment Without Operator, Deduct		*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct		*-76.45*	
01 22 23 00-1477	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		1,219.80	
		For Equipment Without Operator, Deduct		*-806.32*	
		For Half Day Usage, Deduct		*-532.37*	
01 22 23 00-1478	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		5,108.23	
		For Equipment Without Operator, Deduct		*-4,031.62*	
01 22 23 00-1479	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		20,200.88	
		For Equipment Without Operator, Deduct		*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct		*-109.22*	
01 22 23 00-1480	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		1,309.36	
		For Equipment Without Operator, Deduct		*-806.32*	
		For Half Day Usage, Deduct		*-560.36*	
01 22 23 00-1481	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		5,450.56	
		For Equipment Without Operator, Deduct		*-4,031.62*	
01 22 23 00-1482	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver		21,503.74	
		For Equipment Without Operator, Deduct		*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct		*-161.34*	
01 22 23 00-1483		Boom Trucks *(01 22 23 00-1472)*			
01 22 23 00-1484	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver		1,343.84	
		For Equipment Without Operator, Deduct		*-806.32*	
		For High Rail Equipment, Add		*188.13*	
		For Half Day Usage, Deduct		*-571.14*	
01 22 23 00-1485	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver		5,431.21	
		For Equipment Without Operator, Deduct		*-4,031.62*	
		For High Rail Equipment, Add		*489.86*	
01 22 23 00-1486	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver		21,020.04	
		For Equipment Without Operator, Deduct		*-17,470.36*	
		For High Rail Equipment, Add		*1,242.39*	
		For >6 Months (>26 Weeks), Deduct		*-141.99*	
01 22 23 00-1487		Straight/Box Trucks *(01 22 23 00-1472)*			
01 22 23 00-1488	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver		929.58	
		Note: Includes 2,500 Lb. lift gate.			
		For Equipment Without Operator, Deduct		*-806.32*	
		For Half Day Usage, Deduct		*-441.68*	
01 22 23 00-1489	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver		4,647.94	
		Note: Includes 2,500 Lb. lift gate.			
		For Equipment Without Operator, Deduct		*-4,031.62*	
01 22 23 00-1490	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver		19,289.67	
		Note: Includes 2,500 Lb. lift gate.			
		For Equipment Without Operator, Deduct		*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct		*-72.77*	
01 22 23 00-1491		Light Off-Road Utility Passanger Vehicles *(01 22 23 00-1472)*			
01 22 23 00-1492	DAY	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle		317.74	
		For Half Day Usage, Deduct		*-99.29*	
01 22 23 00-1493	WK	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle		734.78	
01 22 23 00-1494	MO	4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle		1,588.72	
		For >6 Months (>26 Weeks), Deduct		*-63.55*	
01 22 23 00-1495	DAY	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle		327.67	
		For Half Day Usage, Deduct		*-102.40*	
01 22 23 00-1496	WK	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle		764.57	
01 22 23 00-1497	MO	4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle		1,688.02	
		For >6 Months (>26 Weeks), Deduct		*-67.52*	
01 22 23 00-1498		Light And Heavy Duty Trucks *(01 22 23 00-1472)*			
01 22 23 00-1499	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver		1,044.31	
		For Equipment Without Operator, Deduct		*-799.14*	
		For Half Day Usage, Deduct		*-476.19*	
01 22 23 00-1500	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver		4,800.14	
		For Equipment Without Operator, Deduct		*-3,995.68*	
01 22 23 00-1501	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver		19,000.15	
		For Equipment Without Operator, Deduct		*-17,314.62*	
		For >6 Months (>26 Weeks), Deduct		*-67.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1502	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,090.28	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-490.55*	
01 22 23 00-1503	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,938.04	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1504	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,306.61	
		For Equipment Without Operator, Deduct	*-17,314.62*	
		For >6 Months (>26 Weeks), Deduct	*-79.68*	

01 22 23 00-1505 Rear Dump Trucks *(01 22 23 00-1472)*

01 22 23 00-1506	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,173.40	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-517.87*	
01 22 23 00-1507	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	5,001.19	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1508	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,438.92	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-118.74*	
01 22 23 00-1509	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,295.10	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-555.90*	
01 22 23 00-1510	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,378.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1511	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,961.61	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-139.65*	
01 22 23 00-1512	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,364.92	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-577.72*	
01 22 23 00-1513	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,527.87	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1514	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	21,061.36	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-143.64*	
01 22 23 00-1515	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,192.84	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-836.45*	
01 22 23 00-1516	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,233.60	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1517	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,849.36	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-335.16*	
01 22 23 00-1518	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,331.50	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-879.78*	
01 22 23 00-1519	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,553.79	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1520	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,687.26	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-368.68*	

01 22 23 00-1521 Under-Bridge Inspection Trucks *(01 22 23 00-1472)*

01 22 23 00-1522	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,854.68	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,668.27*	
01 22 23 00-1523	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	22,085.10	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1524	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	81,466.50	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,559.85*	
01 22 23 00-1525	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,401.75	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,839.23*	
01 22 23 00-1526	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	23,179.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1527	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	85,595.29	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,725.00*	
01 22 23 00-1528	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,730.00	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,941.81*	
01 22 23 00-1529	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	24,820.47	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1530	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	89,724.08	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,890.15*	
01 22 23 00-1531	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,152.39	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-2,386.31*	
01 22 23 00-1532	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	31,385.37	
		For Equipment Without Operator, Deduct	*-4,031.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1533	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	110,367.99	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-3,715.91*	

01 22 23 00-1534 Vacuum Trucks *(01 22 23 00-1472)*

01 22 23 00-1535	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,182.87	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-833.33*	
01 22 23 00-1536	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,177.23	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1537	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,703.70	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-489.33*	

01 22 23 00-1538 Water Trucks *(01 22 23 00-1472)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1230 for additional discharge hose, 01 22 23 00-1570 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1539	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,426.96	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-597.11*	
01 22 23 00-1540	WK	2,000 Gallon Water Truck With Full-Time Driver	5,665.97	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1541	MO	2,000 Gallon Water Truck With Full-Time Driver	21,332.12	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-154.47*	
01 22 23 00-1542	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,730.38	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-691.93*	
01 22 23 00-1543	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,576.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1544	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,676.76	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-248.26*	

01 22 23 00-1545 Asphalt Distribution Trucks *(01 22 23 00-1472)*

01 22 23 00-1546	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,143.50	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-821.03*	
01 22 23 00-1547	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,025.99	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1548	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,278.71	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-472.33*	

01 22 23 00-1549 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1472)*

01 22 23 00-1550	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,544.55	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-632.51*	
01 22 23 00-1551	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,195.60	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1552	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,657.05	
		For Equipment Without Operator, Deduct	*-17,314.62*	
		For >6 Months (>26 Weeks), Deduct	*-213.70*	

01 22 23 00-1553 Vacuum Sweeper Trucks For Bridge Decks *(01 22 23 00-1472)*

01 22 23 00-1554	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	2,182.87	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-833.33*	
01 22 23 00-1555	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	8,177.23	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1556	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	29,703.70	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-489.33*	

01 22 23 00-1557 Combination Jet/Vacuum Trucks *(01 22 23 00-1472)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1558	DAY	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,414.77	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,218.30*	
01 22 23 00-1559	WK	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	16,242.33	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1560	DAY	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,869.94	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,360.54*	
01 22 23 00-1561	WK	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	18,890.18	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1562	DAY	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,307.60	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,497.31*	
01 22 23 00-1563	WK	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	21,538.02	
		For Equipment Without Operator, Deduct	*-4,031.62*	

01 22 23 00-1564 Truck Mounted Accessories *(01 22 23 00-1471)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1565 Truck Mounted Arrow Boards *(01 22 23 00-1564)*

01 22 23 00-1566	DAY	Truck Mounted Arrow Board	48.47	
		For Half Day Usage, Deduct	*-15.15*	
01 22 23 00-1567	WK	Truck Mounted Arrow Board	192.80	
01 22 23 00-1568	MO	Truck Mounted Arrow Board	687.46	
		For >6 Months (>26 Weeks), Deduct	*-27.50*	

01 22 23 00-1569 Trailers *(01 22 23 00-1471)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1570 Water Trailers With Pump *(01 22 23 00-1569)*

01 22 23 00-1571	DAY	500 To 600 Gallon Water Trailer With Pump	158.61	
		For Half Day Usage, Deduct	*-49.57*	
01 22 23 00-1572	WK	500 To 600 Gallon Water Trailer With Pump	406.86	
01 22 23 00-1573	MO	500 To 600 Gallon Water Trailer With Pump	1,089.57	
		For >6 Months (>26 Weeks), Deduct	*-43.58*	

01 30 Administrative Requirements *(01)*

01 31 Project Management and Coordination *(01 30)*

01 31 33 Project Minimum Labor Costs *(01 31)*

01 31 33 00-0001 Minimum Charge For Labor *(01 31 33)*

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002	EA	Minimum Charge For Brick Layer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,040.00
01 31 33 00-0003	EA	Minimum Charge For Carpenter Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,257.52
01 31 33 00-0004	EA	Minimum Charge For Carpet, Linoleum Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,208.61
01 31 33 00-0005	EA	Minimum Charge For Cement Mason Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	892.14
01 31 33 00-0006	EA	Minimum Charge For Drywall Finisher Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,111.67
01 31 33 00-0007	EA	Minimum Charge For Drywall Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,212.30
01 31 33 00-0008	EA	Minimum Charge For Electrician Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,226.61
01 31 33 00-0009	EA	Minimum Charge For Glazier Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,088.43
01 31 33 00-0010	EA	Minimum Charge For Insulator Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,107.53
01 31 33 00-0011	EA	Minimum Charge For Laborer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	787.33
01 31 33 00-0012	EA	Minimum Charge For Landscape Maintenance Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	912.33
01 31 33 00-0013	EA	Minimum Charge For Ornamental Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,098.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0014	EA	Minimum Charge For Painter, Ordinary Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	965.73	
01 31 33 00-0015	EA	Minimum Charge For Plasterer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,114.02	
01 31 33 00-0016	EA	Minimum Charge For Plumber Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,268.96	
01 31 33 00-0017	EA	Minimum Charge For Roofer, Tile/Slate Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,297.71	
01 31 33 00-0018	EA	Minimum Charge For Roofer, Composite Built-Up Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,331.16	
01 31 33 00-0019	EA	Minimum Charge For Sheet Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,274.31	
01 31 33 00-0020	EA	Minimum Charge For Sprinkler Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,035.36	
01 31 33 00-0021	EA	Minimum Charge For Tile Layer (Floor) Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,020.88	

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0052 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.77
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.54

01 35 33 Infection Control Procedures *(01 35)*

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0002		**Field Soils Tests** *(01 45 23 00-0001)*		
01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	362.89	
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	515.06	
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	585.30	
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	468.24	
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	702.36	
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,404.23	
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	52.66	
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	140.47	
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	351.06	
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	438.82	
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	106.93	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	267.32	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	534.64	
01 45 23 00-0016		**Aggregate Testing** *(01 45 23 00-0001)*		
01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	117.06	
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	210.71	
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	292.65	
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	173.76	
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	185.99	
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	166.75	
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	247.99	
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.12	
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	234.12	
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	175.59	
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	187.30	
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	491.48	
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	374.59	
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	374.59	
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	105.35	
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	105.32	
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	105.32	
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	210.63	
01 45 23 00-0035		**Permeability Tests** *(01 45 23 00-0001)*		
01 45 23 00-0036		**In-Place Tests** *(01 45 23 00-0035)*		
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,859.92	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	87.76	
01 45 23 00-0039		**Lab Tests** *(01 45 23 00-0035)*		
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	867.96	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	867.96	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	495.98	
01 45 23 00-0043		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0044		**Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	27.21	
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	74.40	
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	152.18	
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	222.41	
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	81.94	
01 45 23 00-0050	EA	Concrete Mix Design Review	444.83	
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	1,053.54	
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	819.42	
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	126.42	
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	58.53	
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	58.53	
01 45 23 00-0056		**Cement Testing** *(01 45 23 00-0043)*		
01 45 23 00-0057	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	58.53	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	93.65	
01 45 23 00-0059		**Asphaltic Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	117.06	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	304.36	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	117.06	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	304.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0064	EA	Swell Test, CA 305 Note: Includes compaction.	140.47	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	351.18	
01 45 23 00-0066	EA	Maximum Theoretical Unit Weight, ASTM C2041	223.19	
01 45 23 00-0067	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	46.82	
01 45 23 00-0068	EA	Asphalt Unit Weight On Core Test, CA 308C	46.82	
01 45 23 00-0069	HR	Nuclear Field Density Testing, 4 Hour Minimum	241.14	
01 45 23 00-0070	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	120.29	
01 45 23 00-0071	EA	Penetration, ASTM D5	169.10	
01 45 23 00-0072		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0073		Masonry Testing *(01 45 23 00-0072)*		
01 45 23 00-0074	EA	2" x 4" Cylinder Mortar Compression Test	77.26	
01 45 23 00-0075	EA	4" x 4" x 8" Grout Prisms Compression Test	77.26	
01 45 23 00-0076	EA	Masonry Cores Compression Test	152.18	
01 45 23 00-0077	EA	Composite Grouted Prism Compression Test	292.65	
01 45 23 00-0078		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0072)*		
01 45 23 00-0079	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	187.30	
01 45 23 00-0080	EA	Absorption Test, Moisture Content And Unit Weight	128.77	
01 45 23 00-0081	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	491.48	
01 45 23 00-0082	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	245.74	
01 45 23 00-0083		Metals Testing *(01 45 23)*		
01 45 23 00-0084		Tank Tightness Testing *(01 45 23 00-0083)*		
01 45 23 00-0085	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.48	
01 45 23 00-0086	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	8.12	
01 45 23 00-0087	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,438.90	
01 45 23 00-0088	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,979.93	
01 45 23 00-0089	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,795.07	
01 45 23 00-0090		Tank Line Tightness Testing *(01 45 23 00-0083)*		
01 45 23 00-0091	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	514.63	
01 45 23 00-0092	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	571.43	
01 45 23 00-0093	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	628.05	
01 45 23 00-0094		Reinforcing Steel Tensile Testing *(01 45 23 00-0083)*		
01 45 23 00-0095	EA	Up To #8 Reinforcing Steel Bar, Tensile Testing On Existing Material	73.84	
01 45 23 00-0096	EA	>#8 To #12 Reinforcing Steel Bar, Tensile Testing On Existing Material	88.04	
01 45 23 00-0097	EA	>#12 Reinforcing Steel Bar, Tensile Testing On Existing Material	110.76	
01 45 23 00-0098		Other Testing *(01 45 23)*		
01 45 23 00-0099		Special Testing *(01 45 23 00-0098)*		
01 45 23 00-0100	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	175.53	
01 45 23 00-0101	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,053.17	
01 45 23 00-0102	EA	Total Coliform Bacteria And E. Coli Bacteria Test	54.71	
01 45 23 00-0103	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	226.93	
01 45 23 00-0104	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	226.93	
01 45 23 00-0105	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	226.93	
01 45 23 00-0106	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,248.12	
01 45 23 00-0107	EA	Testing And Certification Of Backflow Valves	620.93	
01 45 23 00-0108		Non-destructive Field Testing Services *(01 45 23 00-0098)*		
01 45 23 00-0109		Infrared Thermography *(01 45 23 00-0108)* Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0110		Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0109)* Note: For on the roof surveys.		
01 45 23 00-0111	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	4,084.74	
01 45 23 00-0112	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.81	
		For CADD Drawings, Add	*1.36*	
01 45 23 00-0113	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.54	
		For CADD Drawings, Add	*0.91*	
01 45 23 00-0114	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.40	
		For CADD Drawings, Add	*0.68*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.85*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0115	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.27	
		For CADD Drawings, Add	*0.45*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.57*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.57*	
01 45 23 00-0116		**Building Moisture Investigation Using Infrared Thermography** *(01 45 23 00-0109)*		
		Note: For finding moisture in walls and windows.		
01 45 23 00-0117	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0118	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0119	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0120	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	
01 45 23 00-0121		**General Building Investigation Using Infrared Thermography** *(01 45 23 00-0109)*		
		Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0122	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,425.14	
01 45 23 00-0123	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0124	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0125	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	
01 45 23 00-0126		**Electrical /Mechanical Equipment Scanning Using Infrared Thermography** *(01 45 23 00-0109)*		
		Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0127	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0128	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	241.15	
		For Digital Or Analog Recording Of All Items, Add	*36.06*	
01 45 23 00-0129		**Concrete Block Wall Investigation Using Infrared Thermography** *(01 45 23 00-0109)*		
		Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0130	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0131	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*1.02*	
01 45 23 00-0132	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*0.68*	
01 45 23 00-0133		**Other Non-destructive Field Testing Services** *(01 45 23 00-0108)*		
01 45 23 00-0134	HR	ASNT Certified Level I NDT Consultant	75.58	
01 45 23 00-0135	HR	ASNT Certified Level II NDT Consultant	85.10	
01 45 23 00-0136	HR	ASNT Certified Level III NDT Consultant	99.25	
01 45 23 00-0137	HR	Certified Industrial Radiography Radiation Safety Personnel	110.02	
01 45 23 00-0138		**Testing Professional Services** *(01 45 23 00-0098)*		
01 45 23 00-0139	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	217.73	
01 45 23 00-0140	HR	Laboratory Technician	210.71	
01 45 23 00-0141	HR	Portable Digital Reinforcement Scanner	304.36	
01 45 23 00-0142	HR	Subsurface Detection Radar System	515.06	
01 45 23 00-0143	HR	Pavement Rehabilitation Analysis Using Deflectors	585.30	
01 45 23 00-0144		**Concrete Slab Moisture Testing** *(01 45 23 00-0098)*		
01 45 23 00-0145	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	166.88	
01 45 29		**Testing Laboratory Services** *(01 45)*		
		Note: For application to existing materials/site conditions or additional testing over specifications stated tests.		
01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)*		
		See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	161.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	51.43	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	124.00	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	867.96	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	136.08	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	37.20	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	23.11	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	298.36	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	104.02	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.57	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,028.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	208.04	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	257.13	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	475.98	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	526.77	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	154.28	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	171.42	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	367.92	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	78.85	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 30 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses	966.73	
01 51 13 00-0003	EA	Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses	1,230.81	
01 51 13 00-0004	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,593.09	
01 51 13 00-0005	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,487.24	
01 51 13 00-0006	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,506.91	
01 51 13 00-0007	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,244.96	
01 51 13 00-0008	EA	Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	9,780.82	
01 51 13 00-0009	EA	Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	15,684.88	
01 51 13 00-0010	EA	Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	21,832.43	

01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

01 51 13 00-0012	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,588.39	
01 51 13 00-0013	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,278.93	
01 51 13 00-0014	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,549.16	
01 51 13 00-0015	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,139.28	

01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0017	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.50	
01 51 13 00-0018	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.69	

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	349.75	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	123.88	
01 51 26 00-0004	EA	Temporary High Bay Light	461.63	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	259.19	
		For Each Delivery And Removal, Two Round Trips, Add	*1,553.97*	
		For Each Set-up (Block And Level), Add	*854.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*800.55*	
		For Office Trailer Without Toilet, Deduct	*-51.84*	
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	293.74	
		For Each Delivery And Removal, Two Round Trips, Add	*1,553.97*	
		For Each Set-up (Block And Level), Add	*854.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*800.55*	
		For Office Trailer Without Toilet, Deduct	*-58.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	397.42	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
		For Office Trailer Without Toilet, Deduct	*-79.48*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	423.34	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
		For Office Trailer Without Toilet, Deduct	*-84.67*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	466.54	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	492.46	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	400.05	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
		For Each Delivery And Removal, Two Round Trips, Add	*764.29*	
		For Each Set-up (Block And Level), Add	*596.40*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	534.86	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	636.73	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	880.37	
		For Each Delivery And Removal, Two Round Trips, Add	*3,107.94*	
		For Each Set-up (Block And Level), Add	*1,341.73*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*1,204.24*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,382.32	
		For Each Delivery And Removal, Two Round Trips, Add	*4,661.92*	
		For Each Set-Up (Block And Level), Add	*2,397.04*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*2,401.66*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,658.78	
		For Each Delivery And Removal, Two Round Trips, Add	*4,661.92*	
		For Each Set-Up (Block And Level), Add	*2,397.04*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*2,401.66*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	867.19	
		For Each Delivery And Removal, Two Round Trips, Add	*4,661.92*	
		For Each Set-Up (Block And Level), Add	*2,397.04*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.78*	
		For Knockdown, Add	*2,401.66*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	42.28
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	26.42
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	31.71
01 52 13 00-0019	MO	Table For Field Office Trailer	21.14
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	10.01
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	116.26
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	84.55
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	133.21
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.59
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	39.29
01 52 13 00-0026	MO	Steps For Field Office Trailer	73.50
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	122.81
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer	45.30
01 52 13 00-0029	MO	Copier For Field Office Trailer	84.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0030		**Storage Containers** *(01 52 13)*		
01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	144.00	
		For Each Delivery And Removal, Two Round Trips, Add	*120.17*	
		For >12 Months, Deduct	*-32.40*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	150.55	
		For Each Delivery And Removal, Two Round Trips, Add	*132.19*	
		For >12 Months, Deduct	*-33.87*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	178.04	
		For Each Delivery And Removal, Two Round Trips, Add	*266.23*	
		For >12 Months, Deduct	*-40.06*	
01 52 19		**Sanitary Facilities** *(01 52)*		
01 52 19 00-0001		**Portable Toilets** *(01 52 19)*		
		Note: Includes servicing once per week (unless task states otherwise).		
01 52 19 00-0002	WK	Portable Chemical Toilet	70.96	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0003	MO	Portable Chemical Toilet	212.88	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	84.64	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	248.36	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0006	WK	Two Station Portable Handwash	57.87	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0007	MO	Two Station Portable Handwash	175.53	
		For Each Delivery And Set-up, Add	*49.05*	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,431.04	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,243.18*	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,158.86	
		For One Additional Service Per Week, Add	*719.62*	
		Note: For one less service per week, UOM to be negative one (-1)		
01 53		**Temporary Construction** *(01 50)*		
01 53 16		**Temporary Decking** *(01 53)*		
01 53 16 00-0001		**Temporary Walkways And Railings** *(01 53 16)*		
		Note: Includes removal after use.		
01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.81	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	40.35	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	16.27	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	30.07	
01 53 23		**Temporary Ramps** *(01 53)*		
01 53 23 00-0001		**Temporary Plywood For Wheel Barrow Access** *(01 53 23)*		
		Note: Includes removal after use.		
01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.91	0.61
01 54		**Construction Aids** *(01 50)*		
01 54 09		**Personnel Protection Equipment** *(01 54)*		
01 54 09 00-0001		**Personnel Protection Equipment** *(01 54 09)*		
		Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.		
01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
		Note: For specification publishing. Review specifications for requirements.		
01 54 23		**Temporary Scaffolding and Platforms** *(01 54)*		
01 54 23 00-0001		**Scaffolding** *(01 54 23)*		
		Note: Additional scaffolding rental for work above the normal working height.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month	44.55	
		For Up To 25, Add	*17.82*	
		For >25 To 50, Add	*11.14*	
		For >50 To 150, Add	*4.46*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	50.10	
		For Up To 25, Add	*20.04*	
		For >25 To 50, Add	*12.53*	
		For >50 To 150, Add	*5.01*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month	66.83	
		For Up To 25, Add	*26.73*	
		For >25 To 50, Add	*16.71*	
		For >50 To 150, Add	*6.68*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	54.80
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	71.86
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	95.90
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	105.48
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	121.47
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories	76.71

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	72.22
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	132.41
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month	11.74
01 54 23 00-0017	LF	Aluminum Stringers, Per LF / Month	16.84
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	21.22

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	102.29
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	127.86
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	153.44
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	166.22
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	185.40

01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	45.25

01 54 23 00-0027 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0028	DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.33
01 54 23 00-0029	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.42
01 54 23 00-0030	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	229.65
01 54 23 00-0031	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.99
01 54 23 00-0032	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	96.07
01 54 23 00-0033	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	384.33
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	120.00
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	150.01

01 54 23 00-0036 Shoring Posts *(01 54 23)*

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.21
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.82
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	26.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.61	
		For >20 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.36*	
		For >100, Deduct	*-5.29*	

01 54 23 00-0041 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber	2.98	
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber	3.39	
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber	3.69	
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber	4.04	
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber	5.86	
01 54 23 00-0047	LF	2" x 4" Temporary Lumber	3.52	
01 54 23 00-0048	LF	2" x 6" Temporary Lumber	4.36	
01 54 23 00-0049	LF	2" x 8" Temporary Lumber	5.22	
01 54 23 00-0050	LF	2" x 10" Temporary Lumber	6.07	
01 54 23 00-0051	LF	2" x 12" Temporary Lumber	6.93	
01 54 23 00-0052	LF	3" x 8" Temporary Lumber	6.93	
01 54 23 00-0053	LF	3" x 10" Temporary Lumber	8.20	
01 54 23 00-0054	LF	3" x 12" Temporary Lumber	9.49	
01 54 23 00-0055	LF	4" x 4" Temporary Lumber	4.51	
01 54 23 00-0056	LF	4" x 6" Temporary Lumber	6.32	
01 54 23 00-0057	LF	6" x 6" Temporary Lumber	8.14	
01 54 23 00-0058	LF	6" x 8" Temporary Lumber	10.52	
01 54 23 00-0059	LF	12" x 12" Temporary Lumber	24.46	

01 54 23 00-0060 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	131.83	
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	164.80	
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	215.77	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage *(01 54 26)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,174.68	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,333.41	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,492.14	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,650.88	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,809.61	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,968.35	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,127.08	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	915.47	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,144.33	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	5,115.36	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	7,108.67	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,689.77	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,746.46	

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.58	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	5.60	

01 55 23 00-0004 Rumble Trench Plate *(01 55 23)*

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	424.02	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	105.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	26.33	
01 55 23 00-0008		**Temporary Road Ramps (Godwin)** *(01 55 23)* Note: Excludes asphalt and gravel.		
01 55 23 00-0009	EA	4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,217.18	239.48
01 55 23 00-0010	EA	6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	7,104.74	359.22
01 55 23 00-0011	EA	8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,816.33	478.95
01 55 23 00-0012	EA	12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	20,356.31	598.69
01 55 23 00-0013	EA	24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,866.23	718.43
01 55 26		**Traffic Control** *(01 55)*		
01 55 26 00-0001		**Temporary Removable Preformed Traffic Black Line Mask** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.56	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.71	
01 55 26 00-0004		**Temporary Preformed Traffic Line Tape** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.62	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.67	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.61	
01 55 26 00-0008		**Temporary Painted Traffic Lines** *(01 55 26)* Note: Includes installation and removal after use.		
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.63	
		For Not Removed, Deduct	*-1.79*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.48	
		For Not Removed, Deduct	*-2.42*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.36	
		For Not Removed, Deduct	*-3.06*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.63	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.67	
01 55 26 00-0014		**Temporary Pedestrian Traffic Control** *(01 55 26)*		
01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.65	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	15.29	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.05	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	11.12	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	12.14	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.74	
01 55 26 00-0021	CLF	1" Exterior Vinyl Warning Tape	13.89	
01 55 26 00-0022	CLF	2" Exterior Vinyl Warning Tape	19.53	
01 55 26 00-0023	CLF	3" Exterior Vinyl Warning Tape	24.62	
01 55 26 00-0024	CLF	4" Exterior Vinyl Warning Tape	28.79	
01 55 26 00-0025		**Linear Delineation System, Temporary Or Permanent** *(01 55 26)* Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026	LF	4" Linear Delineation System	12.02	
01 55 26 00-0027	LF	6" Linear Delineation System	16.26	
01 55 26 00-0028		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0029		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0151 for daily (or as needed) placement and removal of temporary traffice devices.		
01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.91	
01 55 26 00-0031	WK	28" Cone With Reflective Collar	2.73	
01 55 26 00-0032	MO	28" Cone With Reflective Collar	8.19	
01 55 26 00-0033	DAY	Vertical Panel	2.75	
01 55 26 00-0034	WK	Vertical Panel	8.25	
01 55 26 00-0035	MO	Vertical Panel	24.75	
01 55 26 00-0036	DAY	Channelizer Drum	2.99	
01 55 26 00-0037	WK	Channelizer Drum	8.96	
01 55 26 00-0038	MO	Channelizer Drum	26.87	
01 55 26 00-0039	DAY	Stackable Channelizer Panel	1.41	
01 55 26 00-0040	WK	Stackable Channelizer Panel	4.24	
01 55 26 00-0041	MO	Stackable Channelizer Panel	12.71	
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.95	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.86	
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.59	
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.33	
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	13.00	
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	39.00	
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.94	
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.81	
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	44.44	
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	9.03	
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	27.10	
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	81.30	
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	4.95	
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	14.86	
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	44.59	
01 55 26 00-0057	DAY	Type A Or C Flasher	1.01	
01 55 26 00-0058	WK	Type A Or C Flasher	3.03	
01 55 26 00-0059	MO	Type A Or C Flasher	9.09	
01 55 26 00-0060	DAY	Type B High Intensity Flasher	5.48	
01 55 26 00-0061	WK	Type B High Intensity Flasher	16.43	
01 55 26 00-0062	MO	Type B High Intensity Flasher	49.30	
01 55 26 00-0063		**Temporary Traffic Barriers Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	2.36	
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	7.08	
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	21.23	
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	6.98	
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	20.95	
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	62.84	
01 55 26 00-0070	DAY	8' To 12.5' Concrete Traffic Barrier	16.77	
01 55 26 00-0071	WK	8' To 12.5' Concrete Traffic Barrier	50.32	
01 55 26 00-0072	MO	8' To 12.5' Concrete Traffic Barrier	150.96	
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	33.55	
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	100.64	
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	301.92	
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	20.03	
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	60.09	
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	180.27	
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	28.60	
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	85.80	
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	257.41	
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	11.19	
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	33.58	
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	100.75	
01 55 26 00-0085	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,588.72	
01 55 26 00-0086		**Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0087	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.79	
01 55 26 00-0088	WK	Mesh Or Vinyl Roll-up Sign With Stand	26.37	
01 55 26 00-0089	MO	Mesh Or Vinyl Roll-up Sign With Stand	79.10	
01 55 26 00-0090	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.45	
01 55 26 00-0091	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	10.35	
01 55 26 00-0092	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	31.05	
01 55 26 00-0093	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.79	
01 55 26 00-0094	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	14.37	
01 55 26 00-0095	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	43.10	
01 55 26 00-0096	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.24	
01 55 26 00-0097	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.72	
01 55 26 00-0098	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	38.16	
01 55 26 00-0099	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.24	
01 55 26 00-0100	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	15.71	
01 55 26 00-0101	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	47.14	
01 55 26 00-0102	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	6.14	
01 55 26 00-0103	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	18.41	
01 55 26 00-0104	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	55.22	
01 55 26 00-0105	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	7.03	
01 55 26 00-0106	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	21.10	
01 55 26 00-0107	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	63.30	
01 55 26 00-0108	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.93	
01 55 26 00-0109	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	23.79	
01 55 26 00-0110	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	71.38	
01 55 26 00-0111	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.73	
01 55 26 00-0112	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	29.18	
01 55 26 00-0113	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	87.55	
01 55 26 00-0114	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0115	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	28.73	
01 55 26 00-0116	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	86.20	
01 55 26 00-0117	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.70	
01 55 26 00-0118	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	32.10	
01 55 26 00-0119	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	96.30	
01 55 26 00-0120	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.82	
01 55 26 00-0121	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	35.47	
01 55 26 00-0122	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	106.40	
01 55 26 00-0123	DAY	Aluminum Sign And Post	4.97	
01 55 26 00-0124	WK	Aluminum Sign And Post	14.91	
01 55 26 00-0125	MO	Aluminum Sign And Post	44.74	
01 55 26 00-0126	DAY	Trailer Mounted Flashing Arrow Board	155.33	
01 55 26 00-0127	WK	Trailer Mounted Flashing Arrow Board	429.92	
01 55 26 00-0128	MO	Trailer Mounted Flashing Arrow Board	1,137.22	
01 55 26 00-0129	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	297.66	
01 55 26 00-0130	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	793.76	
01 55 26 00-0131	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,587.52	
01 55 26 00-0132	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,495.13	
01 55 26 00-0133	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,485.39	
01 55 26 00-0134	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,456.17	

01 55 26 00-0135 Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck *(01 55 26 00-0028)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0151 for daily (or as needed) placement and removal of temporary traffice devices, 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0136	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	4.14	
01 55 26 00-0137	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	3.63	
01 55 26 00-0138	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	6.83	
01 55 26 00-0139	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.69	
01 55 26 00-0140	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.35	
01 55 26 00-0141	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	8.28	
01 55 26 00-0142	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.35	
01 55 26 00-0143	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.21	
01 55 26 00-0144	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	25.87	
01 55 26 00-0145	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	77.61	
01 55 26 00-0146	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	105.33	
		For 1 Barrier, Add	*263.33*	
		For 2 Barriers, Add	*94.80*	
		For 3 Barriers, Add	*31.60*	
01 55 26 00-0147	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	158.01	
		For 1 Barrier, Add	*395.03*	
		For 2 Barriers, Add	*142.21*	
		For 3 Barriers, Add	*47.40*	
01 55 26 00-0148	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	60.33	
		For 1 Barrier, Add	*131.68*	
		For 2 Barriers, Add	*47.40*	
		For 3 Barriers, Add	*15.80*	
01 55 26 00-0149	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	79.00	
		For 1 Barrier, Add	*197.50*	
		For 2 Barriers, Add	*71.10*	
		For 3 Barriers, Add	*23.70*	
01 55 26 00-0150	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	579.36	

01 55 26 00-0151 Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) *(01 55 26 00-0028)*

01 55 26 00-0152	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.58	
01 55 26 00-0153	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.07	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0154	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	3.45	
01 55 26 00-0155	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	2.74	
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	5.18	
01 55 26 00-0157	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	4.14	
01 55 26 00-0158	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	3.08	
01 55 26 00-0159	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area	38.81	
01 55 26 00-0160	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	52.67	

01 55 26 00-0161 Place And Remove Temporary Signs For Detours *(01 55 26 00-0028)*

01 55 26 00-0162 Temporary Reflectorized Signs For Detours *(01 55 26 00-0161)*

Note: Excludes posts.

01 55 26 00-0163 Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0162)*

01 55 26 00-0164	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	98.82	
		For Hi-Intensity Grade, Add	*10.19*	
		For Diamond Grade, Add	*19.37*	
01 55 26 00-0165	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	112.89	
		For Hi-Intensity Grade, Add	*13.33*	
		For Diamond Grade, Add	*25.33*	
01 55 26 00-0166	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	121.71	
		For Hi-Intensity Grade, Add	*20.36*	
		For Diamond Grade, Add	*32.29*	
01 55 26 00-0167	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	139.26	
		For Hi-Intensity Grade, Add	*7.63*	
		For Diamond Grade, Add	*41.35*	
01 55 26 00-0168	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	181.19	
		For Hi-Intensity Grade, Add	*22.43*	
		For Diamond Grade, Add	*70.34*	

01 55 26 00-0169 Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0162)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

01 55 26 00-0170 Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0169)*

01 55 26 00-0171	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	66.05	
		For Hi-Intensity Grade, Add	*2.53*	
01 55 26 00-0172	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	70.26	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0173	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	70.26	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0174	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	73.41	
		For Hi-Intensity Grade, Add	*4.73*	
01 55 26 00-0175	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	76.57	
		For Hi-Intensity Grade, Add	*5.68*	
01 55 26 00-0176	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	86.49	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0177	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	111.75	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0178	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	74.47	
		For Hi-Intensity Grade, Add	*5.05*	
01 55 26 00-0179	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	86.49	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0180	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	94.91	
		For Hi-Intensity Grade, Add	*10.10*	
01 55 26 00-0181	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	103.33	
		For Hi-Intensity Grade, Add	*12.63*	
01 55 26 00-0182	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	111.75	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0183	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	99.12	
		For Hi-Intensity Grade, Add	*11.36*	
01 55 26 00-0184	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	111.75	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0185	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	127.98	
		For Hi-Intensity Grade, Add	*18.94*	
01 55 26 00-0186	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	140.60	
		For Hi-Intensity Grade, Add	*22.73*	
01 55 26 00-0187	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	192.89	
		For Hi-Intensity Grade, Add	*34.09*	
01 55 26 00-0188	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	132.19	
		For Hi-Intensity Grade, Add	*20.21*	
01 55 26 00-0189	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	149.02	
		For Hi-Intensity Grade, Add	*25.25*	
01 55 26 00-0190	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	165.86	
		For Hi-Intensity Grade, Add	*30.31*	
01 55 26 00-0191	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	197.10	
		For Hi-Intensity Grade, Add	*35.36*	
01 55 26 00-0192	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	213.94	
		For Hi-Intensity Grade, Add	*40.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0193	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	230.78	
		For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0194	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	170.07	
		For Hi-Intensity Grade, Add	*31.57*	
01 55 26 00-0195	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	205.52	
		For Hi-Intensity Grade, Add	*37.88*	
01 55 26 00-0196	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	226.57	
		For Hi-Intensity Grade, Add	*44.20*	
01 55 26 00-0197	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	262.02	
		For Hi-Intensity Grade, Add	*50.51*	
01 55 26 00-0198	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	318.52	
		For Hi-Intensity Grade, Add	*63.14*	
01 55 26 00-0199	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	230.78	
		For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0200	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	270.44	
		For Hi-Intensity Grade, Add	*53.03*	
01 55 26 00-0201	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	310.11	
		For Hi-Intensity Grade, Add	*60.61*	
01 55 26 00-0202	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	335.36	
		For Hi-Intensity Grade, Add	*68.19*	
01 55 26 00-0203	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	375.02	
		For Hi-Intensity Grade, Add	*75.76*	
01 55 26 00-0204	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	444.15	
		For Hi-Intensity Grade, Add	*92.18*	
01 55 26 00-0205	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	465.20	
		For Hi-Intensity Grade, Add	*98.49*	
01 55 26 00-0206	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	613.09	
		For Hi-Intensity Grade, Add	*136.37*	
01 55 26 00-0207	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	314.31	
		For Hi-Intensity Grade, Add	*61.87*	
01 55 26 00-0208	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	391.86	
		For Hi-Intensity Grade, Add	*80.81*	
01 55 26 00-0209	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	439.94	
		For Hi-Intensity Grade, Add	*90.92*	
01 55 26 00-0210	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	473.62	
		For Hi-Intensity Grade, Add	*101.02*	
01 55 26 00-0211	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	528.91	
		For Hi-Intensity Grade, Add	*111.12*	
01 55 26 00-0212	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	562.58	
		For Hi-Intensity Grade, Add	*121.22*	
01 55 26 00-0213	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	644.33	
		For Hi-Intensity Grade, Add	*141.43*	
01 55 26 00-0214	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	711.67	
		For Hi-Intensity Grade, Add	*161.63*	
01 55 26 00-0215	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	745.34	
		For Hi-Intensity Grade, Add	*171.73*	
01 55 26 00-0216	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	786.22	
		For Hi-Intensity Grade, Add	*181.83*	
01 55 26 00-0217	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	678.00	
		For Hi-Intensity Grade, Add	*151.53*	
01 55 26 00-0218	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	1,055.60	
		For Hi-Intensity Grade, Add	*262.65*	

01 55 26 00-0219 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0161)*

Note: Including horizontal Z-bars.

01 55 26 00-0220	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0221 Temporary Sign Posts For Detours *(01 55 26 00-0161)*

Note: Excludes sign.

01 55 26 00-0222 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0221)*

Note: Excludes digging and concrete.

01 55 26 00-0223 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0224	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	87.90	
01 55 26 00-0225	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	114.43	
01 55 26 00-0226	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	136.75	
01 55 26 00-0227	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	160.02	
01 55 26 00-0228	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	193.30	
01 55 26 00-0229	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	205.31	

01 55 26 00-0230 Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0231	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	93.89	
01 55 26 00-0232	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	123.93	
01 55 26 00-0233	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	158.25	
01 55 26 00-0234	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	183.78	
01 55 26 00-0235	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	210.60	
01 55 26 00-0236	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	220.36	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0237		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0222)*		
01 55 26 00-0238	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	86.49	
01 55 26 00-0239	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	111.35	
01 55 26 00-0240	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	133.04	
01 55 26 00-0241	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	155.60	
01 55 26 00-0242	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	185.28	
01 55 26 00-0243	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	200.56	
01 55 26 00-0244		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0221)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0245		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0244)*		
01 55 26 00-0246	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	124.91	
01 55 26 00-0247	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	148.49	
01 55 26 00-0248	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	175.07	
01 55 26 00-0249	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	223.60	
01 55 26 00-0250	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	242.37	
01 55 26 00-0251		Temporary Square Sign Posts For Detours *(01 55 26 00-0221)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0252		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0251)*		
01 55 26 00-0253	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	95.22	
01 55 26 00-0254	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	146.44	
01 55 26 00-0255	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	172.25	
01 55 26 00-0256	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	200.92	
01 55 26 00-0257	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	245.18	
01 55 26 00-0258	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	263.93	
01 55 26 00-0259		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0161)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0260		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0261		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0260)*		
01 55 26 00-0262	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	108.96	
01 55 26 00-0263	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	68.14	
01 55 26 00-0264		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0260)*		
01 55 26 00-0265	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.72	
01 55 26 00-0266		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0267		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0266)*		
01 55 26 00-0268	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	112.53	
01 55 26 00-0269	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	68.14	
01 55 26 00-0270		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0266)*		
01 55 26 00-0271	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.93	
01 55 26 00-0272		Temporary Driven Sign Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0273		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0274	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.64	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0275		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0276	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.82	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0277		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0259)*		
01 55 26 00-0278		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0277)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0279	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,221.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0280	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,302.22	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	892.73	
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	781.92	
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	886.60	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	843.50	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	792.41	
01 55 26 00-0286		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0277)*		
		Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	438.22	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	459.49	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	477.14	
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	724.50	
01 55 26 00-0291	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	63.61	
01 55 26 00-0292	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	84.83	
01 55 26 00-0293		Temporary Rumble Strips *(01 55 26)*		
		Note: Includes removal after use.		
01 55 26 00-0294	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	14.35	
01 55 26 00-0295	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.32	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)*		
		Note: Includes removal after use.		
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.41	
		Note: Includes removal after use.		
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.53	
		Note: Includes removal after use.		
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.70	
		Note: Includes removal after use.		
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.69	
		Note: Includes removal after use.		
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.49	
		Note: Includes removal after use.		
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.61	
		Note: Includes removal after use.		
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.78	
		Note: Includes removal after use.		
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.73	
		Note: Includes removal after use.		
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.95	
		Note: Includes removal after use.		
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors	0.52	
		Note: Includes removal after use.		
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls	0.64	
		Note: Includes removal after use.		
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.81	
		Note: Includes removal after use.		
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.76	
		Note: Includes removal after use.		
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.51	
		Note: Includes removal after use.		
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.63	
		Note: Includes removal after use.		
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.80	
		Note: Includes removal after use.		
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.75	
		Note: Includes removal after use.		
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.58	
		Note: Includes removal after use.		
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls	0.70	
		Note: Includes removal after use.		
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings	0.87	
		Note: Includes removal after use.		
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.82	
		Note: Includes removal after use.		
01 56 16 00-0023		Temporary Canvas For Protection *(01 56 16)*		
		Note: Includes removal after use.		
01 56 16 00-0024	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.09	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0025		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	26.35	
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	10.42	
01 56 16 00-0028		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	14.48	
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	21.96	
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	29.49	
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	45.91	
01 56 16 00-0033		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0034		**Temporary Stud Wall With Drywall** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035		**Temporary Stud Wall With Drywall** *(01 56 16 00-0034)*		
01 56 16 00-0036	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.63	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0037	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.63	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0038	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.76	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0039	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.60	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0040	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.60	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0041	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.86	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0042		**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0034)*		
01 56 16 00-0043	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.78	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0044	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.82	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0045	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0046	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.73	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0047	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.89	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0048	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.98	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0049	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.83	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0050	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	12.79	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0051		**Temporary Stud Wall With Oriented Strand Board (OSB)** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.45	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0053	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.51	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0054	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.65	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0055	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.73	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0056	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.25	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0057	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.35	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0058	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.65	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0059	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.81	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	

01 56 16 00-0060 Temporary Stud Wall With BC Plywood *(01 56 16 00-0033)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0061	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.81	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0062	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.00	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0063	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.18	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0064	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.34	
		For Metal Studs 24" On Center, Add/Deduct	*0.92*	
01 56 16 00-0065	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.96	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0066	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.34	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0067	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.70	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0068	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	12.01	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	

01 56 16 00-0069 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0033)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0070	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.33	
		For Metal Studs 24" On Center, Add/Deduct	*0.78*	
01 56 16 00-0071	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.42	
		For Metal Studs 24" On Center, Add/Deduct	*0.78*	
01 56 16 00-0072	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.44	
		For Metal Studs 24" On Center, Add/Deduct	*0.78*	
01 56 16 00-0073	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.43	
		For Metal Studs 24" On Center, Add/Deduct	*0.78*	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.51	
		For Metal Studs 24" On Center, Add/Deduct	*0.78*	

01 56 16 00-0075 Temporary Doors *(01 56 16 00-0033)*

Note: For temporary stud walls. Includes removal after use.

01 56 16 00-0076	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	698.72	

01 56 16 00-0077 Temporary Floor Protection *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0078	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.96	
01 56 16 00-0079	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0080	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.32	
01 56 16 00-0081	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.93	
01 56 16 00-0082	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.36	
01 56 16 00-0083	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.84	
01 56 16 00-0084	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.78	
01 56 16 00-0085	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.65	
		For Seam Tape, Add Per LF	*0.28*	
01 56 16 00-0086	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.76	
		For Seam Tape, Add Per LF	*0.28*	

01 56 16 00-0087 Sticky Mats *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0088	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	39.78	
		For 60 Layers Instead Of 30, Add	*26.24*	
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	45.61	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0090	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	45.61	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0091	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	60.19	
		For 60 Layers Instead Of 30, Add	*41.54*	
01 56 16 00-0092	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	66.02	
		For 60 Layers Instead Of 30, Add	*45.92*	
01 56 16 00-0093	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	71.85	
		For 60 Layers Instead Of 30, Add	*50.29*	
01 56 16 00-0094	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	144.73	
		For 60 Layers Instead Of 30, Add	*104.95*	
01 56 16 00-0095	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	172.71	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Per ASTM A392-06 Standards

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.47	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	8.33	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	11.53	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.04*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	25.66	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-3.09*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.84	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.73	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	12.21	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.14*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	27.71	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.39*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	8.25	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	9.19	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.99	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	29.97	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.73*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.68	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.66	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	13.81	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.38*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	32.46	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-4.11*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	303.29	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.44	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	575.39	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	654.63	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	784.79	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	872.81	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	324.39	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	553.79	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	621.92	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	719.86	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	870.53	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	986.31	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	362.01	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	633.67	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	709.30	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	811.43	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	991.69	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,148.30	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	439.15	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	761.12	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	853.63	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	975.14	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,192.06	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,374.10	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	314.86	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	531.42	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	595.95	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	677.75	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	813.06	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	903.64	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	336.48	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	572.59	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	643.41	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	744.04	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	900.08	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,018.55	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.30	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	654.36	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	732.94	
		For Shade Cloth, Add	*116.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	838.03	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,024.19	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,183.76	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0075		**10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	455.77	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	786.97	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	883.18	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,008.39	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,232.69	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,418.42	
		For Each LF Shade Cloth, Add	*307.57*	
01 56 26 00-0082		**Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0083		**4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	327.00	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	550.31	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.53	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	702.04	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	842.73	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	936.02	
		For Each LF Shade Cloth, Add	*103.60*	
01 56 26 00-0090		**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	349.18	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	592.33	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	665.97	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	769.42	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	931.11	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,052.39	
		For Each LF Shade Cloth, Add	*165.12*	
01 56 26 00-0097		**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	389.27	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	676.08	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	757.76	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	865.95	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,058.32	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,220.99	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0104		**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	473.23	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	814.12	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	914.21	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,043.29	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,275.35	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,464.96	
		For Each LF Shade Cloth, Add	*307.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	339.14	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	569.20	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	639.12	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	726.32	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	872.41	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	968.40	
		For Each LF Shade Cloth, Add	*103.60*	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	361.87	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	612.08	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	688.54	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	794.81	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	962.13	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,086.24	
		For Each LF Shade Cloth, Add	*165.12*	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	403.23	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	697.80	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	782.59	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	893.87	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,092.45	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,258.22	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	490.68	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	841.27	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	945.23	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,078.20	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,318.02	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,511.50	
		For Each LF Shade Cloth, Add	*307.57*	
01 56 26 00-0140		Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141		Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	8.18	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	9.10	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	12.46	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
		For Each LF Shade Cloth, Add	*3.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0145		**Temporary Chain Link Fence Panels (Portable), >6 To 12 Months** *(01 56 26 00-0140)*		
01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.56	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.50	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	13.14	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.28*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0149		**Temporary Chain Link Fence Panels (Portable), >12 To 18 Months** *(01 56 26 00-0140)*		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.93	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.97	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.86*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.92	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.40*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0153		**Temporary Chain Link Fence Panels (Portable), >18 Months** *(01 56 26 00-0140)*		
01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	9.39	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	10.44	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	14.72	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.52*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0157		**Temporary Chain Link Fence Panels (Portable) Sandbags** *(01 56 26 00-0140)*		
01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	7.31	
01 56 26 00-0159		**Relocate Chain Link Fence, Gates And Panels** *(01 56 26 00-0001)* Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160		**Relocate Temporary Chain Link Fence On Site** *(01 56 26 00-0159)*		
01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	4.26	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	6.38	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	9.22	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	11.35	
01 56 26 00-0165		**Relocate Temporary Chain Link Fence Panels On Site** *(01 56 26 00-0159)*		
01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.96	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.16	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.30	
01 56 26 00-0169		**Relocate Temporary Chain Link Gates On Site** *(01 56 26 00-0159)*		
01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	124.86	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	144.07	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	177.68	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	192.09	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0174		Temporary Safety Fence *(01 56 26)*		
		Note: Includes removal after use.		
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.69	
01 56 29		**Temporary Protective Walkways** *(01 56)*		
01 56 29 00-0001		Temporary Sidewalk Bridge Protection *(01 56 29)*		
01 56 29 00-0002		Installation of Sidewalk Bridge *(01 56 29 00-0001)*		
		Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	204.58	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	5.22	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*		
		Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	15.89	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.38*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	17.89	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.68*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.98*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.98*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	21.84	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.28*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	25.86	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.88*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	23.87	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.58*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.84	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.18*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.79	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.47*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.98	
01 56 29 00-0016		Removal of Sidewalk Bridge *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	42.58	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.44	
01 56 29 00-0019		Temporary Safety Nets *(01 56 29)*		
		Note: Includes removal after use.		
01 56 29 00-0020	SF	Small Mesh Debris Netting	3.01	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		Board-up Opening With Plywood *(01 56 33)*		
		Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	14.41	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.74	

01 56 33 00-0005 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.84	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	36.04	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	108.13	

01 56 39 Temporary Tree and Plant Protection *(01 56)*

01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	210.81	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	250.39	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	272.21	

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	115.74	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	113.56	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	144.28	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	142.07	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	175.00	

01 57 26 Site Watering for Dust Control *(01 57)*

01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*

See CSI section 31 23 23 23-0001 for water and water truck.

01 57 26 00-0002	MSF	Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) Note: GTL (Gas-to-Liquid)	110.17	
01 57 26 00-0003	MSF	Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	45.48	
01 57 26 00-0004	MSF	Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	68.39	
01 57 26 00-0005	MSF	Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	114.19	
01 57 26 00-0006	MSF	Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	160.00	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	167.11	26.42
		For High-Intensity Grade, Add	*39.99*	
		For Diamond Grade, Add	*77.13*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	283.79	27.62
		For High-Intensity Grade, Add	*79.99*	
		For Diamond Grade, Add	*154.27*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	400.45	28.82
		For High-Intensity Grade, Add	*119.99*	
		For Diamond Grade, Add	*231.40*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	517.13	30.02
		For High-Intensity Grade, Add	*159.99*	
		For Diamond Grade, Add	*308.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	16.20	0.96
		For High-Intensity Grade, Add	*5.00*	
		For Diamond Grade, Add	*9.64*	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	214.93	26.42
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	256.01	27.62
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	320.10	28.82
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	380.63	30.02
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.94	0.96

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	219.49	26.42
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	280.61	27.62
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	345.10	28.82
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	402.06	30.02
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.61	0.96

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	20.64
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	15.60
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	18.67

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	96.06

01 60 Product Requirements *(01)*

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	18.47
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.01

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.51

01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	18.47
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.01

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.51

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.20

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	534.49	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,652.11	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	570.12	
		For >30 To 60 Miles Radius, Add	*142.53*	
		For >60 To 100 Miles Radius, Add	*228.05*	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	926.44	
		For >30 To 60 Miles Radius, Add	*231.61*	
		For >60 To 100 Miles Radius, Add	*370.58*	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,282.76	
		For >30 To 60 Miles Radius, Add	*320.69*	
		For >60 To 100 Miles Radius, Add	*513.10*	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,066.66	
		For >30 To 60 Miles Radius, Add	*516.67*	
		For >60 To 100 Miles Radius, Add	*826.66*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,594.02	
		For >30 To 60 Miles Radius, Add	*648.51*	
		For >60 To 100 Miles Radius, Add	*1,037.61*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,228.27	
		For >30 To 60 Miles Radius, Add	*807.07*	
		For >60 To 100 Miles Radius, Add	*1,291.31*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,720.00	
		For >30 To 60 Miles Radius, Add	*930.00*	
		For >60 To 100 Miles Radius, Add	*1,488.00*	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	4,161.84	
		For >30 To 60 Miles Radius, Add	*1,040.46*	
		For >60 To 100 Miles Radius, Add	*1,664.74*	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,209.20	
		For >30 To 60 Miles Radius, Add	*552.30*	
		For >60 To 100 Miles Radius, Add	*883.68*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,491.95	
		For >30 To 60 Miles Radius, Add	*872.99*	
		For >60 To 100 Miles Radius, Add	*1,396.78*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,418.39	
		For >30 To 60 Miles Radius, Add	*1,104.60*	
		For >60 To 100 Miles Radius, Add	*1,767.36*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,487.36	
		For >30 To 60 Miles Radius, Add	*1,371.84*	
		For >60 To 100 Miles Radius, Add	*2,194.94*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,841.39	
		For >30 To 60 Miles Radius, Add	*1,710.35*	
		For >60 To 100 Miles Radius, Add	*2,736.56*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,981.61	
		For >30 To 60 Miles Radius, Add	*1,995.40*	
		For >60 To 100 Miles Radius, Add	*3,192.64*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	11,402.30	
		For >30 To 60 Miles Radius, Add	*2,850.58*	
		For >60 To 100 Miles Radius, Add	*4,560.92*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	15,635.41	
		For >30 To 60 Miles Radius, Add	*3,908.85*	
		For >60 To 100 Miles Radius, Add	*6,254.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,364.79	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,810.98	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,474.10	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	8,220.90	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings)	10,288.28	

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	3.04	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.51	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	4.11	

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	214.36	
		For Owner Furnished Monument, Deduct		*-85.62*
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	320.90	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	165.46	
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade	256.86	

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.33	

01 71 23 16-0018 Utility Survey *(01 71 23 16)*

Note: This survey is only for the location of underground utilities.

01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	7,008.47	

01 71 23 16-0020 Drone Survey (Extreme Aerial Productions) *(01 71 23 16)*

Note: Thermographic services to electrical line grid inspections.

01 71 23 16-0021 Mobilization For Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0022	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	276.92	
01 71 23 16-0023	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	692.29	
01 71 23 16-0024	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	184.61	
01 71 23 16-0025	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection	369.22	
01 71 23 16-0026	EA	Mobilization For Drone Survey Stockpile	184.61	
01 71 23 16-0027	EA	Mobilization For Drone Inspection	184.61	
01 71 23 16-0028	EA	Mobilization For Qualitative Drone Thermal Inspection	369.22	
01 71 23 16-0029	EA	Mobilization For Quantitative Drone Thermal Inspection	461.52	
01 71 23 16-0030	EA	Mobilization For Drone Agricultural Multispectral Survey	738.44	
01 71 23 16-0031	EA	Mobilization For Drone Building Inspection/Scan/Thermal	553.83	
01 71 23 16-0032	EA	Mobilization For Drone 3D Modelling	461.52	
01 71 23 16-0033	EA	Mobilization For Drone Spraying Crops Or Sanitation	830.74	
01 71 23 16-0034	EA	Mobilization For Drone Video Progression/Marketing	184.61	
01 71 23 16-0035	EA	Mobilization For Drone Pictures Progression/Marketing	184.61	
01 71 23 16-0036	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	184.61	
01 71 23 16-0037	EA	Mobilization For Drone Accident Reconstruction	184.61	
01 71 23 16-0038	EA	Mobilization For Drone Landfill Survey	276.92	
01 71 23 16-0039	EA	Mobilization For Drone Event Security Using Tethered Drones	369.22	
01 71 23 16-0040	EA	Mobilization For Drone Emergency Response	923.05	
01 71 23 16-0041	EA	Mobilization For Drone Cell Tower Inspection	276.92	

01 71 23 16-0042 Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0043	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing Note: 3 hour minimum	673.83	
		For Visual Observation, Add		*184.61*
		For Additional Manpower, Add		*184.61*
01 71 23 16-0044	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	858.44	
		For Visual Observation, Add		*276.92*
		For Additional Manpower, Add		*221.53*
01 71 23 16-0045	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter Note: 3 hour minimum	553.83	
		For Visual Observation, Add		*184.61*
		For Additional Manpower, Add		*184.61*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0046	HR	Drone Road Survey For Topography/Progression/Inspection Note: 3 hour minimum	646.14	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0047	HR	Drone Survey Stockpile Note: 3 hour minimum	461.52	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0048	HR	Drone Inspection Note: 3 hour minimum	646.14	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0049	HR	Qualitative Drone Thermal Inspection Note: 5 hour minimum	738.44	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0050	HR	Quantitative Drone Thermal Inspection Note: 5 hour minimum	1,107.66	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0051	HR	Drone Agricultural Multispectral Survey Note: 6 hour minimum	830.74	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0052	HR	Drone Building Inspection/Scan/Thermal Note: 3 hour minimum	738.44	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0053	HR	Drone 3D Modelling Note: 3 hour minimum	553.83	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0054	HR	Drone Spraying Crops Or Sanitation Note: 3 hour minimum	738.44	
		For Visual Observation, Add	*230.76*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0055	HR	Drone Video Progression/Marketing Note: 2 hour minimum	369.22	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0056	HR	Drone Pictures Progression/Marketing Note: 2 hour minimum	276.92	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0057	HR	Drone Training, Flying, Test Prep, Equipment Checks Note: 3 hour minimum	553.83	
01 71 23 16-0058	HR	Drone Accident Reconstruction Note: 2 hour minimum	830.74	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0059	HR	Drone Landfill Survey Note: 3 hour minimum	673.83	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0060	HR	Drone Event Security Using Tethered Drones Note: 3 hour minimum	461.52	
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0061	HR	Drone Emergency Response Note: 3 hour minimum	461.52	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0062	HR	Drone Cell Tower Inspection Note: 3 hour minimum	461.52	
		For Visual Observation, Add	*230.76*	
		For Additional Manpower, Add	*184.61*	

01 71 23 16-0063 Utilization And Deliverables For Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0064	Day	Utilization Of GPS Ground Control For Drone Surveying	461.52
01 71 23 16-0065	Day	Utilization Of GPS Base Station Per Day For Drone Surveying	461.52
01 71 23 16-0066	HR	Processing And Data Deliverables And Reporting For Drone Surveying Note: 2 hour minimum	184.61
01 71 23 16-0067	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying Note: 3 hour minimum	369.22

01 71 23 16-0068 Travel, Waivers, And Editing For Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0069	MI	Travel Over 100 Miles For Drone Surveying Note: For additional miles over 100	1.06
01 71 23 16-0070	EA	Overnight Stay Per Person For Drone Surveying	230.76
01 71 23 16-0071	EA	Waiver Utilization B, C, D, And E For Drone Surveying Note: Restricted airspace	92.30
01 71 23 16-0072	EA	Night Waiver For Drone Surveying	120.00
01 71 23 16-0073	EA	Flying Over People Waiver For Drone Surveying	184.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0074	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying	923.05	
01 71 23 16-0075	HR	Editing Video For Drone Surveying Note: 2 hour minimum	184.61	
01 71 23 16-0076	HR	Editing Pictures For Drone Surveying Note: 2 hour minimum	92.30	
01 71 23 16-0077	HR	Custom Post Processing For Drone Surveying Note: 3 hour minimum	276.92	
01 71 23 16-0078		GPR Bridge Deck And Pavement Inspection *(01 71 23 16)*		
01 71 23 16-0079		GPR Bridge Deck And Pavement Inspection Mobilization Fee *(01 71 23 16-0078)* Note: One mobilization per project.		
01 71 23 16-0080	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee	4,256.03	
01 71 23 16-0081		Bridge Deck Delamination Survey, GPR Bridge Deck Inspection *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0082	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,090.15	
01 71 23 16-0083	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.30	
01 71 23 16-0084	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.03	
01 71 23 16-0085	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.82	
01 71 23 16-0086	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.62	
01 71 23 16-0087	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.49	
01 71 23 16-0088	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.39	
01 71 23 16-0089	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0090		Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0091	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0092	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0093		Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0094	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0095	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.47	
01 71 23 16-0096	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.37	
01 71 23 16-0097	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0098	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.23	
01 71 23 16-0099	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.19	
01 71 23 16-0100	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0101	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0102		Pavement Structure And Thickness Measurement, GPR Pavement Inspection *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0103	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,659.45	
01 71 23 16-0104	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,339.42	
01 71 23 16-0105	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,486.54	
01 71 23 16-0106	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,357.61	
01 71 23 16-0107	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,067.13	
01 71 23 16-0108		Pavement Thickness Contour (Mapping), GPR Pavement Inspection *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0109	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,746.33	
01 71 23 16-0110	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,583.72	
01 71 23 16-0111	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,481.57	
01 71 23 16-0112	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,950.91	
01 71 23 16-0113	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,543.01	
01 71 23 16-0114		Pavement Void Detection (Mapping), GPR Pavement Inspection *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0115	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	11,573.64	
01 71 23 16-0116	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,671.46	
01 71 23 16-0117	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,350.93	
01 71 23 16-0118	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,470.06	
01 71 23 16-0119	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,957.10	

01 71 36 Non-Destructive Concrete Examination *(01 71)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0001		**Electromagnetic Survey** *(01 71 36)* Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002		**Electromagnetic (SIR/GPR) Survey** *(01 71 36 00-0001)*		
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,191.54	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,787.31	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,574.62	
01 71 36 00-0006		**Reports And Mapping For Electromagnetic (SIR/GPR) Surveys** *(01 71 36 00-0001)*		
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	397.18	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	794.36	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,787.31	

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001		**General** *(01 74 13)*		
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	19.21	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	28.22	
01 74 13 00-0004	CSF	Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process) Note: For use in contained areas for Class III or IV infection control.	24.19	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001		**Parking Lot, Roads And Pathway Maintenance** *(01 74 16)* Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.		
01 74 16 00-0002		**Parking Lot, Road, And Street Sweeping** *(01 74 16 00-0001)*		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	26.31	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	31.58	
01 74 16 00-0005		**Runway Sweeping** *(01 74 16 00-0001)*		
01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	39.47	

01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001		**Debris Chutes** *(01 74 19)* Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		**Steel Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	46.16	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	69.79	
01 74 19 00-0005		**Plastic Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	18.27	
		For Steel Liner, Add	*3.57*	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.95	
		For Steel Liner, Add	*4.09*	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	23.61	
		For Steel Liner, Add	*4.61*	
01 74 19 00-0009		**Wood Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	35.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	534.09	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	573.34	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	617.85	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	701.33	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	896.35	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	786.23	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	857.94	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	921.96	
01 74 19 00-0020		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	531.71	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	638.06	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	656.49	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,422.40	
01 74 19 00-0025		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0026		**Material Recycling Fees** *(01 74 19 00-0025)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	18.76	
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	25.13	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	37.70	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	32.67	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	36.44	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	17.59	
01 74 19 00-0033		**Landfill Dump Fees** *(01 74 19 00-0025)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0039 for hauling.		
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	16.72	
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	72.88	
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	20.13	
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	48.00	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	34.11	
01 74 19 00-0039		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles	1.07	
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.72	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles	1.66	
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		Cleaning Of Glass *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	32.78	

END OF SECTION 01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,333.05

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	40.15

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	102.18
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	174.75

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing	108.19
		Note: Includes sampling.	
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	10.19

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing	139.87
		Note: Includes sampling.	
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.71

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	77.74
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	90.69
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	120.93

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	213.44
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	384.19

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	57.38
02 32 13 00-0024	EA	Penetration Test	46.75

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	10.88

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1538 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0039 for hauling excavated soil from site.

02 32 19 00-0002	EA	Minimum Charge For Hydro Excavation	1,673.63
		Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day	956.36
		Note: Includes initial water.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	1,195.45	
02 32 19 00-0005	EA	Move And Set-up At Different Access/Location, Hydro Excavation	119.54	
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	99.70	
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	159.48	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	8.29
		For >500 To 1,000, Deduct	*-0.83*
		For >1,000 To 2,500, Deduct	*-1.49*
		For >2,500 To 5,000, Deduct	*-2.16*
		For >5,000 To 10,000, Deduct	*-2.82*
		For >10,000, Deduct	*-3.48*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	12.42
		For >500 To 1,000, Deduct	*-1.24*
		For >1,000 To 2,500, Deduct	*-2.24*
		For >2,500 To 5,000, Deduct	*-3.23*
		For >5,000 To 10,000, Deduct	*-4.22*
		For >10,000, Deduct	*-5.22*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	16.56
		For >500 To 1,000, Deduct	*-1.66*
		For >1,000 To 2,500, Deduct	*-2.98*
		For >2,500 To 5,000, Deduct	*-4.31*
		For >5,000 To 10,000, Deduct	*-5.63*
		For >10,000, Deduct	*-6.96*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	15.65
		For >500 To 1,000, Deduct	*-1.57*
		For >1,000 To 2,500, Deduct	*-2.82*
		For >2,500 To 5,000, Deduct	*-4.07*
		For >5,000 To 10,000, Deduct	*-5.32*
		For >10,000, Deduct	*-6.57*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	22.09
		For >500 To 1,000, Deduct	*-2.21*
		For >1,000 To 2,500, Deduct	*-3.98*
		For >2,500 To 5,000, Deduct	*-5.74*
		For >5,000 To 10,000, Deduct	*-7.51*
		For >10,000, Deduct	*-9.28*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	31.30
		For >500 To 1,000, Deduct	*-3.13*
		For >1,000 To 2,500, Deduct	*-5.63*
		For >2,500 To 5,000, Deduct	*-8.14*
		For >5,000 To 10,000, Deduct	*-10.64*
		For >10,000, Deduct	*-13.15*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	44.18
		For >500 To 1,000, Deduct	*-4.42*
		For >1,000 To 2,500, Deduct	*-7.95*
		For >2,500 To 5,000, Deduct	*-11.49*
		For >5,000 To 10,000, Deduct	*-15.02*
		For >10,000, Deduct	*-18.56*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	57.78
		For >500 To 1,000, Deduct	*-5.78*
		For >1,000 To 2,500, Deduct	*-10.40*
		For >2,500 To 5,000, Deduct	*-15.02*
		For >5,000 To 10,000, Deduct	*-19.65*
		For >10,000, Deduct	*-24.27*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	75.12
		For >500 To 1,000, Deduct	*-7.51*
		For >1,000 To 2,500, Deduct	*-13.52*
		For >2,500 To 5,000, Deduct	*-19.53*
		For >5,000 To 10,000, Deduct	*-25.54*
		For >10,000, Deduct	*-31.55*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	2.00	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.55	
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.37	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.52	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.19	
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	4.21	

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	17.47	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*5.24*
		For Elevated Slab, Add		*8.74*
		For >500 To 1,000, Deduct		*-1.75*
		For >1,000 To 2,500, Deduct		*-3.14*
		For >2,500 To 5,000, Deduct		*-4.54*
		For >5,000 To 10,000, Deduct		*-5.94*
		For >10,000, Deduct		*-7.34*
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	23.84	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*7.15*
		For Elevated Slab, Add		*11.92*
		For >500 To 1,000, Deduct		*-2.38*
		For >1,000 To 2,500, Deduct		*-4.29*
		For >2,500 To 5,000, Deduct		*-6.20*
		For >5,000 To 10,000, Deduct		*-8.11*
		For >10,000, Deduct		*-10.01*
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	33.08	
		For Elevated Slab, Add		*16.54*
		For >500 To 1,000, Deduct		*-3.31*
		For >1,000 To 2,500, Deduct		*-5.95*
		For >2,500 To 5,000, Deduct		*-8.60*
		For >5,000 To 10,000, Deduct		*-11.25*
		For >10,000, Deduct		*-13.89*
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	43.17	
		For Elevated Slab, Add		*21.59*
		For >500 To 1,000, Deduct		*-4.32*
		For >1,000 To 2,500, Deduct		*-7.77*
		For >2,500 To 5,000, Deduct		*-11.22*
		For >5,000 To 10,000, Deduct		*-14.68*
		For >10,000, Deduct		*-18.13*
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	60.09	
		For Elevated Slab, Add		*30.05*
		For >500 To 1,000, Deduct		*-6.01*
		For >1,000 To 2,500, Deduct		*-10.82*
		For >2,500 To 5,000, Deduct		*-15.62*
		For >5,000 To 10,000, Deduct		*-20.43*
		For >10,000, Deduct		*-25.24*
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	20.09	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*6.03*
		For Elevated Slab, Add		*10.05*
		For >500 To 1,000, Deduct		*-2.01*
		For >1,000 To 2,500, Deduct		*-3.62*
		For >2,500 To 5,000, Deduct		*-5.22*
		For >5,000 To 10,000, Deduct		*-6.83*
		For >10,000, Deduct		*-8.44*
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	26.29	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*7.89*
		For Elevated Slab, Add		*13.15*
		For >500 To 1,000, Deduct		*-2.63*
		For >1,000 To 2,500, Deduct		*-4.73*
		For >2,500 To 5,000, Deduct		*-6.84*
		For >5,000 To 10,000, Deduct		*-8.94*
		For >10,000, Deduct		*-11.04*
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	46.95	
		For Elevated Slab, Add		*23.48*
		For >500 To 1,000, Deduct		*-4.70*
		For >1,000 To 2,500, Deduct		*-8.45*
		For >2,500 To 5,000, Deduct		*-12.21*
		For >5,000 To 10,000, Deduct		*-15.96*
		For >10,000, Deduct		*-19.72*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	61.33	
		For Elevated Slab, Add	*30.67*	
		For >500 To 1,000, Deduct	*-6.13*	
		For >1,000 To 2,500, Deduct	*-11.04*	
		For >2,500 To 5,000, Deduct	*-15.95*	
		For >5,000 To 10,000, Deduct	*-20.85*	
		For >10,000, Deduct	*-25.76*	
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	26.66	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*8.00*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*13.33*	
		For >500 To 1,000, Deduct	*-2.67*	
		For >1,000 To 2,500, Deduct	*-4.80*	
		For >2,500 To 5,000, Deduct	*-6.93*	
		For >5,000 To 10,000, Deduct	*-9.06*	
		For >10,000, Deduct	*-11.20*	
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	34.55	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*10.37*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*17.28*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000 To 2,500, Deduct	*-6.22*	
		For >2,500 To 5,000, Deduct	*-8.98*	
		For >5,000 To 10,000, Deduct	*-11.75*	
		For >10,000, Deduct	*-14.51*	
02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	57.27	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*17.18*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*28.64*	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000 To 2,500, Deduct	*-10.31*	
		For >2,500 To 5,000, Deduct	*-14.89*	
		For >5,000 To 10,000, Deduct	*-19.47*	
		For >10,000, Deduct	*-24.05*	
02 41 13 13-0031	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	28.92	
		For Elevated Slab, Add	*14.46*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000 To 2,500, Deduct	*-5.21*	
		For >2,500 To 5,000, Deduct	*-7.52*	
		For >5,000 To 10,000, Deduct	*-9.83*	
		For >10,000, Deduct	*-12.15*	
02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	37.18	
		For Elevated Slab, Add	*18.59*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000 To 2,500, Deduct	*-6.69*	
		For >2,500 To 5,000, Deduct	*-9.67*	
		For >5,000 To 10,000, Deduct	*-12.64*	
		For >10,000, Deduct	*-15.62*	
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	66.47	
		For Elevated Slab, Add	*33.24*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000 To 2,500, Deduct	*-11.96*	
		For >2,500 To 5,000, Deduct	*-17.28*	
		For >5,000 To 10,000, Deduct	*-22.60*	
		For >10,000, Deduct	*-27.92*	
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	86.76	
		For Elevated Slab, Add	*43.38*	
		For >500 To 1,000, Deduct	*-8.68*	
		For >1,000 To 2,500, Deduct	*-15.62*	
		For >2,500 To 5,000, Deduct	*-22.56*	
		For >5,000 To 10,000, Deduct	*-29.50*	
		For >10,000, Deduct	*-36.44*	
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	113.42	
		For Elevated Slab, Add	*56.71*	
		For >500 To 1,000, Deduct	*-11.34*	
		For >1,000 To 2,500, Deduct	*-20.42*	
		For >2,500 To 5,000, Deduct	*-29.49*	
		For >5,000 To 10,000, Deduct	*-38.56*	
		For >10,000, Deduct	*-47.64*	
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	137.65	
		For Elevated Slab, Add	*68.83*	
		For >500 To 1,000, Deduct	*-13.77*	
		For >1,000 To 2,500, Deduct	*-24.78*	
		For >2,500 To 5,000, Deduct	*-35.79*	
		For >5,000 To 10,000, Deduct	*-46.80*	
		For >10,000, Deduct	*-57.81*	

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.48	
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.89	
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		5.60
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		7.74
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving		9.90
02 41 13 13-0044	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		7.84
02 41 13 13-0045	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		10.82
02 41 13 13-0046	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		13.87

02 41 13 13-0047 Grind Concrete *(02 41 13 13)*

02 41 13 13-0048	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.		281.52
		For >1/2" To 1" Depth Of Grinding, Add		*42.23*
		For >1" To 1-1/2" Depth Of Grinding, Add		*70.38*
		For Up To 5, Add		*56.30*
		For >5 To 10, Add		*28.15*
		For >25 To 50, Deduct		*-28.15*
		For >50 To 250, Deduct		*-42.23*
		For >250, Deduct		*-56.30*
		For Sidewalks >5', Add		*28.15*
		For Up To 12" Additional Feathering Per Side, Add		*28.15*

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		8.57
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		10.71
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		14.33
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		28.52

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		8.89
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		13.43
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		10.99
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		9.77

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		82.96
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.22*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.44*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.67*
		For Up To 500, Add		*24.89*
		For >500 To 1,000, Add		*16.59*
		For >1,000 To 2,000, Add		*8.30*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.38*
		For No Interior Partitions, Deduct		*-20.74*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		52.57
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.94*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.89*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-11.83*
		For Up To 500, Add		*15.77*
		For >500 To 1,000, Add		*10.51*
		For >1,000 To 2,000, Add		*5.26*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.89*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*13.14*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*18.40*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*17.35*
		For No Interior Partitions, Deduct		*-13.14*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		104.10
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.81*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-15.62*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-23.42*
		For Up To 500, Add		*31.23*
		For >500 To 1,000, Add		*20.82*
		For >1,000 To 2,000, Add		*10.41*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*34.35*
		For No Interior Partitions, Deduct		*-26.03*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		69.42
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.21*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.41*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.62*
		For Up To 500, Add		*20.83*
		For >500 To 1,000, Add		*13.88*
		For >1,000 To 2,000, Add		*6.94*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*10.41*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*17.36*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*24.30*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.91*
		For No Interior Partitions, Deduct		*-17.36*

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition		88.63
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.65*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-13.29*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-19.94*
		For Up To 500, Add		*26.59*
		For >500 To 1,000, Add		*17.73*
		For >1,000 To 2,000, Add		*8.86*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*29.25*
		For No Interior Partitions, Deduct		*-22.16*
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition		58.29
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.37*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.74*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-13.12*
		For Up To 500, Add		*17.49*
		For >500 To 1,000, Add		*11.66*
		For >1,000 To 2,000, Add		*5.83*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*8.74*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*14.57*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*20.40*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*19.24*
		For No Interior Partitions, Deduct		*-14.57*

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		73.16
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.49*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.97*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-16.46*
		For Up To 500, Add		*21.95*
		For >500 To 1,000, Add		*14.63*
		For >1,000 To 2,000, Add		*7.32*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*24.14*
		For No Interior Partitions, Deduct		*-18.29*
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition		47.17
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.54*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.08*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-10.61*
		For Up To 500, Add		*14.15*
		For >500 To 1,000, Add		*9.43*
		For >1,000 To 2,000, Add		*4.72*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.08*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*11.79*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*16.51*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*15.57*
		For No Interior Partitions, Deduct		*-11.79*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019		**Wood Frame Construction Building Demolition** *(02 41 16 13-0006)*		
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	63.58	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.77*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-9.54*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-14.31*	
		For Up To 500, Add	*19.07*	
		For >500 To 1,000, Add	*12.72*	
		For >1,000 To 2,000, Add	*6.36*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*20.98*	
		For No Interior Partitions, Deduct	*-15.90*	
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	40.36	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.03*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.05*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.08*	
		For Up To 500, Add	*12.11*	
		For >500 To 1,000, Add	*8.07*	
		For >1,000 To 2,000, Add	*4.04*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*6.05*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*13.32*	
		For No Interior Partitions, Deduct	*-10.09*	
02 41 16 13-0022		**Sorting Of Material Debris For Recycling Prior To Hauling Off** *(02 41 16 13-0006)*		
		Note: Per building volume.		
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.55	
		For Up To 500, Add	*3.17*	
		For >500 To 1,000, Add	*2.11*	
		For >1,000 To 2,000, Add	*1.06*	
02 41 16 13-0024		**Foundation Demolition** *(02 41 16 13)*		
		Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0025		**Concrete Foundation Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	16.77	
		For >135 To 405, Deduct	*-1.47*	
		For >405 To 810, Deduct	*-2.93*	
		For >810 To 2025, Deduct	*-4.19*	
		For >2025, Deduct	*-6.71*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	20.11	
		For >135 To 405, Deduct	*-1.76*	
		For >405 To 810, Deduct	*-3.52*	
		For >810 To 2025, Deduct	*-5.03*	
		For >2025, Deduct	*-8.04*	
02 41 16 13-0028		**Concrete Foundation Wall Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	7.18	
		For >500 To 2,000, Deduct	*-0.54*	
		For >2,000 To 6,000, Deduct	*-1.44*	
		For >6,000 To 8,000, Deduct	*-2.51*	
		For >8,000, Deduct	*-3.95*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.58	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000 To 6,000, Deduct	*-1.92*	
		For >6,000 To 8,000, Deduct	*-3.35*	
		For >8,000, Deduct	*-5.27*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.97	
		For >500 To 2,000, Deduct	*-0.90*	
		For >2,000 To 6,000, Deduct	*-2.39*	
		For >6,000 To 8,000, Deduct	*-4.19*	
		For >8,000, Deduct	*-6.58*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	14.37	
		For >500 To 2,000, Deduct	*-1.08*	
		For >2,000 To 6,000, Deduct	*-2.87*	
		For >6,000 To 8,000, Deduct	*-5.03*	
		For >8,000, Deduct	*-7.90*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	16.77	
		For >500 To 2,000, Deduct	*-1.26*	
		For >2,000 To 6,000, Deduct	*-3.35*	
		For >6,000 To 8,000, Deduct	*-5.87*	
		For >8,000, Deduct	*-9.22*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	19.16	
		For >500 To 2,000, Deduct	*-1.44*	
		For >2,000 To 6,000, Deduct	*-3.83*	
		For >6,000 To 8,000, Deduct	*-6.71*	
		For >8,000, Deduct	*-10.54*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.62	
		For >500 To 2,000, Deduct	*-0.65*	
		For >2,000 To 6,000, Deduct	*-1.72*	
		For >6,000 To 8,000, Deduct	*-3.02*	
		For >8,000, Deduct	*-4.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	11.49	
		For >500 To 2,000, Deduct	*-0.86*	
		For >2,000 To 6,000, Deduct	*-2.30*	
		For >6,000 To 8,000, Deduct	*-4.02*	
		For >8,000, Deduct	*-6.32*	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	14.37	
		For >500 To 2,000, Deduct	*-1.08*	
		For >2,000 To 6,000, Deduct	*-2.87*	
		For >6,000 To 8,000, Deduct	*-5.03*	
		For >8,000, Deduct	*-7.90*	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	17.00	
		For >500 To 2,000, Deduct	*-1.28*	
		For >2,000 To 6,000, Deduct	*-3.40*	
		For >6,000 To 8,000, Deduct	*-5.95*	
		For >8,000, Deduct	*-9.35*	
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	20.11	
		For >500 To 2,000, Deduct	*-1.51*	
		For >2,000 To 6,000, Deduct	*-4.02*	
		For >6,000 To 8,000, Deduct	*-7.04*	
		For >8,000, Deduct	*-11.06*	
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	22.99	
		For >500 To 2,000, Deduct	*-1.72*	
		For >2,000 To 6,000, Deduct	*-4.60*	
		For >6,000 To 8,000, Deduct	*-8.05*	
		For >8,000, Deduct	*-12.64*	

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.27	
		For >500 To 2,000, Deduct	*-0.40*	
		For >2,000 To 6,000, Deduct	*-1.05*	
		For >6,000 To 8,000, Deduct	*-1.84*	
		For >8,000, Deduct	*-2.90*	
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.62	
		For >500 To 2,000, Deduct	*-0.42*	
		For >2,000 To 6,000, Deduct	*-1.12*	
		For >6,000 To 8,000, Deduct	*-1.97*	
		For >8,000, Deduct	*-3.09*	
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.35	
		For >500 To 2,000, Deduct	*-0.48*	
		For >2,000 To 6,000, Deduct	*-1.27*	
		For >6,000 To 8,000, Deduct	*-2.22*	
		For >8,000, Deduct	*-3.49*	
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.31	
		For >500 To 2,000, Deduct	*-0.55*	
		For >2,000 To 6,000, Deduct	*-1.46*	
		For >6,000 To 8,000, Deduct	*-2.56*	
		For >8,000, Deduct	*-4.02*	
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	8.14	
		For >500 To 2,000, Deduct	*-0.61*	
		For >2,000 To 6,000, Deduct	*-1.63*	
		For >6,000 To 8,000, Deduct	*-2.85*	
		For >8,000, Deduct	*-4.48*	
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	10.17	
		For >500 To 2,000, Deduct	*-0.76*	
		For >2,000 To 6,000, Deduct	*-2.03*	
		For >6,000 To 8,000, Deduct	*-3.56*	
		For >8,000, Deduct	*-5.59*	
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.33	
		For >500 To 2,000, Deduct	*-0.47*	
		For >2,000 To 6,000, Deduct	*-1.27*	
		For >6,000 To 8,000, Deduct	*-2.22*	
		For >8,000, Deduct	*-3.48*	
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.75	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000 To 6,000, Deduct	*-1.35*	
		For >6,000 To 8,000, Deduct	*-2.36*	
		For >8,000, Deduct	*-3.71*	
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.62	
		For >500 To 2,000, Deduct	*-0.57*	
		For >2,000 To 6,000, Deduct	*-1.52*	
		For >6,000 To 8,000, Deduct	*-2.67*	
		For >8,000, Deduct	*-4.19*	
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.77	
		For >500 To 2,000, Deduct	*-0.66*	
		For >2,000 To 6,000, Deduct	*-1.75*	
		For >6,000 To 8,000, Deduct	*-3.07*	
		For >8,000, Deduct	*-4.82*	
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.77	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000 To 6,000, Deduct	*-1.95*	
		For >6,000 To 8,000, Deduct	*-3.42*	
		For >8,000, Deduct	*-5.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition		12.22
		For >500 To 2,000, Deduct		*-0.92*
		For >2,000 To 6,000, Deduct		*-2.44*
		For >6,000 To 8,000, Deduct		*-4.28*
		For >8,000, Deduct		*-6.72*

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition		5.27
		For >500 To 2,000, Deduct		*-0.40*
		For >2,000 To 6,000, Deduct		*-1.05*
		For >6,000 To 8,000, Deduct		*-1.84*
		For >8,000, Deduct		*-2.90*
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition		5.62
		For >500 To 2,000, Deduct		*-0.42*
		For >2,000 To 6,000, Deduct		*-1.12*
		For >6,000 To 8,000, Deduct		*-1.97*
		For >8,000, Deduct		*-3.09*
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition		6.35
		For >500 To 2,000, Deduct		*-0.48*
		For >2,000 To 6,000, Deduct		*-1.27*
		For >6,000 To 8,000, Deduct		*-2.22*
		For >8,000, Deduct		*-3.49*
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition		7.31
		For >500 To 2,000, Deduct		*-0.55*
		For >2,000 To 6,000, Deduct		*-1.46*
		For >6,000 To 8,000, Deduct		*-2.56*
		For >8,000, Deduct		*-4.02*
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition		8.14
		For >500 To 2,000, Deduct		*-0.61*
		For >2,000 To 6,000, Deduct		*-1.63*
		For >6,000 To 8,000, Deduct		*-2.85*
		For >8,000, Deduct		*-4.48*
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition		10.17
		For >500 To 2,000, Deduct		*-0.76*
		For >2,000 To 6,000, Deduct		*-2.03*
		For >6,000 To 8,000, Deduct		*-3.56*
		For >8,000, Deduct		*-5.59*

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition		16.77
		For >135 To 405, Deduct		*-1.47*
		For >405 To 810, Deduct		*-2.93*
		For >810 To 2025, Deduct		*-4.19*
		For >2025, Deduct		*-6.71*

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.		17.68
		For >135 To 405, Deduct		*-1.55*
		For >405 To 810, Deduct		*-3.09*
		For >810 To 2025, Deduct		*-4.42*
		For >2025, Deduct		*-7.07*

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0002	EA	Minimum Charge For Saw Cut Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		1,222.33
02 41 19 13-0003	LF	Bituminous Paving Up To 4" Depth, Saw Cut		2.74
		For Each Additional Pass (Depth To 3"), Add		*1.05*
		For >250, Deduct		*-0.26*
02 41 19 13-0004	LF	Brick Masonry Up To 4" Depth, Saw Cut		10.08
		For Each Additional Pass (Depth To 3"), Add		*3.98*
		For >250, Deduct		*-0.99*
02 41 19 13-0005	LF	Concrete Block Up To 4" Depth, Saw Cut		9.12
		For Each Additional Pass (Depth To 3"), Add		*3.59*
		For >250, Deduct		*-0.89*
02 41 19 13-0006	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut		3.16
		For Each Additional Pass (Depth To 3"), Add		*1.20*
		For >250, Deduct		*-0.29*
02 41 19 13-0007	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut		4.15
		For Each Additional Pass (Depth To 3"), Add		*1.58*
		For >250, Deduct		*-0.39*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0008	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.78	
		For Each Additional Pass (Depth To 3"), Add	*2.63*	
		For >250, Deduct	*-0.65*	
02 41 19 13-0009	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.86	
		For Each Additional Pass (Depth To 3"), Add	*5.08*	
		For >250, Deduct	*-1.26*	
02 41 19 13-0010	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	17.28	
		For Each Additional Pass (Depth To 3"), Add	*6.83*	
		For >250, Deduct	*-1.70*	
02 41 19 13-0011	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.43	
		For Each Additional Pass (Depth To 3"), Add	*1.24*	
		For >250, Deduct	*-0.30*	
02 41 19 13-0012	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	9.16	
		For Each Additional Pass (Depth To 3"), Add	*3.60*	
		For >250, Deduct	*-0.89*	
02 41 19 13-0013	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	9.16	
		For Each Additional Pass (Depth To 3"), Add	*3.60*	
		For >250, Deduct	*-0.89*	
02 41 19 13-0014	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	9.16	
		For Each Additional Pass (Depth To 3"), Add	*3.60*	
		For >250, Deduct	*-0.89*	
02 41 19 13-0015	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	9.16	
		For Each Additional Pass (Depth To 3"), Add	*3.60*	
		For >250, Deduct	*-0.89*	

02 41 19 13-0016 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	3.33
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.68
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	10.00
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	13.34
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	16.68
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	20.01
02 41 19 13-0023	EA	Minimum Charge For Torch Cutting	1,088.18

Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0024 Drilling In Existing Materials *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and cleanup.

02 41 19 13-0025 Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	48.71	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	54.04	
		For Horizontal Cores, Add	*10.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.41*	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	60.01	
		For Horizontal Cores, Add	*11.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.80*	
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	85.67	
		For Horizontal Cores, Add	*16.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.99*	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	114.81	
		For Horizontal Cores, Add	*22.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.55*	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	128.64	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	205.57	
		For Horizontal Cores, Add	*40.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.58*	
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	257.14	
		For Horizontal Cores, Add	*50.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.97*	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	300.08	
		For Horizontal Cores, Add	*59.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*118.97*	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	343.03	
		For Horizontal Cores, Add	*67.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.95*	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	386.40	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	

02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	69.61	
		For Horizontal Cores, Add	*13.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	77.26	
		For Horizontal Cores, Add	*15.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.58*	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	85.76	
		For Horizontal Cores, Add	*16.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.98*	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	103.06	
		For Horizontal Cores, Add	*20.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.79*	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	128.90	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	171.75	
		For Horizontal Cores, Add	*33.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*67.98*	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	257.39	
		For Horizontal Cores, Add	*50.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.97*	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	300.74	
		For Horizontal Cores, Add	*59.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*118.97*	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	343.84	
		For Horizontal Cores, Add	*67.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.95*	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	387.16	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete	431.11	
		For Horizontal Cores, Add	*84.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*169.94*	

02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete	76.79	
		For Horizontal Cores, Add	*15.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.28*	
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	85.20	
		For Horizontal Cores, Add	*16.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.65*	
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete	94.55	
		For Horizontal Cores, Add	*18.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.39*	
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete	111.96	
		For Horizontal Cores, Add	*22.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.19*	
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete	146.40	
		For Horizontal Cores, Add	*28.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.78*	
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete	206.36	
		For Horizontal Cores, Add	*40.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.58*	
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete	343.16	
		For Horizontal Cores, Add	*67.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.95*	
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete	386.75	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete	430.14	
		For Horizontal Cores, Add	*84.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*169.94*	
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete	473.75	
		For Horizontal Cores, Add	*93.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*186.90*	
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete	518.29	
		For Horizontal Cores, Add	*101.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*203.94*	

02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete	90.84	
		For Horizontal Cores, Add	*17.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.79*	
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	100.79	
		For Horizontal Cores, Add	*19.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.77*	
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete	111.84	
		For Horizontal Cores, Add	*22.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.19*	
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete	129.34	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete	146.90	
		For Horizontal Cores, Add	*28.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0068	EA	Drill 6" Diameter Core In >8" To 10" Concrete	206.97	
		For Horizontal Cores, Add	*40.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.58*	
02 41 19 13-0069	EA	Drill 8" Diameter Core In >8" To 10" Concrete	343.99	
		For Horizontal Cores, Add	*67.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.95*	
02 41 19 13-0070	EA	Drill 10" Diameter Core In >8" To 10" Concrete	387.84	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	
02 41 19 13-0071	EA	Drill 12" Diameter Core In >8" To 10" Concrete	431.38	
		For Horizontal Cores, Add	*84.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*169.91*	
02 41 19 13-0072	EA	Drill 14" Diameter Core In >8" To 10" Concrete	475.41	
		For Horizontal Cores, Add	*93.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*186.90*	
02 41 19 13-0073	EA	Drill 18" Diameter Core In >8" To 10" Concrete	520.36	
		For Horizontal Cores, Add	*101.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*203.89*	

02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0075	EA	Drill 1" Diameter Core In >10" To 12" Concrete	98.02	
		For Horizontal Cores, Add	*19.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.55*	
02 41 19 13-0076	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	108.72	
		For Horizontal Cores, Add	*21.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.83*	
02 41 19 13-0077	EA	Drill 2" Diameter Core In >10" To 12" Concrete	120.62	
		For Horizontal Cores, Add	*23.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.59*	
02 41 19 13-0078	EA	Drill 3" Diameter Core In >10" To 12" Concrete	129.74	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0079	EA	Drill 4" Diameter Core In >10" To 12" Concrete	172.91	
		For Horizontal Cores, Add	*33.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*67.98*	
02 41 19 13-0080	EA	Drill 6" Diameter Core In >10" To 12" Concrete	224.59	
		For Horizontal Cores, Add	*44.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.38*	
02 41 19 13-0081	EA	Drill 8" Diameter Core In >10" To 12" Concrete	361.84	
		For Horizontal Cores, Add	*71.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*142.76*	
02 41 19 13-0082	EA	Drill 10" Diameter Core In >10" To 12" Concrete	388.94	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	449.81	
		For Horizontal Cores, Add	*88.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*176.76*	

02 41 19 13-0084 >12" Thick Concrete Core Drilling *(02 41 19 13-0025)*

02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	11.92	
		For Horizontal Cores, Add	*2.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.71*	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	13.23	
		For Horizontal Cores, Add	*2.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.24*	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	14.68	
		For Horizontal Cores, Add	*2.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.82*	
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	16.11	
		For Horizontal Cores, Add	*3.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.37*	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	21.49	
		For Horizontal Cores, Add	*4.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.50*	
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	27.93	
		For Horizontal Cores, Add	*5.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.05*	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	45.06	
		For Horizontal Cores, Add	*8.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.86*	
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	48.54	
		For Horizontal Cores, Add	*9.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.20*	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	55.93	
		For Horizontal Cores, Add	*11.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.11*	

02 41 19 13-0094 Brick/Concrete Block Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	39.07	
		For Horizontal Cores, Add	*7.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.42*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	43.34	
		For Horizontal Cores, Add	*8.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.13*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	48.11	
		For Horizontal Cores, Add	*9.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.04*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	68.68	
		For Horizontal Cores, Add	*13.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.19*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	92.03	
		For Horizontal Cores, Add	*18.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.44*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	103.15	
		For Horizontal Cores, Add	*20.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.79*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	164.78	
		For Horizontal Cores, Add	*32.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*65.26*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	206.15	
		For Horizontal Cores, Add	*40.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.58*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	240.59	
		For Horizontal Cores, Add	*47.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.18*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	275.06	
		For Horizontal Cores, Add	*54.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.76*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	309.94	
		For Horizontal Cores, Add	*61.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.35*	

02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	55.85	
		For Horizontal Cores, Add	*11.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.02*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	61.97	
		For Horizontal Cores, Add	*12.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.47*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	68.76	
		For Horizontal Cores, Add	*13.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.18*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	82.67	
		For Horizontal Cores, Add	*16.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.63*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	103.41	
		For Horizontal Cores, Add	*20.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.79*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	137.76	
		For Horizontal Cores, Add	*27.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.38*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	206.40	
		For Horizontal Cores, Add	*40.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*81.58*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	241.25	
		For Horizontal Cores, Add	*47.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.18*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	275.87	
		For Horizontal Cores, Add	*54.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.76*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	310.70	
		For Horizontal Cores, Add	*61.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.35*	
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	346.14	
		For Horizontal Cores, Add	*67.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.96*	

02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	61.65	
		For Horizontal Cores, Add	*12.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.23*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	68.38	
		For Horizontal Cores, Add	*13.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.92*	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	75.86	
		For Horizontal Cores, Add	*14.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.91*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	89.87	
		For Horizontal Cores, Add	*17.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	117.51	
		For Horizontal Cores, Add	*23.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.22*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	165.57	
		For Horizontal Cores, Add	*32.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*65.26*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	275.19	
		For Horizontal Cores, Add	*54.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.76*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	310.29	
		For Horizontal Cores, Add	*61.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.35*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	345.17	
		For Horizontal Cores, Add	*67.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.96*	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	380.31	
		For Horizontal Cores, Add	*74.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.53*	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	416.32	
		For Horizontal Cores, Add	*81.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*163.15*	

02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	72.95	
		For Horizontal Cores, Add	*14.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.63*	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	80.90	
		For Horizontal Cores, Add	*15.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.81*	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	89.74	
		For Horizontal Cores, Add	*17.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.35*	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	103.85	
		For Horizontal Cores, Add	*20.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.79*	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	118.01	
		For Horizontal Cores, Add	*23.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.22*	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	166.18	
		For Horizontal Cores, Add	*32.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*65.26*	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	276.02	
		For Horizontal Cores, Add	*54.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.76*	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	311.38	
		For Horizontal Cores, Add	*61.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.35*	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	346.42	
		For Horizontal Cores, Add	*67.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.93*	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	381.97	
		For Horizontal Cores, Add	*74.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.53*	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	418.42	
		For Horizontal Cores, Add	*81.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*163.12*	

02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	78.74	
		For Horizontal Cores, Add	*15.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.84*	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	87.31	
		For Horizontal Cores, Add	*17.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.26*	
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	96.82	
		For Horizontal Cores, Add	*19.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.07*	
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	104.25	
		For Horizontal Cores, Add	*20.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.79*	
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	138.92	
		For Horizontal Cores, Add	*27.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.38*	
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	180.40	
		For Horizontal Cores, Add	*35.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*70.70*	
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	290.46	
		For Horizontal Cores, Add	*57.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.20*	
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	312.48	
		For Horizontal Cores, Add	*61.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*122.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	361.42	
		For Horizontal Cores, Add	*70.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.40*	

02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0094)*

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	9.56	
		For Horizontal Cores, Add	*1.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.77*	
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	10.61	
		For Horizontal Cores, Add	*2.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.19*	
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.77	
		For Horizontal Cores, Add	*2.33*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.65*	
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.93	
		For Horizontal Cores, Add	*2.55*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.10*	
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	17.24	
		For Horizontal Cores, Add	*3.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.80*	
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	22.40	
		For Horizontal Cores, Add	*4.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.84*	
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	36.13	
		For Horizontal Cores, Add	*7.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.29*	
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	38.95	
		For Horizontal Cores, Add	*7.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.36*	
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	44.88	
		For Horizontal Cores, Add	*8.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.69*	

02 41 19 13-0163 Asphalt Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	23.37
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	29.22
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	36.52
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	45.30
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	57.01
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	71.63
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	89.21
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	111.11
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	138.85

02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	29.21
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	37.97
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	46.73
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	58.43
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	73.05
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	92.05
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	114.02
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	143.20
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	178.23

02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	37.98
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	48.21
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	59.90
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	74.53
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	93.56
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	116.94
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	146.26
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	182.75
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	228.01

02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0163)*

02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	49.70
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	61.42
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	76.02
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	96.55
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	119.98
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	149.26
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	187.40
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	234.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	292.59	
02 41 19 13-0204		**Manhole Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole	255.91	
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole	292.45	
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole	341.08	
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole	511.49	
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole	342.88	
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole	365.10	
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole	401.92	
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole	431.24	
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole	511.46	
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole	730.51	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole	34.02	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole	39.26	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole	42.54	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole	46.41	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole	51.05	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole	56.73	
02 41 19 13-0221		**Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.32	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.45	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.59	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.78	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.96	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.24	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.51	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.68	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.35	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.08	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.35	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.62	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	5.12	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	5.96	
02 41 19 13-0236		**Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.93	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.04	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.15	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.32	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.46	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.71	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.92	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.08	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.24	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.41	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.63	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.85	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.30	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.98	
02 41 19 13-0251		**Drilling In Wood Or Plastic Per Inch Of Depth** *(02 41 19 13-0024)*		
		Note: Includes layout.		
02 41 19 13-0252	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.96	
02 41 19 13-0253	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.02	
02 41 19 13-0254	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.08	
02 41 19 13-0255	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.15	
02 41 19 13-0256	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.22	
02 41 19 13-0257	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.34	
02 41 19 13-0258	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.46	
02 41 19 13-0259	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.54	
02 41 19 13-0260	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.61	
02 41 19 13-0261	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.69	
02 41 19 13-0262	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.81	
02 41 19 13-0263	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.92	
02 41 19 13-0264	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.13	
02 41 19 13-0265	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.48	
02 41 19 13-0266		**Limestone Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0267		**10" To 14" Thick Limestone Core Drilling** *(02 41 19 13-0266)*		
02 41 19 13-0268	EA	Drill 1" Diameter Core In 10" To 14" Limestone	73.40	
02 41 19 13-0269	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	88.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0270	EA	Drill 2" Diameter Core In 10" To 14" Limestone	95.62	
02 41 19 13-0271	EA	Drill 3" Diameter Core In 10" To 14" Limestone	110.58	
02 41 19 13-0272	EA	Drill 4" Diameter Core In 10" To 14" Limestone	125.56	
02 41 19 13-0273	EA	Drill 6" Diameter Core In 10" To 14" Limestone	176.95	
02 41 19 13-0274	EA	Drill 8" Diameter Core In 10" To 14" Limestone	294.19	
02 41 19 13-0275		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0266)*		
02 41 19 13-0276	EA	Drill 1" Diameter Core In 15" To 18" Limestone	80.82	
02 41 19 13-0277	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	95.60	
02 41 19 13-0278	EA	Drill 2" Diameter Core In 15" To 18" Limestone	103.13	
02 41 19 13-0279	EA	Drill 3" Diameter Core In 15" To 18" Limestone	110.90	
02 41 19 13-0280	EA	Drill 4" Diameter Core In 15" To 18" Limestone	147.82	
02 41 19 13-0281	EA	Drill 6" Diameter Core In 15" To 18" Limestone	191.96	
02 41 19 13-0282	EA	Drill 8" Diameter Core In 15" To 18" Limestone	309.52	
02 41 19 13-0283		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0266)*		
02 41 19 13-0284	EA	Drill 1" Diameter Core In 19" To 24" Limestone	88.21	
02 41 19 13-0285	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	103.04	
02 41 19 13-0286	EA	Drill 2" Diameter Core In 19" To 24" Limestone	110.60	
02 41 19 13-0287	EA	Drill 3" Diameter Core In 19" To 24" Limestone	125.69	
02 41 19 13-0288	EA	Drill 4" Diameter Core In 19" To 24" Limestone	177.25	
02 41 19 13-0289	EA	Drill 6" Diameter Core In 19" To 24" Limestone	221.52	
02 41 19 13-0290	EA	Drill 8" Diameter Core In 19" To 24" Limestone	332.14	
02 41 19 13-0291		Minimum Charge For Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0292	EA	Minimum Charge For Core Drill Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	984.75	
02 41 19 13-0293		Cutouts *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0294		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0293)*		
02 41 19 13-0295	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.19	
02 41 19 13-0296	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.53	
02 41 19 13-0297	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.88	
02 41 19 13-0298	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	65.23	
02 41 19 13-0299	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	66.90	
02 41 19 13-0300		Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0293)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0301	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.26	
02 41 19 13-0302	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.34	
02 41 19 13-0303	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.42	
02 41 19 13-0304	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	79.49	
02 41 19 13-0305	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	81.53	
02 41 19 13-0306		Reinforced Concrete Wall Cutouts *(02 41 19 13-0293)*		
02 41 19 13-0307	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	68.99	
02 41 19 13-0308	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.16	
02 41 19 13-0309	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.35	
02 41 19 13-0310	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	81.53	
02 41 19 13-0311	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	83.62	
02 41 19 13-0312		Brick Wall Cutouts *(02 41 19 13-0293)* Note: Excludes toothing.		
02 41 19 13-0313	SF	4" Thick Brick Wall Cutouts, <24 SF	20.91	
02 41 19 13-0314	SF	6" Thick Brick Wall Cutouts, <24 SF	34.50	
02 41 19 13-0315	SF	8" Thick Brick Wall Cutouts, <24 SF	48.04	
02 41 19 13-0316	SF	10" Thick Brick Wall Cutouts, <24 SF	58.53	
02 41 19 13-0317	SF	12" Thick Brick Wall Cutouts, <24 SF	70.04	
02 41 19 13-0318	SF	16" Thick Brick Wall Cutouts, <24 SF	82.58	
02 41 19 13-0319		Concrete Block Wall Cutouts *(02 41 19 13-0293)* Note: Excludes toothing.		
02 41 19 13-0320	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	34.58	
02 41 19 13-0321	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	36.62	
02 41 19 13-0322	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	38.68	
02 41 19 13-0323	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	40.76	
02 41 19 13-0324	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	41.81	
02 41 19 13-0325	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	43.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0326		**Limestone Cutouts** *(02 41 19 13-0293)*		
02 41 19 13-0327	SF	2" Thick Limestone Cutouts, <24 SF		58.53
02 41 19 13-0328	SF	4" Thick Limestone Cutouts, <24 SF		71.08
02 41 19 13-0329	SF	6" Thick Limestone Cutouts, <24 SF		75.26
02 41 19 13-0330	SF	8" Thick Limestone Cutouts, <24 SF		79.44
02 41 19 13-0331	SF	10" Thick Limestone Cutouts, <24 SF		83.62
02 41 19 13-0332	SF	12" Thick Limestone Cutouts, <24 SF		87.80
02 41 19 13-0333		**Toothing Masonry Cutouts** *(02 41 19 13-0293)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0334	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts		20.91
02 41 19 13-0335	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts		28.22
02 41 19 13-0336	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts		12.54
02 41 19 13-0337	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts		16.72
02 41 19 13-0338		**Minimum Charge For Cutouts** *(02 41 19 13-0293)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0339	EA	Minimum Charge For Cutouts		418.11
02 41 19 13-0340		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0341		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0340)*		
02 41 19 13-0342	VLF	8" x 8" Masonry Column Removal		16.11
02 41 19 13-0343	VLF	10" x 10" Masonry Column Removal		25.17
02 41 19 13-0344	VLF	12" x 12" Masonry Column Removal		32.24
02 41 19 13-0345	VLF	14" x 14" Masonry Column Removal		40.36
02 41 19 13-0346	VLF	16" x 16" Masonry Column Removal		49.59
02 41 19 13-0347	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		27.84
02 41 19 13-0348		**Masonry Chimney Removal** *(02 41 19 13-0340)*		
02 41 19 13-0349	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		32.67
02 41 19 13-0350	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		24.53
02 41 19 13-0351	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		18.77
02 41 19 13-0352	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		13.00
02 41 19 13-0353		**Remove And Reset Precast, Stone Or Masonry Coping** *(02 41 19 13-0340)* Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0354	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		22.81
02 41 19 13-0355	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		34.03
02 41 19 13-0356	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		64.90
02 41 19 13-0357		**Facade Removal** *(02 41 19 13-0340)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0358	SF	Stone Or Brick Veneer Facade Removal		6.13
		For Cleaning and Storage For Reuse, Add		*9.20*
02 41 19 13-0359		**Exterior Masonry Removal** *(02 41 19 13-0340)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0360	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall		5.40
02 41 19 13-0361	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall		6.09
02 41 19 13-0362	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall		7.36
02 41 19 13-0363	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall		8.05
02 41 19 13-0364	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall		8.83
02 41 19 13-0365	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall		11.04
02 41 19 13-0366	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		6.37
02 41 19 13-0367	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		7.30
02 41 19 13-0368	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		8.83
02 41 19 13-0369	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		9.66
02 41 19 13-0370	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		10.59
02 41 19 13-0371	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		13.26
02 41 19 13-0372	SF	Demolish 4" Thick Brick Exterior Wall		5.40
		For Cleaning and Storage For Reuse, Add		*8.10*
02 41 19 13-0373	SF	Demolish 6" Thick Brick Exterior Wall		6.09
		For Cleaning and Storage For Reuse, Add		*9.14*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0374	SF	Demolish 8" Thick Brick Exterior Wall		7.36
		For Cleaning and Storage For Reuse, Add		*11.04*
02 41 19 13-0375	SF	Demolish 10" Thick Brick Exterior Wall		8.05
		For Cleaning and Storage For Reuse, Add		*12.08*
02 41 19 13-0376	SF	Demolish 12" Thick Brick Exterior Wall		8.83
		For Cleaning and Storage For Reuse, Add		*13.25*
02 41 19 13-0377	SF	Demolish 16" Thick Brick Exterior Wall		11.04
		For Cleaning and Storage For Reuse, Add		*16.56*
02 41 19 13-0378	CF	Exterior Brick, Concrete Block Or Composite Removal		15.69
		For Cleaning and Storage For Reuse, Add		*23.54*

02 41 19 13-0379 Lintel Removal *(02 41 19 13-0340)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0380	LF	Demolish Steel Lintel	14.99
02 41 19 13-0381	LF	Demolish Concrete Or Stone Lintel	19.99
02 41 19 13-0382	LF	Demolish Steel Shelf Angle	15.83

02 41 19 13-0383 Reinstall Lintel *(02 41 19 13-0340)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0384	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	10.17
02 41 19 13-0385	LF	Reinstall Existing Concrete Or Stone Lintel	19.99
02 41 19 13-0386	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	55.21
02 41 19 13-0387	LF	Reinstall Existing Steel Lintel	22.22
02 41 19 13-0388	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	91.25
02 41 19 13-0389	LF	Removal And Replacement Of Steel Lintel Over Window Openings	169.38

02 41 19 13-0390 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0391	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.46
02 41 19 13-0392	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	13.53
02 41 19 13-0393	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	17.00
02 41 19 13-0394	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	20.06
02 41 19 13-0395	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	23.71

02 41 19 13-0396 Elevated Concrete Removal *(02 41 19 13)*

02 41 19 13-0397	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	14.01

02 41 19 16 Selective Interior Demolition *(02 41 19)*

Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.

02 41 19 16-0001 Floor Removal *(02 41 19 16)*

02 41 19 16-0002 Scarify Concrete *(02 41 19 16-0001)*

Note: Up to 1/4" removal per pass.

02 41 19 16-0003	SF	Scarify Concrete Floor	0.35
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	2.91
02 41 19 16-0005	SF	Scarify Concrete Wall	2.63

02 41 19 16-0006 Fireproofing Removal *(02 41 19 16)*

02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	1.38

02 41 19 16-0008 Demolish Ceiling *(02 41 19 16)*

02 41 19 16-0009	SF	Demolish Drywall Ceiling	1.06
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling	2.45
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.88

02 41 19 16-0012 Demolish Concrete Stair *(02 41 19 16)*

02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs	8.83
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs	7.79

02 41 19 16-0015 Demolish Interior Partition/Wall *(02 41 19 16)*

Note: Price includes knock down, loading, cleanup.

02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0015)*

Note: Includes saw cutting, knock down, loading and cleanup.

02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall	5.72
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall	6.11
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall	6.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.84
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		11.05
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.87
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.33
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		8.27
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		10.61
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		13.26
02 41 19 16-0028		Demolish Brick Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.72
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.89
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.83
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		11.04
02 41 19 16-0033		Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		4.91
02 41 19 16-0035		Demolish Concrete Interior Partition/Walls *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.40
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		13.00
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		18.20
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.48
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		15.69
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		21.84
02 41 19 16-0042		Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.96
02 41 19 16-0044		Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.48
		For Heights >14' To 20', Add	*0.52*	
		For Heights >20', Add	*0.70*	
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		4.06
		For Heights >14' To 20', Add	*0.61*	
		For Heights >20', Add	*0.81*	
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.45
		For Heights >14' To 20', Add	*0.67*	
		For Heights >20', Add	*0.89*	
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		6.19
		For Heights >14' To 20', Add	*0.93*	
		For Heights >20', Add	*1.24*	
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.83
		For Heights >14' To 20', Add	*0.27*	
		For Heights >20', Add	*0.37*	
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.19
		For Heights >14' To 20', Add	*0.33*	
		For Heights >20', Add	*0.44*	

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	319.89

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use *(02 42 21 47)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.91
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.91
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	4.03
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.35
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.25
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.89

02 43 Structure Moving *(02 40)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	40.56
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	38.33
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	35.88
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	32.54
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	30.42
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	26.91
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	39.42
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	35.88
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	30.42

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*

See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non-Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	10.28
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil	9.10
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil	48.00

02 61 13 00-0006 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	15.42
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil	9.10
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil	76.90

02 61 13 00-0010 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.63
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.96

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,290.88
		For Work In Restricted Working Space, Add	*387.26*
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	85.57
		For Work In Restricted Working Space, Add	*25.67*
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	57.05
		For Work In Restricted Working Space, Add	*17.12*
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	42.85
		For Work In Restricted Working Space, Add	*12.86*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	34.23	
		For Work In Restricted Working Space, Add	*10.27*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	29.10	
		For Work In Restricted Working Space, Add	*8.73*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	26.18	
		For Work In Restricted Working Space, Add	*7.85*	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	26.37
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.37
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	26.37

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	214.08
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	83.25
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	200.28
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	214.08
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	166.51
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	451.95
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	832.54
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	100.14
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	178.40
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	237.87
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	266.41
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	35.68
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	35.68
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	35.68
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	66.60
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	380.59
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	137.69
02 65 00 00-0024	EA	pH, Lab Test	28.54
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	356.80
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	214.08

02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,170.14
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	205.87
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	47.49
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	332.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	173.60	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	249.82	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	359.62	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	223.53	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	132.42	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	126.40	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank	135.94	
		Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)*		
		Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank	0.72	
		Note: Per gallon of material transferred.		
02 65 00 00-0043		**Pump Contaminated Liquids And Rinse Material** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	2.00	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.88	
02 65 00 00-0046		**Sludge** *(02 65 00 00-0040)*		
		Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.21	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.61	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice	4.83	
		Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.		
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)*		
		Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	381.52	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	499.84	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	647.53	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	873.99	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,690.18	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,032.44	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,327.42	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,811.90	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,617.79	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,349.76	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,508.43	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,791.10	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	8,321.63	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	272.81	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	363.28	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	476.03	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	659.20	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,459.82	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,848.45	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,163.01	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,719.21	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,534.31	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,436.26	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,776.37	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,931.65	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,664.57	
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)*		
		Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)*		
		Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	21.80	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	29.08	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0084		**Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)*		
		Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	757.15	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	919.39	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,081.65	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,352.05	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,892.87	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,379.60	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,704.10	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,244.91	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,326.55	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,186.57	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,077.60	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	7,110.27	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,887.84	
02 65 00 00-0098		**Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)*		
		Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	916.91	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,709.93	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,056.86	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,292.29	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,750.74	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,419.85	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,113.73	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,142.16	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,427.71	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	8,034.63	
02 65 00 00-0109		**Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station** *(02 65 00 00-0080)*		
		Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	327.82	
		For Each Additional Mile >15 Miles, Add	*5.10*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	443.42	
		For Each Additional Mile >15 Miles, Add	*6.44*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	696.10	
		For Each Additional Mile >15 Miles, Add	*9.66*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,070.19	
		For Each Additional Mile >15 Miles, Add	*11.27*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,888.53	
		For Each Additional Mile >15 Miles, Add	*19.86*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,952.92	
		For Each Additional Mile >15 Miles, Add	*21.47*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,060.27	
		For Each Additional Mile >15 Miles, Add	*24.15*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,981.02	
		For Each Additional Mile >15 Miles, Add	*32.20*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,099.91	
		For Each Additional Mile >15 Miles, Add	*48.30*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,789.43	
		For Each Additional Mile >15 Miles, Add	*53.67*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,920.73	
		For Each Additional Mile >15 Miles, Add	*64.40*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,252.78	
		For Each Additional Mile >15 Miles, Add	*77.29*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,955.22	
		For Each Additional Mile >15 Miles, Add	*88.88*	
02 65 00 00-0123		**Other Storage Tank Removals** *(02 65 00 00-0080)*		
		Note: Based on tank gallon size		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.64	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.23	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.42	
02 65 00 00-0127		**Tank Closure Report** *(02 65 00 00-0080)*		
		Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,417.92	
02 65 00 00-0129		**Temporary Tanks** *(02 65)*		
02 65 00 00-0130		**Temporary Holding Tanks** *(02 65 00 00-0129)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0131		Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*		
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,979.69	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,484.77	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,464.47	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,474.62	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,532.07	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,629.70	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	11,195.86	
02 65 00 00-0141		Secondary Containment Berm *(02 65 00 00-0129)*		
02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,144.67	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001		Equipment Oil Drain And Disposal *(02 81)*		
02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	695.06	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	109.22	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	496.48	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	893.66	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	119.20	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001		Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	103.80	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	64.66	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	75.81	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	120.41	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	251.97	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	51.29	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	62.43	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	84.73	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	64.66	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	75.81	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	120.41	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	238.59	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	332.24	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001		Asbestos Encapsulation (Lock-Down) *(02 82 16)*		
02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.77	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.41	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.62	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.84	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.80	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.98	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		1,308.66	
		For Work In Restricted Working Space, Add		*387.26*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		44.90	
		For Work In Restricted Working Space, Add		*13.20*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		33.89	
		For Work In Restricted Working Space, Add		*9.90*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		25.64	
		For Work In Restricted Working Space, Add		*7.43*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		19.45	
		For Work In Restricted Working Space, Add		*5.57*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal		17.04	
		For Work In Restricted Working Space, Add		*4.85*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		1,326.44	
		For Work In Restricted Working Space, Add		*387.26*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		52.39	
		For Work In Restricted Working Space, Add		*15.18*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		39.73	
		For Work In Restricted Working Space, Add		*11.39*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		30.24	
		For Work In Restricted Working Space, Add		*8.54*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		23.12	
		For Work In Restricted Working Space, Add		*6.40*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal		20.35	
		For Work In Restricted Working Space, Add		*5.57*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		1,344.21	
		For Work In Restricted Working Space, Add		*387.26*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		69.85	
		For Work In Restricted Working Space, Add		*20.24*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		52.97	
		For Work In Restricted Working Space, Add		*15.18*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		40.32	
		For Work In Restricted Working Space, Add		*11.39*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		30.82	
		For Work In Restricted Working Space, Add		*8.54*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal		27.12	
		For Work In Restricted Working Space, Add		*7.43*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		1,361.99	
		For Work In Restricted Working Space, Add		*387.26*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		96.05	
		For Work In Restricted Working Space, Add		*27.84*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		72.84	
		For Work In Restricted Working Space, Add		*20.87*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		55.45	
		For Work In Restricted Working Space, Add		*15.66*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		42.39	
		For Work In Restricted Working Space, Add		*11.74*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal		37.29	
		For Work In Restricted Working Space, Add		*10.21*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal		835.70	
		For Work In Restricted Working Space, Add		*249.11*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation		140.17	
		For Work In Restricted Working Space, Add		*41.52*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation		55.50	
		For Work In Restricted Working Space, Add		*16.12*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	42.06	
		For Work In Restricted Working Space, Add	*12.08*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	31.99	
		For Work In Restricted Working Space, Add	*9.06*	
02 82 33 00-0037		Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0038		Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*		
02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,299.77	
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	53.48	
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	44.14	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	35.46	
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	28.97	
02 82 33 00-0044		Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*		
02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,295.32	
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	47.03	
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	37.68	
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	29.01	
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	22.51	
02 82 33 00-0050		Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*		
02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,293.84	
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	41.72	
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	32.38	
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.70	
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.20	
02 82 33 00-0056		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*		
		Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,301.99	
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	44.45	
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	35.10	
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.43	
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.93	
02 82 33 00-0062		Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0063		Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.		
02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	215.59	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0065		Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0066	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,301.99	
02 82 33 00-0067	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	53.24	
02 82 33 00-0068	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	40.03	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	30.13	
02 82 33 00-0070	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.70	
02 82 33 00-0071		Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0072	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,298.29	
02 82 33 00-0073	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	22.35	
02 82 33 00-0074	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.97	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.67	
02 82 33 00-0076	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.44	
02 82 33 00-0077		Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0078	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,305.70	
		For Additional Layer, Add	*354.99*	
02 82 33 00-0079	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	17.24	
		For Additional Layer, Add	*4.66*	
02 82 33 00-0080	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.67	
		For Additional Layer, Add	*3.40*	
02 82 33 00-0081	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.98	
		For Additional Layer, Add	*2.66*	
02 82 33 00-0082	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.83	
		For Additional Layer, Add	*2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0083	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.21	
		For Additional Layer, Add	*1.63*	
02 82 33 00-0084	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.03	
		For Additional Layer, Add	*1.30*	

02 82 33 00-0085 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0086	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,298.29	
02 82 33 00-0087	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	32.47	
02 82 33 00-0088	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	23.86	
02 82 33 00-0089	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.70	
02 82 33 00-0090	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.61	
02 82 33 00-0091	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.52	

02 82 33 00-0092 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0093	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,305.70	
02 82 33 00-0094	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	28.37	
02 82 33 00-0095	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	21.32	
02 82 33 00-0096	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	16.09	
02 82 33 00-0097	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	12.13	

02 82 33 00-0098 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0099	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,305.70	
02 82 33 00-0100	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.64	
02 82 33 00-0101	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.35	
02 82 33 00-0102	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.37	
02 82 33 00-0103	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.34	

02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,302.73	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	18.58	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	9.10	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.24	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.35	

02 82 33 00-0110 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0111 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,293.84	
		For Each Additional Layer, Add	*194.08*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	9.10	
		For Each Additional Layer, Add	*1.37*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.46	
		For Each Additional Layer, Add	*1.12*	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.94	
		For Each Additional Layer, Add	*0.89*	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.12	
		For Each Additional Layer, Add	*0.62*	

02 82 33 00-0118 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,293.84	
		For Each Additional Layer, Add	*194.08*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	9.10	
		For Each Additional Layer, Add	*1.37*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.48	
		For Each Additional Layer, Add	*1.12*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.79	
		For Each Additional Layer, Add	*1.02*	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.49	
		For Each Additional Layer, Add	*0.82*	

02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,293.84	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.10	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.76	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.21	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.21	
02 82 33 00-0130		Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0111)*		
		Note: Up to 12".		
02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	433.99	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.89	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.59	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.31	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.66	
02 82 33 00-0136		Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0110)*		
		Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,298.29	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.29	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.43	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.88	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal	1.52	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0142		Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0110)*		
		Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,320.52	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.47	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.72	
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.10	
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.82	
02 82 33 00-0148		Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*		
02 82 33 00-0149	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,305.69	
02 82 33 00-0150	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.66	
02 82 33 00-0151	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	7.68	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0152	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	6.06	
02 82 33 00-0153	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.99	
02 82 33 00-0154		Roofing, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0155		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
		Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0156		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0157	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,327.93	
02 82 33 00-0158	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.55	
02 82 33 00-0159	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.91	
02 82 33 00-0160	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.58	
02 82 33 00-0161	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.26	
02 82 33 00-0162	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.27	
02 82 33 00-0163		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,356.07	
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.99	
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.62	
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.11	
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.97	
02 82 33 00-0170		**>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0155)*		
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,388.66	
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.20	
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.60	
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.91	
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.65	
02 82 33 00-0177		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0178		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0177)*		
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,300.14	
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	8.32	
		For Each Additional Layer, Add	*1.66*	
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.68	
		For Each Additional Layer, Add	*1.34*	
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.35	
		For Each Additional Layer, Add	*1.07*	
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.03	
		For Each Additional Layer, Add	*0.81*	
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.04	
		For Each Additional Layer, Add	*0.61*	
02 82 33 00-0185		**Roof Penetration Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	431.03	
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.30	
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.72	
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.20	
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.62	
02 82 33 00-0191		**Roof Curb Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
02 82 33 00-0192	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	431.03	
02 82 33 00-0193	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.75	
02 82 33 00-0194	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.82	
02 82 33 00-0195	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.53	
02 82 33 00-0196	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.72	
02 82 33 00-0197		**Asbestos-Cement Products, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0198		**Interior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0197)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0199	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1,305.69	
02 82 33 00-0200	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	8.95	
02 82 33 00-0201	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.55	
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.67	
02 82 33 00-0203	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.21	
02 82 33 00-0204		**Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0197)*		
02 82 33 00-0205	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,305.69	
02 82 33 00-0206	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.79	
02 82 33 00-0207	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.07	
02 82 33 00-0208	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.28	
02 82 33 00-0209	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.87	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0210		**Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal** *(02 82 33 00-0197)*		
02 82 33 00-0211	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,093.52	
02 82 33 00-0212	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	45.79	
02 82 33 00-0213	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	34.78	
02 82 33 00-0214	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.53	
02 82 33 00-0215	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.34	
02 82 33 00-0216	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.71	
02 82 33 00-0217	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.37	
02 82 33 00-0218		**Exterior Transite Siding, Asbestos Abatement And Disposal** *(02 82 33 00-0197)*		
02 82 33 00-0219	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,315.99	
02 82 33 00-0220	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	7.03	
02 82 33 00-0221	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.65	
02 82 33 00-0222	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.55	
02 82 33 00-0223	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.45	
02 82 33 00-0224	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.63	
02 82 33 00-0225		**Asbestos Contaminated Debris, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0226		**Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal** *(02 82 33 00-0225)* Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0227	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	646.92	
02 82 33 00-0228	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.20	
02 82 33 00-0229	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.79	
02 82 33 00-0230	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.65	
02 82 33 00-0231	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.57	
02 82 33 00-0232		**Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal** *(02 82 33 00-0225)*		
02 82 33 00-0233	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	866.52	
02 82 33 00-0234	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	22.10	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0235	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	15.12	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0236	SF	>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	11.35	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0237	SF	>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	9.19	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0238	SF	>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	8.12	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0239	SF	>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	7.05	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0240	SET	Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	1,086.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0241	SF	>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	43.81	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0242	SF	>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	29.57	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0243	SF	>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	22.47	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0244	SF	>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	18.15	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0245	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	15.59	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0246	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	14.13	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0247	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	1,308.66	
02 82 33 00-0248	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	87.35	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0249	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	58.83	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0250	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	44.63	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0251	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	36.01	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0252	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	30.88	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0253	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	27.96	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0254		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0225)*		
02 82 33 00-0255	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	878.37	
		For Work In Restricted Working Space, Add	*258.18*	
02 82 33 00-0256	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	87.35	
		For Work In Restricted Working Space, Add	*25.67*	
02 82 33 00-0257	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	58.83	
		For Work In Restricted Working Space, Add	*17.12*	
02 82 33 00-0258	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	44.63	
		For Work In Restricted Working Space, Add	*12.86*	
02 82 33 00-0259	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	36.01	
		For Work In Restricted Working Space, Add	*10.27*	
02 82 33 00-0260	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	30.88	
		For Work In Restricted Working Space, Add	*8.73*	
02 82 33 00-0261	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	27.96	
		For Work In Restricted Working Space, Add	*7.85*	
02 82 33 00-0262		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0263		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0262)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0264	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	438.29	
02 82 33 00-0265	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	162.90	
02 82 33 00-0266	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	147.41	

02 82 33 00-0267 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0262)*

02 82 33 00-0268	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	430.66	
02 82 33 00-0269	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.84	
02 82 33 00-0270	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.64	
02 82 33 00-0271	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.72	
02 82 33 00-0272	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.92	
02 82 33 00-0273	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.22	
02 82 33 00-0274	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.65	

02 82 33 00-0275 Grout, Asbestos Abatement And Disposal *(02 82 33 00-0262)*

Note: e.g. flue grout.

02 82 33 00-0276	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	430.54	
02 82 33 00-0277	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.96	
02 82 33 00-0278	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.68	
02 82 33 00-0279	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	10.01	
02 82 33 00-0280	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.60	
02 82 33 00-0281	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.41	
02 82 33 00-0282	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.36	

02 82 33 00-0283 Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0262)*

Note: e.g. rope, web cloth, flat.

02 82 33 00-0284	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	430.66	
02 82 33 00-0285	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	22.86	
02 82 33 00-0286	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	17.15	
02 82 33 00-0287	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.62	
02 82 33 00-0288	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	13.16	
02 82 33 00-0289	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.83	
02 82 33 00-0290	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.26	

02 82 33 00-0291 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0262)*

Note: e.g. grid, spline, or glued on.

02 82 33 00-0292	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	868.00	
02 82 33 00-0293	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	18.43	
02 82 33 00-0294	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.95	
02 82 33 00-0295	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	6.09	
02 82 33 00-0296	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.20	

02 82 33 00-0297 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0262)*

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0298	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	864.59	
02 82 33 00-0299	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	18.43	
02 82 33 00-0300	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.95	
02 82 33 00-0301	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.09	
02 82 33 00-0302	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.20	

02 82 33 00-0303 Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0262)*

02 82 33 00-0304 Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0303)*

02 82 33 00-0305	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	430.54	
02 82 33 00-0306	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.71	
02 82 33 00-0307	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.97	
02 82 33 00-0308	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.68	
02 82 33 00-0309	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	5.02	
02 82 33 00-0310	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.98	
02 82 33 00-0311	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.45	

02 82 33 00-0312 Exterior Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0303)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0313	SET	Up To 10 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	430.36	
02 82 33 00-0314	LF	>10 To 50 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	7.64	
02 82 33 00-0315	LF	>50 To 100 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	5.38	
02 82 33 00-0316	LF	>100 To 250 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	4.01	
02 82 33 00-0317	LF	>250 To 1,000 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	3.02	
02 82 33 00-0318	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	2.39	
02 82 33 00-0319	LF	>2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal	2.08	
02 82 33 00-0320		**Wood Wall Joint Compound, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0321	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	861.33	
02 82 33 00-0322	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	17.01	
02 82 33 00-0323	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	12.44	
02 82 33 00-0324	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	9.75	
02 82 33 00-0325	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	7.60	
02 82 33 00-0326		**Chalk Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0327	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	437.70	
02 82 33 00-0328	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	18.35	
02 82 33 00-0329	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	8.87	
02 82 33 00-0330	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	6.01	
02 82 33 00-0331	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.12	
02 82 33 00-0332		**Tack Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0333	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	437.70	
02 82 33 00-0334	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	18.35	
02 82 33 00-0335	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	8.87	
02 82 33 00-0336	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	6.01	
02 82 33 00-0337	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.12	
02 82 33 00-0338		**Dash Coat Over Wood Walls, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0339	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	861.33	
02 82 33 00-0340	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	18.90	
02 82 33 00-0341	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	14.09	
02 82 33 00-0342	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	10.59	
02 82 33 00-0343	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	7.97	
02 82 33 00-0344		**HEPA Vacuum, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
		Note: For adjacent areas.		
02 82 33 00-0345	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.80	
02 82 33 00-0346		**Asbestos Contaminated Paint, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0347	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	538.60	
02 82 33 00-0348	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	52.87	
02 82 33 00-0349	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	39.66	
02 82 33 00-0350	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	29.76	
02 82 33 00-0351	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	22.33	
02 82 33 00-0352		**Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0353	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.53	
02 82 33 00-0354	SF	Mastic On Walls, Asbestos Abatement And Disposal	21.58	
02 82 33 00-0355		**Other Material, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0356	LF	Chemical Countertops, Asbestos Abatement And Disposal	29.28	
02 82 33 00-0357	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,656.27	
02 82 33 00-0358		**Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		
02 82 33 00-0359		**Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0358)*		
02 82 33 00-0360	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	430.54	
02 82 33 00-0361	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.78	
02 82 33 00-0362	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.38	
02 82 33 00-0363	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.52	
02 82 33 00-0364	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.89	
02 82 33 00-0365	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.50	
02 82 33 00-0366	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.31	
02 82 33 00-0367		**Window Putty, Asbestos Abatement And Disposal** *(02 82 33 00-0262)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0368	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	430.54	
02 82 33 00-0369	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.96	
02 82 33 00-0370	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.68	
02 82 33 00-0371	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	10.01	
02 82 33 00-0372	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.60	
02 82 33 00-0373	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.41	
02 82 33 00-0374		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0262)*		
02 82 33 00-0375	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	894.72	
02 82 33 00-0376	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	85.54	
02 82 33 00-0377	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	59.88	
02 82 33 00-0378	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	47.09	
02 82 33 00-0379	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.34	
02 82 33 00-0380	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	34.71	
02 82 33 00-0381	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	32.09	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001		Lead Sampling And Testing *(02 83 19 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.	
02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	97.34
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	76.86
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	73.58
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	111.49
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	156.09
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.99
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	44.60
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	55.74
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	73.58
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	111.49
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	12.26
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.72
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	24.53
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	12.26
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.72
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	24.53
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	44.60
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	66.89
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	89.19
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	46.12
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	92.24
02 83 19 13-0023		Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*	
02 83 19 13-0024	EA	Minimum Show Up Charge For Lead-Based Paint Remediation Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,314.25
02 83 19 13-0025		Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.	
02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	37.30
		For 0.025" (25 mil) Application, Add	*2.12*
		For 0.03" (30 mil) Application, Add	*3.33*
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	55.33
		For 0.025" (25 mil) Application, Add	*3.02*
		For 0.03" (30 mil) Application, Add	*4.68*
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	16.02
		For 0.025" (25 mil) Application, Add	*0.95*
		For 0.03" (30 mil) Application, Add	*1.52*
		For 0.125" (125 mil) Application, Add	*8.51*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	32.71	
		For 0.025" (25 mil) Application, Add	*1.79*	
		For 0.03" (30 mil) Application, Add	*2.77*	
		For 0.125" (125 mil) Application, Add	*12.68*	
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	17.41	
		For 0.025" (25 mil) Application, Add	*1.12*	
		For 0.03" (30 mil) Application, Add	*1.84*	
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	49.32	
		For 0.025" (25 mil) Application, Add	*2.72*	
		For 0.03" (30 mil) Application, Add	*4.23*	
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.74	
		For 0.025" (25 mil) Application, Add	*0.74*	
		For 0.03" (30 mil) Application, Add	*1.23*	
		For 0.125" (125 mil) Application, Add	*8.69*	
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	31.18	
		For 0.025" (25 mil) Application, Add	*1.76*	
		For 0.03" (30 mil) Application, Add	*2.76*	
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	39.74	
		For 0.025" (25 mil) Application, Add	*2.19*	
		For 0.03" (30 mil) Application, Add	*3.41*	
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.80	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.54*	
02 83 19 13-0036	SF	Columns, Chemical Stripping Of Lead Contaminated Material	14.22	
		For 0.025" (25 mil) Application, Add	*0.96*	
		For 0.03" (30 mil) Application, Add	*1.60*	
		For 0.125" (125 mil) Application, Add	*11.06*	
02 83 19 13-0037	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.53	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.36*	
02 83 19 13-0038	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	15.40	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.58*	
02 83 19 13-0039	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	22.70	
		For 0.025" (25 mil) Application, Add	*1.39*	
		For 0.03" (30 mil) Application, Add	*2.23*	
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	64.90	
		For 0.025" (25 mil) Application, Add	*3.65*	
		For 0.03" (30 mil) Application, Add	*5.72*	
02 83 19 13-0041	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	16.09	
		For 0.025" (25 mil) Application, Add	*1.00*	
		For 0.03" (30 mil) Application, Add	*1.63*	
02 83 19 13-0042	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.84	
		For 0.025" (25 mil) Application, Add	*0.64*	
		For 0.03" (30 mil) Application, Add	*1.09*	
02 83 19 13-0043	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	33.33	
		For 0.025" (25 mil) Application, Add	*1.87*	
		For 0.03" (30 mil) Application, Add	*2.92*	
02 83 19 13-0044	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	39.74	
		For 0.025" (25 mil) Application, Add	*2.19*	
		For 0.03" (30 mil) Application, Add	*3.41*	
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.87	
		For 0.025" (25 mil) Application, Add	*1.34*	
		For 0.03" (30 mil) Application, Add	*2.20*	
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	25.71	
		For 0.025" (25 mil) Application, Add	*1.59*	
		For 0.03" (30 mil) Application, Add	*2.57*	
		For 0.125" (125 mil) Application, Add	*15.43*	
02 83 19 13-0047	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	7.17	
		For 0.025" (25 mil) Application, Add	*0.51*	
		For 0.03" (30 mil) Application, Add	*0.86*	
		For 0.125" (125 mil) Application, Add	*6.29*	
02 83 19 13-0048	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.52	
		For 0.025" (25 mil) Application, Add	*0.73*	
		For 0.03" (30 mil) Application, Add	*1.18*	
		For 0.125" (125 mil) Application, Add	*7.38*	
02 83 19 13-0049	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	20.62	
		For 0.025" (25 mil) Application, Add	*1.28*	
		For 0.03" (30 mil) Application, Add	*2.08*	
		For 0.125" (125 mil) Application, Add	*12.66*	
02 83 19 13-0050	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	28.26	
		For 0.025" (25 mil) Application, Add	*1.71*	
		For 0.03" (30 mil) Application, Add	*2.76*	
		For 0.125" (125 mil) Application, Add	*16.07*	
02 83 19 13-0051	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	50.68	
		For 0.025" (25 mil) Application, Add	*2.98*	
		For 0.03" (30 mil) Application, Add	*4.76*	
		For 0.125" (125 mil) Application, Add	*26.17*	
02 83 19 13-0052	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	15.14	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.37*	
		For 0.125" (125 mil) Application, Add	*7.03*	
02 83 19 13-0053	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	301.10	
		For 0.025" (25 mil) Application, Add	*16.51*	
		For 0.03" (30 mil) Application, Add	*25.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0054	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.07	
		For 0.025" (25 mil) Application, Add	*1.62*	
		For 0.03" (30 mil) Application, Add	*2.78*	
02 83 19 13-0055	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	23.07	
		For 0.025" (25 mil) Application, Add	*1.72*	
		For 0.03" (30 mil) Application, Add	*2.93*	
02 83 19 13-0056	SF	Siding, Chemical Stripping Of Lead Contaminated Material	12.02	
		For 0.025" (25 mil) Application, Add	*0.85*	
		For 0.03" (30 mil) Application, Add	*1.43*	
		For 0.125" (125 mil) Application, Add	*10.51*	
02 83 19 13-0057	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	25.21	
		For 0.025" (25 mil) Application, Add	*1.46*	
		For 0.03" (30 mil) Application, Add	*2.32*	
		For 0.125" (125 mil) Application, Add	*12.30*	
02 83 19 13-0058	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.60	
		For 0.025" (25 mil) Application, Add	*0.78*	
		For 0.03" (30 mil) Application, Add	*1.30*	
		For 0.125" (125 mil) Application, Add	*8.90*	
02 83 19 13-0059	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	13.16	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.29*	
02 83 19 13-0060	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	13.13	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.28*	
02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	18.61	
		For 0.025" (25 mil) Application, Add	*1.13*	
		For 0.03" (30 mil) Application, Add	*1.82*	
		For 0.125" (125 mil) Application, Add	*10.65*	
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	13.13	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.28*	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	30.26	
		For 0.025" (25 mil) Application, Add	*1.71*	
		For 0.03" (30 mil) Application, Add	*2.69*	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	33.13	
		For 0.025" (25 mil) Application, Add	*1.86*	
		For 0.03" (30 mil) Application, Add	*2.91*	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	35.05	
		For 0.025" (25 mil) Application, Add	*1.95*	
		For 0.03" (30 mil) Application, Add	*3.05*	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	37.01	
		For 0.025" (25 mil) Application, Add	*2.05*	
		For 0.03" (30 mil) Application, Add	*3.20*	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	38.93	
		For 0.025" (25 mil) Application, Add	*2.15*	
		For 0.03" (30 mil) Application, Add	*3.34*	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	40.94	
		For 0.025" (25 mil) Application, Add	*2.25*	
		For 0.03" (30 mil) Application, Add	*3.50*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	42.82	
		For 0.025" (25 mil) Application, Add	*2.34*	
		For 0.03" (30 mil) Application, Add	*3.64*	
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	43.80	
		For 0.025" (25 mil) Application, Add	*2.39*	
		For 0.03" (30 mil) Application, Add	*3.71*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	44.79	
		For 0.025" (25 mil) Application, Add	*2.44*	
		For 0.03" (30 mil) Application, Add	*3.78*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	45.72	
		For 0.025" (25 mil) Application, Add	*2.49*	
		For 0.03" (30 mil) Application, Add	*3.85*	
02 83 19 13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	60.41	
		For 0.025" (25 mil) Application, Add	*3.42*	
		For 0.03" (30 mil) Application, Add	*5.38*	
		For 0.125" (125 mil) Application, Add	*27.10*	
02 83 19 13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.49	
		For 0.025" (25 mil) Application, Add	*0.67*	
		For 0.03" (30 mil) Application, Add	*1.11*	
		For 0.125" (125 mil) Application, Add	*7.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	30.71	
		For 0.025" (25 mil) Application, Add	*1.84*	
		For 0.03" (30 mil) Application, Add	*2.94*	
		For 0.125" (125 mil) Application, Add	*16.68*	
02 83 19 13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	33.58	
		For 0.025" (25 mil) Application, Add	*1.93*	
		For 0.03" (30 mil) Application, Add	*3.05*	
		For 0.125" (125 mil) Application, Add	*15.90*	

02 83 19 13-0077 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.65
02 83 19 13-0079	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.55
02 83 19 13-0080	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.99
02 83 19 13-0081	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.54
02 83 19 13-0082	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	74.11
02 83 19 13-0083	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	98.32
02 83 19 13-0084	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.98
02 83 19 13-0085	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	6.15
02 83 19 13-0086	SF	Demolish Brick, Lead Contaminated Material	4.63
02 83 19 13-0087	SF	Demolish Concrete Block, Lead Contaminated Material	5.96
02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	4.49
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.75
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.26
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	7.00
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.69
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	2.00
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.50
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.63
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	15.29
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	35.61
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	2.02
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.73
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.63
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	77.25
02 83 19 13-0102	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.35
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material	23.70
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	3.05
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	5.06
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.65
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	4.29
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	8.62
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	18.51
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.59
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	11.07
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.74
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	30.87
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	133.34
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	51.96
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	2.06
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.76
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.80
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	5.66
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	7.42
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	5.49
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	18.45
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	8.83
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.49
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.60
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.91
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	7.97
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.89
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	24.34
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.31
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.60
02 83 19 13-0132	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.11
02 83 19 13-0133	LF	Demolish Rain Gutters, Lead Contaminated Material	5.35
02 83 19 13-0134	LF	Demolish Downspouts, Lead Contaminated Material	4.38
02 83 19 13-0135	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.40
02 83 19 13-0136	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.11
02 83 19 13-0137	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.79
02 83 19 13-0138	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.79
02 83 19 13-0139	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.59
02 83 19 13-0140	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.38
02 83 19 13-0141	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.41
02 83 19 13-0142	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	24.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0143	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		17.31
02 83 19 13-0144	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		12.97
02 83 19 13-0145	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.		9.74
02 83 19 13-0146		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)* Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0147	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting		3.71
02 83 19 13-0148		Lead Abatement Encapsulation *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0149	SF	Balustrades, Lead Abatement Encapsulation		6.75
02 83 19 13-0150	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation		6.67
02 83 19 13-0151	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation		9.06
02 83 19 13-0152	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation		4.35
02 83 19 13-0153	SF	Ornate Cabinets, Lead Abatement Encapsulation		9.75
02 83 19 13-0154	SF	Simple Design Cabinets, Lead Abatement Encapsulation		7.95
02 83 19 13-0155	SF	Drywall Ceilings, Lead Abatement Encapsulation		2.74
02 83 19 13-0156	SF	Wood Ceilings, Lead Abatement Encapsulation		3.32
02 83 19 13-0157	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation		3.07
02 83 19 13-0158	SF	Columns, Lead Abatement Encapsulation		5.25
02 83 19 13-0159	SF	Doors, Lead Abatement Encapsulation		9.99
02 83 19 13-0160	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation		4.41
02 83 19 13-0161	SF	Picket Fence (Brush), Lead Abatement Encapsulation		3.15
02 83 19 13-0162	SF	Wood Floors (Roller), Lead Abatement Encapsulation		2.63
02 83 19 13-0163	SF	Grilles, Vents, Lead Abatement Encapsulation		7.28
02 83 19 13-0164	LF	Gutters And Downspouts, Lead Abatement Encapsulation		6.75
02 83 19 13-0165	EA	Hangers, Lead Abatement Encapsulation		57.28
02 83 19 13-0166	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation		4.10
02 83 19 13-0167	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation		5.90
02 83 19 13-0168	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation		9.17
02 83 19 13-0169	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation		13.55
02 83 19 13-0170	EA	Radiators, Lead Abatement Encapsulation		148.63
02 83 19 13-0171	EA	Up To 6' Shutters, Lead Abatement Encapsulation		212.35
02 83 19 13-0172	SF	Siding, Lead Abatement Encapsulation		3.75
02 83 19 13-0173	SF	Up To 12" Soffit, Lead Abatement Encapsulation		5.25
02 83 19 13-0174	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation		4.35
02 83 19 13-0175	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation		5.67
02 83 19 13-0176	SF	Trusses, Lead Abatement Encapsulation		5.67
02 83 19 13-0177	SF	Drywall Walls, Lead Abatement Encapsulation		2.43
02 83 19 13-0178	SF	Wood Walls, Lead Abatement Encapsulation		2.99
02 83 19 13-0179	EA	Window Without Grille, Lead Abatement Encapsulation		125.96
02 83 19 13-0180	EA	Window With Grille, Lead Abatement Encapsulation		161.90
02 83 19 13-0181	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation		3.86
02 83 19 13-0182	LF	Steel Lintels, Lead Abatement Encapsulation		4.43
02 83 33		**Removal and Disposal of Material Containing Lead** *(02 83)*		
02 83 33 13		**Lead-Based Paint Removal and Disposal** *(02 83 33)*		
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent		0.31
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate		0.31
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting		1.54
02 84		**Polychlorinated Biphenyl Remediation** *(02 80)*		
02 84 16		**Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury** *(02 84)*		
02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling		10.87
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures		3.39
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures		4.32
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures		10.21
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures		21.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.18	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.51	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	26.25	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	50.96	

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	4,025.22	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,316.52	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,754.50	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	7,586.14	
02 84 33 00-0006	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	11,952.00	
02 84 33 00-0007	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	3,096.33	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)* Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)* Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	869.48	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	33.72	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	25.40	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.16	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.47	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.65	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	896.15	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	40.05	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	30.48	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.30	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.92	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.82	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	882.81	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	19.56	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.78	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	11.20	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.68	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)* Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	875.41	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	19.42	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.64	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	11.06	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.39	
02 87 13 33-0031		Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	875.41	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	19.42	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.64	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	11.06	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.39	
02 87 13 33-0037		Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	890.23	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.49	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.14	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	4.07	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.99	
02 87 13 33-0043		Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	882.81	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	26.79	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	20.23	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	15.29	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.58	
02 87 13 33-0049		Flooring, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: Includes cove base.		
02 87 13 33-0050		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	890.23	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.45	
		For Each Additional Layer, Add	*1.61*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.61	
		For Each Additional Layer, Add	*0.90*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.09	
		For Each Additional Layer, Add	*0.52*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.62	
		For Each Additional Layer, Add	*0.41*	
02 87 13 33-0057		Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	890.23	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.36	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.37	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.25	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.74	
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	890.23	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	6.04	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.40	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.49	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.69	
		Note: Includes tack strips.		
02 87 13 33-0070		Subflooring, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	882.81	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.42	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.75	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.87	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.83	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0076		Siding, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)* Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	890.23	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.43	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.52	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.64	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.02	
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	890.23	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.98	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.55	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.74	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.37	
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0090		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	896.15	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	31.54	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.62	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.66	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.69	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.28	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.63	
02 87 13 33-0098		Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0099		Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	445.10	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.62	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.69	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.10	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.59	
02 87 13 33-0105		Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	890.23	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	11.06	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.20	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.74	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.69	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.61	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.16	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.76	
02 87 13 33-0114		Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*		
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	215.64	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.32	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.09	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.35	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.74	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.40	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.21	
02 87 13 33-0122		Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*		
02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	23.91	
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 200, Deduct	*-5.98*	
		For >200, Deduct	*-9.56*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	28.13	
		For >25 To 50, Deduct	*-2.81*	
		For >50 To 200, Deduct	*-7.03*	
		For >200, Deduct	*-11.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	32.00	
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 200, Deduct	*-8.00*	
		For >200, Deduct	*-12.80*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	26.09	
		For >25 To 50, Deduct	*-2.61*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	33.11	
		For >25 To 50, Deduct	*-3.31*	
		For >50 To 200, Deduct	*-8.28*	
		For >200, Deduct	*-13.24*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	937.04	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	98.90	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	72.94	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	883.70	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	83.17	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	57.22	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	860.59	
		For Work In Restricted Working Space, Add	*258.18*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	14.34	
		For Work In Restricted Working Space, Add	*4.30*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	13.04	
		For Work In Restricted Working Space, Add	*3.91*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.86	
		For Work In Restricted Working Space, Add	*3.56*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.77	
		For Work In Restricted Working Space, Add	*3.23*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	726.45	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	690.14	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.88	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.61	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,228.81	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	251.32	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.96	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.17	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.96	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.91	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.96	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,107.76	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.70	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.73	

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.66	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.88	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.18	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.99	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.29	
02 87 19 00-0024		**Temporary Floor Protection For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.19	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.21	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.60	
02 87 19 00-0028		**Temporary Stud Wall For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.35	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.21	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.54	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.59	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.23	
02 87 19 00-0034		**Isolation Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) to construct stand-alone tents (floor, walls and ceiling) with airlock.	27.34	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.42	
02 87 19 00-0037		**Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	23.51	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	27.50	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	38.33	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,577.44	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	565.13	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	898.87	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	167.85	
02 87 19 00-0045		**Temporary Portable And Mobile Trailers** *(02 87 19)*		
02 87 19 00-0046		**Trailer Delivery** *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,345.82	
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,768.63	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	19,448.92	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,745.21	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	34,665.66	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	39,410.04	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	41,434.60	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	46,103.97	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0056		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0057		**Skirting** *(02 87 19 00-0056)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	6.01	2.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.86	4.03
02 87 19 00-0060		**Aluminum Modular Access Ramp** *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	4,034.18	46.83
02 87 19 00-0062		**Aluminum Modular Stairs** *(02 87 19 00-0056)* Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,116.54	
02 87 19 00-0064		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,103.27	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,301.14	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	679.98	
02 87 19 00-0068		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)*		
02 87 19 00-0070	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	447.29	
02 87 19 00-0071		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)* Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	33.16	
		For >25 To 50, Deduct	*-3.31*	
		For >50 To 200, Deduct	*-6.63*	
		For >200, Deduct	*-9.94*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.63*	
		For Level 3 Biohazard Cleaning, Add	*10.94*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	39.00	
		For >25 To 50, Deduct	*-3.90*	
		For >50 To 200, Deduct	*-7.80*	
		For >200, Deduct	*-11.69*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.80*	
		For Level 3 Biohazard Cleaning, Add	*12.86*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	44.36	
		For >25 To 50, Deduct	*-4.43*	
		For >50 To 200, Deduct	*-8.87*	
		For >200, Deduct	*-13.30*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.87*	
		For Level 3 Biohazard Cleaning, Add	*14.63*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.17	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For >5 To 10, Deduct	*-1.81*	
		For >10 To 50, Deduct	*-3.62*	
		For >50, Deduct	*-7.23*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.23*	
		For Level 3 Biohazard Cleaning, Add	*11.93*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	45.90	
		For >25 To 50, Deduct	*-4.59*	
		For >50 To 200, Deduct	*-9.18*	
		For >200, Deduct	*-13.76*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-9.18*	
		For Level 3 Biohazard Cleaning, Add	*15.14*	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0068)* Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	85.70	
		For Level 1 Biohazard Cleaning, Deduct	*-17.14*	
		For Level 3 Biohazard Cleaning, Add	*28.27*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	39.33	
		For Level 1 Biohazard Cleaning, Deduct	*-7.86*	
		For Level 3 Biohazard Cleaning, Add	*12.97*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.12*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	138.05	
		For Level 1 Biohazard Cleaning, Deduct	*-27.61*	
		For Level 3 Biohazard Cleaning, Add	*45.55*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.50	
		For Level 1 Biohazard Cleaning, Deduct	*-1.70*	
		For Level 3 Biohazard Cleaning, Add	*2.80*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	127.27	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-25.45*	
		For Level 3 Biohazard Cleaning, Add	*41.99*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	13.59	
		For Level 1 Biohazard Cleaning, Deduct	*-2.71*	
		For Level 3 Biohazard Cleaning, Add	*4.48*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.00	
		For Level 1 Biohazard Cleaning, Deduct	*-0.99*	
		For Level 3 Biohazard Cleaning, Add	*1.64*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.27	
		For Level 1 Biohazard Cleaning, Deduct	*-1.24*	
		For Level 3 Biohazard Cleaning, Add	*2.05*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	8.41	
		For Level 1 Biohazard Cleaning, Deduct	*-1.66*	
		For Level 3 Biohazard Cleaning, Add	*2.73*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.89	
		For Level 1 Biohazard Cleaning, Deduct	*-2.33*	
		For Level 3 Biohazard Cleaning, Add	*3.84*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	223.67	
		For Level 1 Biohazard Cleaning, Deduct	*-44.73*	
		For Level 3 Biohazard Cleaning, Add	*73.80*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	15.56	
		For Level 1 Biohazard Cleaning, Deduct	*-3.11*	
		For Level 3 Biohazard Cleaning, Add	*5.13*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	149.11	
		For Level 1 Biohazard Cleaning, Deduct	*-29.82*	
		For Level 3 Biohazard Cleaning, Add	*49.20*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	447.31	
		For Level 1 Biohazard Cleaning, Deduct	*-89.46*	
		For Level 3 Biohazard Cleaning, Add	*147.61*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	37.30	
		Note: Includes removal and reinstallation.		
		For Level 1 Biohazard Cleaning, Deduct	*-7.46*	
		For Level 3 Biohazard Cleaning, Add	*12.30*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.66	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.74	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	103.05
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	438.90
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,228.91
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	164.76
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	453.10
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,235.73
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	35.65
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	98.05
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	267.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	114.41	
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	469.91	
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,419.95	
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	125.94	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	351.06	
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	702.11	
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,404.23	
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	468.08	
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	936.15	
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,872.30	
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,034.55	
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,069.11	
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,138.22	
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,379.41	
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,758.81	
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,517.62	
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,724.26	
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,448.51	
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,897.03	
02 87 19 00-0125	EA	Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	136.90	
02 87 19 00-0126	EA	Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	273.79	
02 87 19 00-0127	EA	Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	821.37	
02 87 19 00-0128	EA	Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,642.75	
02 87 19 00-0129	EA	Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	2,737.91	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	76.76	
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	211.10	
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	575.73	

02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck *(02 87 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	117.26	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.47*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	193.10	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.41*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	199.03	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.49*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	192.41	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.41*	

02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	48.00	

02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	47,933.54	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,608.01	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,624.41	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	7.13	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,092.74	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	34,276.44	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,194.72	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	53,950.56	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	326.04	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	98.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0151		**Bio-Hazard And Infectious Disease Time And Material Tasks** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		**Bio-Hazard And Infectious Disease Control Labor** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	114.35	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	169.88	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	104.85	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	126.00	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	138.60	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.80	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	19.08	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.37	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	132.79	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	41.24	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	405.13	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	55.38	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	100.61	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	21.39	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.27	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,707.95	
02 87 19 00-0170		**Bio-Hazard And Infectious Disease Control Expendables** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	9.20	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.45	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	90.16	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	368.99	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.44	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.91	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.73	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	80.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	47.30	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.89	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.46	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	145.60	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0033 for temporary stud walls.		
02 89 00 00-0003		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.52	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.69	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.92	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.81	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	1.03	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.35	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0010		Decontamination Chambers *(02 89)* Note: Includes cleaning of contaminated materials, removal after use and disposal of plastic barriers. See CSI section 02 89 00 00-0001 for plastic barrier sheets.		
02 89 00 00-0011	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,122.81	
02 89 00 00-0012	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,324.62	
02 89 00 00-0013	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	695.61	
		For Dismantling And Relocation To A Different Area, Add	*459.19*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001		Non-Mold Contaminated Wet Material Removal *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	28.21	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.86	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.57	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.69	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.67	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.05	
02 90 50 00-0008		Cleaning *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		Clean Furnishings *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	29.81	
		For Medium Clean, Add	*12.52*	
		For Heavy Clean, Add	*38.75*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.66	
		For Medium Clean, Add	*0.70*	
		For Heavy Clean, Add	*2.16*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.98	
		For Medium Clean, Add	*1.25*	
		For Heavy Clean, Add	*3.87*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.61	
		For Medium Clean, Add	*3.62*	
		For Heavy Clean, Add	*11.19*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	27.82	
		For Medium Clean, Add	*11.68*	
		For Heavy Clean, Add	*36.17*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	171.56	
		For Medium Clean, Add	*72.06*	
		For Heavy Clean, Add	*223.03*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	35.10	
		For Medium Clean, Add	*14.74*	
		For Heavy Clean, Add	*45.63*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	33.12	
		For Medium Clean, Add	*13.91*	
		For Heavy Clean, Add	*43.06*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	7.27	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.45*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	9.29	
		For Medium Clean, Add	*3.90*	
		For Heavy Clean, Add	*12.08*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.62	
		For Medium Clean, Add	*3.20*	
		For Heavy Clean, Add	*9.91*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.90	
		For Medium Clean, Add	*6.26*	
		For Heavy Clean, Add	*19.37*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.62	
		For Medium Clean, Add	*3.20*	
		For Heavy Clean, Add	*9.91*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.25	
		For Medium Clean, Add	*5.57*	
		For Heavy Clean, Add	*17.23*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.18	
		For Medium Clean, Add	*1.34*	
		For Heavy Clean, Add	*4.13*	
02 90 50 00-0025		Clean Hard Surfaces *(02 90 50 00-0008)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.44	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.57*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.63	
		For Medium Clean, Add	*2.36*	
		For Heavy Clean, Add	*7.32*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.39	
		For Medium Clean, Add	*2.68*	
		For Heavy Clean, Add	*8.31*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.98	
		For Medium Clean, Add	*0.41*	
		For Heavy Clean, Add	*1.27*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.86	
		For Medium Clean, Add	*0.36*	
		For Heavy Clean, Add	*1.12*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.46	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.60*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.40	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.52*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.20	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.26*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	69.85	
		For Medium Clean, Add	*29.34*	
		For Heavy Clean, Add	*90.81*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	87.32	
		For Medium Clean, Add	*36.67*	
		For Heavy Clean, Add	*113.52*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	104.77	
		For Medium Clean, Add	*44.00*	
		For Heavy Clean, Add	*136.20*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	122.24	
		For Medium Clean, Add	*51.34*	
		For Heavy Clean, Add	*158.91*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.76	
		For Medium Clean, Add	*0.32*	
		For Heavy Clean, Add	*0.99*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.64	
		For Medium Clean, Add	*0.69*	
		For Heavy Clean, Add	*2.13*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.87	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.43*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.00	
		For Medium Clean, Add	*0.84*	
		For Heavy Clean, Add	*2.60*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.30	
		For Medium Clean, Add	*0.97*	
		For Heavy Clean, Add	*2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.72	
		For Medium Clean, Add	*5.76*	
		For Heavy Clean, Add	*17.84*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	32.34	
		For Medium Clean, Add	*13.58*	
		For Heavy Clean, Add	*42.04*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	27.94	
		For Medium Clean, Add	*11.73*	
		For Heavy Clean, Add	*36.32*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	19.87	
		For Medium Clean, Add	*8.35*	
		For Heavy Clean, Add	*25.83*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	20.07	
		For Medium Clean, Add	*8.43*	
		For Heavy Clean, Add	*26.09*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	9.21	
		For Medium Clean, Add	*3.87*	
		For Heavy Clean, Add	*11.97*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.93	
		For Medium Clean, Add	*2.49*	
		For Heavy Clean, Add	*7.71*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	16.56	
		For Medium Clean, Add	*6.96*	
		For Heavy Clean, Add	*21.53*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	63.59	
		For Medium Clean, Add	*26.71*	
		For Heavy Clean, Add	*82.67*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.96	
		For Medium Clean, Add	*2.50*	
		For Heavy Clean, Add	*7.75*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	41.28	
		For Medium Clean, Add	*17.34*	
		For Heavy Clean, Add	*53.66*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	36.76	
		For Medium Clean, Add	*15.44*	
		For Heavy Clean, Add	*47.79*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	24.51	
		For Medium Clean, Add	*10.29*	
		For Heavy Clean, Add	*31.86*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	26.49	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.44*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	34.45	
		For Medium Clean, Add	*14.47*	
		For Heavy Clean, Add	*44.79*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	24.18	
		For Medium Clean, Add	*10.16*	
		For Heavy Clean, Add	*31.43*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.90	
		For Medium Clean, Add	*6.68*	
		For Heavy Clean, Add	*20.67*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	7.29	
		For Medium Clean, Add	*3.06*	
		For Heavy Clean, Add	*9.48*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.63	
		For Medium Clean, Add	*2.36*	
		For Heavy Clean, Add	*7.32*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.99	
		For Medium Clean, Add	*0.84*	
		For Heavy Clean, Add	*2.59*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.26	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.32	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.52	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	155.80	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	206.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	154.06	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.69	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.23	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.55	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.77	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.21	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.38	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.67	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.99	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.93	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.36	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.53	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.73	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.55	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.29	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.49	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.25	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.61	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.79	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.95	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.01	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.19	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.35	
02 90 50 00-0115		**Minimum Charge For Disaster Cleanup** *(02 90 50)*		
02 90 50 00-0116	EA	Minimum Charge For Disaster Cleaning	1,484.45	
02 90 50 00-0117	EA	Minimum Charge For Disaster Water Extraction	286.15	
02 90 50 00-0118	EA	Minimum Charge For Disaster Carpet Cleaning	200.60	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	103.60	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	51.79	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.65	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.64	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.55	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.18	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.36	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	310.77	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	41.42	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.16	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.31	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	133.69	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.31	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.31	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.36	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	200.35	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.36	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.36	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.60	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	267.33	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.60	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.60	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.66	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.66	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.66	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	334.10	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.81	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	501.30	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.81	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.81	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.19	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.97	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	103.60	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	145.04	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.19	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.16	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.36	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	41.42	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.72	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.89	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.83	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.56	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.12	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.21	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.53	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	56.04	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	15.29	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	186.46	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	145.04	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	124.31	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	165.75	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	310.77	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	190.64	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	41.42	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.18	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	139.01	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	119.15	
02 90 50 00-0180	EA	Minimum Charge For Up To 48 CF, Irradiation - Gamma For Document Restoration	3,276.74	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.79	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,380.20	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	230.76	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.36	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.48	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.99	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	33.34	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.88	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	44.00	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	60.50	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	99.00	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	82.50	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	115.50	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	165.00	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	121.00	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	60.25	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	82.50	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.50	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.88	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	87.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	105.00	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	94.25	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	68.12	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	66.00	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	54.50	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.50	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	103.05	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	393.10	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,076.25	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.93	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	90.01	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	248.47	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	62.12	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	158.46	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	373.97	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	342.28	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	919.08	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,560.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	773.30	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,041.00	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,501.82	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	73.55	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	208.96	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	718.83	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	68.54	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	183.89	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	476.43	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	109.66	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	312.94	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	874.63	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	1,019.75	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	3,059.25	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	9,177.75	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	80.24	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	180.54	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	481.45	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	100.30	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	225.68	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	601.81	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	75.23	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	106.99	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	292.55	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	819.13	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	130.39	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	443.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	844.21	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	121.22	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	333.35	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	909.15	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	41.79	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	25.08	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	66.87	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	183.89	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	501.51	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	83.58	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	229.86	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	626.89	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	125.38	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,797.18	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	35.65	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	98.05	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	267.40	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	51.34	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	141.18	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	385.05	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	201.84	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	555.07	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,513.82	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	169.78	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	466.88	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,273.31	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	20.06	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	55.17	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	150.45	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	138.46	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	380.76	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,038.43	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	149.40	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	28.42	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.67	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	31.37	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	42.78	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	117.65	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	320.87	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	75.23	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	206.87	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	564.20	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	178.26	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	100.30	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	142.61	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	213.92	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	142.61	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	108.66	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	41.79	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,783.33	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.37	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	36.78	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	100.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	90.34	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	265.80	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	909.77	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	178.14	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	419.90	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,170.62	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	190.86	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	477.15	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,285.14	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.81	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	35.65	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	256.61	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	127.38	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	207.69	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	280.34	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	275.99	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	229.84	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,036.59	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	35.65	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	98.05	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	267.40	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	121.22	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	333.35	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	909.15	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	30.46	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	83.77	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	228.45	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	309.26	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	325.98	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	118.69	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	317.62	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	886.00	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	35.65	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	98.05	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	267.40	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	105.32	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	842.54	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	264.13	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	528.26	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,056.51	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	351.06	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	702.11	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,404.23	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	401.21	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	802.42	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,604.83	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	468.08	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	936.15	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,872.30	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	252.76	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	695.09	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,895.71	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	76.76	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	211.10	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	575.73	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	41.70	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	41.79	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	114.93	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	313.44	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	805.82	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,216.01	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	6,043.67	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	150.45	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	413.75	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,128.40	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,150.12	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,162.83	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,625.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	950.74	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,614.54	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	7,130.56	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	73.84	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	203.07	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	553.83	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	45.23	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	124.38	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	339.22	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	25.08	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	68.96	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	188.07	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	116.30	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	319.84	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	872.28	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	376.13	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,034.36	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,820.99	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,044.81	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,873.23	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,836.09	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	20.06	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	55.17	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	150.45	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	585.10	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,609.01	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,388.21	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	41.79	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	114.93	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	313.44	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	346.14	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	951.90	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,596.08	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	164.76	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	453.10	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,235.73	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	178.26	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	490.23	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,336.98	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	60.87	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	167.40	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	456.55	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	101.46	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	279.00	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	760.91	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	221.05	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	607.88	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,657.85	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	142.61	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	392.18	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,069.58	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	169.78	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	466.88	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,273.31	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	196.94	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	541.58	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,477.04	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	237.68	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	653.63	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,782.64	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	499.14	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,372.63	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,743.54	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	855.67	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,353.08	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,417.50	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,375.86	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,783.61	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,318.92	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,711.33	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,706.16	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,834.99	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,925.25	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,294.43	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,439.36	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,067.86	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,686.61	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,508.95	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,716.40	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,470.10	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	20,373.00	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,852.22	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,843.60	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	21,391.65	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	677.69	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,863.64	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,082.66	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	938.34	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,580.43	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,037.53	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	855.67	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,353.08	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,417.50	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,140.89	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,137.44	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,556.66	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,925.25	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,294.43	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,439.36	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,139.16	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,882.70	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	16,043.74	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	28.52	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	78.44	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	213.92	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	41.79	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	114.93	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	313.44	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,811.79	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,982.42	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	73,588.43	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,290.84	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,184.49	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,130.56	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,673.92	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,964.75	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,475.65	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,645.72	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	10,227.38	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,390.72	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	33.36	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	159.86	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	346.14	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	60.07	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	55.61	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.18	

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.09	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0338		**Emergency Clean-up Personal Protection Equipment** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.80	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.44	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	15.14	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	19.08	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	132.79	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.17	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	6.04	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	32.44	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	41.24	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	45.98	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.15	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	21.39	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.45	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.38	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.81	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.29	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.88	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.59	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.70	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	18.27	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.37	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	20.40	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.42	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	7.13	
02 90 55 00-0365		**Emergency Clean-up Expendables** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0366		**General Materials** *(02 90 55 00-0365)*		
02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	85.57	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	28.50	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	36.36	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.51	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	9.20	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.38	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	7.06	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.70	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	27.52	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	27.32	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	45.78	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	114.31	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.37	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	115.04	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	78.70	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	341.97	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	37.65	
02 90 55 00-0387	GAL	De-Foamer Liquid For Emergency Clean-up	49.48	
02 90 55 00-0388	EA	Deodorization Membrane For Emergency Clean-up	95.84	
02 90 55 00-0389	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	147.91	
02 90 55 00-0390	LB	Deodorizing Gel For Emergency Clean-up	34.75	
02 90 55 00-0391	GAL	Deodorizing Liquid For Emergency Clean-up	50.82	
02 90 55 00-0392	PAIL	Deodorizing Block For Emergency Clean-up	8.74	
02 90 55 00-0393	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	90.16	
02 90 55 00-0394	GAL	BruClean Disinfectant For Emergency Clean-up	40.04	
02 90 55 00-0395	GAL	Dryclean For Emergency Clean-up	39.93	
02 90 55 00-0396	GAL	Duct Sealant Spray For Emergency Clean-up	60.18	
02 90 55 00-0397	GAL	Antifungal Duct Sealant For Emergency Clean-up	86.93	
02 90 55 00-0398	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	133.39	
02 90 55 00-0399	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54	
02 90 55 00-0400	GAL	Encapsulant For Emergency Clean-up	121.10	
02 90 55 00-0401	GAL	Aftershock Fiberlocke For Emergency Clean-up	106.34	
02 90 55 00-0402	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	103.22	
02 90 55 00-0403	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	106.16	
02 90 55 00-0404	ROL	Filter Material For Emergency Clean-up	306.70	
02 90 55 00-0405	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.26	
02 90 55 00-0406	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	655.98	
02 90 55 00-0407	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.15	
02 90 55 00-0408	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	14.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0409	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	49.89	
02 90 55 00-0410	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	474.46	
02 90 55 00-0411	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.52	
02 90 55 00-0412	GAL	Floor Stripper For Emergency Clean-up	18.72	
02 90 55 00-0413	GAL	Floor Wax For Emergency Clean-up	26.75	
02 90 55 00-0414	GAL	Fogger (Thermal) For Emergency Clean-up	156.88	
02 90 55 00-0415	BOX	Furniture Blocks For Emergency Clean-up	126.36	
02 90 55 00-0416	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	17.03	
02 90 55 00-0417	GAL	Glass Cleaner For Emergency Clean-up	11.35	
02 90 55 00-0418	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.86	
02 90 55 00-0419	EA	Halogen Light Bulbs For Emergency Clean-up	19.10	
02 90 55 00-0420	QT	Hand Sanitizer For Emergency Clean-up	9.44	
02 90 55 00-0421	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.77	
02 90 55 00-0422	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	24.20	
02 90 55 00-0423	GAL	HVAC Coal Cleaner For Emergency Clean-up	70.52	
02 90 55 00-0424	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	170.20	
02 90 55 00-0425	EA	Utility Knives For Emergency Clean-up	14.71	
02 90 55 00-0426	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	146.00	
02 90 55 00-0427	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	154.14	
02 90 55 00-0428	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	306.89	
02 90 55 00-0429	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	443.59	
02 90 55 00-0430	GAL	Lemon Oil For Emergency Clean-up	45.64	
02 90 55 00-0431	GAL	LPS 1/Mecca Lube For Emergency Clean-up	48.60	
02 90 55 00-0432	GAL	LPS 2 For Emergency Clean-up	51.43	
02 90 55 00-0433	GAL	LPS Contact Cleaner For Emergency Clean-up	51.19	
02 90 55 00-0434	GAL	Light Lubricant Preserve For Emergency Clean-up	177.67	
02 90 55 00-0435	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.75	
02 90 55 00-0436	GAL	Machinery Cleaning Solvent For Emergency Clean-up	218.49	
02 90 55 00-0437	GAL	Metal Polishing Paste For Emergency Clean-up	32.89	
02 90 55 00-0438	GAL	MediClean® Disinfectant For Emergency Clean-up	54.06	
02 90 55 00-0439	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	66.35	
02 90 55 00-0440	EA	Mop Heads For Emergency Clean-up	8.11	
02 90 55 00-0441	EA	Nylon Scouring Pads For Emergency Clean-up	1.47	
02 90 55 00-0442	GAL	Odor Neutralizer For Emergency Clean-up	45.78	
02 90 55 00-0443	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	88.51	
02 90 55 00-0444	EA	Paint Brushes For Emergency Clean-up	6.69	
02 90 55 00-0445	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	206.41	
02 90 55 00-0446	EA	Putty Knives For Emergency Clean-up	6.06	
02 90 55 00-0447	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	45.04	
02 90 55 00-0448	GAL	Reodorant For Emergency Clean-up	113.68	
02 90 55 00-0449	GAL	Restoracide For Emergency Clean-up	53.32	
02 90 55 00-0450	GAL	Rust Remover For Emergency Clean-up	79.86	
02 90 55 00-0451	EA	Saltesmo Test Samples For Emergency Clean-up	7.42	
02 90 55 00-0452	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.94	
02 90 55 00-0453	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	35.44	
02 90 55 00-0454	EA	Small Scrub Brushes For Emergency Clean-up	16.98	
02 90 55 00-0455	GAL	Clear Soot Sealant For Emergency Clean-up	92.62	
02 90 55 00-0456	GAL	Pigmented Soot Sealant For Emergency Clean-up	249.78	
02 90 55 00-0457	ROL	Shrinkwrap Plastic For Emergency Clean-up	57.50	
02 90 55 00-0458	EA	Dry Sponges For Emergency Clean-up	5.91	
02 90 55 00-0459	EA	Spray Adhesive, Per Can For Emergency Clean-up	6.00	
02 90 55 00-0460	EA	Spray Bot./Trigger For Emergency Clean-up	5.16	
02 90 55 00-0461	GAL	Stain Remover For Emergency Clean-up	41.35	
02 90 55 00-0462	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.30	
02 90 55 00-0463	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.83	
02 90 55 00-0464	LB	Sweeping Compound For Emergency Clean-up	0.72	
02 90 55 00-0465	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.73	
02 90 55 00-0466	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	11.04	
02 90 55 00-0467	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	29.42	
02 90 55 00-0468	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.71	
02 90 55 00-0469	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.85	
02 90 55 00-0470	LB	Terry Towels For Emergency Clean-up	6.89	
02 90 55 00-0471	GAL	Thermal Fog For Emergency Clean-up	93.04	
02 90 55 00-0472	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	36.51	
02 90 55 00-0473	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	88.60	
02 90 55 00-0474	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	113.68	
02 90 55 00-0475	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	145.60	
02 90 55 00-0476	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	48.80	
02 90 55 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up	1.64	
02 90 55 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up	2.19	
02 90 55 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	47.30	
02 90 55 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	128.43	
02 90 55 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	175.24	
02 90 55 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.97	
02 90 55 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	144.24	
02 90 55 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.46	
02 90 55 00-0486	EA	Zip Wall Zippers For Emergency Clean-up	21.89	
02 90 55 00-0487	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	35.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	53.49	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	56.36	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	92.02	

02 90 55 00-0491 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0492	EA	Brush - Brass For Emergency Clean-up	5.02	
02 90 55 00-0493	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.60	
02 90 55 00-0494	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.34	
02 90 55 00-0495	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.14	
02 90 55 00-0496	EA	Brush - Parts For Emergency Clean-up	6.95	
02 90 55 00-0497	EA	Brush - Plastic For Emergency Clean-up	3.61	
02 90 55 00-0498	EA	Brush - Wire Grout For Emergency Clean-up	9.69	
02 90 55 00-0499	EA	Brushing Tool For Emergency Clean-up	18.69	
02 90 55 00-0500	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0501	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40	
02 90 55 00-0502	EA	Contact Restorer, Per Can For Emergency Clean-up	30.40	
02 90 55 00-0503	EA	Contact Spray, Per Can For Emergency Clean-up	20.69	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.21	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	9.19	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.91	
02 90 55 00-0507	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.81	
02 90 55 00-0508	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.30	
02 90 55 00-0509	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.82	
02 90 55 00-0510	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.73	
02 90 55 00-0511	GAL	Electronic Grade Detergent For Emergency Clean-up	41.54	
02 90 55 00-0512	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513	GAL	Isopropyl Alcohol For Emergency Clean-up	110.07	
02 90 55 00-0514	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	179.14	
02 90 55 00-0515	GAL	PC Board Detergent For Emergency Clean-up	85.88	
02 90 55 00-0516	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	141.18	
02 90 55 00-0517	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	142.24	
02 90 55 00-0518	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	152.04	
02 90 55 00-0519	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.81	
02 90 55 00-0520	EA	Wire Marker Card For Emergency Clean-up	2.34	
02 90 55 00-0521	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.57	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 **Abrasive Blasting** *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	4.07
		For Up To 100, Add	*3.56*
		For >100 To 250, Add	*0.89*
		For >250 To 500, Add	*0.45*
		For >5,000 To 10,000, Deduct	*-0.09*
		For >10,000, Deduct	*-0.18*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.84
		For Up To 100, Add	*7.10*
		For >100 To 250, Add	*1.78*
		For >250 To 500, Add	*0.89*
		For >5,000 To 10,000, Deduct	*-0.18*
		For >10,000, Deduct	*-0.36*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 **Concrete Resurfacing/Repair** *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 **Concrete Repair** *(03 01 30 71-0001)*

03 01 30 71-0003 **Decks Or Floors** *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.41
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	22.93
03 01 30 71-0006	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.65

03 01 30 71-0007 **Verticals Or Overheads** *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	11.13
03 01 30 71-0009	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.73
03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.62
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.90
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	17.48

03 01 30 71-0013 **Circular Piers** *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.89
03 01 30 71-0015	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	23.85

03 01 30 71-0016 **Bridge Deck Treatment** *(03 01 30 71-0002)*

03 01 30 71-0017	SF	Sweep Bridge Deck	0.02
03 01 30 71-0018	SF	Clean Bridge Deck	0.04
03 01 30 71-0019	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.44

03 01 30 71-0020 **Concrete Finishes** *(03 01 30 71-0001)*

03 01 30 71-0021 **Concrete Patching** *(03 01 30 71-0020)*

03 01 30 71-0022 **Walls** *(03 01 30 71-0021)*

03 01 30 71-0023	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	188.00
		For Up To 10, Add	*67.48*
		For >10 To 25, Add	*40.49*
		For >25 To 50, Add	*26.99*
		For >50 To 75, Add	*13.50*
03 01 30 71-0024	BAG	Sika Grout 212, 50 Lb. Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	129.65
		For Up To 10, Add	*42.73*
		For >10 To 25, Add	*25.64*
		For >25 To 50, Add	*17.09*
		For >50 To 75, Add	*8.55*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0025	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	45.16	
03 01 30 71-0026	BAG	Pea Gravel	33.72	

03 01 30 71-0027 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0028 Non-Structural Crack Repair For Concrete *(03 01 30 71-0027)*

03 01 30 71-0029 Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0028)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0030	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.94	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0031	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	9.07	
		For V-Grooving Crack With Grinder, Add	*5.40*	
03 01 30 71-0032	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	7.08	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.36	
		For V-Grooving Crack With Grinder, Add	*5.40*	
03 01 30 71-0034	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.62	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0035	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.44	
		For V-Grooving Crack With Grinder, Add	*5.40*	
03 01 30 71-0036	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	8.01	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0037	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	11.22	
		For V-Grooving Crack With Grinder, Add	*5.40*	

03 01 30 71-0038 Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0028)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0039	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	32.21	
		For Cracks Accessible From Both Sides, Add	*6.56*	

03 01 30 71-0040 Structural Crack Repair For Concrete *(03 01 30 71-0027)*

03 01 30 71-0041 Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0040)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.

03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	8.11	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0043	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.42	
		For V-Grooving Crack With Grinder, Add	*5.40*	
03 01 30 71-0044	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.90	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	11.00	
		For V-Grooving Crack With Grinder, Add	*5.40*	
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.64	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0047	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.49	
		For V-Grooving Crack With Grinder, Add	*5.40*	

03 01 30 71-0048 Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0040)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0049	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	28.03	
		For Cracks Accessible From Both Sides, Add	*6.56*	
03 01 30 71-0050	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	27.82	
		For Cracks Accessible From Both Sides, Add	*6.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0051		Pool Deck Texture Repair *(03 01 30 71-0001)*		
03 01 30 71-0052	SF	Pool Deck Texture Repair Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.	20.79	
03 01 30 71-0053		Carbon Fiber Strengthening System *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0054	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	111.15	
		For >500 To 1,000, Deduct	*-7.36*	
		For >1,000 To 2,500, Deduct	*-9.94*	
		For >2,500, Deduct	*-12.92*	
03 01 30 71-0055	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	99.62	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000 To 2,500, Deduct	*-8.79*	
		For >2,500, Deduct	*-11.47*	
03 01 30 71-0056	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	93.14	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,500, Deduct	*-8.14*	
		For >2,500, Deduct	*-10.66*	
03 01 30 71-0057	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	89.53	
		For >500 To 1,000, Deduct	*-5.74*	
		For >1,000 To 2,500, Deduct	*-7.78*	
		For >2,500, Deduct	*-10.21*	
03 01 30 71-0058	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	84.49	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000 To 2,500, Deduct	*-7.28*	
		For >2,500, Deduct	*-9.58*	
03 01 30 71-0059		Corrosive Inhibitor *(03 01 30 71)*		
03 01 30 71-0060	SF	Corrosive Inhibitor	6.36	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.44	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	7.99	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.53	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.60	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	17.20	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	15.36	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	30.72	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.64	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	12.94	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.22	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	18.43	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.14	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	14.75	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.11	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	19.66	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	42.30	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	98.30	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	36.86	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	19.66	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	19.66	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	32.97	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	54.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	105.49	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	146.52	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.92	
		For <1,000, Add	*1.86*	
		For Foundations >8' Below Grade, Add	*1.80*	
		For Curved Formwork, Add	*3.61*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.82	
		For <1,000, Add	*2.24*	
		For Foundations >8' Below Grade, Add	*2.18*	
		For Curved Formwork, Add	*4.35*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	13.66	
		For <1,000, Add	*2.62*	
		For Foundations >8' Below Grade, Add	*2.57*	
		For Curved Formwork, Add	*5.13*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	11.40	
		For <1,000, Add	*2.17*	
		For Foundations >8' Below Grade, Add	*2.11*	
		For Curved Formwork, Add	*4.23*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	16.20	
		For <1,000, Add	*3.07*	
		For Foundations >8' Below Grade, Add	*2.99*	
		For Curved Formwork, Add	*5.98*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.68	
		For Foundations >8' Below Grade, Add	*1.44*	
		For Curved Formwork, Add	*2.88*	
		For Up To 250, Add	*1.47*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.97	
		For Foundations >8' Below Grade, Add	*2.01*	
		For Curved Formwork, Add	*4.01*	
		For Up To 250, Add	*2.07*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	14.06	
		For Foundations >8' Below Grade, Add	*2.60*	
		For Curved Formwork, Add	*5.19*	
		For <1,000, Add	*2.67*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	59.20
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	85.94
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	108.07
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	155.29
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	222.91
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	294.72

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	18.12	
		For Curved Formwork, Add	*6.75*	
		For <1,000, Add	*3.46*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	21.48	
		For Curved Formwork, Add	*8.02*	
		For <1,000, Add	*4.10*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	23.80	
		For Curved Formwork, Add	*8.81*	
		For <1,000, Add	*4.52*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	15.03	
		For Curved Formwork, Add	*5.62*	
		For <1,000, Add	*2.88*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.99	
		For <1,000, Add	*2.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0027		**Metal Framed Formwork** *(03 11 13)* Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)* Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.88	
		For <1,000, Add	*1.77*	
		For Foundations >8' Below Grade, Add	*1.67*	
		For Curved Formwork, Add	*3.33*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.91	
		For <1,000, Add	*1.97*	
		For Foundations >8' Below Grade, Add	*1.87*	
		For Curved Formwork, Add	*3.73*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	12.30	
		For <1,000, Add	*2.20*	
		For Foundations >8' Below Grade, Add	*2.06*	
		For Curved Formwork, Add	*4.13*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	10.38	
		For <1,000, Add	*1.85*	
		For Foundations >8' Below Grade, Add	*1.73*	
		For Curved Formwork, Add	*3.47*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing.	15.66	
		For <1,000, Add	*2.85*	
		For Foundations >8' Below Grade, Add	*2.71*	
		For Curved Formwork, Add	*5.41*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.70	
		For Foundations >8' Below Grade, Add	*1.30*	
		For Curved Formwork, Add	*2.59*	
		For <250, Add	*1.31*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.39	
		For Foundations >8' Below Grade, Add	*1.61*	
		For Curved Formwork, Add	*3.22*	
		For <250, Add	*1.63*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	9.30	
		For Foundations >8' Below Grade, Add	*1.78*	
		For Curved Formwork, Add	*3.56*	
		For <1,000, Add	*1.81*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	60.86	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	73.79	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	86.74	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	103.52	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	124.84	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	150.15	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	192.81	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	238.16	
03 11 13 00-0048		**Round Columns** *(03 11 13 00-0038)*		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	66.98	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	73.93	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	84.23	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	97.10	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	113.90	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	129.91	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	171.11	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	230.01	
03 11 13 00-0057		**Above Grade Wall Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.92	
		For Curved Formwork, Add	*3.12*	
		For <1,000, Add	*1.70*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	12.18	
		For Curved Formwork, Add	*3.77*	
		For <1,000, Add	*2.07*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.71	
		For Curved Formwork, Add	*2.90*	
		For <1,000, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.45	
		For Curved Formwork, Add	*2.29*	
		For <1,000, Add	*1.26*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.85	
		For <1,000, Add	*1.93*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	23.43	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.34*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	24.76	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.48*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	27.50	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.75*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	33.95	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.40*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	38.09	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.81*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	41.44	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*4.14*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	44.59	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.46*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	50.65	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*5.07*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	53.02	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.30*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	55.69	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.57*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	57.95	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*5.80*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	60.19	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*6.02*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	62.46	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.25*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	72.02	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*7.20*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	112.46	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.25*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	136.68	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.67*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	245.05	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.51*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	272.76	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*27.28*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.85	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	3.00	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.48	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	4.02	
03 11 13 00-0092		**Strip Out Reglets For Concrete Formwork** *(03 11 13 00-0085)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	14.64	

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	17.00	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.45	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.72	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	27.87	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	35.87	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	77.01	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.77	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	9.14	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	12.02	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	23.06	
		For Curved Formwork, Add	*8.91*	
		For <1,000, Add	*4.51*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	45.77	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*17.46*	
		For <1,000, Add	*8.87*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	19.94	
		For Curved Formwork, Add	*7.40*	
		For <1,000, Add	*3.80*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	36.57	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*13.69*	
		For <1,000, Add	*7.00*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.99
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	12.27
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.57
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.90
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	23.02
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.61
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.67
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.98
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	20.09

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	12.20
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	13.89
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	12.45
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.70
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	14.21
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	17.88

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.57
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	14.42
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	16.13
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	18.14

03 15 16 Concrete Construction Joints *(03 15)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0001		**Poured Expansion Joint** *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.46	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.78	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.04	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	10.05	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.93	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	10.94	0.96
		For Installation In Walls, Add	*2.93*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.85	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.74	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.38	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0011		**Premolded Expansion Joints** *(03 15 16)*		
03 15 16 00-0012		**Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.11	1.43
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.57	1.50
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.85	1.57
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.15	1.64
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.41	1.43
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.80	1.50
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.29	1.57
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.97	1.64
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	3.08	1.36
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.36	1.43
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.68	1.50
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.97	1.57
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.31	1.64
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.80	1.71
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	5.17	1.79
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.81	1.86
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.70	1.50
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.27	1.57
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	5.24	1.71
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	9.12	2.36
03 15 16 00-0033		**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	5.36	1.50
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	6.04	1.64
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	6.58	1.71
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	9.26	1.79
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	9.86	1.86
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	10.88	2.36
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	12.63	2.36
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	13.44	2.36
03 15 16 00-0042		**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.37	1.50
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.53	1.57
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.72	1.64
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.34	1.71
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.47	1.50
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.64	1.57
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.78	1.64
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.17	1.71
03 15 16 00-0051		**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.41	1.50
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.73	1.57
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	4.16	1.71
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.42	1.43
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.50	1.43
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.61	1.08
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.52	1.08
		>1,250, Deduct	*-0.08*	

03 15 16 00-0061 Keyed Cold Expansion And Control Joints *(03 15 16)*

03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*

03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.97
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	8.09
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	8.38
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.83
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.73

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.73
		For Galvanized, Add	*3.80*
		For Stainless Steel, Add	*26.57*
		For >10 To 50, Deduct	*-0.41*
		For >50 To 100, Deduct	*-1.00*
		For >100, Deduct	*-2.01*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.43
		For Galvanized, Add	*4.84*
		For Stainless Steel, Add	*33.85*
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.12*
		For >100, Deduct	*-2.24*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.82
		For Galvanized, Add	*6.66*
		For Stainless Steel, Add	*46.62*
		For >10 To 50, Deduct	*-0.48*
		For >50 To 100, Deduct	*-1.28*
		For >100, Deduct	*-2.57*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.90
		For Galvanized, Add	*8.70*
		For Stainless Steel, Add	*60.90*
		For >10 To 50, Deduct	*-0.48*
		For >50 To 100, Deduct	*-1.39*
		For >100, Deduct	*-2.77*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.58
		For Galvanized, Add	*11.62*
		For Stainless Steel, Add	*81.31*
		For >10 To 50, Deduct	*-0.52*
		For >50 To 100, Deduct	*-1.62*
		For >100, Deduct	*-3.23*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.94
		For Galvanized, Add	*13.28*
		For Stainless Steel, Add	*92.93*
		For >10 To 50, Deduct	*-0.57*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.61*

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.75
		For Galvanized, Add	*13.18*
		For Stainless Steel, Add	*92.26*
		For >10 To 50, Deduct	*-0.57*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.60*
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.39
		For Galvanized, Add	*15.37*
		For Stainless Steel, Add	*107.56*
		For >10 To 50, Deduct	*-0.63*
		For >50 To 100, Deduct	*-2.03*
		For >100, Deduct	*-4.07*
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.60
		For Galvanized, Add	*19.68*
		For Stainless Steel, Add	*137.76*
		For >10 To 50, Deduct	*-0.71*
		For >50 To 100, Deduct	*-2.41*
		For >100, Deduct	*-4.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.56	
		For Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*173.60*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.28	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.65*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.43	
		For Galvanized, Add	*21.58*	
		For Stainless Steel, Add	*151.03*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.51	
		For Galvanized, Add	*28.76*	
		For Stainless Steel, Add	*201.32*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.34*	
		For >100, Deduct	*-6.67*	
03 15 19 00-0018		**1" And 1-1/8" Diameter** *(03 15 19 00-0002)*		
03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	62.89	
		For Galvanized, Add	*23.31*	
		For Stainless Steel, Add	*163.14*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.59*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	75.08	
		For Galvanized, Add	*28.05*	
		For Stainless Steel, Add	*196.32*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.60*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	93.10	
		For Galvanized, Add	*35.16*	
		For Stainless Steel, Add	*246.12*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.04*	
		For >100, Deduct	*-8.07*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	114.40	
		For Galvanized, Add	*42.96*	
		For Stainless Steel, Add	*300.72*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-5.00*	
		For >100, Deduct	*-9.99*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.13	
		For Galvanized, Add	*29.14*	
		For Stainless Steel, Add	*203.95*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.49*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	90.97	
		For Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*245.46*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-7.67*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	112.93	
		For Galvanized, Add	*43.96*	
		For Stainless Steel, Add	*307.69*	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-4.70*	
		For >100, Deduct	*-9.40*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	138.67	
		For Galvanized, Add	*53.70*	
		For Stainless Steel, Add	*375.90*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.81*	
		For >100, Deduct	*-11.62*	
03 15 19 00-0027		**1-1/4" And 1-1/2" Diameter** *(03 15 19 00-0002)*		
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.62	
		For Galvanized, Add	*36.42*	
		For Stainless Steel, Add	*254.91*	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	110.76	
		For Galvanized, Add	*43.84*	
		For Stainless Steel, Add	*306.85*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-9.00*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	137.62	
		For Galvanized, Add	*54.96*	
		For Stainless Steel, Add	*384.69*	
		For >10 To 50, Deduct	*-1.39*	
		For >50 To 100, Deduct	*-5.52*	
		For >100, Deduct	*-11.04*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	168.86	
		For Galvanized, Add	*67.12*	
		For Stainless Steel, Add	*469.81*	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-6.82*	
		For >100, Deduct	*-13.64*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.24	
		For Galvanized, Add	*45.52*	
		For Stainless Steel, Add	*318.64*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-8.99*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	135.48	
		For Galvanized, Add	*54.79*	
		For Stainless Steel, Add	*383.53*	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-5.33*	
		For >100, Deduct	*-10.66*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	168.49	
		For Galvanized, Add	*68.71*	
		For Stainless Steel, Add	*480.94*	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-6.54*	
		For >100, Deduct	*-13.09*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	206.64	
		For Galvanized, Add	*83.91*	
		For Stainless Steel, Add	*587.34*	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-8.08*	
		For >100, Deduct	*-16.16*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.81	
		For Galvanized, Add	*10.08*	
		For Stainless Steel, Add	*70.53*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.13	
		For Galvanized, Add	*12.45*	
		For Stainless Steel, Add	*87.12*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.09*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.82	
		For Galvanized, Add	*14.27*	
		For Stainless Steel, Add	*99.89*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.63	
		For Galvanized, Add	*14.82*	
		For Stainless Steel, Add	*103.74*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.28*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.88	
		For Galvanized, Add	*15.55*	
		For Stainless Steel, Add	*108.85*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.11*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.23	
		For Galvanized, Add	*12.50*	
		For Stainless Steel, Add	*87.47*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.39	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.71*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.37	
		For Galvanized, Add	*16.69*	
		For Stainless Steel, Add	*116.83*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.73*	
		For >100, Deduct	*-5.47*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.44	
		For Galvanized, Add	*17.33*	
		For Stainless Steel, Add	*121.31*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.29*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.90	
		For Galvanized, Add	*18.21*	
		For Stainless Steel, Add	*127.47*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-7.52*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.33	
		For Galvanized, Add	*16.03*	
		For Stainless Steel, Add	*112.18*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.86*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.03	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.60*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.08	
		For Galvanized, Add	*20.15*	
		For Stainless Steel, Add	*141.05*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.57*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.97	
		For Galvanized, Add	*21.10*	
		For Stainless Steel, Add	*147.70*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.06*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	72.67	
		For Galvanized, Add	*22.10*	
		For Stainless Steel, Add	*154.67*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.95*	
		For >100, Deduct	*-7.91*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.85	
		For Galvanized, Add	*25.61*	
		For Stainless Steel, Add	*179.24*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-4.44*	
		For >100, Deduct	*-8.89*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.91	
		For Galvanized, Add	*29.97*	
		For Stainless Steel, Add	*209.76*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-5.30*	
		For >100, Deduct	*-10.59*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.14	
		For Galvanized, Add	*21.08*	
		For Stainless Steel, Add	*147.53*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.91*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.96	
		For Galvanized, Add	*23.59*	
		For Stainless Steel, Add	*165.13*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.13	
		For Galvanized, Add	*24.68*	
		For Stainless Steel, Add	*172.76*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.42*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.75	
		For Galvanized, Add	*25.49*	
		For Stainless Steel, Add	*178.40*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.10*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.13	
		For Galvanized, Add	*29.83*	
		For Stainless Steel, Add	*208.78*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.34*	
		For >100, Deduct	*-8.68*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.55	
		For Galvanized, Add	*33.79*	
		For Stainless Steel, Add	*236.50*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.69*	
		For >100, Deduct	*-9.37*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.93	
		For Galvanized, Add	*38.15*	
		For Stainless Steel, Add	*267.02*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-5.07*	
		For >100, Deduct	*-10.14*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.59	
		For Galvanized, Add	*41.49*	
		For Stainless Steel, Add	*290.43*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-5.64*	
		For >100, Deduct	*-11.27*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.55	
		For Galvanized, Add	*44.43*	
		For Stainless Steel, Add	*311.01*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.29*	
		For >100, Deduct	*-12.58*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.59	
		For Galvanized, Add	*47.56*	
		For Stainless Steel, Add	*332.92*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-7.13*	
		For >100, Deduct	*-14.25*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.14	
		For Galvanized, Add	*52.59*	
		For Stainless Steel, Add	*368.10*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-8.33*	
		For >100, Deduct	*-16.65*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.51	
		For Galvanized, Add	*31.87*	
		For Stainless Steel, Add	*223.06*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.87*	
		For >100, Deduct	*-7.74*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.07	
		For Galvanized, Add	*37.30*	
		For Stainless Steel, Add	*261.07*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.71*	
		For >100, Deduct	*-9.43*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.43	
		For Galvanized, Add	*42.23*	
		For Stainless Steel, Add	*295.58*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.11*	
		For >100, Deduct	*-10.22*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	126.99	
		For Galvanized, Add	*47.68*	
		For Stainless Steel, Add	*333.73*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-5.55*	
		For >100, Deduct	*-11.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.36	
		For Galvanized, Add	*51.88*	
		For Stainless Steel, Add	*363.13*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.15*	
		For >100, Deduct	*-12.31*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.79	
		For Galvanized, Add	*55.55*	
		For Stainless Steel, Add	*388.85*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.85*	
		For >100, Deduct	*-13.69*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	167.34	
		For Galvanized, Add	*59.94*	
		For Stainless Steel, Add	*419.55*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-7.74*	
		For >100, Deduct	*-15.49*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.45	
		For Galvanized, Add	*65.74*	
		For Stainless Steel, Add	*460.18*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-8.98*	
		For >100, Deduct	*-17.97*	
03 15 19 00-0076		1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.24	
		For Galvanized, Add	*44.17*	
		For Stainless Steel, Add	*309.19*	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-4.80*	
		For >100, Deduct	*-9.60*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.63	
		For Galvanized, Add	*46.33*	
		For Stainless Steel, Add	*324.28*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.31*	
		For >100, Deduct	*-10.63*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.45	
		For Galvanized, Add	*50.97*	
		For Stainless Steel, Add	*356.79*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-5.90*	
		For >100, Deduct	*-11.80*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.99	
		For Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*389.83*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.35*	
		For >100, Deduct	*-12.69*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	158.80	
		For Galvanized, Add	*60.41*	
		For Stainless Steel, Add	*422.87*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-6.82*	
		For >100, Deduct	*-13.64*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	173.74	
		For Galvanized, Add	*64.96*	
		For Stainless Steel, Add	*454.72*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-7.63*	
		For >100, Deduct	*-15.26*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	192.33	
		For Galvanized, Add	*70.27*	
		For Stainless Steel, Add	*491.89*	
		For >10 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-8.69*	
		For >100, Deduct	*-17.39*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	219.16	
		For Galvanized, Add	*77.93*	
		For Stainless Steel, Add	*545.51*	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-10.23*	
		For >100, Deduct	*-20.45*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.39	
		For Galvanized, Add	*66.46*	
		For Stainless Steel, Add	*465.19*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-6.17*	
		For >100, Deduct	*-12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	167.44	
		For Galvanized, Add	*67.90*	
		For Stainless Steel, Add	*475.30*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-6.56*	
		For >100, Deduct	*-13.12*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.49	
		For Galvanized, Add	*68.99*	
		For Stainless Steel, Add	*482.93*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-6.80*	
		For >100, Deduct	*-13.60*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	194.98	
		For Galvanized, Add	*79.69*	
		For Stainless Steel, Add	*557.80*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-7.55*	
		For >100, Deduct	*-15.09*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	224.66	
		For Galvanized, Add	*91.99*	
		For Stainless Steel, Add	*643.90*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-8.67*	
		For >100, Deduct	*-17.34*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	233.86	
		For Galvanized, Add	*93.20*	
		For Stainless Steel, Add	*652.37*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-9.41*	
		For >100, Deduct	*-18.81*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	258.25	
		For Galvanized, Add	*100.64*	
		For Stainless Steel, Add	*704.48*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-10.73*	
		For >100, Deduct	*-21.46*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	288.00	
		For Galvanized, Add	*108.40*	
		For Stainless Steel, Add	*758.77*	
		For >10 To 50, Deduct	*-3.56*	
		For >50 To 100, Deduct	*-12.54*	
		For >100, Deduct	*-25.08*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	235.83	
		For Galvanized, Add	*101.16*	
		For Stainless Steel, Add	*708.12*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.41*	
		For >100, Deduct	*-16.82*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	256.71	
		For Galvanized, Add	*109.37*	
		For Stainless Steel, Add	*765.56*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-9.27*	
		For >100, Deduct	*-18.53*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	282.23	
		For Galvanized, Add	*119.21*	
		For Stainless Steel, Add	*834.44*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-10.34*	
		For >100, Deduct	*-20.68*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	304.28	
		For Galvanized, Add	*126.25*	
		For Stainless Steel, Add	*883.72*	
		For >10 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-11.49*	
		For >100, Deduct	*-22.98*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	328.28	
		For Galvanized, Add	*135.66*	
		For Stainless Steel, Add	*949.59*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-12.48*	
		For >100, Deduct	*-24.96*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	353.01	
		For Galvanized, Add	*144.86*	
		For Stainless Steel, Add	*1,013.99*	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-13.57*	
		For >100, Deduct	*-27.15*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	392.53	
		For Galvanized, Add	*155.57*	
		For Stainless Steel, Add	*1,088.99*	
		For >10 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-31.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	423.45	
		For Galvanized, Add	*171.03*	
		For Stainless Steel, Add	*1,197.21*	
		For >10 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-16.69*	
		For >100, Deduct	*-33.38*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	475.17	
		For Galvanized, Add	*190.12*	
		For Stainless Steel, Add	*1,330.81*	
		For >10 To 50, Deduct	*-4.75*	
		For >50 To 100, Deduct	*-19.00*	
		For >100, Deduct	*-38.00*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	483.01	
		For Galvanized, Add	*224.75*	
		For Stainless Steel, Add	*1,573.25*	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-14.59*	
		For >100, Deduct	*-29.18*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	507.83	
		For Galvanized, Add	*234.93*	
		For Stainless Steel, Add	*1,644.48*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-15.54*	
		For >100, Deduct	*-31.09*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	553.35	
		For Galvanized, Add	*254.77*	
		For Stainless Steel, Add	*1,783.36*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-34.24*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	588.78	
		For Galvanized, Add	*268.50*	
		For Stainless Steel, Add	*1,879.47*	
		For >10 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-18.60*	
		For >100, Deduct	*-37.21*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	622.74	
		For Galvanized, Add	*282.89*	
		For Stainless Steel, Add	*1,980.20*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-19.84*	
		For >100, Deduct	*-39.68*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	661.31	
		For Galvanized, Add	*299.01*	
		For Stainless Steel, Add	*2,093.04*	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-21.28*	
		For >100, Deduct	*-42.56*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	712.40	
		For Galvanized, Add	*315.51*	
		For Stainless Steel, Add	*2,208.54*	
		For >10 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-23.91*	
		For >100, Deduct	*-47.83*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	544.48	
		For Galvanized, Add	*254.44*	
		For Stainless Steel, Add	*1,781.05*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-32.57*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	585.03	
		For Galvanized, Add	*272.17*	
		For Stainless Steel, Add	*1,905.19*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-17.68*	
		For >100, Deduct	*-35.36*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	627.60	
		For Galvanized, Add	*290.07*	
		For Stainless Steel, Add	*2,030.46*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-38.50*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	669.35	
		For Galvanized, Add	*306.19*	
		For Stainless Steel, Add	*2,143.33*	
		For >10 To 50, Deduct	*-2.85*	
		For >50 To 100, Deduct	*-21.01*	
		For >100, Deduct	*-42.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	710.91	
		For Galvanized, Add	*323.81*	
		For Stainless Steel, Add	*2,266.64*	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-22.52*	
		For >100, Deduct	*-45.04*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	768.84	
		For Galvanized, Add	*348.82*	
		For Stainless Steel, Add	*2,441.71*	
		For >10 To 50, Deduct	*-3.56*	
		For >50 To 100, Deduct	*-24.56*	
		For >100, Deduct	*-49.12*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	830.93	
		For Galvanized, Add	*368.00*	
		For Stainless Steel, Add	*2,575.97*	
		For >10 To 50, Deduct	*-4.75*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-55.79*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.04	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.39	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	8.82	
		For Up To 100, Add	*4.36*	
		For >100 To 200, Add	*2.34*	
		For >200 To 300, Add	*1.17*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.24	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	20.97	
		For Up To 100, Add	*10.68*	
		For >100 To 200, Add	*5.66*	
		For >200 To 300, Add	*2.83*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.12	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.28	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.70	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*2.03*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.20	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.23*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	12.79	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.44*	
		For >200 To 300, Add	*1.72*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	21.94	
		For Up To 100, Add	*11.27*	
		For >100 To 200, Add	*5.95*	
		For >200 To 300, Add	*2.97*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.24	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.03	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.04	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.22	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.62	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.10	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.65	
		For Up To 100, Add	*6.39*	
		For >100 To 200, Add	*3.39*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	21.70	
		For Up To 100, Add	*11.12*	
		For >100 To 200, Add	*5.88*	
		For >200 To 300, Add	*2.94*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.46	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.05	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.05*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.29	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.16	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.09	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.27	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*0.99*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	7.66	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.12	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.40*	
		For >200 To 300, Add	*1.20*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	12.64	
		For Up To 100, Add	*6.26*	
		For >100 To 200, Add	*3.35*	
		For >200 To 300, Add	*1.68*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	21.59	
		For Up To 100, Add	*10.87*	
		For >100 To 200, Add	*5.78*	
		For >200 To 300, Add	*2.89*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.24	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.28	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.51	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	7.97	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.09*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	9.50	
		For Up To 100, Add	*4.68*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.19	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.52*	
		For >200 To 300, Add	*1.76*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	22.56	
		For Up To 100, Add	*11.45*	
		For >100 To 200, Add	*6.07*	
		For >200 To 300, Add	*3.04*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.24	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.45	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.89	
		For Up To 100, Add	*3.83*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.40	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.48*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.05	
		For Up To 100, Add	*6.51*	
		For >100 To 200, Add	*3.47*	
		For >200 To 300, Add	*1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	22.32	
		For Up To 100, Add	*11.31*	
		For >100 To 200, Add	*6.00*	
		For >200 To 300, Add	*3.00*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.03	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.25*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.59	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.67	
		For Up To 100, Add	*3.45*	
		For >100 To 200, Add	*1.97*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	6.96	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.16*	
		For Up To 100, Add	*3.48*	
		For >100 To 200, Add	*1.86*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.35	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.95*	
		For >200 To 400, Add	*1.41*	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.24*	
		For >200 To 300, Add	*1.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	11.64	
		For Up To 100, Add	*7.37*	
		For >100 To 200, Add	*4.14*	
		For >200 To 400, Add	*1.99*	
		For Up To 100, Add	*5.96*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	20.01	
		For Up To 100, Add	*12.86*	
		For >100 To 200, Add	*7.20*	
		For >200 To 400, Add	*3.47*	
		For Up To 100, Add	*10.40*	
		For >100 To 200, Add	*5.47*	
		For >200 To 300, Add	*2.73*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.99*	
		For >200 To 400, Add	*0.46*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.78	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.27	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*1.95*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	8.73	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.36*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	12.19	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.32*	
		For >200 To 300, Add	*1.66*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	20.98	
		For Up To 100, Add	*10.98*	
		For >100 To 200, Add	*5.76*	
		For >200 To 300, Add	*2.88*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.09	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.89	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.19	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*1.92*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.63	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.05	
		For Up To 100, Add	*6.21*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	20.74	
		For Up To 100, Add	*10.83*	
		For >100 To 200, Add	*5.69*	
		For >200 To 300, Add	*2.84*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*0.88*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.85	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.49	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.55*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.41*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.92*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.83	
		For Up To 100, Add	*3.44*	
		For >100 To 200, Add	*1.83*	
		For >200 To 300, Add	*0.91*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.20	
		For Up To 100, Add	*4.18*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.43	
		For Up To 100, Add	*5.90*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	19.70	
		For Up To 100, Add	*10.30*	
		For >100 To 200, Add	*5.40*	
		For >200 To 300, Add	*2.70*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.68	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*3.59*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.14	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*1.92*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.58	
		For Up To 100, Add	*4.40*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.98	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	20.67	
		For Up To 100, Add	*10.88*	
		For >100 To 200, Add	*5.70*	
		For >200 To 300, Add	*2.85*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.03	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.64	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.73	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*2.01*	
		For >200 To 400, Add	*0.96*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.06	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*1.90*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.48	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.30*	
		For >200 To 300, Add	*1.15*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.84	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.62*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	20.43	
		For Up To 100, Add	*10.74*	
		For >100 To 200, Add	*5.62*	
		For >200 To 300, Add	*2.81*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.15	
		For Up To 100, Add	*0.84*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.60	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.41	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.18*	
		For >200 To 400, Add	*0.56*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.50*	
		For >200 To 400, Add	*0.72*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.32	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.90*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.78*	
		For >200 To 300, Add	*0.89*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.04	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.03*	
		For >200 To 300, Add	*1.52*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	19.07	
		For Up To 100, Add	*10.11*	
		For >100 To 200, Add	*5.28*	
		For >200 To 300, Add	*2.64*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.24*	
		For >200 To 400, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.56	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*1.98*	
		For >200 To 400, Add	*0.95*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.87	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*1.87*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.26	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.59	
		For Up To 100, Add	*6.11*	
		For >100 To 200, Add	*3.20*	
		For >200 To 300, Add	*1.60*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	20.04	
		For Up To 100, Add	*10.70*	
		For >100 To 200, Add	*5.57*	
		For >200 To 300, Add	*2.78*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.52	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.43	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*3.46*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.79	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.16	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.45	
		For Up To 100, Add	*6.03*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	19.80	
		For Up To 100, Add	*10.55*	
		For >100 To 200, Add	*5.50*	
		For >200 To 300, Add	*2.75*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.65	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.11	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.86*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.19	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.32	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.16*	
		For >200 To 400, Add	*0.55*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.19	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.71*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*3.29*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.75*	
		For >200 To 300, Add	*0.87*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	10.84	
		For Up To 100, Add	*5.72*	
		For >100 To 200, Add	*2.99*	
		For >200 To 300, Add	*1.50*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	18.76	
		For Up To 100, Add	*10.02*	
		For >100 To 200, Add	*5.22*	
		For >200 To 300, Add	*2.61*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.22*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.38	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.55*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.45	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.94*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	6.73	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.11	
		For Up To 100, Add	*4.26*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	11.39	
		For Up To 100, Add	*6.05*	
		For >100 To 200, Add	*3.16*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	19.73	
		For Up To 100, Add	*10.60*	
		For >100 To 200, Add	*5.51*	
		For >200 To 300, Add	*2.75*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*0.94*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.20*	
		For >200 To 400, Add	*0.57*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.34	
		For Up To 100, Add	*2.73*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.39	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.92*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.65	
		For Up To 100, Add	*3.45*	
		For >100 To 200, Add	*1.82*	
		For >200 To 300, Add	*0.91*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.01	
		For Up To 100, Add	*4.20*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.25	
		For Up To 100, Add	*5.97*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.56*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	19.49	
		For Up To 100, Add	*10.46*	
		For >100 To 200, Add	*5.44*	
		For >200 To 300, Add	*2.72*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	278.12

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	151.34

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.66
		For Up To 12" Length, Deduct	*-0.46*
		For >12" To <24" Length, Deduct	*-0.23*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.37
		For Up To 12" Length, Deduct	*-0.60*
		For >12" To <24" Length, Deduct	*-0.30*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.39
		For Up To 12" Length, Deduct	*-0.95*
		For >12" To <24" Length, Deduct	*-0.48*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.63
		For Up To 12" Length, Deduct	*-1.38*
		For >12" To <24" Length, Deduct	*-0.69*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	7.88
		For Up To 12" Length, Deduct	*-1.92*
		For >12" To <24" Length, Deduct	*-0.96*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	9.96	
		For Up To 12" Length, Deduct	*-2.46*	
		For >12" To <24" Length, Deduct	*-1.23*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	11.76	
		For Up To 12" Length, Deduct	*-3.03*	
		For >12" To <24" Length, Deduct	*-1.51*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	14.48	
		For Up To 12" Length, Deduct	*-3.96*	
		For >12" To <24" Length, Deduct	*-1.98*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	17.23	
		For Up To 12" Length, Deduct	*-4.89*	
		For >12" To <24" Length, Deduct	*-2.44*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,608.31	
		For Grade 75, Add	*127.56*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,562.54	
		For Grade 75, Add	*127.56*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,527.63	
		For Grade 75, Add	*127.56*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,470.51	
		For Grade 75, Add	*127.56*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,393.29	
		For Grade 75, Add	*127.56*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,358.73	
		For Grade 75, Add	*130.70*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,294.08	
		For Grade 75, Add	*130.70*	

03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	33.93
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	35.42

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	70.96
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	113.85

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	38.35
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	59.71
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	90.29

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.70	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.57	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.73*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.64	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.92	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.20	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.70	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.72*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.50	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.42	
		For Up To 100, Add	*5.92*	
		For >100 To 200, Add	*3.12*	
		For >200 To 300, Add	*1.56*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.99	
		For Up To 100, Add	*8.39*	
		For >100 To 200, Add	*4.40*	
		For >200 To 300, Add	*2.20*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	27.62	
		For Up To 100, Add	*14.67*	
		For >100 To 200, Add	*7.65*	
		For >200 To 300, Add	*3.83*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.07	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.39	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.08*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.95	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.35*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.80	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.66*	
		For >200 To 300, Add	*1.33*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	11.80	
		For Up To 100, Add	*6.15*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.62*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	16.53	
		For Up To 100, Add	*8.72*	
		For >100 To 200, Add	*4.56*	
		For >200 To 300, Add	*2.28*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	28.60	
		For Up To 100, Add	*15.26*	
		For >100 To 200, Add	*7.95*	
		For >200 To 300, Add	*3.97*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*
Note: ASTM A-767 Hot Dipped Galvanized Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.71	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.80	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.40	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.93	
		For Up To 100, Add	*4.90*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.33*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.77	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.31*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	11.72	
		For Up To 100, Add	*6.01*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	16.39	
		For Up To 100, Add	*8.51*	
		For >100 To 200, Add	*4.48*	
		For >200 To 300, Add	*2.24*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	28.24	
		For Up To 100, Add	*14.86*	
		For >100 To 200, Add	*7.78*	
		For >200 To 300, Add	*3.89*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.00	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.59	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.18	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.88*	
		For >200 To 400, Add	*1.38*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.07	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.10	
		For Up To 100, Add	*6.24*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.65*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.93	
		For Up To 100, Add	*8.84*	
		For >100 To 200, Add	*4.64*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	29.22	
		For Up To 100, Add	*15.45*	
		For >100 To 200, Add	*8.07*	
		For >200 To 300, Add	*4.04*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.62	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.79*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.90	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.33	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.63*	
		For >200 To 400, Add	*1.27*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.07	
		For Up To 100, Add	*4.74*	
		For >100 To 200, Add	*2.49*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	10.95	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.02*	
		For >200 To 300, Add	*1.51*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	15.39	
		For Up To 100, Add	*8.21*	
		For >100 To 200, Add	*4.28*	
		For >200 To 300, Add	*2.14*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	26.66	
		For Up To 100, Add	*14.39*	
		For >100 To 200, Add	*7.46*	
		For >200 To 300, Add	*3.73*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.65	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.82	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.09	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.58	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.73*	
		For >200 To 400, Add	*1.32*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.37	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.33	
		For Up To 100, Add	*6.01*	
		For >100 To 200, Add	*3.14*	
		For >200 To 300, Add	*1.57*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	15.93	
		For Up To 100, Add	*8.54*	
		For >100 To 200, Add	*4.44*	
		For >200 To 300, Add	*2.22*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	27.64	
		For Up To 100, Add	*14.97*	
		For >100 To 200, Add	*7.76*	
		For >200 To 300, Add	*3.88*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.36	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.29	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.37*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.64	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.59	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.78*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.80	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.21	
		For Up To 100, Add	*4.65*	
		For >100 To 200, Add	*2.60*	
		For >200 To 400, Add	*1.25*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.94	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.46*	
		For >200 To 300, Add	*1.23*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.80	
		For Up To 100, Add	*5.74*	
		For >100 To 200, Add	*2.99*	
		For >200 To 300, Add	*1.50*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.18	
		For Up To 100, Add	*8.15*	
		For >100 To 200, Add	*4.23*	
		For >200 To 300, Add	*2.12*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	26.35	
		For Up To 100, Add	*14.29*	
		For >100 To 200, Add	*7.40*	
		For >200 To 300, Add	*3.70*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.70*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.24	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.28*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.18	
		For Up To 100, Add	*5.96*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.55*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	15.72	
		For Up To 100, Add	*8.47*	
		For >100 To 200, Add	*4.40*	
		For >200 To 300, Add	*2.20*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	27.33	
		For Up To 100, Add	*14.88*	
		For >100 To 200, Add	*7.69*	
		For >200 To 300, Add	*3.85*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*
Note: ASTM A-767 Hot Dipped Galvanized Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.22	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.37*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.33	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.41	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.59	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.98*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.98	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.54*	
		For >200 To 400, Add	*1.23*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.67	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.20*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.48	
		For Up To 100, Add	*5.64*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.79	
		For Up To 100, Add	*8.03*	
		For >100 To 200, Add	*4.16*	
		For >200 To 300, Add	*2.08*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	25.72	
		For Up To 100, Add	*14.10*	
		For >100 To 200, Add	*7.27*	
		For >200 To 300, Add	*3.64*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.44	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.78	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.02*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.23	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.64*	
		For >200 To 400, Add	*1.28*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.97	
		For Up To 100, Add	*4.80*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.86	
		For Up To 100, Add	*5.87*	
		For >100 To 200, Add	*3.04*	
		For >200 To 300, Add	*1.52*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.33	
		For Up To 100, Add	*8.36*	
		For >100 To 200, Add	*4.32*	
		For >200 To 300, Add	*2.16*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	26.70	
		For Up To 100, Add	*14.69*	
		For >100 To 200, Add	*7.57*	
		For >200 To 300, Add	*3.78*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.08	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.47	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.24	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.32	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*2.00*	
		For >200 To 400, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.87	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.52*	
		For >200 To 400, Add	*1.22*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.53	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.38*	
		For >200 To 300, Add	*1.19*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.33	
		For Up To 100, Add	*5.60*	
		For >100 To 200, Add	*2.90*	
		For >200 To 300, Add	*1.45*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	14.59	
		For Up To 100, Add	*7.97*	
		For >100 To 200, Add	*4.12*	
		For >200 To 300, Add	*2.06*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	25.41	
		For Up To 100, Add	*14.01*	
		For >100 To 200, Add	*7.21*	
		For >200 To 300, Add	*3.61*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.37	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.78*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.69	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.01*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.12	
		For Up To 100, Add	*4.72*	
		For >100 To 200, Add	*2.62*	
		For >200 To 400, Add	*1.27*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.83	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	10.71	
		For Up To 100, Add	*5.82*	
		For >100 To 200, Add	*3.01*	
		For >200 To 300, Add	*1.51*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.13	
		For Up To 100, Add	*8.30*	
		For >100 To 200, Add	*4.28*	
		For >200 To 300, Add	*2.14*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	26.39	
		For Up To 100, Add	*14.60*	
		For >100 To 200, Add	*7.51*	
		For >200 To 300, Add	*3.75*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.66	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.51	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.69	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.81	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.06	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.52	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.27*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.27	
		For Up To 100, Add	*4.73*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.14	
		For Up To 100, Add	*5.75*	
		For >100 To 200, Add	*3.03*	
		For >200 To 300, Add	*1.52*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.58	
		For Up To 100, Add	*8.15*	
		For >100 To 200, Add	*4.27*	
		For >200 To 300, Add	*2.14*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	26.90	
		For Up To 100, Add	*14.24*	
		For >100 To 200, Add	*7.44*	
		For >200 To 300, Add	*3.72*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.82*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.25	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.77	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.75*	
		For >200 To 400, Add	*1.32*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.58	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.52	
		For Up To 100, Add	*5.98*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.57*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.13	
		For Up To 100, Add	*8.48*	
		For >100 To 200, Add	*4.44*	
		For >200 To 300, Add	*2.22*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	27.87	
		For Up To 100, Add	*14.82*	
		For >100 To 200, Add	*7.73*	
		For >200 To 300, Add	*3.86*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*
Note: ASTM A-775 Epoxy Coated Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.75	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.75	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.81	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.98	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.17*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.75	
		For Up To 100, Add	*4.77*	
		For >100 To 200, Add	*2.71*	
		For >200 To 400, Add	*1.29*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.56*	
		For >200 To 300, Add	*1.28*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.44	
		For Up To 100, Add	*5.84*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.98	
		For Up To 100, Add	*8.27*	
		For >100 To 200, Add	*4.35*	
		For >200 To 300, Add	*2.18*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	27.52	
		For Up To 100, Add	*14.43*	
		For >100 To 200, Add	*7.56*	
		For >200 To 300, Add	*3.78*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.13	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.45	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.00	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.81*	
		For >200 To 400, Add	*1.34*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.85	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.33*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	11.82	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.21*	
		For >200 To 300, Add	*1.60*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	16.53	
		For Up To 100, Add	*8.60*	
		For >100 To 200, Add	*4.52*	
		For >200 To 300, Add	*2.26*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	28.49	
		For Up To 100, Add	*15.01*	
		For >100 To 200, Add	*7.85*	
		For >200 To 300, Add	*3.93*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.36	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.58	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.64*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.60*	
		For >200 To 400, Add	*0.77*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.76	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.05*	
		For >200 To 400, Add	*0.98*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.15	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.56*	
		For >200 To 400, Add	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.84	
		For Up To 100, Add	*4.61*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	10.67	
		For Up To 100, Add	*5.61*	
		For >100 To 200, Add	*2.94*	
		For >200 To 300, Add	*1.47*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	14.98	
		For Up To 100, Add	*7.97*	
		For >100 To 200, Add	*4.15*	
		For >200 To 300, Add	*2.08*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	25.94	
		For Up To 100, Add	*13.95*	
		For >100 To 200, Add	*7.25*	
		For >200 To 300, Add	*3.62*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.71	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.95	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.40	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.66*	
		For >200 To 400, Add	*1.28*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.15	
		For Up To 100, Add	*4.79*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.05	
		For Up To 100, Add	*5.84*	
		For >100 To 200, Add	*3.05*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	15.53	
		For Up To 100, Add	*8.30*	
		For >100 To 200, Add	*4.32*	
		For >200 To 300, Add	*2.16*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	26.91	
		For Up To 100, Add	*14.54*	
		For >100 To 200, Add	*7.54*	
		For >200 To 300, Add	*3.77*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.21	
		For Up To 100, Add	*2.54*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.43	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.48	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.66	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.97*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.03	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.53*	
		For >200 To 400, Add	*1.22*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.71	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.20*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.52	
		For Up To 100, Add	*5.57*	
		For >100 To 200, Add	*2.91*	
		For >200 To 300, Add	*1.45*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.77	
		For Up To 100, Add	*7.90*	
		For >100 To 200, Add	*4.11*	
		For >200 To 300, Add	*2.06*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	25.63	
		For Up To 100, Add	*13.86*	
		For >100 To 200, Add	*7.18*	
		For >200 To 300, Add	*3.59*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.63	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.28	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.63*	
		For >200 To 400, Add	*1.27*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.02	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.49*	
		For >200 To 300, Add	*1.24*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.90	
		For Up To 100, Add	*5.80*	
		For >100 To 200, Add	*3.02*	
		For >200 To 300, Add	*1.51*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.32	
		For Up To 100, Add	*8.23*	
		For >100 To 200, Add	*4.28*	
		For >200 To 300, Add	*2.14*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	26.60	
		For Up To 100, Add	*14.44*	
		For >100 To 200, Add	*7.47*	
		For >200 To 300, Add	*3.74*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.13*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.47	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.24	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.37*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.14	
		For Up To 100, Add	*2.55*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.25	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.30	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.74*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.45	
		For Up To 100, Add	*3.52*	
		For >100 To 200, Add	*1.97*	
		For >200 To 400, Add	*0.95*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.80	
		For Up To 100, Add	*4.44*	
		For >100 To 200, Add	*2.47*	
		For >200 To 400, Add	*1.19*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.44	
		For Up To 100, Add	*4.49*	
		For >100 To 200, Add	*2.34*	
		For >200 To 300, Add	*1.17*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.20	
		For Up To 100, Add	*5.47*	
		For >100 To 200, Add	*2.84*	
		For >200 To 300, Add	*1.42*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.38	
		For Up To 100, Add	*7.79*	
		For >100 To 200, Add	*4.03*	
		For >200 To 300, Add	*2.02*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	25.00	
		For Up To 100, Add	*13.67*	
		For >100 To 200, Add	*7.06*	
		For >200 To 300, Add	*3.53*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.45	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.60*	
		For >200 To 400, Add	*0.77*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.64	
		For Up To 100, Add	*3.67*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.05	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.57*	
		For >200 To 400, Add	*1.24*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.75	
		For Up To 100, Add	*4.67*	
		For >100 To 200, Add	*2.43*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.58	
		For Up To 100, Add	*5.70*	
		For >100 To 200, Add	*2.96*	
		For >200 To 300, Add	*1.48*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.93	
		For Up To 100, Add	*8.12*	
		For >100 To 200, Add	*4.20*	
		For >200 To 300, Add	*2.10*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	25.97	
		For Up To 100, Add	*14.25*	
		For >100 To 200, Add	*7.35*	
		For >200 To 300, Add	*3.67*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.00	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.52*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.18	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.21	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.52*	
		For >200 To 400, Add	*0.73*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.49*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.94*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.69	
		For Up To 100, Add	*4.40*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.30	
		For Up To 100, Add	*4.44*	
		For >100 To 200, Add	*2.31*	
		For >200 To 300, Add	*1.16*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.05	
		For Up To 100, Add	*5.43*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.41*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	14.18	
		For Up To 100, Add	*7.73*	
		For >100 To 200, Add	*3.99*	
		For >200 To 300, Add	*2.00*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	24.69	
		For Up To 100, Add	*13.58*	
		For >100 To 200, Add	*7.00*	
		For >200 To 300, Add	*3.50*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.29	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.36	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.98*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.94	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.54*	
		For >200 To 400, Add	*1.23*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.61	
		For Up To 100, Add	*4.63*	
		For >100 To 200, Add	*2.40*	
		For >200 To 300, Add	*1.20*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.43	
		For Up To 100, Add	*5.66*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	14.73	
		For Up To 100, Add	*8.06*	
		For >100 To 200, Add	*4.16*	
		For >200 To 300, Add	*2.08*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	25.66	
		For Up To 100, Add	*14.16*	
		For >100 To 200, Add	*7.29*	
		For >200 To 300, Add	*3.64*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete, 05 05 19 00-0181 for chemical adhesive.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.04	
		For Up To 12" Length, Deduct	*-0.64*	
		For >12" To <24" Length, Deduct	*-0.32*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.16	
		For Up To 12" Length, Deduct	*-0.97*	
		For >12" To <24" Length, Deduct	*-0.49*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.92	
		For Up To 12" Length, Deduct	*-1.45*	
		For >12" To <24" Length, Deduct	*-0.72*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.11	
		For Up To 12" Length, Deduct	*-1.92*	
		For >12" To <24" Length, Deduct	*-0.96*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.43	
		For Up To 12" Length, Deduct	*-2.62*	
		For >12" To <24" Length, Deduct	*-1.31*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	15.65	
		For Up To 12" Length, Deduct	*-3.22*	
		For >12" To <24" Length, Deduct	*-1.61*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	18.50	
		For Up To 12" Length, Deduct	*-3.90*	
		For >12" To <24" Length, Deduct	*-1.95*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	22.27	
		For Up To 12" Length, Deduct	*-4.73*	
		For >12" To <24" Length, Deduct	*-2.36*	

03 21 16 00-0178 Epoxy Coated Deformed Straight Dowel Assemblies *(03 21 16)*

Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar

03 21 16 00-0179	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	60.07
03 21 16 00-0180	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	67.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0181	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	75.79	
03 21 16 00-0182	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	88.45	
03 21 16 00-0183	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	96.27	
03 21 16 00-0184	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	115.25	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.91
		For >5 Ton, Deduct	*-0.14*
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.05
		For >5 Ton, Deduct	*-0.16*
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.19
		For >5 Ton, Deduct	*-0.18*
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.40
		For >5 Ton, Deduct	*-0.20*
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.10
		For >5 Ton, Deduct	*-0.16*
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.23
		For >5 Ton, Deduct	*-0.18*
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.54
		For >5 Ton, Deduct	*-0.21*
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.80
		For >5 Ton, Deduct	*-0.25*
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.68
		For >5 Ton, Deduct	*-0.22*
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.31
		For >5 Ton, Deduct	*-0.29*
		For Galvanized, Add	*0.58*
		For Epoxy Coated, Add	*1.15*
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	3.10
		For >5 Ton, Deduct	*-0.38*

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.01
		For >5 Ton, Deduct	*-0.15*
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.17
		For >5 Ton, Deduct	*-0.17*
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.34
		For >5 Ton, Deduct	*-0.19*
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.62
		For >5 Ton, Deduct	*-0.22*
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.23
		For >5 Ton, Deduct	*-0.18*
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.40
		For >5 Ton, Deduct	*-0.20*
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.82
		For >5 Ton, Deduct	*-0.24*
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.15
		For >5 Ton, Deduct	*-0.28*

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	3.58
		For >5 Ton, Deduct	*-0.56*

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.00
		For >5 Ton, Deduct	*-0.15*
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.15
		For >5 Ton, Deduct	*-0.17*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.32	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.59	
		For >5 Ton, Deduct	*-0.22*	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.22	
		For >5 Ton, Deduct	*-0.17*	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.38	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.78	
		For >5 Ton, Deduct	*-0.24*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.11	
		For >5 Ton, Deduct	*-0.28*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.66
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.13

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0039 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	215.17
		For 2,000 PSI Concrete, Deduct	*-9.55*
		For 2,500 PSI Concrete, Deduct	*-4.78*
		For 3,500 PSI Concrete, Add	*8.85*
		For 3,750 PSI Concrete, Add	*12.03*
		For 4,000 PSI Concrete, Add	*15.22*
		For 4,500 PSI Concrete, Add	*17.69*
		For 5,000 PSI Concrete, Add	*20.17*
		For 6,000 PSI Concrete, Add	*47.77*
		For White Cement Concrete, Add	*21.23*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*
		For Lightweight Aggregate, ASTM C330, Add	*61.93*
		For Up To 20, Add	*15.29*
		For >20 To 50, Add	*5.73*
		For >100 To 200, Deduct	*-4.30*
		For >200 To 400, Deduct	*-8.61*
		For >400, Deduct	*-12.91*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	263.27
		For 2,000 PSI Concrete, Deduct	*-9.56*
		For 2,500 PSI Concrete, Deduct	*-4.78*
		For 3,500 PSI Concrete, Add	*8.85*
		For 3,750 PSI Concrete, Add	*12.03*
		For 4,000 PSI Concrete, Add	*15.22*
		For 4,500 PSI Concrete, Add	*17.70*
		For 5,000 PSI Concrete, Add	*20.17*
		For 6,000 PSI Concrete, Add	*47.78*
		For White Cement Concrete, Add	*21.23*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*
		For Lightweight Aggregate, ASTM C330, Add	*61.93*
		For Up To 20, Add	*34.53*
		For >20 To 50, Add	*12.95*
		For >100 To 200, Deduct	*-5.27*
		For >200 To 400, Deduct	*-10.53*
		For >400, Deduct	*-15.80*

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	200.53
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	192.92

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	21.72	
		For Up To 25 CF, Add	*2.55*	
		For 2,000 PSI Concrete, Deduct	*-0.41*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.38*	
		For 3,750 PSI Concrete, Add	*0.51*	
		For 4,000 PSI Concrete, Add	*0.65*	
		For 4,500 PSI Concrete, Add	*0.76*	
		For 5,000 PSI Concrete, Add	*0.86*	
		For 6,000 PSI Concrete, Add	*2.04*	
		For White Cement Concrete, Add	*0.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.98*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.76*	
		For Lightweight Aggregate, ASTM C330, Add	*2.65*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.65	
		For 2,000 PSI Concrete, Deduct	*-0.23*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.34*	
		For 5,000 PSI Concrete, Add	*0.39*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.47*	
		For >500 To 1,000, Add	*2.39*	
		For >1,000 To 2,000, Add	*1.30*	
		For >2,000 To 5,000, Add	*0.65*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000 To 35,000, Deduct	*-0.43*	
		For >35,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 70,000, Deduct	*-0.86*	
		For >70,000, Deduct	*-1.08*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.45	
		For 2,000 PSI Concrete, Deduct	*-0.26*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For 4,500 PSI Concrete, Add	*0.39*	
		For 5,000 PSI Concrete, Add	*0.44*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.72*	
		For >500 To 1,000, Add	*2.56*	
		For >1,000 To 2,000, Add	*1.40*	
		For >2,000 To 5,000, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000 To 35,000, Deduct	*-0.48*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.95*	
		For >70,000, Deduct	*-1.19*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.57	
		For 2,000 PSI Concrete, Deduct	*-0.31*	
		For 2,500 PSI Concrete, Deduct	*-0.15*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.36*	
		For 4,500 PSI Concrete, Add	*0.45*	
		For 5,000 PSI Concrete, Add	*0.52*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.06*	
		For >500 To 1,000, Add	*2.80*	
		For >1,000 To 2,000, Add	*1.54*	
		For >2,000 To 5,000, Add	*0.77*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.55*	
		For >35,000 To 50,000, Deduct	*-0.81*	
		For >50,000 To 70,000, Deduct	*-1.08*	
		For >70,000, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.64	
		For 2,000 PSI Concrete, Deduct	*-0.35*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.41*	
		For 4,500 PSI Concrete, Add	*0.52*	
		For 5,000 PSI Concrete, Add	*0.60*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.36*	
		For >500 To 1,000, Add	*3.02*	
		For >1,000 To 2,000, Add	*1.67*	
		For >2,000 To 5,000, Add	*0.84*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000 To 35,000, Deduct	*-0.62*	
		For >35,000 To 50,000, Deduct	*-0.91*	
		For >50,000 To 70,000, Deduct	*-1.20*	
		For >70,000, Deduct	*-1.49*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.55	
		For 2,000 PSI Concrete, Deduct	*-0.39*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.46*	
		For 4,500 PSI Concrete, Add	*0.57*	
		For 5,000 PSI Concrete, Add	*0.66*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.63*	
		For >500 To 1,000, Add	*3.21*	
		For >1,000 To 2,000, Add	*1.78*	
		For >2,000 To 5,000, Add	*0.89*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000 To 35,000, Deduct	*-0.68*	
		For >35,000 To 50,000, Deduct	*-0.99*	
		For >50,000 To 70,000, Deduct	*-1.30*	
		For >70,000, Deduct	*-1.62*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.87	
		For 2,000 PSI Concrete, Deduct	*-0.50*	
		For 2,500 PSI Concrete, Deduct	*-0.25*	
		For 3,500 PSI Concrete, Add	*0.17*	
		For 4,000 PSI Concrete, Add	*0.58*	
		For 4,500 PSI Concrete, Add	*0.73*	
		For 5,000 PSI Concrete, Add	*0.84*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*5.25*	
		For >500 To 1,000, Add	*3.65*	
		For >1,000 To 2,000, Add	*2.06*	
		For >2,000 To 5,000, Add	*1.03*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000 To 35,000, Deduct	*-0.83*	
		For >35,000 To 50,000, Deduct	*-1.20*	
		For >50,000 To 70,000, Deduct	*-1.57*	
		For >70,000, Deduct	*-1.95*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.67	
		For 2,000 PSI Concrete, Deduct	*-0.57*	
		For 2,500 PSI Concrete, Deduct	*-0.29*	
		For 3,500 PSI Concrete, Add	*0.20*	
		For 4,000 PSI Concrete, Add	*0.67*	
		For 4,500 PSI Concrete, Add	*0.84*	
		For 5,000 PSI Concrete, Add	*0.96*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*5.77*	
		For >500 To 1,000, Add	*4.03*	
		For >1,000 To 2,000, Add	*2.28*	
		For >2,000 To 5,000, Add	*1.14*	
		For >10,000 To 20,000, Deduct	*-0.53*	
		For >20,000 To 35,000, Deduct	*-0.95*	
		For >35,000 To 50,000, Deduct	*-1.36*	
		For >50,000 To 70,000, Deduct	*-1.78*	
		For >70,000, Deduct	*-2.20*	

03 31 13 00-0010 **Concrete Delivery And Placement** *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0011 **Place Concrete By Method Indicated** *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 **Place Concrete Pile Caps** *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	321.55	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*57.84*	
		For >20 To 50, Add	*21.69*	
		For >100 To 200, Deduct	*-6.43*	
		For >200 To 400, Deduct	*-12.86*	
		For >400, Deduct	*-19.29*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	240.42	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*25.39*	
		For >20 To 50, Add	*9.52*	
		For >100 To 200, Deduct	*-4.81*	
		For >200 To 400, Deduct	*-9.62*	
		For >400, Deduct	*-14.43*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	252.14	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*24.18*	
		For >20 To 50, Add	*9.07*	
		For >100 To 200, Deduct	*-5.04*	
		For >200 To 400, Deduct	*-10.09*	
		For >400, Deduct	*-15.13*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	305.48	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*51.41*	
		For >20 To 50, Add	*19.28*	
		For >100 To 200, Deduct	*-6.11*	
		For >200 To 400, Deduct	*-12.22*	
		For >400, Deduct	*-18.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	233.36	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*22.57*	
		For >20 To 50, Add	*8.46*	
		For >100 To 200, Deduct	*-4.67*	
		For >200 To 400, Deduct	*-9.33*	
		For >400, Deduct	*-14.00*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	245.42	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*21.49*	
		For >20 To 50, Add	*8.06*	
		For >100 To 200, Deduct	*-4.91*	
		For >200 To 400, Deduct	*-9.82*	
		For >400, Deduct	*-14.73*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	393.83	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*86.76*	
		For >20 To 50, Add	*32.53*	
		For >100 To 200, Deduct	*-7.88*	
		For >200 To 400, Deduct	*-15.75*	
		For >400, Deduct	*-23.63*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	272.15	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*38.08*	
		For >20 To 50, Add	*14.28*	
		For >100 To 200, Deduct	*-5.44*	
		For >200 To 400, Deduct	*-10.89*	
		For >400, Deduct	*-16.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	282.36	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*36.27*	
		For >20 To 50, Add	*13.60*	
		For >100 To 200, Deduct	*-5.65*	
		For >200 To 400, Deduct	*-11.29*	
		For >400, Deduct	*-16.94*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	215.50	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*15.42*	
		For >20 To 50, Add	*5.78*	
		For >100 To 200, Deduct	*-4.31*	
		For >200 To 400, Deduct	*-8.62*	
		For >400, Deduct	*-12.93*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	193.87	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*6.77*	
		For >20 To 50, Add	*2.54*	
		For >100 To 200, Deduct	*-3.88*	
		For >200 To 400, Deduct	*-7.75*	
		For >400, Deduct	*-11.63*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	205.79	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*5.64*	
		For >20 To 50, Add	*2.12*	
		For >100 To 200, Deduct	*-4.12*	
		For >200 To 400, Deduct	*-8.23*	
		For >400, Deduct	*-12.35*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	279.78	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*41.13*	
		For >20 To 50, Add	*15.42*	
		For >100 To 200, Deduct	*-5.60*	
		For >200 To 400, Deduct	*-11.19*	
		For >400, Deduct	*-16.79*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	222.07	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*18.05*	
		For >20 To 50, Add	*6.77*	
		For >100 To 200, Deduct	*-4.44*	
		For >200 To 400, Deduct	*-8.88*	
		For >400, Deduct	*-13.32*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	234.68	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*17.20*	
		For >20 To 50, Add	*6.45*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.39*	
		For >400, Deduct	*-14.08*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	282.18	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*42.10*	
		For >20 To 50, Add	*15.79*	
		For >100 To 200, Deduct	*-5.64*	
		For >200 To 400, Deduct	*-11.29*	
		For >400, Deduct	*-16.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	256.80	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*31.94*	
		For >20 To 50, Add	*11.98*	
		For >100 To 200, Deduct	*-5.14*	
		For >200 To 400, Deduct	*-10.27*	
		For >400, Deduct	*-15.41*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	223.13	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*18.48*	
		For >20 To 50, Add	*6.93*	
		For >100 To 200, Deduct	*-4.46*	
		For >200 To 400, Deduct	*-8.93*	
		For >400, Deduct	*-13.39*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	211.99	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*14.02*	
		For >20 To 50, Add	*5.26*	
		For >100 To 200, Deduct	*-4.24*	
		For >200 To 400, Deduct	*-8.48*	
		For >400, Deduct	*-12.72*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	230.19	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*15.40*	
		For >20 To 50, Add	*5.78*	
		For >100 To 200, Deduct	*-4.60*	
		For >200 To 400, Deduct	*-9.21*	
		For >400, Deduct	*-13.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	220.90	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*11.68*	
		For >20 To 50, Add	*4.38*	
		For >100 To 200, Deduct	*-4.42*	
		For >200 To 400, Deduct	*-8.84*	
		For >400, Deduct	*-13.25*	
03 31 13 00-0039		Place Concrete Stairs *(03 31 13 00-0011)*		
03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	650.46	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*189.40*	
		For >20 To 50, Add	*71.03*	
		For >100 To 200, Deduct	*-13.01*	
		For >200 To 400, Deduct	*-26.02*	
		For >400, Deduct	*-39.03*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	384.81	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*83.15*	
		For >20 To 50, Add	*31.18*	
		For >100 To 200, Deduct	*-7.70*	
		For >200 To 400, Deduct	*-15.39*	
		For >400, Deduct	*-23.09*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	364.94	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*69.30*	
		For >20 To 50, Add	*25.99*	
		For >100 To 200, Deduct	*-7.30*	
		For >200 To 400, Deduct	*-14.60*	
		For >400, Deduct	*-21.90*	
03 31 13 00-0043		Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)* See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044		Place Elevated Concrete Beams *(03 31 13 00-0043)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	434.00	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*102.82*	
		For >20 To 50, Add	*38.56*	
		For >100 To 200, Deduct	*-8.68*	
		For >200 To 400, Deduct	*-17.36*	
		For >400, Deduct	*-26.04*	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	299.15	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*42.98*	
		For >20 To 50, Add	*16.12*	
		For >100 To 200, Deduct	*-5.98*	
		For >200 To 400, Deduct	*-11.97*	
		For >400, Deduct	*-17.95*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	297.96	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*48.41*	
		For >20 To 50, Add	*18.15*	
		For >100 To 200, Deduct	*-5.96*	
		For >200 To 400, Deduct	*-11.92*	
		For >400, Deduct	*-17.88*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	268.76	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*36.73*	
		For >20 To 50, Add	*13.77*	
		For >100 To 200, Deduct	*-5.38*	
		For >200 To 400, Deduct	*-10.75*	
		For >400, Deduct	*-16.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	242.29	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*20.24*	
		For >20 To 50, Add	*7.59*	
		For >100 To 200, Deduct	*-4.85*	
		For >200 To 400, Deduct	*-9.69*	
		For >400, Deduct	*-14.54*	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	230.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*15.35*	
		For >20 To 50, Add	*5.76*	
		For >100 To 200, Deduct	*-4.60*	
		For >200 To 400, Deduct	*-9.20*	
		For >400, Deduct	*-13.80*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	454.58	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*111.05*	
		For >20 To 50, Add	*41.64*	
		For >100 To 200, Deduct	*-9.09*	
		For >200 To 400, Deduct	*-18.18*	
		For >400, Deduct	*-27.27*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	378.73	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*80.72*	
		For >20 To 50, Add	*30.27*	
		For >100 To 200, Deduct	*-7.57*	
		For >200 To 400, Deduct	*-15.15*	
		For >400, Deduct	*-22.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	324.49	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*59.02*	
		For >20 To 50, Add	*22.13*	
		For >100 To 200, Deduct	*-6.49*	
		For >200 To 400, Deduct	*-12.98*	
		For >400, Deduct	*-19.47*	
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	300.34	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*49.36*	
		For >20 To 50, Add	*18.51*	
		For >100 To 200, Deduct	*-6.01*	
		For >200 To 400, Deduct	*-12.01*	
		For >400, Deduct	*-18.02*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	307.75	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*46.42*	
		For >20 To 50, Add	*17.41*	
		For >100 To 200, Deduct	*-6.16*	
		For >200 To 400, Deduct	*-12.31*	
		For >400, Deduct	*-18.47*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	276.05	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*33.74*	
		For >20 To 50, Add	*12.65*	
		For >100 To 200, Deduct	*-5.52*	
		For >200 To 400, Deduct	*-11.04*	
		For >400, Deduct	*-16.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	253.37	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*24.67*	
		For >20 To 50, Add	*9.25*	
		For >100 To 200, Deduct	*-5.07*	
		For >200 To 400, Deduct	*-10.13*	
		For >400, Deduct	*-15.20*	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	243.27	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*20.63*	
		For >20 To 50, Add	*7.74*	
		For >100 To 200, Deduct	*-4.87*	
		For >200 To 400, Deduct	*-9.73*	
		For >400, Deduct	*-14.60*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	437.22	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*104.11*	
		For >20 To 50, Add	*39.04*	
		For >100 To 200, Deduct	*-8.74*	
		For >200 To 400, Deduct	*-17.49*	
		For >400, Deduct	*-26.23*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	415.64	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*95.48*	
		For >20 To 50, Add	*35.81*	
		For >100 To 200, Deduct	*-8.31*	
		For >200 To 400, Deduct	*-16.63*	
		For >400, Deduct	*-24.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	359.14	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*72.88*	
		For >20 To 50, Add	*27.33*	
		For >100 To 200, Deduct	*-7.18*	
		For >200 To 400, Deduct	*-14.37*	
		For >400, Deduct	*-21.55*	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	291.19	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*45.70*	
		For >20 To 50, Add	*17.14*	
		For >100 To 200, Deduct	*-5.82*	
		For >200 To 400, Deduct	*-11.65*	
		For >400, Deduct	*-17.47*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	268.33	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*36.56*	
		For >20 To 50, Add	*13.71*	
		For >100 To 200, Deduct	*-5.37*	
		For >200 To 400, Deduct	*-10.73*	
		For >400, Deduct	*-16.10*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	256.91	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*31.99*	
		For >20 To 50, Add	*12.00*	
		For >100 To 200, Deduct	*-5.14*	
		For >200 To 400, Deduct	*-10.28*	
		For >400, Deduct	*-15.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	300.50	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*43.52*	
		For >20 To 50, Add	*16.32*	
		For >100 To 200, Deduct	*-6.01*	
		For >200 To 400, Deduct	*-12.02*	
		For >400, Deduct	*-18.03*	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	278.73	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*34.82*	
		For >20 To 50, Add	*13.06*	
		For >100 To 200, Deduct	*-5.57*	
		For >200 To 400, Deduct	*-11.15*	
		For >400, Deduct	*-16.72*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	267.85	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*30.46*	
		For >20 To 50, Add	*11.42*	
		For >100 To 200, Deduct	*-5.36*	
		For >200 To 400, Deduct	*-10.71*	
		For >400, Deduct	*-16.07*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	703.12	
		For 2,000 PSI Concrete, Deduct	*-9.55*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.77*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.69*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*210.47*	
		For >20 To 50, Add	*78.93*	
		For >100 To 200, Deduct	*-14.06*	
		For >200 To 400, Deduct	*-28.12*	
		For >400, Deduct	*-42.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	407.91	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*92.38*	
		For >20 To 50, Add	*34.64*	
		For >100 To 200, Deduct	*-8.16*	
		For >200 To 400, Deduct	*-16.32*	
		For >400, Deduct	*-24.47*	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	384.16	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*76.99*	
		For >20 To 50, Add	*28.87*	
		For >100 To 200, Deduct	*-7.68*	
		For >200 To 400, Deduct	*-15.37*	
		For >400, Deduct	*-23.05*	

03 31 13 00-0075 Place Concrete Coping *(03 31 13 00-0043)*

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	721.32	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*217.75*	
		For >20 To 50, Add	*81.66*	
		For >100 To 200, Deduct	*-14.43*	
		For >200 To 400, Deduct	*-28.85*	
		For >400, Deduct	*-43.28*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	406.36	
		For 2,000 PSI Concrete, Deduct	*-9.56*	
		For 2,500 PSI Concrete, Deduct	*-4.78*	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 3,750 PSI Concrete, Add	*12.03*	
		For 4,000 PSI Concrete, Add	*15.22*	
		For 4,500 PSI Concrete, Add	*17.70*	
		For 5,000 PSI Concrete, Add	*20.17*	
		For 6,000 PSI Concrete, Add	*47.78*	
		For White Cement Concrete, Add	*21.23*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.70*	
		For Lightweight Aggregate, ASTM C330, Add	*61.93*	
		For Up To 20, Add	*91.76*	
		For >20 To 50, Add	*34.41*	
		For >100 To 200, Deduct	*-8.13*	
		For >200 To 400, Deduct	*-16.25*	
		For >400, Deduct	*-24.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	539.17	
		For 2,000 PSI Concrete, Deduct	*-10.35*	
		For 2,500 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Add	*9.58*	
		For 3,750 PSI Concrete, Add	*13.03*	
		For 4,000 PSI Concrete, Add	*16.49*	
		For 4,500 PSI Concrete, Add	*19.17*	
		For 5,000 PSI Concrete, Add	*21.85*	
		For 6,000 PSI Concrete, Add	*51.76*	
		For White Cement Concrete, Add	*23.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.92*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.17*	
		For Lightweight Aggregate, ASTM C330, Add	*67.09*	
		For Up To 20, Add	*138.99*	
		For >20 To 50, Add	*52.12*	
		For >100 To 200, Deduct	*-10.78*	
		For >200 To 400, Deduct	*-21.57*	
		For >400, Deduct	*-32.35*	
03 31 13 00-0079		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	26.90	
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	36.02	
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	48.03	
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	12.09	
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	16.20	
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	21.60	
03 31 13 00-0086		Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*		
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.69	
03 31 13 00-0088		Wash Out Truck For Non-Standard Concrete *(03 31 13)* Note: Not portland.		
03 31 13 00-0089	EA	Concrete Truck Washout For Non-Standard Concrete Note: Excludes washout container or bin	199.32	
03 31 13 00-0090		Equipment Pads *(03 31 13)*		
03 31 13 00-0091		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0090)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0092	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	21.34	
		For >5 To 20 Pads, Deduct	*-2.69*	
		For >20 To 50 Pads, Deduct	*-4.93*	
		For >50 Pads, Deduct	*-7.16*	
03 31 13 00-0093	SF	4" Equipment Pad With Rebar Assembly	27.16	
		For >5 To 20 Pads, Deduct	*-3.10*	
		For >20 To 50 Pads, Deduct	*-5.68*	
		For >50 Pads, Deduct	*-8.26*	
03 31 13 00-0094	SF	6" Equipment Pad With Rebar Assembly	34.00	
		For >5 To 20 Pads, Deduct	*-3.90*	
		For >20 To 50 Pads, Deduct	*-7.14*	
		For >50 Pads, Deduct	*-10.39*	
03 31 13 00-0095	SF	8" Equipment Pad With Rebar Assembly	42.55	
		For >5 To 20 Pads, Deduct	*-4.95*	
		For >20 To 50 Pads, Deduct	*-9.08*	
		For >50 Pads, Deduct	*-13.20*	
03 31 13 00-0096		Delivery Fee For Concrete, Per Full Truck Load *(03 31 13)*		
03 31 13 00-0097	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	322.83	
03 35		**Concrete Finishing** *(03 30)*		
03 35 13		**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001		Floor Finishes *(03 35 13)* Note: Task is for final finish type and includes all required prior finishes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.17	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.42	
		For Up To 100, Add	*2.84*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.56	
		For Up To 100, Add	*3.12*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.81	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	2.04	
		For Up To 100, Add	*4.08*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.81	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.42
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.16
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.35
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.61

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.59
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.49
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.41
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.43

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	4.30

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	5.22

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	19.92

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	43.29
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	58.07

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.71
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	4.08	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.23
		For Up To 500, Add	*4.21*
		For >500 To 1,000, Add	*3.91*
		For >1,000 To 2,500, Add	*2.58*
		For >2,500 To 4,000, Add	*1.35*
		For >8,000 To 15,000, Deduct	*-0.52*
		For >15,000 To 25,000, Deduct	*-0.66*
		For >25,000, Deduct	*-0.93*
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.80
		For Up To 500, Add	*3.38*
		For >500 To 1,000, Add	*3.13*
		For >1,000 To 2,500, Add	*2.07*
		For >2,500 To 4,000, Add	*1.08*
		For >8,000 To 15,000, Deduct	*-0.42*
		For >15,000 To 25,000, Deduct	*-0.53*
		For >25,000, Deduct	*-0.75*
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.50
		For Up To 500, Add	*2.79*
		For >500 To 1,000, Add	*2.59*
		For >1,000 To 2,500, Add	*1.71*
		For >2,500 To 4,000, Add	*0.89*
		For >8,000 To 15,000, Deduct	*-0.35*
		For >15,000 To 25,000, Deduct	*-0.44*
		For >25,000, Deduct	*-0.62*
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.41
		For Up To 500, Add	*2.62*
		For >500 To 1,000, Add	*2.43*
		For >1,000 To 2,500, Add	*1.61*
		For >2,500 To 4,000, Add	*0.84*
		For >8,000 To 15,000, Deduct	*-0.32*
		For >15,000 To 25,000, Deduct	*-0.41*
		For >25,000, Deduct	*-0.58*
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.30
		For Up To 500, Add	*2.41*
		For >500 To 1,000, Add	*2.23*
		For >1,000 To 2,500, Add	*1.48*
		For >2,500 To 4,000, Add	*0.77*
		For >8,000 To 15,000, Deduct	*-0.30*
		For >15,000 To 25,000, Deduct	*-0.38*
		For >25,000, Deduct	*-0.53*
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.30
		For Up To 500, Add	*2.41*
		For >500 To 1,000, Add	*2.23*
		For >1,000 To 2,500, Add	*1.48*
		For >2,500 To 4,000, Add	*0.77*
		For >8,000 To 15,000, Deduct	*-0.30*
		For >15,000 To 25,000, Deduct	*-0.38*
		For >25,000, Deduct	*-0.53*
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.30
		For Up To 500, Add	*2.41*
		For >500 To 1,000, Add	*2.23*
		For >1,000 To 2,500, Add	*1.48*
		For >2,500 To 4,000, Add	*0.77*
		For >8,000 To 15,000, Deduct	*-0.30*
		For >15,000 To 25,000, Deduct	*-0.38*
		For >25,000, Deduct	*-0.53*
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.30
		For Up To 500, Add	*2.41*
		For >500 To 1,000, Add	*2.23*
		For >1,000 To 2,500, Add	*1.48*
		For >2,500 To 4,000, Add	*0.77*
		For >8,000 To 15,000, Deduct	*-0.30*
		For >15,000 To 25,000, Deduct	*-0.38*
		For >25,000, Deduct	*-0.53*
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.33
		For Up To 500, Add	*0.52*
		For >500 To 1,000, Add	*0.49*
		For >1,000 To 2,500, Add	*0.32*
		For >2,500 To 4,000, Add	*0.17*
		For >8,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 25,000, Deduct	*-0.08*
		For >25,000, Deduct	*-0.12*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.64	
		For Up To 500, Add	*0.64*	
		For >500 To 1,000, Add	*0.59*	
		For >1,000 To 2,500, Add	*0.39*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.11	
		For Up To 500, Add	*0.95*	
		For >500 To 1,000, Add	*0.88*	
		For >1,000 To 2,500, Add	*0.58*	
		For >2,500 To 4,000, Add	*0.30*	
		For >8,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 25,000, Deduct	*-0.15*	
		For >25,000, Deduct	*-0.21*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.17	
		For Up To 500, Add	*0.33*	
		For >500 To 1,000, Add	*0.31*	
		For >1,000 To 2,500, Add	*0.20*	
		For >2,500 To 4,000, Add	*0.11*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.07*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	2.00	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.28*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.11*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.77	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.28*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.11*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.07	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.49*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.10	
		For Up To 100, Add	*5.90*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.74*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000, Deduct	*-0.30*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.21	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.07*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.29	
		For Up To 100, Add	*12.48*	
		For >100 To 250, Add	*3.12*	
		For >250 To 500, Add	*1.56*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000, Deduct	*-0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.75	
		For Up To 100, Add	*19.30*	
		For >100 To 250, Add	*4.83*	
		For >250 To 500, Add	*2.41*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000, Deduct	*-0.97*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.19	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	4.06	
		For Up To 100, Add	*7.86*	
		For >100 To 250, Add	*1.97*	
		For >250 To 500, Add	*0.98*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.39*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	6.19	
		For Up To 100, Add	*12.12*	
		For >100 To 250, Add	*3.03*	
		For >250 To 500, Add	*1.52*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.61*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	6.18	
		For Up To 100, Add	*10.06*	
		For >100 To 250, Add	*2.52*	
		For >250 To 500, Add	*1.26*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000, Deduct	*-0.50*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	12.34	
		For Up To 100, Add	*20.10*	
		For >100 To 250, Add	*5.03*	
		For >250 To 500, Add	*2.51*	
		For >5,000 To 10,000, Deduct	*-0.50*	
		For >10,000, Deduct	*-1.01*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.78	
		For Up To 25, Add	*0.72*	
		For >25 To 50, Add	*0.42*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	7.08	
		For Up To 25, Add	*1.33*	
		For >25 To 50, Add	*0.77*	
		For >50 To 150, Add	*0.31*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	10.00	
		For Up To 25, Add	*1.84*	
		For >25 To 50, Add	*1.06*	
		For >50 To 150, Add	*0.42*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.59	
		For Up To 25, Add	*2.27*	
		For >25 To 50, Add	*1.30*	
		For >50 To 150, Add	*0.50*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.96	
		For Up To 25, Add	*2.92*	
		For >25 To 50, Add	*1.67*	
		For >50 To 150, Add	*0.61*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.19	
		For Radius Or Irregular Surface, Add	*1.28*	
		For Up To 25, Add	*0.90*	
		For >25 To 50, Add	*0.53*	
		For >50 To 150, Add	*0.24*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.71	
		For Radius Or Irregular Surface, Add	*2.28*	
		For Up To 25, Add	*1.63*	
		For >25 To 50, Add	*0.96*	
		For >50 To 150, Add	*0.43*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.70	
		For Radius Or Irregular Surface, Add	*3.08*	
		For Up To 25, Add	*2.23*	
		For >25 To 50, Add	*1.31*	
		For >50 To 150, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	13.25	
		For Radius Or Irregular Surface, Add	*3.70*	
		For Up To 25, Add	*2.71*	
		For >25 To 50, Add	*1.59*	
		For >50 To 150, Add	*0.69*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.40	
		For Radius Or Irregular Surface, Add	*4.16*	
		For Up To 25, Add	*3.10*	
		For >25 To 50, Add	*1.81*	
		For >50 To 150, Add	*0.78*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	17.23	
		For Radius Or Irregular Surface, Add	*4.50*	
		For Up To 25, Add	*3.41*	
		For >25 To 50, Add	*1.99*	
		For >50 To 150, Add	*0.84*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	21.47	
		For Radius Or Irregular Surface, Add	*5.40*	
		For Up To 25, Add	*4.17*	
		For >25 To 50, Add	*2.42*	
		For >50 To 150, Add	*1.01*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.16	
		For Radius Or Irregular Surface, Add	*6.07*	
		For Up To 25, Add	*4.79*	
		For >25 To 50, Add	*2.78*	
		For >50 To 150, Add	*1.14*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	28.36	
		For Radius Or Irregular Surface, Add	*6.56*	
		For Up To 25, Add	*5.29*	
		For >25 To 50, Add	*3.06*	
		For >50 To 150, Add	*1.23*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	378.64
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	418.36
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	561.79
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	651.08
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	743.22
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	938.37
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	1,054.80
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	1,336.81
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	247.91

03 38 Post-Tensioned Concrete *(03 30)*

03 38 16 Unbonded Post-Tensioned Concrete *(03 38)*

03 38 16 00-0001 Post-Tensioned Concrete Slab, 1/2" Diameter, Non-bonded Strands, HDPE Sheathed *(03 38 16)*

03 38 16 00-0002	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.34
03 38 16 00-0003	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.23
03 38 16 00-0004	SF	Up To 600 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	1.12
03 38 16 00-0005	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.24
03 38 16 00-0006	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.10
03 38 16 00-0007	SF	> 600 To 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	1.00
03 38 16 00-0008	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 36" O.C.	1.15
03 38 16 00-0009	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 42" O.C.	1.03
03 38 16 00-0010	SF	> 1,200 SF Slab, Placing HDPE Sheathing, Un-Grouted Single Post-Tensioned Strands @ 48" O.C.	0.92

03 38 16 00-0011 Stressing Of Slab, 1/2" Diameter, Non-bonded Strands, Tensioned Concrete *(03 38 16)*

03 38 16 00-0012	SF	Up To 600 SF Slab, Stressing Of Strands @ 36" O.C.	0.49
03 38 16 00-0013	SF	Up To 600 SF Slab, Stressing Of Strands @ 42" O.C.	0.45
03 38 16 00-0014	SF	Up To 600 SF Slab, Stressing Of Strands @ 48" O.C.	0.41
03 38 16 00-0015	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 36" O.C.	0.43
03 38 16 00-0016	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 42" O.C.	0.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 38 16 00-0017	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 48" O.C.	0.37	
03 38 16 00-0018	SF	>1,200 SF Slab, Stressing Of Strands @ 36" O.C.	0.32	
03 38 16 00-0019	SF	>1,200 SF Slab, Stressing Of Strands @ 42" O.C.	0.30	
03 38 16 00-0020	SF	>1,200 SF Slab, Stressing Of Strands @ 48" O.C.	0.27	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.38	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.75	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	188.53	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	40.66	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	398.41	318.75
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	442.88	354.25
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	470.28	376.20
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	498.55	398.86
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	533.53	426.81
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	570.22	456.18
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	612.31	489.82
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	665.95	532.72
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	724.08	579.33

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*
Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	35.85	
		For 3,500 PSI Concrete, Add	*0.72*	
		For 4,000 PSI Concrete, Add	*1.08*	
		For 4,500 PSI Concrete, Add	*1.43*	
		For 5,000 PSI Concrete, Add	*2.15*	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	43.02	
		For 3,500 PSI Concrete, Add	*0.86*	
		For 4,000 PSI Concrete, Add	*1.29*	
		For 4,500 PSI Concrete, Add	*1.72*	
		For 5,000 PSI Concrete, Add	*2.58*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	52.58	
		For 3,500 PSI Concrete, Add	*1.05*	
		For 4,000 PSI Concrete, Add	*1.58*	
		For 4,500 PSI Concrete, Add	*2.10*	
		For 5,000 PSI Concrete, Add	*3.15*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	69.79	
		For 3,500 PSI Concrete, Add	*1.40*	
		For 4,000 PSI Concrete, Add	*2.09*	
		For 4,500 PSI Concrete, Add	*2.79*	
		For 5,000 PSI Concrete, Add	*4.19*	

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	489.60	391.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	533.63	426.96
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	589.80	471.78
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	654.91	523.88
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	736.18	588.88

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	613.64	490.94
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	668.83	535.02
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	739.24	591.44
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	820.84	656.69
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	922.70	738.24
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	1,003.25	802.54
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,108.85	887.08
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,227.28	981.88
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,389.11	1,111.29

03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,776.16
		For 3,500 PSI Concrete, Add	*75.52*
		For 4,000 PSI Concrete, Add	*113.28*
		For 4,500 PSI Concrete, Add	*151.05*
		For 5,000 PSI Concrete, Add	*226.57*
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,823.96
		For 3,500 PSI Concrete, Add	*76.48*
		For 4,000 PSI Concrete, Add	*114.72*
		For 4,500 PSI Concrete, Add	*152.96*
		For 5,000 PSI Concrete, Add	*229.44*
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,301.96
		For 3,500 PSI Concrete, Add	*86.04*
		For 4,000 PSI Concrete, Add	*129.06*
		For 4,500 PSI Concrete, Add	*172.08*
		For 5,000 PSI Concrete, Add	*258.12*

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,871.76
		For 3,500 PSI Concrete, Add	*77.44*
		For 4,000 PSI Concrete, Add	*116.15*
		For 4,500 PSI Concrete, Add	*154.87*
		For 5,000 PSI Concrete, Add	*232.31*
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,015.16
		For 3,500 PSI Concrete, Add	*80.30*
		For 4,000 PSI Concrete, Add	*120.45*
		For 4,500 PSI Concrete, Add	*160.61*
		For 5,000 PSI Concrete, Add	*240.91*
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,114.55
		For 3,500 PSI Concrete, Add	*102.29*
		For 4,000 PSI Concrete, Add	*153.44*
		For 4,500 PSI Concrete, Add	*204.58*
		For 5,000 PSI Concrete, Add	*306.87*

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	4,015.16
		For 3,500 PSI Concrete, Add	*80.30*
		For 4,000 PSI Concrete, Add	*120.45*
		For 4,500 PSI Concrete, Add	*160.61*
		For 5,000 PSI Concrete, Add	*240.91*
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,779.96
		For 3,500 PSI Concrete, Add	*95.60*
		For 4,000 PSI Concrete, Add	*143.40*
		For 4,500 PSI Concrete, Add	*191.20*
		For 5,000 PSI Concrete, Add	*286.80*
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,831.55
		For 3,500 PSI Concrete, Add	*116.63*
		For 4,000 PSI Concrete, Add	*174.95*
		For 4,500 PSI Concrete, Add	*233.26*
		For 5,000 PSI Concrete, Add	*349.89*

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0002		**Erection Cost Using 50 Ton Hydraulic Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	397.77	318.25
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	442.18	353.68
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	497.76	398.23
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	532.68	426.13
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	569.31	455.45
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	611.33	489.04
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	664.89	531.87
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	722.93	578.41
03 41 19 00-0011		**Erection Cost Using 90 Ton Crawler Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	440.42	352.30
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	489.60	391.66
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	551.13	440.96
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	589.80	471.78
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	630.35	504.28
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	676.89	541.54
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	736.18	588.88
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	800.44	640.30
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	884.70	707.81
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	979.18	783.31
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,108.30	886.69
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,260.70	1,008.55
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,461.68	1,169.36
03 41 19 00-0025		**Material Cost** *(03 41 19 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	47.80	
		For 3,500 PSI Concrete, Add	*0.96*	
		For 4,000 PSI Concrete, Add	*1.43*	
		For 4,500 PSI Concrete, Add	*1.91*	
		For 5,000 PSI Concrete, Add	*2.87*	
		For White Facing, Add	*9.56*	
		For Solid White Through Thickness, Add	*9.56*	
		For Broken Rib Finish, Add	*4.78*	
		For Fluted Surface, Add	*4.78*	
		For Exposed Aggregate, Add	*9.56*	
		For Sandblasting Of Surface, Add	*4.78*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	58.79	
		For 3,500 PSI Concrete, Add	*1.18*	
		For 4,000 PSI Concrete, Add	*1.76*	
		For 4,500 PSI Concrete, Add	*2.35*	
		For 5,000 PSI Concrete, Add	*3.53*	
		For White Facing, Add	*11.76*	
		For Solid White Through Thickness, Add	*11.76*	
		For Broken Rib Finish, Add	*5.88*	
		For Fluted Surface, Add	*5.88*	
		For Exposed Aggregate, Add	*11.76*	
		For Sandblasting Of Surface, Add	*5.88*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	70.74	
		For 3,500 PSI Concrete, Add	*1.41*	
		For 4,000 PSI Concrete, Add	*2.12*	
		For 4,500 PSI Concrete, Add	*2.83*	
		For 5,000 PSI Concrete, Add	*4.24*	
		For White Facing, Add	*14.15*	
		For Solid White Through Thickness, Add	*14.15*	
		For Broken Rib Finish, Add	*7.07*	
		For Fluted Surface, Add	*7.07*	
		For Exposed Aggregate, Add	*14.15*	
		For Sandblasting Of Surface, Add	*7.07*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	93.21	
		For 3,500 PSI Concrete, Add	*1.86*	
		For 4,000 PSI Concrete, Add	*2.80*	
		For 4,500 PSI Concrete, Add	*3.73*	
		For 5,000 PSI Concrete, Add	*5.59*	
		For White Facing, Add	*18.64*	
		For Solid White Through Thickness, Add	*18.64*	
		For Broken Rib Finish, Add	*9.32*	
		For Fluted Surface, Add	*9.32*	
		For Exposed Aggregate, Add	*18.64*	
		For Sandblasting Of Surface, Add	*9.32*	
		For 2" Polystyrene Insulation, Add	*2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0030		**Partition Panels** *(03 41 19)*		
03 41 19 00-0031		**Erection Costs Using 20 Ton Hydraulic Crane** *(03 41 19 00-0030)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	315.47	252.32
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	350.69	280.58
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	394.76	315.80
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	451.50	361.21
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	484.84	387.91
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	527.31	421.84
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	573.35	458.73
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	633.69	506.98
03 41 19 00-0040		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0030)*		
		Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	397.77	318.25
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	442.18	353.68
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	497.76	398.23
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	569.31	455.45
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	611.33	489.04
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	664.89	531.87
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	722.93	578.41
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	799.03	639.19
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	884.37	707.51
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	1,000.98	800.73
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,138.62	910.89
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,320.13	1,056.06
03 41 19 00-0053		**Material Cost** *(03 41 19 00-0030)*		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	45.41	
		For 4,000 PSI Concrete, Add	*1.36*	
		For 4,500 PSI Concrete, Add	*1.82*	
		For 5,000 PSI Concrete, Add	*2.72*	
		For White Facing, Add	*9.08*	
		For Solid White Through Thickness, Add	*9.08*	
		For Broken Rib Finish, Add	*4.54*	
		For Fluted Surface, Add	*4.54*	
		For Exposed Aggregate, Add	*9.08*	
		For Sandblasting Of Surface, Add	*4.54*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	55.92	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.36*	
		For White Facing, Add	*11.18*	
		For Solid White Through Thickness, Add	*11.18*	
		For Broken Rib Finish, Add	*5.59*	
		For Fluted Surface, Add	*5.59*	
		For Exposed Aggregate, Add	*11.18*	
		For Sandblasting Of Surface, Add	*5.59*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	66.92	
		For 4,000 PSI Concrete, Add	*2.01*	
		For 4,500 PSI Concrete, Add	*2.68*	
		For 5,000 PSI Concrete, Add	*4.02*	
		For White Facing, Add	*13.38*	
		For Solid White Through Thickness, Add	*13.38*	
		For Broken Rib Finish, Add	*6.69*	
		For Fluted Surface, Add	*6.69*	
		For Exposed Aggregate, Add	*13.38*	
		For Sandblasting Of Surface, Add	*6.69*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	88.43	
		For 4,000 PSI Concrete, Add	*2.65*	
		For 4,500 PSI Concrete, Add	*3.54*	
		For 5,000 PSI Concrete, Add	*5.31*	
		For White Facing, Add	*17.69*	
		For Solid White Through Thickness, Add	*17.69*	
		For Broken Rib Finish, Add	*8.84*	
		For Fluted Surface, Add	*8.84*	
		For Exposed Aggregate, Add	*17.69*	
		For Sandblasting Of Surface, Add	*8.84*	
03 41 19 00-0058		**Cladding Panels** *(03 41 19)*		
03 41 19 00-0059		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0058)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	419.77	335.75
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	469.53	375.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	532.68	426.13
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	569.31	455.45
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	611.33	489.04
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	664.89	531.87
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	722.93	578.41
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	799.03	639.19

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	464.77	371.76
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	519.87	415.89
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	589.80	471.78
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	630.35	504.28
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	676.89	541.54
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	736.18	588.88
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	800.44	640.30
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	884.70	707.81
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	979.18	783.31
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,108.30	886.69
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,260.70	1,008.55
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,461.68	1,169.36

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	45.41
		For 3,500 PSI Concrete, Add	*0.91*
		For 4,000 PSI Concrete, Add	*1.36*
		For 4,500 PSI Concrete, Add	*1.82*
		For 5,000 PSI Concrete, Add	*2.72*
		For White Facing, Add	*9.08*
		For Solid White Through Thickness, Add	*9.08*
		For Broken Rib Finish, Add	*4.54*
		For Fluted Surface, Add	*4.54*
		For Exposed Aggregate, Add	*9.08*
		For Sandblasting Of Surface, Add	*4.54*
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	55.92
		For 3,500 PSI Concrete, Add	*1.12*
		For 4,000 PSI Concrete, Add	*1.68*
		For 4,500 PSI Concrete, Add	*2.24*
		For 5,000 PSI Concrete, Add	*3.36*
		For White Facing, Add	*11.18*
		For Solid White Through Thickness, Add	*11.18*
		For Broken Rib Finish, Add	*5.59*
		For Fluted Surface, Add	*5.59*
		For Exposed Aggregate, Add	*11.18*
		For Sandblasting Of Surface, Add	*5.59*
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	66.92
		For 3,500 PSI Concrete, Add	*1.34*
		For 4,000 PSI Concrete, Add	*2.01*
		For 4,500 PSI Concrete, Add	*2.68*
		For 5,000 PSI Concrete, Add	*4.02*
		For White Facing, Add	*13.38*
		For Solid White Through Thickness, Add	*13.38*
		For Broken Rib Finish, Add	*6.69*
		For Fluted Surface, Add	*6.69*
		For Exposed Aggregate, Add	*13.38*
		For Sandblasting Of Surface, Add	*6.69*
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	88.43
		For 3,500 PSI Concrete, Add	*1.77*
		For 4,000 PSI Concrete, Add	*2.65*
		For 4,500 PSI Concrete, Add	*3.54*
		For 5,000 PSI Concrete, Add	*5.31*
		For White Facing, Add	*17.69*
		For Solid White Through Thickness, Add	*17.69*
		For Broken Rib Finish, Add	*8.84*
		For Fluted Surface, Add	*8.84*
		For Exposed Aggregate, Add	*17.69*
		For Sandblasting Of Surface, Add	*8.84*

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	419.77	335.75
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	469.53	375.60
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	532.68	426.13
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	569.31	455.45
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	611.33	489.04
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	664.89	531.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	722.93	578.41
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	799.03	639.19

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	420.44	336.29
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	470.28	376.20
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	533.53	426.81
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	570.22	456.18
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	612.31	489.82
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	665.95	532.72
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	724.08	579.33
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	800.30	640.21
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	885.78	708.63
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,002.58	802.01
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,140.43	912.34
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,322.24	1,057.75

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	62.14
		For 3,500 PSI Concrete, Add	*1.24*
		For 4,000 PSI Concrete, Add	*1.86*
		For 4,500 PSI Concrete, Add	*2.49*
		For 5,000 PSI Concrete, Add	*3.73*
		For White Facing, Add	*12.43*
		For Solid White Through Thickness, Add	*12.43*
		For Broken Rib Finish, Add	*6.21*
		For Fluted Surface, Add	*6.21*
		For Exposed Aggregate, Add	*12.43*
		For Sandblasting Of Surface, Add	*6.21*
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	73.13
		For 3,500 PSI Concrete, Add	*1.46*
		For 4,000 PSI Concrete, Add	*2.19*
		For 4,500 PSI Concrete, Add	*2.93*
		For 5,000 PSI Concrete, Add	*4.39*
		For White Facing, Add	*14.63*
		For Solid White Through Thickness, Add	*14.63*
		For Broken Rib Finish, Add	*7.31*
		For Fluted Surface, Add	*7.31*
		For Exposed Aggregate, Add	*14.63*
		For Sandblasting Of Surface, Add	*7.31*
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	85.08
		For 3,500 PSI Concrete, Add	*1.70*
		For 4,000 PSI Concrete, Add	*2.55*
		For 4,500 PSI Concrete, Add	*3.40*
		For 5,000 PSI Concrete, Add	*5.10*
		For White Facing, Add	*17.02*
		For Solid White Through Thickness, Add	*17.02*
		For Broken Rib Finish, Add	*8.51*
		For Fluted Surface, Add	*8.51*
		For Exposed Aggregate, Add	*17.02*
		For Sandblasting Of Surface, Add	*8.51*
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	107.55
		For 3,500 PSI Concrete, Add	*2.15*
		For 4,000 PSI Concrete, Add	*3.23*
		For 4,500 PSI Concrete, Add	*4.30*
		For 5,000 PSI Concrete, Add	*6.45*
		For White Facing, Add	*21.51*
		For Solid White Through Thickness, Add	*21.51*
		For Broken Rib Finish, Add	*10.76*
		For Fluted Surface, Add	*10.76*
		For Exposed Aggregate, Add	*21.51*
		For Sandblasting Of Surface, Add	*10.76*

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	442.18	353.68
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	469.53	375.60
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	497.76	398.23
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	532.68	426.13
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	569.31	455.45
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	611.33	489.04
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	664.89	531.87
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	722.93	578.41

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0010		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 23)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	442.18	353.68
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	469.53	375.60
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	497.76	398.23
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	532.68	426.13
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	569.31	455.45
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	611.33	489.04
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	664.89	531.87
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	722.93	578.41
03 41 23 00-0019		**Material Cost** *(03 41 23)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	957.95	
		For 3,500 PSI Concrete, Add	*125.01*	
		For 4,000 PSI Concrete, Add	*234.89*	
		For 4,500 PSI Concrete, Add	*345.25*	
		For 5,000 PSI Concrete, Add	*469.68*	
03 41 26		**Precast Concrete Structural Sections** *(03 41)*		
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	551.13	440.96
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	589.80	471.78
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	630.35	504.28
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	676.89	541.54
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	690.76	552.57
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	739.24	591.44
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	790.06	632.04
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	848.38	678.66
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	922.70	738.24
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	1,003.25	802.54
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,108.85	887.08
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,227.28	981.88
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	191.56	
		For 3,500 PSI Concrete, Add	*5.23*	
		For 4,000 PSI Concrete, Add	*7.85*	
		For 4,500 PSI Concrete, Add	*10.46*	
		For 5,000 PSI Concrete, Add	*15.71*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	
03 41 26 00-0021		**3,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	

03 41 26 00-0025 5,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	335.23	
		For 3,500 PSI Concrete, Add	*9.15*	
		For 4,000 PSI Concrete, Add	*13.74*	
		For 4,500 PSI Concrete, Add	*18.30*	
		For 5,000 PSI Concrete, Add	*27.49*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	478.91	
		For 3,500 PSI Concrete, Add	*13.07*	
		For 4,000 PSI Concrete, Add	*19.64*	
		For 4,500 PSI Concrete, Add	*26.15*	
		For 5,000 PSI Concrete, Add	*39.27*	

03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	319.00	255.17
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	339.16	271.28
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	363.49	290.81
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	389.89	311.91
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	420.44	336.29
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	456.18	364.94
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	498.55	398.86

03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	991.49	
		For 3,500 PSI Concrete, Add	*74.36*	
		For 4,000 PSI Concrete, Add	*139.80*	
		For 4,500 PSI Concrete, Add	*206.23*	
		For 5,000 PSI Concrete, Add	*280.59*	

03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	1,015.97	
		For 3,500 PSI Concrete, Add	*76.20*	
		For 4,000 PSI Concrete, Add	*143.25*	
		For 4,500 PSI Concrete, Add	*211.32*	
		For 5,000 PSI Concrete, Add	*287.52*	

03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	

03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	

03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	

03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	1,015.97	
		For 3,500 PSI Concrete, Add	*76.20*	
		For 4,000 PSI Concrete, Add	*143.25*	
		For 4,500 PSI Concrete, Add	*211.32*	
		For 5,000 PSI Concrete, Add	*287.52*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	20.23	2.61
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	25.21	2.61
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	30.21	2.74
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	35.22	2.87
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	45.46	3.39
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	64.29	9.26
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	53.42	5.61
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	64.12	4.83
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	32.93	1.04
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	34.37	1.04
03 41 33 00-0019		Prestressed Double Tee *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	54.76	0.91
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	75.41	0.91
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	37.36	1.56
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	57.90	1.04
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	40.48	2.09
03 41 33 00-0025		Prestressed Single Tee *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	64.79	2.35
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	75.06	1.44
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	99.32	1.30
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	104.59	1.30
03 41 33 00-0030		Prestressed Double Tee Floor Members *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,754.84	375.78
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	18,243.89	417.54
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	30,522.86	469.73
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,557.95	341.72
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,612.31	375.78
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	11,007.17	375.78
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	12,256.74	417.54
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,674.72	469.73
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	28,212.19	537.06
03 41 33 00-0040		Prestressed Double Tee Roof Members *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	13,162.54	375.78
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	17,285.95	417.54
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	28,367.48	469.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,809.12	341.72
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	9,282.87	375.78
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	10,288.71	375.78
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,580.34	417.54
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,998.31	469.73
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	24,140.93	537.06

03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*

03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	34.79	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	36.22	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	37.91	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	39.16	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	41.84	

03 41 33 00-0056 Double And Single Tees *(03 41 33)*

03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	42.05	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	41.06	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	38.77	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	42.05	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	41.92	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	64.47	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	63.04	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	59.03	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	64.47	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	60.46	

03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	43.34	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	42.35	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	40.93	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	43.34	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	41.92	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	66.19	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	64.77	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	62.48	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	66.19	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	64.34	

03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	45.68	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	44.24	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	42.80	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	70.25	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	67.94	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	65.22	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	44.36	4.32

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	179.76	80.93
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	215.59	96.98

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,784.01
		For 3,500 PSI Concrete, Add	*246.91*
		For 4,000 PSI Concrete, Add	*463.92*
		For 4,500 PSI Concrete, Add	*681.88*
		For 5,000 PSI Concrete, Add	*927.65*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,927.70
		For 3,500 PSI Concrete, Add	*256.28*
		For 4,000 PSI Concrete, Add	*481.54*
		For 4,500 PSI Concrete, Add	*707.77*
		For 5,000 PSI Concrete, Add	*962.88*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,071.40	
		For 3,500 PSI Concrete, Add	*265.66*	
		For 4,000 PSI Concrete, Add	*499.15*	
		For 4,500 PSI Concrete, Add	*733.67*	
		For 5,000 PSI Concrete, Add	*998.10*	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,262.99	
		For 3,500 PSI Concrete, Add	*278.16*	
		For 4,000 PSI Concrete, Add	*522.64*	
		For 4,500 PSI Concrete, Add	*768.19*	
		For 5,000 PSI Concrete, Add	*1,045.07*	

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001 Sun Screen Blades *(03 48 22)*

03 48 22 00-0002 Installation Cost *(03 48 22 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	89.88	40.46
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	107.99	48.56
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	134.92	60.76

03 48 22 00-0006 Material Cost *(03 48 22 00-0001)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,023.50	
		For 3,500 PSI Concrete, Add	*262.53*	
		For 4,000 PSI Concrete, Add	*493.28*	
		For 4,500 PSI Concrete, Add	*725.03*	
		For 5,000 PSI Concrete, Add	*986.36*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,167.19	
		For 3,500 PSI Concrete, Add	*271.91*	
		For 4,000 PSI Concrete, Add	*510.90*	
		For 4,500 PSI Concrete, Add	*750.93*	
		For 5,000 PSI Concrete, Add	*1,021.59*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,358.79	
		For 3,500 PSI Concrete, Add	*284.41*	
		For 4,000 PSI Concrete, Add	*534.39*	
		For 4,500 PSI Concrete, Add	*785.45*	
		For 5,000 PSI Concrete, Add	*1,068.56*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,550.39	
		For 3,500 PSI Concrete, Add	*296.91*	
		For 4,000 PSI Concrete, Add	*557.88*	
		For 4,500 PSI Concrete, Add	*819.98*	
		For 5,000 PSI Concrete, Add	*1,115.53*	

03 48 22 00-0011 Sun Screen/Trellis Units *(03 48 22)*

03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	419.77	188.87
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	469.53	211.36
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	532.68	239.68
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	569.31	256.19

03 48 22 00-0017 Material Cost *(03 48 22 00-0011)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,646.18	
		For 3,500 PSI Concrete, Add	*303.16*	
		For 4,000 PSI Concrete, Add	*569.62*	
		For 4,500 PSI Concrete, Add	*837.24*	
		For 5,000 PSI Concrete, Add	*1,139.01*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,789.88	
		For 3,500 PSI Concrete, Add	*312.54*	
		For 4,000 PSI Concrete, Add	*587.24*	
		For 4,500 PSI Concrete, Add	*863.14*	
		For 5,000 PSI Concrete, Add	*1,174.24*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,981.48	
		For 3,500 PSI Concrete, Add	*325.04*	
		For 4,000 PSI Concrete, Add	*610.73*	
		For 4,500 PSI Concrete, Add	*897.66*	
		For 5,000 PSI Concrete, Add	*1,221.21*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,220.97	
		For 3,500 PSI Concrete, Add	*340.67*	
		For 4,000 PSI Concrete, Add	*640.09*	
		For 4,500 PSI Concrete, Add	*940.82*	
		For 5,000 PSI Concrete, Add	*1,279.92*	

03 48 24 Precast Minaret Segments *(03 48)*

03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0002		**L - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	408.47	326.78
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	457.73	366.21
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	517.56	414.03
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	552.06	441.64
03 48 24 00-0007		**O - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	431.70	345.43
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	484.52	387.55
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	548.73	438.94
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	587.67	470.11
03 48 24 00-0012		**Platform Segment** *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	828.09	662.53
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	1,000.98	800.73
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,110.85	888.69
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,247.80	998.29
03 48 24 00-0017		**Cap Segment** *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	453.18	362.51
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	506.05	404.78
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	576.51	461.14
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	615.47	492.31
03 48 24 00-0022		**Installation Costs Using A 90 Ton Crawler Crane** *(03 48 24)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		**L - Shaped Segments** *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	409.12	327.31
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	458.46	366.79
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	518.38	414.69
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	552.94	442.34
03 48 24 00-0028		**O - Shaped Segment** *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	432.39	345.98
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	485.29	388.17
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	549.60	439.64
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	588.61	470.86
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	661.12	528.87
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	800.30	640.21
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	885.78	708.63
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	1,002.58	802.01
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	453.90	363.08
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	506.86	405.42
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	577.43	461.88
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	616.45	493.10
03 48 24 00-0043		**Material Costs** *(03 48 24)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 29		**Precast Accessories** *(03 48)* Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.48	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	2.07	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.39	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.73	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	6.13	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	8.78	
03 48 29 00-0009		Bearing Pad Pipe Supports *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	98.03	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	62.85	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	16.31	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	589.80	265.44
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	654.91	294.72
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	736.18	331.28
03 48 46 00-0005		Material Cost *(03 48 46)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,809.17	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	118.26	
03 48 49 00-0002	SF	4" Thick Precast Landing	138.00	
03 48 49 00-0003	SF	5" Thick Precast Landing	156.63	
03 48 49 00-0004	SF	6" Thick Precast Landing	180.54	
03 48 54		**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001		Precast Interlocking Concrete Blocks *(03 48 54)* Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	162.01	47.89
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	193.50	53.88
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	224.98	59.86
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	304.44	65.86
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	365.94	71.85

03 50 Cast Decks and Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001		Cement Fiber Tongue And Groove Planks *(03 51 13)*		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.33	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.48	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.70	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.27	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.91	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.65	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.54	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001		Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	13.23	0.65
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	16.41	0.76
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	19.61	0.86
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.81	0.97
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	26.06	1.08
03 51 16 00-0007		Form Board For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.72	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.62	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.47	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	3.01	0.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.66	0.72
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	4.05	0.72
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	5.02	0.72
03 51 16 00-0015		Gypsum Plank *(03 51 16)*		
03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.36	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.68	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping *(03 53)*

03 53 14 00-0001		Granolithic Topping Laid After *(03 53 14)*		
		Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.92	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.29	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.61	

03 53 19 Concrete Overlayment *(03 53)*

03 53 19 00-0001		Integral Topping Including Hard Trowel Finish *(03 53 19)*		
		Note: Using 1:1:2 mix.		
03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.92	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.26	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.80	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.49	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.33	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.36	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.98	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)*		
		Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	2.06	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.55	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	5.04	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	6.54	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	8.03	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	9.57	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	12.56	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	15.60	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.22*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	18.58	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.22*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	21.69	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.28*	
		For >100 To 250 SF, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	502.70

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	30.40
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.90

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	45.06
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	71.54

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.34
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.07
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	4.06

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.44
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.57
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	6.07

03 62 16 Metallic Non-Shrink Grouting *(03 62)*

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases *(03 62 16)*

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	38.67
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	59.15

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints *(03 62 16)*

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.94
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.46
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.28

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.66
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.36
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.49

03 63 Epoxy Grouting *(03 60)*

03 63 00 00-0001 Spray On Concrete Epoxy Grout *(03 63)*

Note: (Sika 224) per thickness per coat.

03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.47
		For Color, Add	*1.16*
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	6.18
		For Color, Add	*1.74*
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.92
		For Color, Add	*2.33*
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.47
		For Color, Add	*2.91*
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	11.05
		For Color, Add	*3.50*
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	14.30
		For Color, Add	*4.67*

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,414.09	
		For >4, Deduct	*-149.38*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	249.06	
		For >4, Deduct	*-64.09*	

03 80 Concrete Cutting and Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	26.98	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	38.93	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	51.90	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	29.57	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.53	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	58.80	
		For Up To 10, Add	*11.79*	
		For >10 To 50, Add	*5.90*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	72.03	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.82	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	236.30	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	72.03	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.82	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	86.54	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	101.05	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	236.30	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*		
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.73	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	83.75	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	267.09	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.73	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	83.75	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	92.70	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	109.68	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	267.09	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.83	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.48	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.70	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.83	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.48	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	20.91	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	17.87	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.83	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.48	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.70	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.83	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.48	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	20.91	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.61	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	17.87	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.75	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.19	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.28	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.46	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.77	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.04	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.35	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.13	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.23	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.17	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.96	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.64	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.03	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.15	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.97	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.90	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.37	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.80	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.42	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.59	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.87	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.99	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.54	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.33	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.98	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.81	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.29	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.80	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	26.69	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.93	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.21	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.39	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.52	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.91	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.53	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.76	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.38	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.65	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.19	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.56	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.81	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.98	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.38	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.73	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*3.54*	
		For >10 To 50, Add	*1.77*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.45	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.99	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.10	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.32	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.72	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.05	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.22	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.44	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.24	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.39	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.56	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.54	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.39	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.38	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.79	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	26.32	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.73	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.80	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.27	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.58	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.78	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.14	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.28	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.93	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.81	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.63	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.66	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.26	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.93	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	30.80	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.03	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.34	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.56	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.73	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.21	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.99	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.24	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	16.01	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.82	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.49	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.96	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.27	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.47	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.97	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
		For Metal Stud Clip, Add	*3.01*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	6.26	
		For Up To 10, Add	*3.54*	
		For >10 To 50, Add	*1.77*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.06	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.12	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.43	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.52	
		For Up To 10, Add	*7.07*	
		For >10 To 50, Add	*3.54*	

04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.

04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	58.48	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	

04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	60.18	
		For Up To 10, Add	*47.16*	
		For >10 To 50, Add	*23.58*	

04 01 20 41-0170 Unit Masonry Stabilization *(04 01 20 41)*

04 01 20 41-0171 Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*

04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	94.83	
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	101.32	

04 01 20 51 Unit Masonry Maintenance *(04 01 20)*

04 01 20 51-0001 Repair Masonry *(04 01 20 51)*

Note: Includes mortar for repair.

04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	22.53	
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors Note: Including Replacement Of Damaged Material	20.95	
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	5.40	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0006	LF	Pressure Grout Block/Brick, Portland Cement Base, Using LA City RGA Rule Of General Application 1-91	422.09	
04 01 20 51-0007	LF	Pressure Grout Block/Brick, Portland Cement Base, Master Builders RHEOCEM 900	120.42	
04 01 20 51-0008	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	37.90	
		For Cracks Accessible From Both Sides, Add	*7.70*	
04 01 20 51-0009	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	33.51	
		For Cracks Accessible From Both Sides, Add	*7.70*	
04 01 20 51-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	8.87	
		For V-Grooving Crack With Grinder, Add	*6.33*	
04 01 20 51-0011	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	11.97	
		For V-Grooving Crack With Grinder, Add	*6.01*	

04 01 20 51-0012 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0013	SF	Grind Smooth Masonry Wall	4.52	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	11.72	
		For Common Bond, Add	*0.44*	
		For Flemish Bond, Add	*1.55*	
		For English Bond, Add	*2.55*	
		For Oversized Or Larger Than Standard, Deduct	*-1.76*	
		For >250 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-1.14*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	8.15	
		For Common Bond, Add	*0.30*	
		For Flemish Bond, Add	*1.05*	
		For English Bond, Add	*1.73*	
		For Oversized Or Larger Than Standard, Deduct	*-1.22*	
		For >250 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.78*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	6.10	
		For Common Bond, Add	*0.22*	
		For Oversized Or Larger Than Standard, Deduct	*-0.92*	
		For >250 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.58*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.36	
		For Common Bond, Add	*0.15*	
		For Oversized Or Larger Than Standard, Deduct	*-0.65*	
		For >250 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.40*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	3.54	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.69	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	15.37	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	23.05	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	7.83	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	7.22	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	7.41	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	8.11	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	8.56	

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.44	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0009		CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.08	
04 05 13 26-0010			Color Admixtures For Mortar *(04 05 13 26)*		
			Note: Costs are based on CF of mortar.		
04 05 13 26-0011		CF	Buff Colored Admixture	2.76	
04 05 13 26-0012		CF	Brown Colored Admixture	3.13	
04 05 13 26-0013		CF	Black Colored Admixture	3.87	
04 05 13 26-0014		CF	Red Colored Admixture	8.48	
04 05 13 26-0015			Portland Cement *(04 05 13 26)*		
04 05 13 26-0016		CF	Type I, Normal Portland Cement	14.70	
04 05 13 26-0017		CF	Type II, Modified Portland Cement	7.33	
04 05 13 26-0018		CF	Type III, High Early Strength Portland Cement	7.78	
04 05 13 26-0019		CF	Type I, White Non-Staining Portland Cement	16.29	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001			Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*		
			Note: Excludes block.		
04 05 16 26-0002		LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	5.03	
04 05 16 26-0003		LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.49	
04 05 16 26-0004		LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	6.11	
04 05 16 26-0005		LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.82	
04 05 16 26-0006			Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*		
			Note: Per SF of face area filled.		
04 05 16 26-0007		SF	Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid	3.97	
04 05 16 26-0008		SF	Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid	5.73	
04 05 16 26-0009		SF	Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid	8.17	
04 05 16 26-0010		SF	Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid	10.02	
04 05 16 26-0011		SF	Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid	11.81	
04 05 16 26-0012			Grout Cavity Walls, Grout Fill *(04 05 16 26)*		
			Note: Per SF of face area filled.		
04 05 16 26-0013		SF	Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill	4.62	
04 05 16 26-0014		SF	Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill	6.50	
04 05 16 26-0015		SF	Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill	8.16	
04 05 16 26-0016		SF	Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill	11.04	
04 05 16 26-0017			Grout Frames, Grout Fill *(04 05 16 26)*		
04 05 16 26-0018		LF	Grout Door Frames - Grout Fill	7.26	
04 05 16 26-0019		LF	Grout Window Frames - Grout Fill	6.21	
04 05 16 26-0020			Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021			Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*		
			Note: Per SF of face area filled.		
04 05 16 26-0022		SF	Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill	3.87	
04 05 16 26-0023		SF	Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill	5.32	
04 05 16 26-0024		SF	Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill	6.55	
04 05 16 26-0025		SF	Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill	8.69	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001			Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002			Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003			Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004			Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0005		CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.78	
			For Hot-Dipped Galvanized, Add	*16.77*	
			For Stainless Steel, Add	*67.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.64	
		For Hot-Dipped Galvanized, Add	*17.61*	
		For Stainless Steel, Add	*70.44*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.03	
		For Hot-Dipped Galvanized, Add	*18.56*	
		For Stainless Steel, Add	*74.24*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.58	
		For Hot-Dipped Galvanized, Add	*19.64*	
		For Stainless Steel, Add	*78.56*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.27	
		For Hot-Dipped Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*82.76*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.56	
		For Hot-Dipped Galvanized, Add	*21.21*	
		For Stainless Steel, Add	*84.82*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.30	
		For Hot-Dipped Galvanized, Add	*21.80*	
		For Stainless Steel, Add	*87.18*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.38	
		For Hot-Dipped Galvanized, Add	*29.96*	
		For Stainless Steel, Add	*119.84*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.82	
		For Hot-Dipped Galvanized, Add	*46.31*	
		For Stainless Steel, Add	*185.24*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.36	
		For Hot-Dipped Galvanized, Add	*26.06*	
		For Stainless Steel, Add	*104.22*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.43	
		For Hot-Dipped Galvanized, Add	*27.01*	
		For Stainless Steel, Add	*108.02*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.03	
		For Hot-Dipped Galvanized, Add	*28.06*	
		For Stainless Steel, Add	*112.24*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.37	
		For Hot-Dipped Galvanized, Add	*29.04*	
		For Stainless Steel, Add	*116.14*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.01	
		For Hot-Dipped Galvanized, Add	*30.06*	
		For Stainless Steel, Add	*120.24*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.39	
		For Hot-Dipped Galvanized, Add	*30.63*	
		For Stainless Steel, Add	*122.50*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.00	
		For Hot-Dipped Galvanized, Add	*31.14*	
		For Stainless Steel, Add	*124.56*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	164.09	
		For Hot-Dipped Galvanized, Add	*42.32*	
		For Stainless Steel, Add	*169.28*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	219.22	
		For Hot-Dipped Galvanized, Add	*67.52*	
		For Stainless Steel, Add	*270.06*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.39	
		For Hot-Dipped Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*140.28*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.80	
		For Hot-Dipped Galvanized, Add	*37.00*	
		For Stainless Steel, Add	*147.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.21	
		For Hot-Dipped Galvanized, Add	*38.92*	
		For Stainless Steel, Add	*155.68*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.76	
		For Hot-Dipped Galvanized, Add	*41.23*	
		For Stainless Steel, Add	*164.92*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.26	
		For Hot-Dipped Galvanized, Add	*43.52*	
		For Stainless Steel, Add	*174.06*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.65	
		For Hot-Dipped Galvanized, Add	*44.75*	
		For Stainless Steel, Add	*178.98*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.73	
		For Hot-Dipped Galvanized, Add	*45.80*	
		For Stainless Steel, Add	*183.20*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	175.27	
		For Hot-Dipped Galvanized, Add	*47.91*	
		For Stainless Steel, Add	*191.62*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	243.38	
		For Hot-Dipped Galvanized, Add	*79.59*	
		For Stainless Steel, Add	*318.34*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.58	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.41	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.81	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.35	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.06	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.34	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	161.07	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	182.15	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.16	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.24	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.83	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.18	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.83	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	175.20	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.80	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	206.88	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	262.04	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.16	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	166.58	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.00	
		For Hot-Dipped Galvanized, Add	*60.32*	
		For Stainless Steel, Add	*241.26*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.53	
		For Hot-Dipped Galvanized, Add	*62.62*	
		For Stainless Steel, Add	*250.46*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	195.06	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	203.43	
		For Hot-Dipped Galvanized, Add	*66.14*	
		For Stainless Steel, Add	*264.54*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	208.50	
		For Hot-Dipped Galvanized, Add	*67.19*	
		For Stainless Steel, Add	*268.74*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	218.04	
		For Hot-Dipped Galvanized, Add	*69.29*	
		For Stainless Steel, Add	*277.16*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	286.16	
		For Hot-Dipped Galvanized, Add	*100.98*	
		For Stainless Steel, Add	*403.90*	
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.37	
		For Hot-Dipped Galvanized, Add	*59.56*	
		For Stainless Steel, Add	*238.24*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.20	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.56*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.60	
		For Hot-Dipped Galvanized, Add	*61.35*	
		For Stainless Steel, Add	*245.38*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.14	
		For Hot-Dipped Galvanized, Add	*62.42*	
		For Stainless Steel, Add	*249.68*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	192.84	
		For Hot-Dipped Galvanized, Add	*63.47*	
		For Stainless Steel, Add	*253.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	199.13	
		For Hot-Dipped Galvanized, Add	*63.99*	
		For Stainless Steel, Add	*255.94*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	203.85	
		For Hot-Dipped Galvanized, Add	*64.57*	
		For Stainless Steel, Add	*258.28*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	224.93	
		For Hot-Dipped Galvanized, Add	*72.74*	
		For Stainless Steel, Add	*290.94*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	262.39	
		For Hot-Dipped Galvanized, Add	*89.10*	
		For Stainless Steel, Add	*356.38*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.95	
		For Hot-Dipped Galvanized, Add	*68.85*	
		For Stainless Steel, Add	*275.40*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	189.03	
		For Hot-Dipped Galvanized, Add	*69.81*	
		For Stainless Steel, Add	*279.22*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	195.62	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.97	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	211.62	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	217.98	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	222.59	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	249.67	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	304.82	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	201.94	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	209.37	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	216.79	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	227.32	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	237.84	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	246.22	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	251.29	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	260.83	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	328.95	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.03	
		For Hot-Dipped Galvanized, Add	*28.50*	
		For Stainless Steel, Add	*113.98*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	128.94	
		For Hot-Dipped Galvanized, Add	*31.12*	
		For Stainless Steel, Add	*124.46*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.23	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.57	
		For Hot-Dipped Galvanized, Add	*34.76*	
		For Stainless Steel, Add	*139.04*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	155.37	
		For Hot-Dipped Galvanized, Add	*35.99*	
		For Stainless Steel, Add	*143.96*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	166.88	
		For Hot-Dipped Galvanized, Add	*38.74*	
		For Stainless Steel, Add	*154.96*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	176.73	
		For Hot-Dipped Galvanized, Add	*41.00*	
		For Stainless Steel, Add	*164.00*	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.19	
		For Hot-Dipped Galvanized, Add	*40.08*	
		For Stainless Steel, Add	*160.30*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.15	
		For Hot-Dipped Galvanized, Add	*42.72*	
		For Stainless Steel, Add	*170.88*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	163.18	
		For Hot-Dipped Galvanized, Add	*44.90*	
		For Stainless Steel, Add	*179.60*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	172.78	
		For Hot-Dipped Galvanized, Add	*46.37*	
		For Stainless Steel, Add	*185.46*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	178.53	
		For Hot-Dipped Galvanized, Add	*47.57*	
		For Stainless Steel, Add	*190.28*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	190.03	
		For Hot-Dipped Galvanized, Add	*50.32*	
		For Stainless Steel, Add	*201.26*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	200.19	
		For Hot-Dipped Galvanized, Add	*52.73*	
		For Stainless Steel, Add	*210.92*	
04 05 19 13-0110		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	151.43	
		For Hot-Dipped Galvanized, Add	*45.70*	
		For Stainless Steel, Add	*182.78*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	166.06	
		For Hot-Dipped Galvanized, Add	*49.68*	
		For Stainless Steel, Add	*198.70*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	180.53	
		For Hot-Dipped Galvanized, Add	*53.58*	
		For Stainless Steel, Add	*214.30*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	191.36	
		For Hot-Dipped Galvanized, Add	*55.66*	
		For Stainless Steel, Add	*222.62*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	198.50	
		For Hot-Dipped Galvanized, Add	*57.56*	
		For Stainless Steel, Add	*230.22*	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	212.63	
		For Hot-Dipped Galvanized, Add	*61.62*	
		For Stainless Steel, Add	*246.46*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	225.91	
		For Hot-Dipped Galvanized, Add	*65.59*	
		For Stainless Steel, Add	*262.36*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.36	
		For Hot-Dipped Galvanized, Add	*59.66*	
		For Stainless Steel, Add	*238.64*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.68	
		For Hot-Dipped Galvanized, Add	*61.49*	
		For Stainless Steel, Add	*245.94*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.05	
		For Hot-Dipped Galvanized, Add	*63.34*	
		For Stainless Steel, Add	*253.34*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	214.16	
		For Hot-Dipped Galvanized, Add	*65.39*	
		For Stainless Steel, Add	*261.54*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	224.28	
		For Hot-Dipped Galvanized, Add	*67.44*	
		For Stainless Steel, Add	*269.76*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	235.87	
		For Hot-Dipped Galvanized, Add	*70.57*	
		For Stainless Steel, Add	*282.28*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	215.66	
		For Hot-Dipped Galvanized, Add	*77.81*	
		For Stainless Steel, Add	*311.24*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	226.03	
		For Hot-Dipped Galvanized, Add	*79.66*	
		For Stainless Steel, Add	*318.64*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	236.86	
		For Hot-Dipped Galvanized, Add	*81.74*	
		For Stainless Steel, Add	*326.96*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	250.51	
		For Hot-Dipped Galvanized, Add	*83.56*	
		For Stainless Steel, Add	*334.24*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	260.68	
		For Hot-Dipped Galvanized, Add	*85.64*	
		For Stainless Steel, Add	*342.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	270.17	
		For Hot-Dipped Galvanized, Add	*87.72*	
		For Stainless Steel, Add	*350.88*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	218.33	
		For Hot-Dipped Galvanized, Add	*79.15*	
		For Stainless Steel, Add	*316.58*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	230.70	
		For Hot-Dipped Galvanized, Add	*82.00*	
		For Stainless Steel, Add	*327.98*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	243.02	
		For Hot-Dipped Galvanized, Add	*84.82*	
		For Stainless Steel, Add	*339.28*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	259.86	
		For Hot-Dipped Galvanized, Add	*88.24*	
		For Stainless Steel, Add	*352.94*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	272.65	
		For Hot-Dipped Galvanized, Add	*91.63*	
		For Stainless Steel, Add	*366.50*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	284.70	
		For Hot-Dipped Galvanized, Add	*94.99*	
		For Stainless Steel, Add	*379.94*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.81	
		For Hot-Dipped Galvanized, Add	*63.05*	
		For Stainless Steel, Add	*252.20*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	203.07	
		For Hot-Dipped Galvanized, Add	*64.85*	
		For Stainless Steel, Add	*259.38*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	216.68	
		For Hot-Dipped Galvanized, Add	*66.65*	
		For Stainless Steel, Add	*266.58*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	226.95	
		For Hot-Dipped Galvanized, Add	*68.78*	
		For Stainless Steel, Add	*275.10*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	236.39	
		For Hot-Dipped Galvanized, Add	*70.83*	
		For Stainless Steel, Add	*283.32*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	248.36	
		For Hot-Dipped Galvanized, Add	*74.96*	
		For Stainless Steel, Add	*299.84*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	229.16	
		For Hot-Dipped Galvanized, Add	*81.23*	
		For Stainless Steel, Add	*324.90*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	239.48	
		For Hot-Dipped Galvanized, Add	*83.05*	
		For Stainless Steel, Add	*332.20*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	253.60	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.42*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	263.25	
		For Hot-Dipped Galvanized, Add	*86.93*	
		For Stainless Steel, Add	*347.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0153		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	272.74	
			For Hot-Dipped Galvanized, Add	*89.01*	
			For Stainless Steel, Add	*356.02*	
04 05 19 13-0154		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	285.18	
			For Hot-Dipped Galvanized, Add	*93.37*	
			For Stainless Steel, Add	*373.48*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	231.73	
			For Hot-Dipped Galvanized, Add	*82.51*	
			For Stainless Steel, Add	*330.04*	
04 05 19 13-0157		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	244.10	
			For Hot-Dipped Galvanized, Add	*85.36*	
			For Stainless Steel, Add	*341.44*	
04 05 19 13-0158		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	259.86	
			For Hot-Dipped Galvanized, Add	*88.24*	
			For Stainless Steel, Add	*352.94*	
04 05 19 13-0159		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	272.65	
			For Hot-Dipped Galvanized, Add	*91.63*	
			For Stainless Steel, Add	*366.50*	
04 05 19 13-0160		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	284.70	
			For Hot-Dipped Galvanized, Add	*94.99*	
			For Stainless Steel, Add	*379.94*	
04 05 19 13-0161		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	298.07	
			For Hot-Dipped Galvanized, Add	*99.82*	
			For Stainless Steel, Add	*399.26*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	180.85	
			For Hot-Dipped Galvanized, Add	*57.07*	
			For Stainless Steel, Add	*228.28*	
			For Seismic Hook And Eye, Add	*24.54*	
04 05 19 13-0165		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	190.50	
			For Hot-Dipped Galvanized, Add	*58.56*	
			For Stainless Steel, Add	*234.24*	
			For Seismic Hook And Eye, Add	*25.18*	
04 05 19 13-0166		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.69	
			For Hot-Dipped Galvanized, Add	*60.15*	
			For Stainless Steel, Add	*240.60*	
			For Seismic Hook And Eye, Add	*25.86*	
04 05 19 13-0167		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	213.09	
			For Hot-Dipped Galvanized, Add	*61.85*	
			For Stainless Steel, Add	*247.38*	
			For Seismic Hook And Eye, Add	*26.59*	
04 05 19 13-0168		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	221.96	
			For Hot-Dipped Galvanized, Add	*63.62*	
			For Stainless Steel, Add	*254.46*	
			For Seismic Hook And Eye, Add	*27.35*	
04 05 19 13-0169		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	228.85	
			For Hot-Dipped Galvanized, Add	*65.21*	
			For Stainless Steel, Add	*260.82*	
			For Seismic Hook And Eye, Add	*28.04*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.94	
			For Hot-Dipped Galvanized, Add	*74.12*	
			For Stainless Steel, Add	*296.46*	
			For Seismic Hook And Eye, Add	*31.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	223.92	
		For Hot-Dipped Galvanized, Add	*75.27*	
		For Stainless Steel, Add	*301.08*	
		For Seismic Hook And Eye, Add	*32.37*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	237.22	
		For Hot-Dipped Galvanized, Add	*76.92*	
		For Stainless Steel, Add	*307.66*	
		For Seismic Hook And Eye, Add	*33.07*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	246.41	
		For Hot-Dipped Galvanized, Add	*78.51*	
		For Stainless Steel, Add	*314.02*	
		For Seismic Hook And Eye, Add	*33.76*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	254.92	
		For Hot-Dipped Galvanized, Add	*80.10*	
		For Stainless Steel, Add	*320.38*	
		For Seismic Hook And Eye, Add	*34.44*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	265.51	
		For Hot-Dipped Galvanized, Add	*83.54*	
		For Stainless Steel, Add	*334.14*	
		For Seismic Hook And Eye, Add	*35.92*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	217.46	
		For Hot-Dipped Galvanized, Add	*75.38*	
		For Stainless Steel, Add	*301.50*	
		For Seismic Hook And Eye, Add	*32.41*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	229.57	
		For Hot-Dipped Galvanized, Add	*78.10*	
		For Stainless Steel, Add	*312.38*	
		For Seismic Hook And Eye, Add	*33.58*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	244.97	
		For Hot-Dipped Galvanized, Add	*80.79*	
		For Stainless Steel, Add	*323.16*	
		For Seismic Hook And Eye, Add	*34.74*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	257.45	
		For Hot-Dipped Galvanized, Add	*84.03*	
		For Stainless Steel, Add	*336.10*	
		For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	269.25	
		For Hot-Dipped Galvanized, Add	*87.26*	
		For Stainless Steel, Add	*349.04*	
		For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	279.38	
		For Hot-Dipped Galvanized, Add	*90.47*	
		For Stainless Steel, Add	*361.88*	
		For Seismic Hook And Eye, Add	*38.90*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.30	
		For Hot-Dipped Galvanized, Add	*60.46*	
		For Stainless Steel, Add	*241.84*	
		For Seismic Hook And Eye, Add	*26.00*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	207.23	
		For Hot-Dipped Galvanized, Add	*61.92*	
		For Stainless Steel, Add	*247.68*	
		For Seismic Hook And Eye, Add	*26.63*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	216.17	
		For Hot-Dipped Galvanized, Add	*63.39*	
		For Stainless Steel, Add	*253.54*	
		For Seismic Hook And Eye, Add	*27.26*	

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	225.25	
		For Hot-Dipped Galvanized, Add	*65.26*	
		For Stainless Steel, Add	*261.04*	
		For Seismic Hook And Eye, Add	*28.06*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	232.34	
		For Hot-Dipped Galvanized, Add	*66.95*	
		For Stainless Steel, Add	*267.80*	
		For Seismic Hook And Eye, Add	*28.79*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	227.16	
		For Hot-Dipped Galvanized, Add	*76.89*	
		For Stainless Steel, Add	*307.56*	
		For Seismic Hook And Eye, Add	*33.06*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	240.35	
		For Hot-Dipped Galvanized, Add	*78.48*	
		For Stainless Steel, Add	*313.92*	
		For Seismic Hook And Eye, Add	*33.75*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	249.75	
		For Hot-Dipped Galvanized, Add	*80.18*	
		For Stainless Steel, Add	*320.70*	
		For Seismic Hook And Eye, Add	*34.48*	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	257.80	
		For Hot-Dipped Galvanized, Add	*81.54*	
		For Stainless Steel, Add	*326.14*	
		For Seismic Hook And Eye, Add	*35.06*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	265.21	
		For Hot-Dipped Galvanized, Add	*83.39*	
		For Stainless Steel, Add	*333.54*	
		For Seismic Hook And Eye, Add	*35.86*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	230.54	
		For Hot-Dipped Galvanized, Add	*78.58*	
		For Stainless Steel, Add	*314.32*	
		For Seismic Hook And Eye, Add	*33.79*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	246.00	
		For Hot-Dipped Galvanized, Add	*81.31*	
		For Stainless Steel, Add	*325.22*	
		For Seismic Hook And Eye, Add	*34.96*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	257.45	
		For Hot-Dipped Galvanized, Add	*84.03*	
		For Stainless Steel, Add	*336.10*	
		For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	269.25	
		For Hot-Dipped Galvanized, Add	*87.26*	
		For Stainless Steel, Add	*349.04*	
		For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	279.38	
		For Hot-Dipped Galvanized, Add	*90.47*	
		For Stainless Steel, Add	*361.88*	
		For Seismic Hook And Eye, Add	*38.90*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.79	
		For Hot-Dipped Galvanized, Add	*23.77*	
		For Stainless Steel, Add	*95.08*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.48	
		For Hot-Dipped Galvanized, Add	*24.03*	
		For Stainless Steel, Add	*96.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.87	
		For Hot-Dipped Galvanized, Add	*24.98*	
		For Stainless Steel, Add	*99.92*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.72	
		For Hot-Dipped Galvanized, Add	*26.21*	
		For Stainless Steel, Add	*104.84*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.08	
		For Hot-Dipped Galvanized, Add	*27.60*	
		For Stainless Steel, Add	*110.38*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.83	
		For Hot-Dipped Galvanized, Add	*28.34*	
		For Stainless Steel, Add	*113.36*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.97	
		For Hot-Dipped Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*117.68*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.11	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.58	
		For Hot-Dipped Galvanized, Add	*43.70*	
		For Stainless Steel, Add	*174.78*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	241.29	
		For Hot-Dipped Galvanized, Add	*75.58*	
		For Stainless Steel, Add	*302.32*	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.18	
		For Hot-Dipped Galvanized, Add	*32.97*	
		For Stainless Steel, Add	*131.86*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.27	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.66	
		For Hot-Dipped Galvanized, Add	*34.38*	
		For Stainless Steel, Add	*137.50*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.46	
		For Hot-Dipped Galvanized, Add	*35.58*	
		For Stainless Steel, Add	*142.32*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.57	
		For Hot-Dipped Galvanized, Add	*36.84*	
		For Stainless Steel, Add	*147.36*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.56	
		For Hot-Dipped Galvanized, Add	*37.71*	
		For Stainless Steel, Add	*150.84*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	151.40	
		For Hot-Dipped Galvanized, Add	*38.64*	
		For Stainless Steel, Add	*154.54*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.86	
		For Hot-Dipped Galvanized, Add	*53.71*	
		For Stainless Steel, Add	*214.82*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	196.33	
		For Hot-Dipped Galvanized, Add	*56.07*	
		For Stainless Steel, Add	*224.28*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	296.04	
		For Hot-Dipped Galvanized, Add	*105.93*	
		For Stainless Steel, Add	*423.70*	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.31	
		For Hot-Dipped Galvanized, Add	*47.03*	
		For Stainless Steel, Add	*188.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.05	
		For Hot-Dipped Galvanized, Add	*47.62*	
		For Stainless Steel, Add	*190.48*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.10	
		For Hot-Dipped Galvanized, Add	*49.37*	
		For Stainless Steel, Add	*197.46*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.81	
		For Hot-Dipped Galvanized, Add	*51.76*	
		For Stainless Steel, Add	*207.02*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.70	
		For Hot-Dipped Galvanized, Add	*54.74*	
		For Stainless Steel, Add	*218.94*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.35	
		For Hot-Dipped Galvanized, Add	*56.10*	
		For Stainless Steel, Add	*224.38*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	190.37	
		For Hot-Dipped Galvanized, Add	*58.12*	
		For Stainless Steel, Add	*232.48*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	242.63	
		For Hot-Dipped Galvanized, Add	*81.59*	
		For Stainless Steel, Add	*326.34*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	256.62	
		For Hot-Dipped Galvanized, Add	*86.21*	
		For Stainless Steel, Add	*344.82*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	388.23	
		For Hot-Dipped Galvanized, Add	*149.05*	
		For Stainless Steel, Add	*596.20*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.58	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.41	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.81	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.35	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.06	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.34	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.07	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.15	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.16	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.24	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.83	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.18	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.83	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	175.20	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.80	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	206.88	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	262.04	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.16	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.58	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.00	
		For Hot-Dipped Galvanized, Add	*60.32*	
		For Stainless Steel, Add	*241.26*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	184.53	
		For Hot-Dipped Galvanized, Add	*62.62*	
		For Stainless Steel, Add	*250.46*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	195.06	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	203.43	
		For Hot-Dipped Galvanized, Add	*66.14*	
		For Stainless Steel, Add	*264.54*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.50	
		For Hot-Dipped Galvanized, Add	*67.19*	
		For Stainless Steel, Add	*268.74*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	218.04	
		For Hot-Dipped Galvanized, Add	*69.29*	
		For Stainless Steel, Add	*277.16*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	286.16	
		For Hot-Dipped Galvanized, Add	*100.98*	
		For Stainless Steel, Add	*403.90*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.37	
		For Hot-Dipped Galvanized, Add	*59.56*	
		For Stainless Steel, Add	*238.24*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.20	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.56*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.60	
		For Hot-Dipped Galvanized, Add	*61.35*	
		For Stainless Steel, Add	*245.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	184.14	
		For Hot-Dipped Galvanized, Add	*62.42*	
		For Stainless Steel, Add	*249.68*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.84	
		For Hot-Dipped Galvanized, Add	*63.47*	
		For Stainless Steel, Add	*253.88*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	199.13	
		For Hot-Dipped Galvanized, Add	*63.99*	
		For Stainless Steel, Add	*255.94*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	203.85	
		For Hot-Dipped Galvanized, Add	*64.57*	
		For Stainless Steel, Add	*258.28*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	224.93	
		For Hot-Dipped Galvanized, Add	*72.74*	
		For Stainless Steel, Add	*290.94*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	262.39	
		For Hot-Dipped Galvanized, Add	*89.10*	
		For Stainless Steel, Add	*356.38*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.95	
		For Hot-Dipped Galvanized, Add	*68.85*	
		For Stainless Steel, Add	*275.40*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	189.03	
		For Hot-Dipped Galvanized, Add	*69.81*	
		For Stainless Steel, Add	*279.22*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	195.62	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.97	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	211.62	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	217.98	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	222.59	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	249.67	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	304.82	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	201.94	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	209.37	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	216.79	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	227.32	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	237.84	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	246.22	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	251.29	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	260.83	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	328.95	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	134.54	
		For Hot-Dipped Galvanized, Add	*37.25*	
		For Stainless Steel, Add	*149.00*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	144.80	
		For Hot-Dipped Galvanized, Add	*39.05*	
		For Stainless Steel, Add	*156.18*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	156.04	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	165.85	
		For Hot-Dipped Galvanized, Add	*42.90*	
		For Stainless Steel, Add	*171.60*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	171.80	
		For Hot-Dipped Galvanized, Add	*44.21*	
		For Stainless Steel, Add	*176.82*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	184.13	
		For Hot-Dipped Galvanized, Add	*47.37*	
		For Stainless Steel, Add	*189.46*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	195.77	
		For Hot-Dipped Galvanized, Add	*50.52*	
		For Stainless Steel, Add	*202.08*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	157.75	
		For Hot-Dipped Galvanized, Add	*48.86*	
		For Stainless Steel, Add	*195.42*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	168.06	
		For Hot-Dipped Galvanized, Add	*50.68*	
		For Stainless Steel, Add	*202.70*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	179.20	
		For Hot-Dipped Galvanized, Add	*52.91*	
		For Stainless Steel, Add	*211.64*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	189.05	
		For Hot-Dipped Galvanized, Add	*54.50*	
		For Stainless Steel, Add	*218.00*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	194.86	
		For Hot-Dipped Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*222.94*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	207.23	
		For Hot-Dipped Galvanized, Add	*58.92*	
		For Stainless Steel, Add	*235.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	218.98	
			For Hot-Dipped Galvanized, Add	*62.13*	
			For Stainless Steel, Add	*248.50*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	179.26	
			For Hot-Dipped Galvanized, Add	*59.61*	
			For Stainless Steel, Add	*238.44*	
04 05 19 13-0316		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	191.58	
			For Hot-Dipped Galvanized, Add	*62.44*	
			For Stainless Steel, Add	*249.74*	
04 05 19 13-0317		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	206.00	
			For Hot-Dipped Galvanized, Add	*66.31*	
			For Stainless Steel, Add	*265.24*	
04 05 19 13-0318		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	216.88	
			For Hot-Dipped Galvanized, Add	*68.42*	
			For Stainless Steel, Add	*273.66*	
04 05 19 13-0319		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	224.43	
			For Hot-Dipped Galvanized, Add	*70.52*	
			For Stainless Steel, Add	*282.08*	
04 05 19 13-0320		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	239.94	
			For Hot-Dipped Galvanized, Add	*75.27*	
			For Stainless Steel, Add	*301.08*	
04 05 19 13-0321		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	253.13	
			For Hot-Dipped Galvanized, Add	*79.20*	
			For Stainless Steel, Add	*316.80*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	206.88	
			For Hot-Dipped Galvanized, Add	*73.42*	
			For Stainless Steel, Add	*293.68*	
04 05 19 13-0325		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	214.58	
			For Hot-Dipped Galvanized, Add	*73.94*	
			For Stainless Steel, Add	*295.74*	
04 05 19 13-0326		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	224.84	
			For Hot-Dipped Galvanized, Add	*75.73*	
			For Stainless Steel, Add	*302.92*	
04 05 19 13-0327		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	239.63	
			For Hot-Dipped Galvanized, Add	*78.12*	
			For Stainless Steel, Add	*312.48*	
04 05 19 13-0328		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	251.29	
			For Hot-Dipped Galvanized, Add	*80.95*	
			For Stainless Steel, Add	*323.78*	
04 05 19 13-0329		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	263.50	
			For Hot-Dipped Galvanized, Add	*84.39*	
			For Stainless Steel, Add	*337.54*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	242.77	
			For Hot-Dipped Galvanized, Add	*91.37*	
			For Stainless Steel, Add	*365.46*	
04 05 19 13-0332		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	250.98	
			For Hot-Dipped Galvanized, Add	*92.14*	
			For Stainless Steel, Add	*368.54*	
04 05 19 13-0333		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	261.25	
			For Hot-Dipped Galvanized, Add	*93.94*	
			For Stainless Steel, Add	*375.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	275.93	
		For Hot-Dipped Galvanized, Add	*96.27*	
		For Stainless Steel, Add	*385.08*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	287.13	
		For Hot-Dipped Galvanized, Add	*98.87*	
		For Stainless Steel, Add	*395.46*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	297.69	
		For Hot-Dipped Galvanized, Add	*101.48*	
		For Stainless Steel, Add	*405.92*	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	262.44	
		For Hot-Dipped Galvanized, Add	*101.20*	
		For Stainless Steel, Add	*404.80*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	270.65	
		For Hot-Dipped Galvanized, Add	*101.97*	
		For Stainless Steel, Add	*407.88*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	282.97	
		For Hot-Dipped Galvanized, Add	*104.80*	
		For Stainless Steel, Add	*419.18*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	300.37	
		For Hot-Dipped Galvanized, Add	*108.49*	
		For Stainless Steel, Add	*433.96*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	315.72	
		For Hot-Dipped Galvanized, Add	*113.16*	
		For Stainless Steel, Add	*452.64*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	331.43	
		For Hot-Dipped Galvanized, Add	*118.35*	
		For Stainless Steel, Add	*473.40*	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	220.38	
		For Hot-Dipped Galvanized, Add	*76.84*	
		For Stainless Steel, Add	*307.34*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.13	
		For Hot-Dipped Galvanized, Add	*77.38*	
		For Stainless Steel, Add	*309.50*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	241.63	
		For Hot-Dipped Galvanized, Add	*79.12*	
		For Stainless Steel, Add	*316.48*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	252.37	
		For Hot-Dipped Galvanized, Add	*81.49*	
		For Stainless Steel, Add	*325.94*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	263.45	
		For Hot-Dipped Galvanized, Add	*84.36*	
		For Stainless Steel, Add	*337.44*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	273.01	
		For Hot-Dipped Galvanized, Add	*87.29*	
		For Stainless Steel, Add	*349.14*	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	256.17	
		For Hot-Dipped Galvanized, Add	*94.73*	
		For Stainless Steel, Add	*378.92*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	264.38	
		For Hot-Dipped Galvanized, Add	*95.50*	
		For Stainless Steel, Add	*382.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	277.98	
		For Hot-Dipped Galvanized, Add	*97.30*	
		For Stainless Steel, Add	*389.18*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	288.72	
		For Hot-Dipped Galvanized, Add	*99.66*	
		For Stainless Steel, Add	*398.64*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	299.23	
		For Hot-Dipped Galvanized, Add	*102.25*	
		For Stainless Steel, Add	*409.00*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	309.10	
		For Hot-Dipped Galvanized, Add	*105.33*	
		For Stainless Steel, Add	*421.32*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	275.89	
		For Hot-Dipped Galvanized, Add	*104.59*	
		For Stainless Steel, Add	*418.36*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	284.04	
		For Hot-Dipped Galvanized, Add	*105.33*	
		For Stainless Steel, Add	*421.32*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	299.80	
		For Hot-Dipped Galvanized, Add	*108.21*	
		For Stainless Steel, Add	*432.82*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	313.16	
		For Hot-Dipped Galvanized, Add	*111.88*	
		For Stainless Steel, Add	*447.52*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	327.78	
		For Hot-Dipped Galvanized, Add	*116.53*	
		For Stainless Steel, Add	*466.10*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	338.58	
		For Hot-Dipped Galvanized, Add	*120.07*	
		For Stainless Steel, Add	*480.28*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	206.57	
		For Hot-Dipped Galvanized, Add	*69.93*	
		For Stainless Steel, Add	*279.72*	
		For Seismic Hook And Eye, Add	*30.07*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.22	
		For Hot-Dipped Galvanized, Add	*70.42*	
		For Stainless Steel, Add	*281.68*	
		For Seismic Hook And Eye, Add	*30.28*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	227.26	
		For Hot-Dipped Galvanized, Add	*71.94*	
		For Stainless Steel, Add	*287.74*	
		For Seismic Hook And Eye, Add	*30.93*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	237.63	
		For Hot-Dipped Galvanized, Add	*74.12*	
		For Stainless Steel, Add	*296.46*	
		For Seismic Hook And Eye, Add	*31.87*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	247.48	
		For Hot-Dipped Galvanized, Add	*76.38*	
		For Stainless Steel, Add	*305.50*	
		For Seismic Hook And Eye, Add	*32.84*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	256.73	
		For Hot-Dipped Galvanized, Add	*79.15*	
		For Stainless Steel, Add	*316.58*	
		For Seismic Hook And Eye, Add	*34.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	239.53	
		For Hot-Dipped Galvanized, Add	*86.41*	
		For Stainless Steel, Add	*345.64*	
		For Seismic Hook And Eye, Add	*37.16*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	247.54	
		For Hot-Dipped Galvanized, Add	*87.08*	
		For Stainless Steel, Add	*348.32*	
		For Seismic Hook And Eye, Add	*37.44*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	260.32	
		For Hot-Dipped Galvanized, Add	*88.47*	
		For Stainless Steel, Add	*353.86*	
		For Seismic Hook And Eye, Add	*38.04*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	270.49	
		For Hot-Dipped Galvanized, Add	*90.55*	
		For Stainless Steel, Add	*362.18*	
		For Seismic Hook And Eye, Add	*38.93*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	280.29	
		For Hot-Dipped Galvanized, Add	*92.78*	
		For Stainless Steel, Add	*371.12*	
		For Seismic Hook And Eye, Add	*39.90*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	288.93	
		For Hot-Dipped Galvanized, Add	*95.25*	
		For Stainless Steel, Add	*380.98*	
		For Seismic Hook And Eye, Add	*40.96*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	259.46	
		For Hot-Dipped Galvanized, Add	*96.38*	
		For Stainless Steel, Add	*385.50*	
		For Seismic Hook And Eye, Add	*41.44*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	267.61	
		For Hot-Dipped Galvanized, Add	*97.12*	
		For Stainless Steel, Add	*388.46*	
		For Seismic Hook And Eye, Add	*41.76*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	283.02	
		For Hot-Dipped Galvanized, Add	*99.82*	
		For Stainless Steel, Add	*399.26*	
		For Seismic Hook And Eye, Add	*42.92*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	296.06	
		For Hot-Dipped Galvanized, Add	*103.33*	
		For Stainless Steel, Add	*413.32*	
		For Seismic Hook And Eye, Add	*44.43*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	310.27	
		For Hot-Dipped Galvanized, Add	*107.77*	
		For Stainless Steel, Add	*431.08*	
		For Seismic Hook And Eye, Add	*46.34*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	323.84	
		For Hot-Dipped Galvanized, Add	*112.70*	
		For Stainless Steel, Add	*450.80*	
		For Seismic Hook And Eye, Add	*48.46*	
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*		
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	219.81	
		For Hot-Dipped Galvanized, Add	*73.22*	
		For Stainless Steel, Add	*292.86*	
		For Seismic Hook And Eye, Add	*31.48*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	230.85	
		For Hot-Dipped Galvanized, Add	*73.73*	
		For Stainless Steel, Add	*294.92*	
		For Seismic Hook And Eye, Add	*31.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	240.09	
		For Hot-Dipped Galvanized, Add	*75.35*	
		For Stainless Steel, Add	*301.38*	
		For Seismic Hook And Eye, Add	*32.40*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	250.05	
		For Hot-Dipped Galvanized, Add	*77.66*	
		For Stainless Steel, Add	*310.64*	
		For Seismic Hook And Eye, Add	*33.39*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	259.10	
		For Hot-Dipped Galvanized, Add	*80.33*	
		For Stainless Steel, Add	*321.32*	
		For Seismic Hook And Eye, Add	*34.54*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	255.34	
		For Hot-Dipped Galvanized, Add	*90.98*	
		For Stainless Steel, Add	*363.92*	
		For Seismic Hook And Eye, Add	*39.12*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	266.48	
		For Hot-Dipped Galvanized, Add	*91.55*	
		For Stainless Steel, Add	*366.18*	
		For Seismic Hook And Eye, Add	*39.36*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	275.62	
		For Hot-Dipped Galvanized, Add	*93.11*	
		For Stainless Steel, Add	*372.44*	
		For Seismic Hook And Eye, Add	*40.04*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	285.16	
		For Hot-Dipped Galvanized, Add	*95.22*	
		For Stainless Steel, Add	*380.86*	
		For Seismic Hook And Eye, Add	*40.94*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	293.19	
		For Hot-Dipped Galvanized, Add	*97.38*	
		For Stainless Steel, Add	*389.50*	
		For Seismic Hook And Eye, Add	*41.87*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	272.59	
		For Hot-Dipped Galvanized, Add	*99.61*	
		For Stainless Steel, Add	*398.42*	
		For Seismic Hook And Eye, Add	*42.83*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	284.04	
		For Hot-Dipped Galvanized, Add	*100.33*	
		For Stainless Steel, Add	*401.30*	
		For Seismic Hook And Eye, Add	*43.14*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	295.49	
		For Hot-Dipped Galvanized, Add	*103.05*	
		For Stainless Steel, Add	*412.18*	
		For Seismic Hook And Eye, Add	*44.31*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	307.81	
		For Hot-Dipped Galvanized, Add	*106.54*	
		For Stainless Steel, Add	*426.16*	
		For Seismic Hook And Eye, Add	*45.81*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	320.40	
		For Hot-Dipped Galvanized, Add	*110.98*	
		For Stainless Steel, Add	*443.92*	
		For Seismic Hook And Eye, Add	*47.72*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.51
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.59
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.67
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.77
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.67	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.77	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.88	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.98	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.36	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.48	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.54	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.48	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.54	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.60	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.36	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.41	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.56	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.63	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.64	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.74	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.85	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.92	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.25	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.27	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.38	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.41	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.42	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.48	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.54	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.61	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.77	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.80	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.84	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.87	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.94	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.07	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.15	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.24	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.28	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.35	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.94	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.02	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.04	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.11	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.13	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.67	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.72	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.74	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.78	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.80	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		**Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.32	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.40	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.48	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.57	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.65	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.39	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.48	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.57	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.65	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.74	
04 05 19 16-0079		**Mill Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.02	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.09	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.15	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.21	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.27	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.08	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.14	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.21	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.27	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.34	
04 05 19 16-0090		**Corrugated Wall Ties** *(04 05 19 16)*		
04 05 19 16-0091		**Hot-Dipped Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.25	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.32	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.34	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.36	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.60	
04 05 19 16-0097		**Mill Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.27	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.29	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.31	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.49	
04 05 19 16-0102		**Stainless Steel, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.51	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.57	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.63	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.68	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.95	
04 05 19 16-0108		**Wire Mesh Wall Ties** *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.42	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.91	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.42	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.33	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.12	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.99	
04 05 19 16-0115		**Triangle Brick Ties** *(04 05 19 16)*		
04 05 19 16-0116		**Hot-Dipped Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.16	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.19	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.23	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.32	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.36	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.48	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.55	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.73	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.53	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.55	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.58	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.67	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.70	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.81	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.87	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.98	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.99	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.00	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.07	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.09	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.16	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.19	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.20	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.22	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.24	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.32	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.34	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.43	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.47	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.57	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	5.53	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.54	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.08	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.53	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.83	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.81	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.01	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.24	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.53	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.78	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.04	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.30	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.05	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.87	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.69	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.52	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.34	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.17	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.78	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.98	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.18	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.39	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.58	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.79	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.94	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.03	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.30	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.44	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.54	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.68	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.42	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.54	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.63	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.02	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.26	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.42	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.64	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.26	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.42	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.56	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.71	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.06	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.15	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.20	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.28	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.09	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.18	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.23	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.30	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.59	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.75	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.82	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.97	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.52	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.78	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.89	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.97	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.93	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.34	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.57	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.69	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.96	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.12	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.63	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.75	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.93	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.04	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.65	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.02	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.15	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.57	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.98	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.94	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.22	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.51	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.87	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.08	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.72	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.86	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.63	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.87	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.06	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.70	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.86	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.03	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.56	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.64	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.54	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.71	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.84	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.57	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.76	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.90	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.87	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.00	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.14	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	4.02	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	6.27	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.74	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.90	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.03	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.14	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.50	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.51	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.59	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.78	
04 05 19 16-0284		Dowel Or Hairpin, Drill And Epoxy Into Brick *(04 05 19 16)*		
04 05 19 16-0285	EA	Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick	33.93	
04 05 19 16-0286	EA	Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick	35.42	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.13	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.86	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.64	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.46	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.15	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.89	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.69	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.53	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.17	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.94	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.76	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.64	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.06	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.98	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.11	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.05	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.38	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.18	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.16	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.15	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.19	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.20	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.26	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.27	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.27	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.37	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.52	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.49	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.57	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.71	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.54	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.52	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.62	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.78	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.57	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.69	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.89	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.15	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.09	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.11	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.18	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.14	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.18	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.23	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.22	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.29	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.50	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.45	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.51	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.63	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.52	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.48	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.56	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.70	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.55	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.64	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.81	
04 05 23		**Masonry Accessories** *(04 05)*		
04 05 23 13		**Masonry Control and Expansion Joints** *(04 05 23)*		
04 05 23 13-0001		Masonry Control Joints *(04 05 23 13)*		
04 05 23 13-0002		Rubber, Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.58	1.19
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.42	1.19
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	13.16	1.19
04 05 23 13-0006		Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.23	1.19
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.37	1.19
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.51	1.19
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.13	1.19
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.83	1.19
04 05 23 16		**Masonry Embedded Flashing** *(04 05 23)*		
04 05 23 16-0001		Lead Coated Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.92	2.23
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.88	2.23
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.56	2.23
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.93	2.23
04 05 23 16-0007		Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.86	2.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.73	2.23
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.81	2.23
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.66	2.23
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.13	2.23
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.34	2.23
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.08	2.23
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.70	2.23
04 05 23 16-0017		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.46	2.08
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	9.18	2.08
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	11.14	2.08
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.87	2.08
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.61	2.08
04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.17	2.08
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.80	2.08
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.06	2.08
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.14	2.08
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.37	2.08
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.54	2.08
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.26	2.08
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.22	2.08
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.94	2.08
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.68	2.08
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.64	2.08
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.51	2.08
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.78	2.08
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.44	2.08
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.51	2.08
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.54	2.08
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.16	2.08
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	10.03	2.08
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	12.37	2.08
04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	8.64	2.08
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.52	2.38
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.72	2.38
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.96	2.38
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.75	2.38
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	87.47	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	108.63	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	137.32	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	107.61	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	133.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	168.76	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	127.58	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	173.36	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	212.35	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	174.34	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	227.23	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	280.09	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	29.51
		For Buff Or Gray, Add	*1.08*
		For Common Or American Bond, Add	*0.92*
		For English Bond, Add	*1.84*
		For Flemish Bond, Add	*3.78*
		For Stacked Bond, Add	*2.63*
		For <10, Small Area Replacements (Individual Areas), Add	*34.85*
		For Curved Wall, Add	*4.60*
		For Corbels, Add	*17.27*
		For Severe Weather (SW) Brick, Add	*0.97*
		For Glazed Brick, Add	*22.72*
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	30.54
		For Buff Or Gray, Add	*1.34*
		For Common Or American Bond, Add	*0.90*
		For English Bond, Add	*1.80*
		For Flemish Bond, Add	*3.78*
		For Stacked Bond, Add	*2.65*
		For <10, Small Area Replacements (Individual Areas), Add	*34.15*
		For Curved Wall, Add	*4.50*
		For Corbels, Add	*16.88*
		For Severe Weather (SW) Brick, Add	*1.21*
		For Glazed Brick, Add	*28.14*
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	29.51
		For Buff Or Gray, Add	*1.08*
		For Common Or American Bond, Add	*0.92*
		For English Bond, Add	*1.84*
		For Flemish Bond, Add	*3.78*
		For Stacked Bond, Add	*2.63*
		For <10, Small Area Replacements (Individual Areas), Add	*34.85*
		For Curved Wall, Add	*4.60*
		For Corbels, Add	*17.27*
		For Severe Weather (SW) Brick, Add	*0.97*
		For Glazed Brick, Add	*22.72*
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	30.54
		For Buff Or Gray, Add	*1.34*
		For Common Or American Bond, Add	*0.90*
		For English Bond, Add	*1.80*
		For Flemish Bond, Add	*3.78*
		For Stacked Bond, Add	*2.65*
		For <10, Small Area Replacements (Individual Areas), Add	*34.15*
		For Curved Wall, Add	*4.50*
		For Corbels, Add	*16.88*
		For Severe Weather (SW) Brick, Add	*1.21*
		For Glazed Brick, Add	*28.14*
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	30.33
		For Buff Or Gray, Add	*1.31*
		For Common Or American Bond, Add	*0.90*
		For English Bond, Add	*1.80*
		For Flemish Bond, Add	*3.77*
		For Stacked Bond, Add	*2.64*
		For <10, Small Area Replacements (Individual Areas), Add	*34.14*
		For Curved Wall, Add	*4.50*
		For Corbels, Add	*16.88*
		For Severe Weather (SW) Brick, Add	*1.17*
		For Glazed Brick, Add	*27.41*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	22.42	
		For Buff Or Gray, Add	*1.12*	
		For Common Or American Bond, Add	*0.63*	
		For English Bond, Add	*1.26*	
		For Flemish Bond, Add	*2.69*	
		For Stacked Bond, Add	*1.91*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.92*	
		For Curved Wall, Add	*3.14*	
		For Corbels, Add	*11.79*	
		For Severe Weather (SW) Brick, Add	*1.01*	
		For Glazed Brick, Add	*23.45*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	20.42	
		For Buff Or Gray, Add	*0.78*	
		For Common Or American Bond, Add	*0.63*	
		For English Bond, Add	*1.26*	
		For Flemish Bond, Add	*2.59*	
		For Stacked Bond, Add	*1.81*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.82*	
		For Curved Wall, Add	*3.14*	
		For Corbels, Add	*11.79*	
		For Severe Weather (SW) Brick, Add	*0.71*	
		For Glazed Brick, Add	*16.45*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	30.94	
		For Buff Or Gray, Add	*1.41*	
		For Common Or American Bond, Add	*0.90*	
		For English Bond, Add	*1.80*	
		For Flemish Bond, Add	*3.80*	
		For Stacked Bond, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.17*	
		For Curved Wall, Add	*4.50*	
		For Corbels, Add	*16.88*	
		For Severe Weather (SW) Brick, Add	*1.27*	
		For Glazed Brick, Add	*29.54*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	32.72	
		For Buff Or Gray, Add	*1.70*	
		For Common Or American Bond, Add	*0.90*	
		For English Bond, Add	*1.80*	
		For Flemish Bond, Add	*3.89*	
		For Stacked Bond, Add	*2.76*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.26*	
		For Curved Wall, Add	*4.50*	
		For Corbels, Add	*16.88*	
		For Severe Weather (SW) Brick, Add	*1.53*	
		For Glazed Brick, Add	*35.77*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	34.49	
		For Buff Or Gray, Add	*2.00*	
		For Common Or American Bond, Add	*0.90*	
		For English Bond, Add	*1.80*	
		For Flemish Bond, Add	*3.97*	
		For Stacked Bond, Add	*2.85*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.35*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	26.12	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	26.33	
		For Buff Or Gray, Add	*0.33*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	26.12	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	26.47	
		For Buff Or Gray, Add	*0.35*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	27.39	
		For Buff Or Gray, Add	*0.51*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	27.58	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	27.58	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	26.59	
		For Buff Or Gray, Add	*0.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	26.69	
		For Buff Or Gray, Add	*0.39*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.12	
		For Smooth Face, One Side, Add	*1.69*	
		For Smooth Face, Two Sides, Add	*2.84*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.47	
		For Smooth Face, One Side, Add	*1.87*	
		For Smooth Face, Two Sides, Add	*3.16*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	33.05	
		For Smooth Face, One Side, Add	*2.17*	
		For Smooth Face, Two Sides, Add	*3.68*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	45.41	
		For Smooth Face, One Side, Add	*3.34*	
		For Smooth Face, Two Sides, Add	*5.77*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	59.67	
		For Smooth Face, One Side, Add	*4.65*	
		For Smooth Face, Two Sides, Add	*8.11*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.72	
		For Smooth Face, One Side, Add	*1.36*	
		For Smooth Face, Two Sides, Add	*2.28*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.18	
		For Smooth Face, One Side, Add	*1.77*	
		For Smooth Face, Two Sides, Add	*2.99*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.90	
		For Smooth Face, One Side, Add	*1.79*	
		For Smooth Face, Two Sides, Add	*3.03*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	42.58	
		For Smooth Face, One Side, Add	*3.18*	
		For Smooth Face, Two Sides, Add	*5.52*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	58.01	
		For Smooth Face, One Side, Add	*4.60*	
		For Smooth Face, Two Sides, Add	*8.04*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	36.52	
		For Stacked Bond, Add	*2.44*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	40.72	
		For Stacked Bond, Add	*2.44*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	49.45	
		For Stacked Bond, Add	*2.56*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	38.45	
		For Stacked Bond, Add	*2.89*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	45.45	
		For Stacked Bond, Add	*2.89*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	28.43	
		For Stacked Bond, Add	*1.56*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	35.17	
		For Stacked Bond, Add	*1.67*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	48.23	
		For Stacked Bond, Add	*1.78*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	38.78	
		For Stacked Bond, Add	*2.00*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	38.72	
		For Stacked Bond, Add	*2.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0017		4W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	38.10	
		For Stacked Bond, Add	*2.44*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	40.20	
		For Stacked Bond, Add	*2.44*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	49.71	
		For Stacked Bond, Add	*2.56*	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	39.73	
		For Stacked Bond, Add	*2.89*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	45.34	
		For Stacked Bond, Add	*2.89*	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	39.45	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	42.58	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	49.71	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	43.03	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	48.45	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	57.58	
04 21 29		**Terra Cotta Masonry** *(04 21)*		
04 21 29 00-0001		Coping *(04 21 29)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF	Terra Cotta Coping	123.65	46.57
		For Smooth Tile Instead Of Scored, Add	*3.89*	
		For Reinforcing With Steel Rods, Add	*8.34*	
04 21 29 00-0003		Partition Or Back Up (Scored) *(04 21 29)*		
04 21 29 00-0004		Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	30.31	
		For Smooth Tile Instead Of Scored, Add	*3.93*	
		For Reinforcing With Steel Rods, Add	*3.70*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	32.17	
		For Smooth Tile Instead Of Scored, Add	*4.11*	
		For Reinforcing With Steel Rods, Add	*3.89*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	41.55	
		For Smooth Tile Instead Of Scored, Add	*5.61*	
		For Reinforcing With Steel Rods, Add	*5.20*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	50.87	
		For Smooth Tile Instead Of Scored, Add	*7.06*	
		For Reinforcing With Steel Rods, Add	*6.46*	
04 21 29 00-0009		Load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0010		In Walls *(04 21 29 00-0009)*		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	34.17	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*4.19*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	46.12	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.88*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	55.33	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*7.13*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	58.00	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*7.37*	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	69.70	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.90*	
04 21 29 00-0016		In Floors *(04 21 29 00-0009)*		
04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	31.06	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*4.04*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	42.67	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	51.78	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*6.96*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	54.00	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*7.17*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	64.50	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.64*	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	14.13	
		For Stacked Bond, Add	*3.07*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*2.36*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.89*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	15.73	
		For Stacked Bond, Add	*3.32*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.56*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.39*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	17.04	
		For Stacked Bond, Add	*3.57*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.83*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	18.78	
		For Stacked Bond, Add	*3.73*	
		For Scored Block, Add	*0.88*	
		For Curved Wall Application, Add	*2.87*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.87*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	22.27	
		For Stacked Bond, Add	*4.55*	
		For Scored Block, Add	*0.95*	
		For Curved Wall Application, Add	*3.50*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.62*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	15.21	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.40*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	16.69	
		For Stacked Bond, Add	*3.47*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.25*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	17.61	
		For Stacked Bond, Add	*3.68*	
		For Scored Block, Add	*0.69*	
		For Curved Wall Application, Add	*2.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.47*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	19.60	
		For Stacked Bond, Add	*3.85*	
		For Scored Block, Add	*0.96*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.57*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	23.22	
		For Stacked Bond, Add	*4.71*	
		For Scored Block, Add	*1.02*	
		For Curved Wall Application, Add	*3.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.53*	

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	14.43	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.34*	
		For 3,500 PSI, Add	*0.49*	
		For 5,000 PSI, Add	*0.84*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	15.98	
		For Stacked Bond, Add	*3.47*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.19*	
		For 3,500 PSI, Add	*0.56*	
		For 5,000 PSI, Add	*0.95*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	17.20	
		For Stacked Bond, Add	*3.68*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.44*	
		For 3,500 PSI, Add	*0.64*	
		For 5,000 PSI, Add	*1.10*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	20.71	
		For Stacked Bond, Add	*3.85*	
		For Scored Block, Add	*1.18*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.66*	
		For 3,500 PSI, Add	*1.24*	
		For 5,000 PSI, Add	*2.12*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	24.18	
		For Stacked Bond, Add	*4.71*	
		For Scored Block, Add	*1.22*	
		For Curved Wall Application, Add	*3.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.61*	
		For 3,500 PSI, Add	*1.28*	
		For 5,000 PSI, Add	*2.19*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	15.39	
		For Stacked Bond, Add	*3.23*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.49*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.88*	
		For 3,500 PSI, Add	*0.62*	
		For 5,000 PSI, Add	*1.06*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	16.45	
		For Stacked Bond, Add	*3.57*	
		For Scored Block, Add	*0.55*	
		For Curved Wall Application, Add	*2.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.78*	
		For 3,500 PSI, Add	*0.57*	
		For 5,000 PSI, Add	*0.98*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	17.75	
		For Stacked Bond, Add	*3.79*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*2.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.11*	
		For 3,500 PSI, Add	*0.67*	
		For 5,000 PSI, Add	*1.14*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	19.53	
		For Stacked Bond, Add	*3.98*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.25*	
		For 3,500 PSI, Add	*0.89*	
		For 5,000 PSI, Add	*1.53*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	23.15	
		For Stacked Bond, Add	*4.87*	
		For Scored Block, Add	*0.88*	
		For Curved Wall Application, Add	*3.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.43*	
		For 3,500 PSI, Add	*0.93*	
		For 5,000 PSI, Add	*1.59*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	16.41	
		For Stacked Bond, Add	*3.32*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.02*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	18.11	
		For Stacked Bond, Add	*3.57*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.25*	
		For Scored Block, Add	*0.88*	
		For Curved Wall Application, Add	*2.74*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	22.18	
		For Stacked Bond, Add	*4.55*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.43*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*3.50*	
04 22 23 13-0033		Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*		
		Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	16.45	
		For Stacked Bond, Add	*3.47*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.79*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.67*	
		For 3,500 PSI, Add	*0.66*	
		For 5,000 PSI, Add	*1.12*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	18.01	
		For Stacked Bond, Add	*3.68*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.94*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.83*	
		For 3,500 PSI, Add	*0.81*	
		For 5,000 PSI, Add	*1.39*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	22.25	
		For Stacked Bond, Add	*4.71*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.20*	
		For Scored Block, Add	*0.83*	
		For Curved Wall Application, Add	*3.62*	
		For 3,500 PSI, Add	*0.87*	
		For 5,000 PSI, Add	*1.49*	
04 22 23 23		**Prefaced Concrete Unit Masonry** *(04 22 23)*		
04 22 23 23-0001		Ground Face Concrete Blocks *(04 22 23 23)*		
04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	18.53	
		For Stacked Bond, Add	*3.85*	
		For Scored Block, Add	*0.74*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.49*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	20.90	
		For Stacked Bond, Add	*4.33*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.31*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	22.62	
		For Stacked Bond, Add	*4.58*	
		For Scored Block, Add	*1.00*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.79*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	24.19	
		For Stacked Bond, Add	*4.85*	
		For Scored Block, Add	*1.11*	
		For Curved Wall Application, Add	*3.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.40*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	28.67	
		For Stacked Bond, Add	*5.88*	
		For Scored Block, Add	*1.21*	
		For Curved Wall Application, Add	*4.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.38*	
04 22 23 26		**Sound-Absorbing Concrete Unit Masonry** *(04 22 23)*		
04 22 23 26-0001		Slotted, Acoustical Concrete Block *(04 22 23 26)*		
04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	25.09	
		For Stacked Bond, Add	*3.85*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.99*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	28.14	
		For Stacked Bond, Add	*4.18*	
		For Curved Wall Application, Add	*3.22*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.04*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	32.47	
		For Stacked Bond, Add	*4.58*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.53*	
04 22 23 29		**Split-Face Concrete Unit Masonry** *(04 22 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0001		Split Face, Concrete Blocks *(04 22 23 29)*		
04 22 23 29-0002		Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	18.98	
		For Stacked Bond, Add	*3.85*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.53*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.42	
		For Stacked Bond, Add	*4.33*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.35*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	23.21	
		For Stacked Bond, Add	*4.58*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.84*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	24.89	
		For Stacked Bond, Add	*4.85*	
		For Curved Wall Application, Add	*3.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.46*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	29.08	
		For Stacked Bond, Add	*5.88*	
		For Curved Wall Application, Add	*4.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.41*	
04 22 23 29-0008		Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	20.02	
		For Stacked Bond, Add	*3.85*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.62*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.61*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.61	
		For Stacked Bond, Add	*4.33*	
		For Grout And Fill With 2 #5 Rebar, Add	*14.28*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.44*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	24.62	
		For Stacked Bond, Add	*4.58*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.82*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.94*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	26.45	
		For Stacked Bond, Add	*4.85*	
		For Grout And Fill With 2 #5 Rebar, Add	*17.12*	
		For Curved Wall Application, Add	*3.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.57*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	30.70	
		For Stacked Bond, Add	*5.88*	
		For Grout And Fill With 2 #5 Rebar, Add	*19.39*	
		For Curved Wall Application, Add	*4.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.54*	
04 22 23 29-0014		Split Rib, Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	18.64	
		For Stacked Bond, Add	*3.85*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.50*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	22.19	
		For Stacked Bond, Add	*4.33*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.40*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	23.62	
		For Stacked Bond, Add	*4.58*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.87*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	25.22	
		For Stacked Bond, Add	*4.85*	
		For Curved Wall Application, Add	*3.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.48*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	29.81	
		For Stacked Bond, Add	*5.88*	
		For Curved Wall Application, Add	*4.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*34.47*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	32.79	
		For Stacked Bond, Add	*3.73*	
		For Curved Wall Application, Add	*2.87*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.92*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	35.12	
		For Stacked Bond, Add	*4.11*	
		For Curved Wall Application, Add	*3.16*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.18*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	37.18	
		For Stacked Bond, Add	*4.33*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.53*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	39.39	
		For Stacked Bond, Add	*4.58*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.05*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	44.13	
		For Stacked Bond, Add	*5.54*	
		For Curved Wall Application, Add	*4.26*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.65*	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	43.74	
		For Stacked Bond, Add	*4.26*	
		For Curved Wall Application, Add	*3.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.61*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	45.88	
		For Stacked Bond, Add	*4.58*	
		For Curved Wall Application, Add	*3.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.54*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	48.93	
		For Stacked Bond, Add	*5.05*	
		For Curved Wall Application, Add	*3.89*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.37*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	96.44	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-6.69*	
		For >5,000, Deduct	*-11.50*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	69.30	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-4.84*	
		For >5,000, Deduct	*-8.29*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	78.61	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-5.19*	
		For >5,000, Deduct	*-9.11*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	974.49
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	737.26
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	502.86
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	351.79

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.45	9.12
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.93	9.12

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*
Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	63.91	19.85
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	66.65	20.11
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	74.68	20.49
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	80.84	21.13
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	86.05	22.41
04 42 43 00-0007	CF	Marble Face Panel	343.94	73.00

04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*
Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	66.32	39.83
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	70.22	41.75
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	74.30	43.68
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	85.48	48.03

04 42 43 00-0013 Sandstone Panels *(04 42 43)*

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	75.13	41.75
04 42 43 00-0015	SF	4" Thick Sandstone Panels	83.00	48.03
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	77.18	48.03

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001 Marble *(04 43 16)*

04 43 16 00-0002 Marble Base *(04 43 16 00-0001)*
Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	117.29	79.92
04 43 16 00-0004	LF	6" High Marble Base	130.92	87.08

04 43 16 00-0005 Marble Columns *(04 43 16 00-0001)*

04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	257.11	73.00
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	384.69	73.00

04 43 16 00-0008 Marble Flooring *(04 43 16 00-0001)*

04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	30.42	18.30
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	31.84	18.30
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	37.56	20.90

04 43 16 00-0012 Marble Items *(04 43 16 00-0001)*

04 43 16 00-0013	LF	12" Wide Marble Stair Treads	69.41	29.10
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	53.53	23.32
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	33.87	17.11
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	58.41	21.01
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	41.91	26.54

04 43 16 00-0018 Limestone *(04 43 16)*

04 43 16 00-0019 Ashlar Veneer Limestone *(04 43 16 00-0018)*

04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	64.95	29.10
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	97.58	39.99

04 43 16 00-0022 Limestone Coping *(04 43 16 00-0018)*
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	31.70	10.24
04 43 16 00-0024	SF	3" Thick Limestone Coping	35.23	10.89
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	38.75	11.53
04 43 16 00-0026	SF	4" Thick Limestone Coping	40.99	11.91
04 43 16 00-0027	SF	5" Thick Limestone Coping	46.76	12.17
04 43 16 00-0028	SF	6" Thick Limestone Coping	65.73	12.81
04 43 16 00-0029	CF	>6" Thick Limestone Coping	108.26	25.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0030		**Limestone Stair Treads** *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	39.05	9.60
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	41.38	10.24
04 43 16 00-0033	SF	3" Thick Limestone Treads	46.08	10.89
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	49.49	11.53
04 43 16 00-0035	SF	4" Thick Limestone Treads	52.91	11.53
04 43 16 00-0036	SF	5" Thick Limestone Treads	57.17	12.17
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	76.52	12.81
04 43 16 00-0038		**Limestone Items** *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	199.36	97.47
04 43 16 00-0040		**Granite** *(04 43 16)*		
04 43 16 00-0041		**Polished Granite Veneer Facing Panels** *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	132.59	40.09
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	120.07	40.09
04 43 16 00-0044		**Granite Stair Treads** *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	77.81	9.60
04 43 16 00-0046		**Slate** *(04 43 16)*		
04 43 16 00-0047		**Slate Panels Or Sills** *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	68.17	40.09
04 43 16 00-0049	SF	2" Thick Slate Panels	77.73	40.09
04 43 16 00-0050		**Slate Sills Or Stools** *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	30.78	17.22
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	36.86	17.22
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	36.00	17.22
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	49.04	17.22
04 43 16 00-0055		**Slate Stair Treads** *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	44.96	9.60

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		**Rectangular Flue Liners** *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	22.33	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	30.76	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	35.07	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	43.65	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	53.22	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	60.51	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	65.99	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	81.37	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	86.92	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	111.92	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	121.93	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	144.52	
04 51 00 00-0014		**Round Flue Liners** *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	54.42	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	79.06	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	103.94	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	126.54	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	155.14	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	167.68	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	213.91	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	262.65	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	303.10	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	344.74	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	361.62	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	368.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0027		Standard Chimney Block *(04 51)* Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	36.02	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	39.41	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	39.67	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	41.61	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	43.80	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	46.13	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	52.10	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001		Precast Concrete Lintels *(04 72)*		
04 72 00 00-0002		Solid Precast Concrete Lintels *(04 72 00 00-0001)*		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	19.49	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	24.77	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	30.56	
04 72 00 00-0006		U Shaped Precast Concrete Lintels *(04 72 00 00-0001)* Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	20.88	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	25.29	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	41.39	
04 72 00 00-0010		Precast Concrete Coping *(04 72)* Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011		Precast Concrete Coping *(04 72 00 00-0010)* Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	59.93	14.08
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	67.34	15.16
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	77.64	16.25
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	83.39	17.32
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	89.20	18.41
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	105.83	19.50
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	120.50	20.57
04 72 00 00-0019		Precast Concrete Window Sills *(04 72)* Note: Includes caulk and ties.		
04 72 00 00-0020		Precast Concrete Window Sills *(04 72 00 00-0019)*		
04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	43.78	10.83
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	65.14	10.83
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	76.70	10.83

END OF SECTION 04

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.70	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.79	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.23	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.00	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.07	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.08	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.35	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.90	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.95	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.06	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.36	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.77	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.14	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.18*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.23	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.18*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.42	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.19*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.78	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.21*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.14	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.11*	
		For >100, Deduct	*-6.23*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.02	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.37*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.49	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.49*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.83	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.68*	
		For >100, Deduct	*-7.37*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.91	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.37*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.35	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.39*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.88	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.42*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.48	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.45*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.79	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.57*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	46.85	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.86*	
		For >100, Deduct	*-7.72*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.31	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.95*	
		For >100, Deduct	*-7.89*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.30	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.17*	
		For >100, Deduct	*-8.35*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	52.12	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.22*	
		For >100, Deduct	*-8.44*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	54.53	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.56*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	63.02	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.35*	
		For >100, Deduct	*-10.70*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	66.44	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.44*	
		For >100, Deduct	*-10.87*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	69.84	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.52*	
		For >100, Deduct	*-11.04*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	81.71	
		For >10 To 50, Deduct	*-3.22*	
		For >50 To 100, Deduct	*-6.88*	
		For >100, Deduct	*-13.75*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	84.16	
		For >10 To 50, Deduct	*-3.22*	
		For >50 To 100, Deduct	*-6.94*	
		For >100, Deduct	*-13.87*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.52	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.08	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.81	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.22	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.70	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.05	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	24.67	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.81*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.90	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.31*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.80	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-5.35*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	34.33	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.38*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.72	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.50*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	40.31	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	47.35	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.44*	
		For >100, Deduct	*-6.89*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.68	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.50*	
		For >100, Deduct	*-7.00*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	52.21	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.56*	
		For >100, Deduct	*-7.13*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	55.57	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.65*	
		For >100, Deduct	*-7.30*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	70.33	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-4.02*	
		For >100, Deduct	*-8.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.52	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.20*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.27	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.22*	
		For >100, Deduct	*-8.44*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	65.33	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.32*	
		For >100, Deduct	*-8.64*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	65.83	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.33*	
		For >100, Deduct	*-8.67*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.63	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-8.86*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	79.52	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.35*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	93.46	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-5.02*	
		For >100, Deduct	*-10.05*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	93.93	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-5.27*	
		For >100, Deduct	*-10.53*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	136.65	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-7.19*	
		For >100, Deduct	*-14.38*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	157.27	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-7.71*	
		For >100, Deduct	*-15.41*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	17.01	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.02	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.07*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	22.78	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.61	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.75*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.82	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.77*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	27.78	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	36.68	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.49*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.98	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.61*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	43.15	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.82*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	44.19	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	60.13	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-7.52*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	61.38	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.59*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	74.40	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.55*	
		For >100, Deduct	*-9.10*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	79.62	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.36*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.36	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	31.93	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-5.26*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	33.50	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	34.28	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.37*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	41.42	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.59*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	39.53	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.49*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	53.42	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.02*	
		For >100, Deduct	*-8.05*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	55.15	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.07*	
		For >100, Deduct	*-8.13*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	63.64	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.56*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	68.42	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.49*	
		For >100, Deduct	*-10.97*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	73.30	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.61*	
		For >100, Deduct	*-11.21*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	78.14	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-11.46*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.86	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.99	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.15	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.64	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.76	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.71	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.93	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.14	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.40	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.93*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.67	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.94*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.91	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.20	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.70	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.10*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.12	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.44	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.34	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.18*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.48	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.65*	
		For >100, Deduct	*-7.30*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.26	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.34*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.96	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.37*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	41.09	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.43*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	17.42	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.75	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	24.97	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	33.87	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.35*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	37.87	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.55*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	51.83	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.11*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.50	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.72	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.95*	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.43	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.09*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.34	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.14*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.70	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.51*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.39	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.92	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.57*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.09	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.01*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.50	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	28.70	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.09*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.26	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.17*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.30	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.73	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.35*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.00	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	44.46	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.60*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	45.80	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.66*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.64	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.22	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.93*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	30.45	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.85*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	34.21	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.46*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	40.39	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.43*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	25.69	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.30*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	34.53	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.70*	
		For >100, Deduct	*-5.40*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	43.14	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.48*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	54.61	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.74*	
		For >100, Deduct	*-7.48*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	75.45	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.59*	
		For >100, Deduct	*-9.18*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.05	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	16.00	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.07*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	18.10	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	26.20	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	35.13	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.27*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	42.21	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.74*	
		For >100, Deduct	*-7.49*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.49	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.42	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	19.27	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	27.15	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.01*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.27	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.12*	
		For >100, Deduct	*-6.23*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	39.11	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.33*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.41	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	21.01	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	26.12	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.28*	
		For >100, Deduct	*-4.55*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.30	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.17*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	31.65	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	39.15	
		For >10 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.47*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	49.83	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.93*	
		For >100, Deduct	*-7.87*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	57.94	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.36*	
		For >100, Deduct	*-8.72*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	78.34	
		For >10 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-11.47*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	109.73	
		For >10 To 50, Deduct	*-3.17*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-15.01*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	16.18	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	17.70	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.71	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	25.11	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	27.90	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.31*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	35.16	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.28*	
		For >100, Deduct	*-6.56*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	38.51	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.54*	
		For >100, Deduct	*-7.07*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	47.68	
		For >10 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-4.30*	
		For >100, Deduct	*-8.59*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	52.59	
		For >10 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.36*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.83	
		For >10 To 50, Deduct	*-2.54*	
		For >50 To 100, Deduct	*-5.33*	
		For >100, Deduct	*-10.66*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	67.95	
		For >10 To 50, Deduct	*-2.77*	
		For >50 To 100, Deduct	*-5.85*	
		For >100, Deduct	*-11.70*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	77.04	
		For >10 To 50, Deduct	*-3.01*	
		For >50 To 100, Deduct	*-6.45*	
		For >100, Deduct	*-12.89*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	95.95	
		For >10 To 50, Deduct	*-3.54*	
		For >50 To 100, Deduct	*-7.71*	
		For >100, Deduct	*-15.42*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	135.81	
		For >10 To 50, Deduct	*-4.28*	
		For >50 To 100, Deduct	*-9.81*	
		For >100, Deduct	*-19.62*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.46	
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.07*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	14.68	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	14.75	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	14.89	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	14.76	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	14.84	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	15.01	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	16.59	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-2.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	17.37	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.03*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	17.58	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	17.96	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	18.28	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	18.96	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.11*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	19.79	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.15*	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	20.56	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	22.71	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	22.97	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	24.28	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.38*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	25.63	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	26.50	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	26.11	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	27.36	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	30.28	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	9.03	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	9.03	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	9.09	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	9.10	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.75*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.19	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.30	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.48	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.45*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.71	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.81	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.50	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.28	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.27*	
		For >100, Deduct	*-0.53*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Minimum Charge For Welding Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	550.49	

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

See CSI section 05 05 21 00-0007 for a series of welds.

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	13.58	
		For Aluminum Welding, Add	*2.17*	
		For Stainless Steel Welding, Add	*3.56*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	10.62	
		For Aluminum Welding, Add	*1.73*	
		For Stainless Steel Welding, Add	*2.82*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	8.98	
		For Aluminum Welding, Add	*2.01*	
		For Stainless Steel Welding, Add	*3.08*	
		For Up To 25, Add	*2.87*	
		For >25 To 50, Add	*2.02*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	17.13	
		For Aluminum Welding, Add	*3.39*	
		For Stainless Steel Welding, Add	*5.31*	
		For Up To 25, Add	*5.65*	
		For >25 To 50, Add	*4.01*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	25.73	
		For Aluminum Welding, Add	*5.12*	
		For Stainless Steel Welding, Add	*8.01*	
		For Up To 25, Add	*8.48*	
		For >25 To 50, Add	*6.01*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	33.96	
		For Aluminum Welding, Add	*6.79*	
		For Stainless Steel Welding, Add	*10.61*	
		For Up To 25, Add	*11.18*	
		For >25 To 50, Add	*7.93*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	42.86	
		For Aluminum Welding, Add	*8.51*	
		For Stainless Steel Welding, Add	*13.32*	
		For Up To 25, Add	*14.13*	
		For >25 To 50, Add	*10.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	49.40	
		For Aluminum Welding, Add	*9.06*	
		For Stainless Steel Welding, Add	*14.41*	
		For Up To 25, Add	*16.60*	
		For >25 To 50, Add	*11.80*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	58.63	
		For Aluminum Welding, Add	*11.70*	
		For Stainless Steel Welding, Add	*18.29*	
		For Up To 25, Add	*19.31*	
		For >25 To 50, Add	*13.69*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	68.10	
		For Aluminum Welding, Add	*12.82*	
		For Stainless Steel Welding, Add	*20.28*	
		For Up To 25, Add	*22.75*	
		For >25 To 50, Add	*16.16*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	78.99	
		For Aluminum Welding, Add	*14.93*	
		For Stainless Steel Welding, Add	*23.60*	
		For Up To 25, Add	*26.36*	
		For >25 To 50, Add	*18.72*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	107.29	
		For Aluminum Welding, Add	*21.39*	
		For Stainless Steel Welding, Add	*33.44*	
		For Up To 25, Add	*35.35*	
		For >25 To 50, Add	*25.06*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	157.53	
		For Aluminum Welding, Add	*29.53*	
		For Stainless Steel Welding, Add	*46.76*	
		For Up To 25, Add	*52.68*	
		For >25 To 50, Add	*37.42*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	213.43	
		For Aluminum Welding, Add	*41.91*	
		For Stainless Steel Welding, Add	*65.73*	
		For Up To 25, Add	*70.58*	
		For >25 To 50, Add	*50.06*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	7.63	
		For Aluminum Welding, Add	*1.81*	
		For Stainless Steel Welding, Add	*2.74*	
		For Up To 25, Add	*2.39*	
		For >25 To 50, Add	*1.69*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	14.62	
		For Aluminum Welding, Add	*3.06*	
		For Stainless Steel Welding, Add	*4.74*	
		For Up To 25, Add	*4.75*	
		For >25 To 50, Add	*3.37*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	21.86	
		For Aluminum Welding, Add	*4.58*	
		For Stainless Steel Welding, Add	*7.09*	
		For Up To 25, Add	*7.11*	
		For >25 To 50, Add	*5.03*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	28.93	
		For Aluminum Welding, Add	*6.12*	
		For Stainless Steel Welding, Add	*9.45*	
		For Up To 25, Add	*9.39*	
		For >25 To 50, Add	*6.64*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	36.48	
		For Aluminum Welding, Add	*7.64*	
		For Stainless Steel Welding, Add	*11.84*	
		For Up To 25, Add	*11.86*	
		For >25 To 50, Add	*8.40*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	41.78	
		For Aluminum Welding, Add	*8.00*	
		For Stainless Steel Welding, Add	*12.61*	
		For Up To 25, Add	*13.90*	
		For >25 To 50, Add	*9.87*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	49.86	
		For Aluminum Welding, Add	*10.52*	
		For Stainless Steel Welding, Add	*16.26*	
		For Up To 25, Add	*16.19*	
		For >25 To 50, Add	*11.45*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	57.80	
		For Aluminum Welding, Add	*11.45*	
		For Stainless Steel Welding, Add	*17.92*	
		For Up To 25, Add	*19.07*	
		For >25 To 50, Add	*13.52*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	67.54	
		For Aluminum Welding, Add	*13.73*	
		For Stainless Steel Welding, Add	*21.39*	
		For Up To 25, Add	*22.14*	
		For >25 To 50, Add	*15.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	91.36	
		For Aluminum Welding, Add	*19.26*	
		For Stainless Steel Welding, Add	*29.79*	
		For Up To 25, Add	*29.66*	
		For >25 To 50, Add	*20.99*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	132.27	
		For Aluminum Welding, Add	*25.35*	
		For Stainless Steel Welding, Add	*39.95*	
		For Up To 25, Add	*44.00*	
		For >25 To 50, Add	*31.23*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	180.99	
		For Aluminum Welding, Add	*37.52*	
		For Stainless Steel Welding, Add	*58.21*	
		For Up To 25, Add	*59.03*	
		For >25 To 50, Add	*41.79*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	15.55	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	17.26	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	17.31	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.67	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	20.18	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	24.24	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	30.91	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	33.23	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.03*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	24.29	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	29.40	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.72*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	34.76	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	50.11	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	58.72	2.25
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.75*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	66.17	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0018		**Galvanized A307B Heavy Hex Bolts** *(05 05 23 00-0002)*		
05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	16.39	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	17.82	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	19.38	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	22.74	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.29*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.53	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.02*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	28.59	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.59*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	38.40	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.17*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	45.35	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.64*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	30.45	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.57*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	36.34	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	43.71	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.28*	
		For >100, Deduct	*-4.56*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	66.34	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.81*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	65.98	2.25
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.11*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	82.99	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.16*	
05 05 23 00-0033		**A325 High Strength Structural Bolts** *(05 05 23 00-0001)*		
05 05 23 00-0034		**Plain Finish A325 High Strength Structural Bolts** *(05 05 23 00-0033)*		
		Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	15.16	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.65*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	15.53	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	16.74	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	20.70	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.19*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.22	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	18.42	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	22.50	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	25.80	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	32.16	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.98*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	21.53	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.13*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	26.46	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.57*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	30.42	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.89*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	33.04	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	23.92	1.70
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	28.99	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.82*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	33.85	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	43.90	2.12
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.85*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	41.79	2.12
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	47.56	2.25
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.19*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	56.13	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.82*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	66.25	2.58
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-6.53*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	15.91	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	16.18	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	18.33	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.84	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.14	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.41*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	19.15	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	23.42	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.33*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	27.24	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.62*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	35.56	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.15*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	25.93	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	29.06	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	33.57	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.05*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	42.49	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.61*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	27.34	1.70
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	36.83	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.21*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	40.41	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.26*	
		For >100, Deduct	*-4.51*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	51.99	2.12
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-5.25*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	51.66	2.12
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.23*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	55.10	2.25
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.57*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	64.77	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.25*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	75.27	2.58
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-6.98*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	17.34	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	24.80	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	26.58	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	19.66	1.51
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.91	1.73
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.35*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	28.08	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	36.59	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	22.96	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	26.92	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.59*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	39.67	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.35*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	27.27	1.70
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	32.75	1.90
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	37.88	1.99
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.38*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	47.76	2.12
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.04*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	61.81	2.25
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.90*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	65.01	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.26*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	67.77	2.58
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.60*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.28	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.66	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.76	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.09	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.96	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.91	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.05	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.19	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.27	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.90	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.69	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.91	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.61	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.55	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.75	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.32	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.06	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.86	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.08	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.31	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.91	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.94	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.27	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.68	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.46	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.09	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.57	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.03	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.09	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.92	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.66	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.32	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.09	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.19	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.94	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.71	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.31	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.87	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.35	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.78	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.51	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.11	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.58	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.80	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.20	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.25	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.98	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.78	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.09	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.90	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.96	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.00	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.66	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.09	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.73	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.51	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.43	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.46	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.79	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.53	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.36	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.80	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.85	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.18	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.25	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.30	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.54	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.65	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.68	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.78	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.95	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.34	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.87	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.25	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.94	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.28	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.66	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.60	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.26	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.42	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.86	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	34.00	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	35.20	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	36.41	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	37.76	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	38.95	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	40.16	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.28	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.58	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.34	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.08	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0320		**3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0285)*		
05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.58	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.75	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.03	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.01	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.64	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.72	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.67	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.29	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.01	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.63	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.20	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.12	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.50	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.47	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.61	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.16	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.36	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.63	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.59	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.94	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.46	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.27	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.67	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.43	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.13	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.57	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.32	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.79	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.36	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.55	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.20	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.28	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.56	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.96	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.35	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.32	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.41	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.50	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.57	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.04	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.70	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.19	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.47	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.71	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.12	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.14	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.29	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.41	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.79	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.82	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.53	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.77	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.46	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.77	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.56	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.07	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.13	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.87	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.75	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.82	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.61	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.73	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.36	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.28	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.85	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.69	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.14	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.21	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.46	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.81	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.40	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.13	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.91	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.14	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.06	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.75	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.52	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.82	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.27	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.72	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.81	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.15	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.57	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.78	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	36.99	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.52	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.62	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.63	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.36	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.57	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.75	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.46	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.93	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.30	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.68	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.49	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.04	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.76	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	44.17	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	44.81	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	46.56	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	47.75	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.05	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.55	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.24	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.88	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.01	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.55	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.17	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.48	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.16	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.68	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.05	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.41	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.84	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.96	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.36	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.81	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.87	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.91	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.32	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.45	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.60	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.84	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.87	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.06	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.75	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.85	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.26	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.85	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.76	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.21	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.50	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.49	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	36.91	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.89	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.38	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.34	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.92	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.23	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.71	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.94	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.43	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.45	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.14	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.31	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.79	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.11	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.39	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.56	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.68	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.79	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.99	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.68	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.11	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.35	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.13	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.24	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.92	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.78	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.66	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.31	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.59	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.47	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.93	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.36	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.96	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.11	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.53	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.07	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.62	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.67	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.30	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.49	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.10	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.04	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.05	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.64	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.11	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.93	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.48	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.40	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.99	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.51	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.97	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.36	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	46.31	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0635		1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*		
05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.62	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.99	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.84	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.86	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.77	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.54	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.19	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.39	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.67	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.60	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.21	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.18	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	43.38	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.28	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	47.30	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	48.80	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	52.76	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	55.18	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0654		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*		
05 05 23 00-0655		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.29	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.86	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.23	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.82	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.58	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.57	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.13	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.18	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.62	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.70	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.83	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.27	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.87	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.77	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.98	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.88	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.37	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.77	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.90	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.27	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.29	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.59	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.66	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.83	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.28	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740		EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.58	
			For >100 To 250, Deduct	*-2.32*	
			For >250 To 500, Deduct	*-2.90*	
			For >500, Deduct	*-3.48*	
05 05 23 00-0741		EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.78	
			For >100 To 250, Deduct	*-2.32*	
			For >250 To 500, Deduct	*-2.90*	
			For >500, Deduct	*-3.48*	
05 05 23 00-0742		EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.36	
			For >100 To 250, Deduct	*-2.37*	
			For >250 To 500, Deduct	*-2.96*	
			For >500, Deduct	*-3.56*	
05 05 23 00-0743		EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.80	
			For >100 To 250, Deduct	*-2.37*	
			For >250 To 500, Deduct	*-2.96*	
			For >500, Deduct	*-3.56*	
05 05 23 00-0744		EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.78	
			For >100 To 250, Deduct	*-2.37*	
			For >250 To 500, Deduct	*-2.96*	
			For >500, Deduct	*-3.56*	
05 05 23 00-0745		EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.20	
			For >100 To 250, Deduct	*-2.42*	
			For >250 To 500, Deduct	*-3.03*	
			For >500, Deduct	*-3.63*	
05 05 23 00-0746		EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.37	
			For >100 To 250, Deduct	*-2.42*	
			For >250 To 500, Deduct	*-3.03*	
			For >500, Deduct	*-3.63*	
05 05 23 00-0747		EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.67	
			For >100 To 250, Deduct	*-2.42*	
			For >250 To 500, Deduct	*-3.03*	
			For >500, Deduct	*-3.63*	
05 05 23 00-0748		EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.31	
			For >100 To 250, Deduct	*-2.47*	
			For >250 To 500, Deduct	*-3.09*	
			For >500, Deduct	*-3.71*	
05 05 23 00-0749		EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.66	
			For >100 To 250, Deduct	*-2.47*	
			For >250 To 500, Deduct	*-3.09*	
			For >500, Deduct	*-3.71*	
05 05 23 00-0750		EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.66	
			For >100 To 250, Deduct	*-2.47*	
			For >250 To 500, Deduct	*-3.09*	
			For >500, Deduct	*-3.71*	
05 05 23 00-0751		EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.99	
			For >100 To 250, Deduct	*-2.53*	
			For >250 To 500, Deduct	*-3.16*	
			For >500, Deduct	*-3.79*	
05 05 23 00-0752		EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.75	
			For >100 To 250, Deduct	*-2.53*	
			For >250 To 500, Deduct	*-3.16*	
			For >500, Deduct	*-3.79*	
05 05 23 00-0753		EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.27	
			For >100 To 250, Deduct	*-2.53*	
			For >250 To 500, Deduct	*-3.16*	
			For >500, Deduct	*-3.79*	
05 05 23 00-0754		EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.27	
			For >100 To 250, Deduct	*-2.58*	
			For >250 To 500, Deduct	*-3.22*	
			For >500, Deduct	*-3.87*	
05 05 23 00-0755		EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.10	
			For >100 To 250, Deduct	*-2.58*	
			For >250 To 500, Deduct	*-3.22*	
			For >500, Deduct	*-3.87*	
05 05 23 00-0756		EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.01	
			For >100 To 250, Deduct	*-2.58*	
			For >250 To 500, Deduct	*-3.22*	
			For >500, Deduct	*-3.87*	
05 05 23 00-0757		EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.15	
			For >100 To 250, Deduct	*-2.58*	
			For >250 To 500, Deduct	*-3.22*	
			For >500, Deduct	*-3.87*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759		EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.71	
			For >100 To 250, Deduct	*-2.32*	
			For >250 To 500, Deduct	*-2.90*	
			For >500, Deduct	*-3.48*	
05 05 23 00-0760		EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.77	
			For >100 To 250, Deduct	*-2.32*	
			For >250 To 500, Deduct	*-2.90*	
			For >500, Deduct	*-3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.20	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.45	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.18	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.26	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.45	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.82	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.99	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.47	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.69	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.84	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.32	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.28	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.79	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.07	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.21	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.85	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.41	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.98	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.91	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.35	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.79	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.58	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.38	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.99	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.85	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.79	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.92	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.19	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.76	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.38	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.17	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.91	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.79	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.21	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.27	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.10	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.26	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.68	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.91	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.29	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.74	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.91	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.96	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.71	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	38.43	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	39.20	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	40.60	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	41.67	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	43.24	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.80	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.67	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.02	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.85	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.04	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.97	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.38	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.76	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.12	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.54	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.58	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.87	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.07	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.62	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.48	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.84	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.39	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.28	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.74	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.43	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.86	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.27	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.60	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.15	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.48	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.01	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.37	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.90	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.85	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.99	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.28	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.46	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.23	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.45	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.65	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.14	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.50	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.84	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.15	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.35	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.21	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.24	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.61	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.00	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.78	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.32	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.38	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.01	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.72	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.36	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.96	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.96	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.39	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.45	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.46	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.07	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.23	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.67	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.96	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.13	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.53	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.61	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.29	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.70	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.99	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.58	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.05	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.03	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.33	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.99	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.83	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.52	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.76	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.56	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.66	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.75	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.67	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.34	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.67	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.77	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.36	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.48	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.51	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.85	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.52
		For >100 To 250, Deduct	*-2.58*
		For >250 To 500, Deduct	*-3.22*
		For >500, Deduct	*-3.87*
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.97
		For >100 To 250, Deduct	*-2.58*
		For >250 To 500, Deduct	*-3.22*
		For >500, Deduct	*-3.87*
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.10
		For >100 To 250, Deduct	*-2.63*
		For >250 To 500, Deduct	*-3.29*
		For >500, Deduct	*-3.94*
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.59
		For >100 To 250, Deduct	*-2.63*
		For >250 To 500, Deduct	*-3.29*
		For >500, Deduct	*-3.94*
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.40
		For >100 To 250, Deduct	*-2.63*
		For >250 To 500, Deduct	*-3.29*
		For >500, Deduct	*-3.94*
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.70
		For >100 To 250, Deduct	*-2.68*
		For >250 To 500, Deduct	*-3.35*
		For >500, Deduct	*-4.02*
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.50
		For >100 To 250, Deduct	*-2.68*
		For >250 To 500, Deduct	*-3.35*
		For >500, Deduct	*-4.02*
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.92
		For >100 To 250, Deduct	*-2.68*
		For >250 To 500, Deduct	*-3.35*
		For >500, Deduct	*-4.02*
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.98
		For >100 To 250, Deduct	*-2.73*
		For >250 To 500, Deduct	*-3.41*
		For >500, Deduct	*-4.10*
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.07
		For >100 To 250, Deduct	*-2.73*
		For >250 To 500, Deduct	*-3.41*
		For >500, Deduct	*-4.10*
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.56
		For >100 To 250, Deduct	*-2.73*
		For >250 To 500, Deduct	*-3.41*
		For >500, Deduct	*-4.10*
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.23
		For >100 To 250, Deduct	*-2.78*
		For >250 To 500, Deduct	*-3.48*
		For >500, Deduct	*-4.18*
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.39
		For >100 To 250, Deduct	*-2.78*
		For >250 To 500, Deduct	*-3.48*
		For >500, Deduct	*-4.18*
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	70.54
		For >100 To 250, Deduct	*-2.78*
		For >250 To 500, Deduct	*-3.48*
		For >500, Deduct	*-4.18*
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	83.40
		For >100 To 250, Deduct	*-2.83*
		For >250 To 500, Deduct	*-3.54*
		For >500, Deduct	*-4.25*
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	93.50
		For >100 To 250, Deduct	*-2.83*
		For >250 To 500, Deduct	*-3.54*
		For >500, Deduct	*-4.25*
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	98.17
		For >100 To 250, Deduct	*-2.83*
		For >250 To 500, Deduct	*-3.54*
		For >500, Deduct	*-4.25*
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	102.83
		For >100 To 250, Deduct	*-2.83*
		For >250 To 500, Deduct	*-3.54*
		For >500, Deduct	*-4.25*

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.47
		For >100 To 250, Deduct	*-2.58*
		For >250 To 500, Deduct	*-3.22*
		For >500, Deduct	*-3.87*
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.26
		For >100 To 250, Deduct	*-2.58*
		For >250 To 500, Deduct	*-3.22*
		For >500, Deduct	*-3.87*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.18	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.44	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.15	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.58	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.16	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.99	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.83	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.04	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.30	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	80.54	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.47	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	84.41	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	88.52	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	94.45	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	121.35	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	152.69	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.64	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.93	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.28	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.67	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.52	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.66	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.86	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	14.12	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	23.54	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	35.21	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	60.36	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	66.09	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.88	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.26	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.22	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.24	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.89	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.51	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	13.61	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.65	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.05	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.71	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	16.15	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.86	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.62	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-2.94*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.42	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.68	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	39.52	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.02*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.93	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.33	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.80	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.15	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.37	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.76	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.14	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	24.96	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.76	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.34	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.92	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	27.64	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.13	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.94	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.25	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.03	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.45	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	27.35	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.98	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	28.75	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.81	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.13	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.75	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	46.10	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.40*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.85	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	65.27	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.48	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	68.37	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	34.45	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.11	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	46.04	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.09*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.29	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	56.56	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.83	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	65.37	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.72	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	73.58	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.25*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.00	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	78.40	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	19.56	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.79	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	19.87	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.64	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	23.20	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.17	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	29.47	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.82	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	35.32	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.43	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	39.67	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.27	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	50.29	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.25	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	54.81	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.27	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	61.28	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.65	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	91.00	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	25.60	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.14	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	28.21	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-3.48*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.27	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	34.13	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.37	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.56*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	41.40	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.37	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.46	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-3.63*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.15	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	48.63	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.23	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-3.71*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.51	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	76.09	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	77.38	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.80	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	95.79	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	96.89	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	99.63	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.86	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	32.43	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.63	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	39.63	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.87	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.10	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.14	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	53.95	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.38	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	56.64	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.72	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	84.41	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	93.46	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	97.92	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	103.97	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	107.85	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.69	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	116.02	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1144		1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	36.72	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-3.87*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.47	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	46.16	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.05	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-3.94*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	54.42	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.41	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	62.45	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.02*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.76	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	77.18	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	87.46	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.10*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	101.79	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	113.60	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	115.30	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.18*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	119.41	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	121.04	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	140.66	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	159.60	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.25*	
05 05 23 00-1162		Screws *(05 05 23)*		
05 05 23 00-1163		Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*		
		Note: Includes Climaseal® finish, self-drill point and tapping threads.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.84	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.89*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.04	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.90*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.61	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.97*	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.68	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.24*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	8.21	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.31*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.08	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.72*	
		For >100, Deduct	*-1.45*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	11.25	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.55*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.81	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.36	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.84	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.00	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.31	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.81*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.71	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.19	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.33	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.81*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.63	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.69	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.90	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.54	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.00	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	5.14	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.76	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.83*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.73	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.88*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.18	0.60
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.80	0.66
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.25	0.76
		For Left Hand Threaded Rod, Add	*0.17*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.26	0.78
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.37	0.81
		For Left Hand Threaded Rod, Add	*0.28*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.33	0.82
		For Left Hand Threaded Rod, Add	*0.37*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.96	0.83
		For Left Hand Threaded Rod, Add	*0.43*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.52	0.85
		For Left Hand Threaded Rod, Add	*0.78*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.35	0.88
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.04	1.00
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.41	1.11
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	23.00	1.20
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.49	1.30
		For Left Hand Threaded Rod, Add	*2.59*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.97	1.36
		For Left Hand Threaded Rod, Add	*3.12*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.53	1.43
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	52.89	1.51
		For Left Hand Threaded Rod, Add	*4.99*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.19	0.60
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.13	0.66
		For Left Hand Threaded Rod, Add	*0.18*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.50	0.76
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.87	0.78
		For Left Hand Threaded Rod, Add	*0.33*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.23	0.81
		For Left Hand Threaded Rod, Add	*0.36*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.73	0.82
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.13	0.83
		For Left Hand Threaded Rod, Add	*0.55*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.52	0.85
		For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.51	0.88
		For Left Hand Threaded Rod, Add	*1.17*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.04	1.00
		For Left Hand Threaded Rod, Add	*1.60*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.19	1.11
		For Left Hand Threaded Rod, Add	*2.10*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	27.64	1.20
		For Left Hand Threaded Rod, Add	*2.51*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.37	1.30
		For Left Hand Threaded Rod, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.35	1.36
		For Left Hand Threaded Rod, Add	*3.66*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	48.62	1.43
		For Left Hand Threaded Rod, Add	*4.58*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	70.65	1.51
		For Left Hand Threaded Rod, Add	*6.77*	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.51	0.76
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.58	0.81
		For Left Hand Threaded Rod, Add	*0.60*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.10	0.83
		For Left Hand Threaded Rod, Add	*0.84*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.73	0.85
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	18.85	0.88
		For Left Hand Threaded Rod, Add	*1.71*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	24.24	1.00
		For Left Hand Threaded Rod, Add	*2.22*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	31.79	1.11
		For Left Hand Threaded Rod, Add	*2.96*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	41.71	1.20
		For Left Hand Threaded Rod, Add	*3.92*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	46.57	1.30
		For Left Hand Threaded Rod, Add	*4.40*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	55.33	1.36
		For Left Hand Threaded Rod, Add	*5.26*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	67.11	1.43
		For Left Hand Threaded Rod, Add	*6.43*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	116.64	1.51
		For Left Hand Threaded Rod, Add	*11.36*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.12	0.60
		For Left Hand Threaded Rod, Add	*0.29*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.31	0.66
		For Left Hand Threaded Rod, Add	*0.50*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.16	0.76
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.45	0.78
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.79	0.81
		For Left Hand Threaded Rod, Add	*1.22*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.98	0.82
		For Left Hand Threaded Rod, Add	*1.84*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.87	0.83
		For Left Hand Threaded Rod, Add	*1.92*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.36	0.85
		For Left Hand Threaded Rod, Add	*2.77*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.52	0.88
		For Left Hand Threaded Rod, Add	*3.88*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.03	1.00
		For Left Hand Threaded Rod, Add	*5.00*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	110.52	1.20
		For Left Hand Threaded Rod, Add	*10.80*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	168.52	1.36
		For Left Hand Threaded Rod, Add	*16.58*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	173.33	1.43
		For Left Hand Threaded Rod, Add	*17.05*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	240.05	1.51
		For Left Hand Threaded Rod, Add	*23.71*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	6.08	0.60
		For Left Hand Threaded Rod, Add	*0.49*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	9.94	0.66
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	13.26	0.76
		For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	20.86	0.78
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	22.14	0.81
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	29.15	0.82
		For Left Hand Threaded Rod, Add	*2.75*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	31.39	0.83
		For Left Hand Threaded Rod, Add	*2.97*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	45.92	0.85
		For Left Hand Threaded Rod, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	63.00	0.88
		For Left Hand Threaded Rod, Add	*6.12*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	79.77	1.00
		For Left Hand Threaded Rod, Add	*7.78*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	168.79	1.20
		For Left Hand Threaded Rod, Add	*16.63*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	221.36	1.36
		For Left Hand Threaded Rod, Add	*21.86*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.56	0.60
		For Zinc Plating, Add	*1.18*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.37	0.66
		For Zinc Plating, Add	*2.03*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.65	0.76
		For Zinc Plating, Add	*2.07*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.14	0.78
		For Zinc Plating, Add	*2.30*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.74	0.81
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.34	0.82
		For Zinc Plating, Add	*3.36*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.60	0.83
		For Zinc Plating, Add	*3.47*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.30	0.85
		For Zinc Plating, Add	*4.80*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.48	0.88
		For Zinc Plating, Add	*5.86*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	17.42	1.00
		For Zinc Plating, Add	*7.71*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	22.57	1.11
		For Zinc Plating, Add	*10.18*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.14	1.20
		For Zinc Plating, Add	*11.32*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	28.95	1.30
		For Zinc Plating, Add	*13.17*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.10	1.36
		For Zinc Plating, Add	*16.19*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	36.29	1.43
		For Zinc Plating, Add	*16.72*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	48.52	1.51
		For Zinc Plating, Add	*22.76*	

05 05 23 00-1283 Nuts And Washers *(05 05 23)*

05 05 23 00-1284 Hex Nuts *(05 05 23 00-1283)*

05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.36
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.89	0.36
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.96	0.36
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.11	0.36
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.20	0.36
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.36
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.62	0.36
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.92	0.72
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.78	0.72
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.53	0.72
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.76	0.72
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	7.04	0.72
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.33	0.72
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.96	1.08
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	17.54	1.08
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	25.33	1.08

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.36
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.90	0.36
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.99	0.36
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.15	0.36
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.34	0.36
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.61	0.36
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.65	0.36
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.17	0.72
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.03	0.72
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.27	0.72
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.50	0.72
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	9.17	0.72
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.45	0.72
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	14.85	1.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	26.76	1.08
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	38.36	1.08
05 05 23 00-1319		**Zinc Plated Steel, Grade 8 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.84	0.36
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.97	0.36
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.05	0.36
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.31	0.36
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.56	0.36
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.86	0.36
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.11	0.36
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.62	0.72
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.89	0.72
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.18	0.72
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.10	0.72
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	10.10	0.72
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.60	0.72
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	17.62	1.08
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	26.84	1.08
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	37.93	1.08
05 05 23 00-1336		**Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.36
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.94	0.36
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.02	0.36
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.28	0.36
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.47	0.36
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.63	0.36
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.79	0.36
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.39	0.72
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.44	0.72
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.74	0.72
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.84	0.72
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	10.04	0.72
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.88	0.72
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	17.35	1.08
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	30.22	1.08
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	52.25	1.08
05 05 23 00-1353		**304 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.96	0.36
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	1.13	0.36
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.28	0.36
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.92	0.36
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	2.08	0.36
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	3.18	0.36
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	3.55	0.36
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	4.09	0.72
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	6.73	0.72
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	10.32	0.72
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	24.89	0.72
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	47.91	1.08
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	84.33	1.08
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	120.24	1.08
05 05 23 00-1368		**316 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	1.12	0.36
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.28	0.36
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.53	0.36
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.54	0.36
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.72	0.36
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.72	0.36
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	4.20	0.36
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	5.89	0.72
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	8.19	0.72
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	12.66	0.72
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	38.66	0.72
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	62.58	1.08
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	105.71	1.08
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	196.62	1.08
05 05 23 00-1383		**Flat Washers** *(05 05 23 00-1283)*		
05 05 23 00-1384		**Zinc Plated Steel, Low Carbon Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.09	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.16	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.25	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.35	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.40	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.98	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.17	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.43	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.93	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.03	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.11	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.60	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	5.72	
05 05 23 00-1401		**Zinc Plated Steel, Hardened Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.33	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.45	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.61	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.98	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.40	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.98	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.30	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.33	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.81	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.67	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.77	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.79	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	14.14	
05 05 23 00-1418		**Hot Dipped Galvanized Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.14	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.22	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.53	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.86	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.96	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.46	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.06	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.26	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.46	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.85	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.50	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.96	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	8.64	
05 05 23 00-1434		**304/18-8 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.18	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.24	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.34	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.64	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.16	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.45	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.12	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.16	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.56	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.77	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.72	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.24	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.65	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.33	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.59	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	22.77	
05 05 23 00-1451		**316 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.35	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.39	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.69	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.81	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.50	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.19	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.02	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.22	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	6.95	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.92	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.75	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	10.31	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	10.54	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	15.45	
05 05 23 00-1467		Lock Washers *(05 05 23 00-1283)*		
05 05 23 00-1468		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.14	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.23	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.39	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.65	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.17	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.71	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.62	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.15	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.89	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.72	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.82	
05 05 23 00-1485		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.17	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.29	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.38	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.45	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.75	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.08	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.71	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.10	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.69	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.33	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.10	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.25	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	11.24	
05 05 23 00-1502		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.61	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.49	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.76	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.05	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.71	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.23	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.13	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.15	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	15.45	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	18.54	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.40	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.47	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.80	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.89	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.59	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.74	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.01	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.98	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	6.78	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	9.46	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	14.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	26.07	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	28.95	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.84	
05 05 23 00-1536	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.22	
05 05 23 00-1537	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.47	
05 05 23 00-1538	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.94	
05 05 23 00-1539	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1540	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.92	
05 05 23 00-1541	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.23	
05 05 23 00-1542	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.06	
05 05 23 00-1543	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	14.36	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.60	
05 05 23 00-1546	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.01	
05 05 23 00-1547	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.90	
05 05 23 00-1548	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1549	EA	1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	5.64	
05 05 23 00-1550	EA	1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.50	
05 05 23 00-1551	EA	1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.70	
05 05 23 00-1552	EA	1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	15.23	
05 05 23 00-1553	EA	1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	16.75	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.70	
05 05 23 00-1557	EA	5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.79	
05 05 23 00-1558	EA	3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1559	EA	7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.96	
05 05 23 00-1560	EA	1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	6.27	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.76	
05 05 23 00-1563	EA	5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1564	EA	3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1565	EA	7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.46	
05 05 23 00-1566	EA	1", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.94	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	24.73	
		For Aluminum, Deduct	*-2.47*	
		For Stainless Steel, Add	*3.09*	
		For >5 To 10, Deduct	*-2.47*	
		For >10 To 25, Deduct	*-6.18*	
		For >25 To 50, Deduct	*-8.66*	
		For >50, Deduct	*-12.37*	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	29.09	
		For Aluminum, Deduct	*-2.91*	
		For Stainless Steel, Add	*3.64*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-7.27*	
		For >25 To 50, Deduct	*-10.18*	
		For >50, Deduct	*-14.55*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	34.91	
		For Aluminum, Deduct	*-3.49*	
		For Stainless Steel, Add	*4.36*	
		For >5 To 10, Deduct	*-3.49*	
		For >10 To 25, Deduct	*-8.73*	
		For >25 To 50, Deduct	*-12.22*	
		For >50, Deduct	*-17.46*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	40.73	
		For Aluminum, Deduct	*-4.07*	
		For Stainless Steel, Add	*5.09*	
		For >5 To 10, Deduct	*-4.07*	
		For >10 To 25, Deduct	*-10.18*	
		For >25 To 50, Deduct	*-14.26*	
		For >50, Deduct	*-20.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	54.54	
		For Aluminum, Deduct	*-5.45*	
		For Stainless Steel, Add	*6.82*	
		For >5 To 10, Deduct	*-5.45*	
		For >10 To 25, Deduct	*-13.64*	
		For >25 To 50, Deduct	*-19.09*	
		For >50, Deduct	*-27.27*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	29.09	
		For Aluminum, Deduct	*-2.91*	
		For Stainless Steel, Add	*3.64*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-7.27*	
		For >25 To 50, Deduct	*-10.18*	
		For >50, Deduct	*-14.55*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	36.36	
		For Aluminum, Deduct	*-3.64*	
		For Stainless Steel, Add	*4.55*	
		For >5 To 10, Deduct	*-3.64*	
		For >10 To 25, Deduct	*-9.09*	
		For >25 To 50, Deduct	*-12.73*	
		For >50, Deduct	*-18.18*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	43.64	
		For Aluminum, Deduct	*-4.36*	
		For Stainless Steel, Add	*5.46*	
		For >5 To 10, Deduct	*-4.36*	
		For >10 To 25, Deduct	*-10.91*	
		For >25 To 50, Deduct	*-15.27*	
		For >50, Deduct	*-21.82*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	54.54	
		For Aluminum, Deduct	*-5.45*	
		For Stainless Steel, Add	*6.82*	
		For >5 To 10, Deduct	*-5.45*	
		For >10 To 25, Deduct	*-13.64*	
		For >25 To 50, Deduct	*-19.09*	
		For >50, Deduct	*-27.27*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	36.36	
		For Aluminum, Deduct	*-3.64*	
		For Stainless Steel, Add	*4.55*	
		For >5 To 10, Deduct	*-3.64*	
		For >10 To 25, Deduct	*-9.09*	
		For >25 To 50, Deduct	*-12.73*	
		For >50, Deduct	*-18.18*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	47.99	
		For Aluminum, Deduct	*-4.80*	
		For Stainless Steel, Add	*6.00*	
		For >5 To 10, Deduct	*-4.80*	
		For >10 To 25, Deduct	*-12.00*	
		For >25 To 50, Deduct	*-16.80*	
		For >50, Deduct	*-24.00*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	58.18	
		For >5 To 10, Deduct	*-5.82*	
		For >10 To 25, Deduct	*-14.55*	
		For >25 To 50, Deduct	*-20.36*	
		For >50, Deduct	*-29.09*	

05 05 23 00-1580 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-1581	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	7.52	

05 05 23 00-1582 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.70	
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.80	
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.84	
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.88	
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.63	
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.88	
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.12	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.25	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.38	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.89	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.31	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.64	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.68	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.71	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.10	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.46	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.90	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.60	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.04	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	9.26	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	11.57	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.06	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.12	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.59	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.98	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.34	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.81	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	12.78	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	15.50	

05 05 23 00-1613 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.33	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.75	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.86	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.91	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	11.38	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	12.24	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	20.60	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.24	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.77	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.34	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	19.81	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	21.48	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.47	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.41	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	13.08	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.74	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	15.66	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	20.37	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	22.39	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	24.39	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	30.00	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	16.77	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	18.82	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	21.85	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	27.94	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	31.11	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	34.27	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns	11,482.94	1,451.73
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns	7,960.40	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*556.74*	
		For Hot Dip Galvanizing, Add	*1,948.60*	
		For >10 To 25 Tons, Deduct	*-591.54*	
		For >25 To 50 Tons, Deduct	*-1,217.88*	
		For >50 To 75 Tons, Deduct	*-1,739.82*	
		For >75 Tons, Deduct	*-869.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns	6,741.47	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*494.27*	
		For Hot Dip Galvanizing, Add	*1,729.94*	
		For >10 To 25 Tons, Deduct	*-525.16*	
		For >25 To 50 Tons, Deduct	*-1,081.21*	
		For >50 To 75 Tons, Deduct	*-1,544.59*	
		For >75 Tons, Deduct	*-772.29*	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns	4,523.95	281.00
		For ASTM A242 Type 2 High Strength Steel, Add	*337.89*	
		For Hot Dip Galvanizing, Add	*1,182.61*	
		For >10 To 25 Tons, Deduct	*-359.01*	
		For >25 To 50 Tons, Deduct	*-739.13*	
		For >50 To 75 Tons, Deduct	*-1,055.91*	
		For >75 Tons, Deduct	*-527.95*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	8,446.23	987.30
		For ASTM A242 Type 2 High Strength Steel, Add	*591.49*	
		For Hot Dip Galvanizing, Add	*2,070.22*	
		For >10 To 25 Tons, Deduct	*-628.46*	
		For >25 To 50 Tons, Deduct	*-1,293.89*	
		For >50 To 75 Tons, Deduct	*-1,848.42*	
		For >75 Tons, Deduct	*-924.21*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles	16,743.70	2,698.77
		For ASTM A242 Type 2 High Strength Steel, Add	*979.66*	
		For Hot Dip Galvanizing, Add	*3,428.81*	
		For >10 To 25 Tons, Deduct	*-1,040.89*	
		For >25 To 50 Tons, Deduct	*-2,143.00*	
		For >50 To 75 Tons, Deduct	*-3,061.44*	
		For >75 Tons, Deduct	*-1,530.72*	
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles	14,717.65	1,583.79
		For ASTM A242 Type 2 High Strength Steel, Add	*937.15*	
		For Hot Dip Galvanizing, Add	*3,280.01*	
		For >10 To 25 Tons, Deduct	*-995.72*	
		For >25 To 50 Tons, Deduct	*-2,050.01*	
		For >50 To 75 Tons, Deduct	*-2,928.58*	
		For >75 Tons, Deduct	*-1,464.29*	
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles	11,305.86	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*824.39*	
		For Hot Dip Galvanizing, Add	*2,885.37*	
		For >10 To 25 Tons, Deduct	*-875.92*	
		For >25 To 50 Tons, Deduct	*-1,803.36*	
		For >50 To 75 Tons, Deduct	*-2,576.23*	
		For >75 Tons, Deduct	*-1,288.11*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels	18,249.08	3,695.51
		For ASTM A242 Type 2 High Strength Steel, Add	*964.87*	
		For Hot Dip Galvanizing, Add	*3,377.05*	
		For >10 To 25 Tons, Deduct	*-1,025.18*	
		For >25 To 50 Tons, Deduct	*-2,110.66*	
		For >50 To 75 Tons, Deduct	*-3,015.23*	
		For >75 Tons, Deduct	*-1,507.61*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	14,555.92	2,815.62
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0017	TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels	11,121.02	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*809.61*	
		For Hot Dip Galvanizing, Add	*2,833.62*	
		For >10 To 25 Tons, Deduct	*-860.21*	
		For >25 To 50 Tons, Deduct	*-1,771.01*	
		For >50 To 75 Tons, Deduct	*-2,530.02*	
		For >75 Tons, Deduct	*-1,265.01*	

05 12 23 00-0018 Double L Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	15,531.94	2,141.28
		For ASTM A242 Type 2 High Strength Steel, Add	*942.69*	
		For Hot Dip Galvanizing, Add	*3,299.42*	
		For >10 To 25 Tons, Deduct	*-1,001.61*	
		For >25 To 50 Tons, Deduct	*-2,062.14*	
		For >50 To 75 Tons, Deduct	*-2,945.91*	
		For >75 Tons, Deduct	*-1,472.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	12,091.43	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	9,112.05	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,845.11	281.42
		For ASTM A242 Type 2 High Strength Steel, Add	*443.62*	
		For Hot Dip Galvanizing, Add	*1,552.67*	
		For >10 To 25 Tons, Deduct	*-471.35*	
		For >25 To 50 Tons, Deduct	*-970.42*	
		For >50 To 75 Tons, Deduct	*-1,386.31*	
		For >75 Tons, Deduct	*-693.16*	

05 12 23 00-0023 Structural WT, MT, ST Tee Shapes *(05 12 23 00-0001)*

05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	14,093.81	1,583.79
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	9,480.71	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,494.68	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*554.52*	
		For Hot Dip Galvanizing, Add	*1,940.83*	
		For >10 To 25 Tons, Deduct	*-589.18*	
		For >25 To 50 Tons, Deduct	*-1,213.02*	
		For >50 To 75 Tons, Deduct	*-1,732.89*	
		For >75 Tons, Deduct	*-866.44*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,522.10	281.00
		For ASTM A242 Type 2 High Strength Steel, Add	*417.74*	
		For Hot Dip Galvanizing, Add	*1,462.10*	
		For >10 To 25 Tons, Deduct	*-443.85*	
		For >25 To 50 Tons, Deduct	*-913.81*	
		For >50 To 75 Tons, Deduct	*-1,305.44*	
		For >75 Tons, Deduct	*-652.72*	

05 12 23 00-0028 Combination Section Shapes *(05 12 23 00-0001)*

05 12 23 00-0029 Combination Section, W Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	13,377.55	1,583.79
		For ASTM A242 Type 2 High Strength Steel, Add	*829.94*	
		For Hot Dip Galvanizing, Add	*2,904.78*	
		For >10 To 25 Tons, Deduct	*-881.81*	
		For >25 To 50 Tons, Deduct	*-1,815.49*	
		For >50 To 75 Tons, Deduct	*-2,593.56*	
		For >75 Tons, Deduct	*-1,296.78*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	9,550.04	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,917.05	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*508.31*	
		For Hot Dip Galvanizing, Add	*1,779.10*	
		For >10 To 25 Tons, Deduct	*-540.08*	
		For >25 To 50 Tons, Deduct	*-1,111.94*	
		For >50 To 75 Tons, Deduct	*-1,588.48*	
		For >75 Tons, Deduct	*-794.24*	
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,983.75	281.00
		For ASTM A242 Type 2 High Strength Steel, Add	*454.71*	
		For Hot Dip Galvanizing, Add	*1,591.49*	
		For >10 To 25 Tons, Deduct	*-483.13*	
		For >25 To 50 Tons, Deduct	*-994.68*	
		For >50 To 75 Tons, Deduct	*-1,420.97*	
		For >75 Tons, Deduct	*-710.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	5,164.00	141.06
		For ASTM A242 Type 2 High Strength Steel, Add	*401.11*	
		For Hot Dip Galvanizing, Add	*1,403.88*	
		For >10 To 25 Tons, Deduct	*-426.18*	
		For >25 To 50 Tons, Deduct	*-877.42*	
		For >50 To 75 Tons, Deduct	*-1,253.46*	
		For >75 Tons, Deduct	*-626.73*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	9,180.34	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*654.34*	
		For Hot Dip Galvanizing, Add	*2,290.18*	
		For >10 To 25 Tons, Deduct	*-695.23*	
		For >25 To 50 Tons, Deduct	*-1,431.37*	
		For >50 To 75 Tons, Deduct	*-2,044.81*	
		For >75 Tons, Deduct	*-1,022.40*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,940.16	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*510.16*	
		For Hot Dip Galvanizing, Add	*1,785.57*	
		For >10 To 25 Tons, Deduct	*-542.05*	
		For >25 To 50 Tons, Deduct	*-1,115.98*	
		For >50 To 75 Tons, Deduct	*-1,594.26*	
		For >75 Tons, Deduct	*-797.13*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	14,093.81	1,583.79
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	10,012.13	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	7,101.89	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*523.10*	
		For Hot Dip Galvanizing, Add	*1,830.85*	
		For >10 To 25 Tons, Deduct	*-555.79*	
		For >25 To 50 Tons, Deduct	*-1,144.28*	
		For >50 To 75 Tons, Deduct	*-1,634.69*	
		For >75 Tons, Deduct	*-817.35*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	8,109.81	844.68
		For ASTM A242 Type 2 High Strength Steel, Add	*576.71*	
		For Hot Dip Galvanizing, Add	*2,018.47*	
		For >10 To 25 Tons, Deduct	*-612.75*	
		For >25 To 50 Tons, Deduct	*-1,261.54*	
		For >50 To 75 Tons, Deduct	*-1,802.21*	
		For >75 Tons, Deduct	*-901.10*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,658.54	1,055.85
		For ASTM A242 Type 2 High Strength Steel, Add	*602.58*	
		For Hot Dip Galvanizing, Add	*2,109.04*	
		For >10 To 25 Tons, Deduct	*-640.24*	
		For >25 To 50 Tons, Deduct	*-1,318.15*	
		For >50 To 75 Tons, Deduct	*-1,883.07*	
		For >75 Tons, Deduct	*-941.54*	

05 12 23 00-0045 Temporary Steel Support For Structures *(05 12 23 00-0001)*

Note: Includes removal after use.

05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	11,482.94
		Note: For all stock sections.	
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures	7,960.40
		Note: For all stock sections.	

05 12 23 00-0048 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0049 Steel Rods *(05 12 23 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	8,744.51	659.99
		For ASTM A242 Type 2 High Strength Steel, Add	*643.25*	
		For Hot Dip Galvanizing, Add	*2,251.37*	
		For >10 To 25 Tons, Deduct	*-683.45*	
		For >25 To 50 Tons, Deduct	*-1,407.11*	
		For >50 To 75 Tons, Deduct	*-2,010.15*	
		For >75 Tons, Deduct	*-1,005.08*	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	10,012.13	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	
05 12 23 00-0052		**Column Base Plates** *(05 12 23 00-0048)*		
05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	4.36	0.84
		For ASTM A242 Type 2 High Strength Steel, Add	*0.28*	
		For Hot Dip Galvanizing, Add	*0.97*	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	4.09	0.72
		For ASTM A242 Type 2 High Strength Steel, Add	*0.26*	
		For Hot Dip Galvanizing, Add	*0.92*	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,948.40	751.04
		For ASTM A242 Type 2 High Strength Steel, Add	*571.78*	
		For Hot Dip Galvanizing, Add	*2,001.24*	
		For >10 To 25 Tons, Deduct	*-607.52*	
		For >25 To 50 Tons, Deduct	*-1,250.78*	
		For >50 To 75 Tons, Deduct	*-1,786.83*	
		For >75 Tons, Deduct	*-893.41*	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,650.21	450.62
		For ASTM A242 Type 2 High Strength Steel, Add	*413.56*	
		For Hot Dip Galvanizing, Add	*1,447.47*	
		For >10 To 25 Tons, Deduct	*-439.41*	
		For >25 To 50 Tons, Deduct	*-904.67*	
		For >50 To 75 Tons, Deduct	*-1,292.39*	
		For >75 Tons, Deduct	*-646.19*	
05 12 23 00-0057		**Double Extra Strong Pipes** *(05 12 23 00-0048)*		
05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	10,483.00	1,206.64
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	9,888.94	649.71
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	
05 12 23 00-0060		**Structural Pipes** *(05 12 23 00-0048)*		
05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,327.21	557.50
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,887.90	642.95
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	
05 12 23 00-0063		**Structural Tubing** *(05 12 23 00-0048)*		
05 12 23 00-0064		**Rectangle Structural Tubing** *(05 12 23 00-0063)*		
05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	12,153.26	563.13
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	12,245.67	649.71
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,686.06	703.91
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	10,143.06	844.68
		For ASTM A242 Type 2 High Strength Steel, Add	*739.37*	
		For Hot Dip Galvanizing, Add	*2,587.78*	
		For >10 To 25 Tons, Deduct	*-785.58*	
		For >25 To 50 Tons, Deduct	*-1,617.36*	
		For >50 To 75 Tons, Deduct	*-2,310.52*	
		For >75 Tons, Deduct	*-1,155.26*	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,973.01	938.45
		For ASTM A242 Type 2 High Strength Steel, Add	*717.75*	
		For Hot Dip Galvanizing, Add	*2,512.13*	
		For >10 To 25 Tons, Deduct	*-762.61*	
		For >25 To 50 Tons, Deduct	*-1,570.08*	
		For >50 To 75 Tons, Deduct	*-2,242.98*	
		For >75 Tons, Deduct	*-1,121.49*	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	10,145.71	1,298.70
		For ASTM A242 Type 2 High Strength Steel, Add	*700.83*	
		For Hot Dip Galvanizing, Add	*2,452.91*	
		For >10 To 25 Tons, Deduct	*-744.63*	
		For >25 To 50 Tons, Deduct	*-1,533.07*	
		For >50 To 75 Tons, Deduct	*-2,190.10*	
		For >75 Tons, Deduct	*-1,095.05*	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	10,565.06	1,716.82
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,826.62	1,875.35
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	11,078.68	2,111.72
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	11,737.08	2,815.62
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	13,234.84	4,436.44
		For ASTM A242 Type 2 High Strength Steel, Add	*680.22*	
		For Hot Dip Galvanizing, Add	*2,380.76*	
		For >10 To 25 Tons, Deduct	*-722.73*	
		For >25 To 50 Tons, Deduct	*-1,487.97*	
		For >50 To 75 Tons, Deduct	*-2,125.68*	
		For >75 Tons, Deduct	*-1,062.84*	
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	15,028.35	6,477.76
		For ASTM A242 Type 2 High Strength Steel, Add	*649.51*	
		For Hot Dip Galvanizing, Add	*2,273.28*	
		For >10 To 25 Tons, Deduct	*-690.10*	
		For >25 To 50 Tons, Deduct	*-1,420.80*	
		For >50 To 75 Tons, Deduct	*-2,029.71*	
		For >75 Tons, Deduct	*-1,014.86*	
05 12 23 00-0077		Square Structural Tubing *(05 12 23 00-0063)*		
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	12,115.72	527.93
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	12,153.26	563.13
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	10,917.11	703.91
		For ASTM A242 Type 2 High Strength Steel, Add	*813.30*	
		For Hot Dip Galvanizing, Add	*2,846.56*	
		For >10 To 25 Tons, Deduct	*-864.13*	
		For >25 To 50 Tons, Deduct	*-1,779.10*	
		For >50 To 75 Tons, Deduct	*-2,541.57*	
		For >75 Tons, Deduct	*-1,270.79*	
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	10,836.22	844.68
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	8,704.75	1,055.85
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,865.64	1,206.64
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	9,380.50	1,689.38
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	9,969.63	2,111.72
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	11,968.14	2,815.62
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	13,469.80	4,223.44
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	13,004.68	4,957.05
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	15,689.47	6,477.76
		For ASTM A242 Type 2 High Strength Steel, Add	*702.40*	
		For Hot Dip Galvanizing, Add	*2,458.39*	
		For >10 To 25 Tons, Deduct	*-746.30*	
		For >25 To 50 Tons, Deduct	*-1,536.49*	
		For >50 To 75 Tons, Deduct	*-2,194.99*	
		For >75 Tons, Deduct	*-1,097.50*	
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	17,974.80	8,446.87
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0091		**Galvanized Steel Pipe Tubing** *(05 12 23 00-0063)*		
		Note: ASTM A53 Grade B		
05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	45.78	6.14
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	50.42	7.31
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	56.38	9.70
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	60.91	10.81
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	63.82	11.69
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	71.96	14.61
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	80.13	17.54
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	88.30	21.04
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	99.96	25.72
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	118.64	32.74
05 12 23 00-0102		**Structural Shapes** *(05 12 23 00-0048)*		
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	9,243.23	3,004.12
		For ASTM A242 Type 2 High Strength Steel, Add	*357.98*	
		For Hot Dip Galvanizing, Add	*1,252.94*	
		For >20 To 50 Lb./LF, Deduct	*-1,162.75*	
		For >50 To 75 Lb./LF, Deduct	*-1,863.33*	
		For >75 To 100 Lb./LF, Deduct	*-2,563.91*	
		For >10 To 25 Tons, Deduct	*-380.36*	
		For >25 To 50 Tons, Deduct	*-783.09*	
		For >50 To 75 Tons, Deduct	*-1,118.70*	
		For >75 Tons, Deduct	*-559.35*	
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel	8,991.76	1,201.65
		Note: Up to 21.5 Lb. per SF		
		For ASTM A242 Type 2 High Strength Steel, Add	*591.51*	
		For Hot Dip Galvanizing, Add	*2,070.27*	
		For >21.5 To 50 Lb./LF, Deduct	*-979.07*	
		For >10 To 25 Tons, Deduct	*-628.47*	
		For >25 To 50 Tons, Deduct	*-1,293.92*	
		For >50 To 75 Tons, Deduct	*-1,848.46*	
		For >75 Tons, Deduct	*-924.23*	
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	5.24	0.27
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports	6.39	0.27
05 12 23 00-0107		**Built-Up Trusses** *(05 12 23 00-0048)*		
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,854.31	422.34
		For >10 To 25 Tons, Deduct	*-799.32*	
		For >25 To 50 Tons, Deduct	*-1,645.67*	
		For >50 To 75 Tons, Deduct	*-2,350.95*	
		For >75 Tons, Deduct	*-1,175.48*	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	9,746.51	234.54
		For >10 To 25 Tons, Deduct	*-807.18*	
		For >25 To 50 Tons, Deduct	*-1,661.84*	
		For >50 To 75 Tons, Deduct	*-2,374.06*	
		For >75 Tons, Deduct	*-1,187.03*	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	8,681.42	124.17
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	8,443.00	117.41
		For >10 To 25 Tons, Deduct	*-707.02*	
		For >25 To 50 Tons, Deduct	*-1,455.63*	
		For >50 To 75 Tons, Deduct	*-2,079.47*	
		For >75 Tons, Deduct	*-1,039.73*	
05 12 23 00-0112		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0048)*		
		Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	32.65	8.66
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	48.97	12.94
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	65.29	17.25
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	81.61	21.57
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	97.93	25.75
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	114.26	30.18
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	130.57	34.50
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	146.89	38.81
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	163.23	43.12
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	179.54	47.44
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	195.87	51.75
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	212.18	56.06
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	228.51	60.38
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	244.83	64.69
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	261.15	69.00
05 12 23 00-0128		**Accessories For Steel** *(05 12 23)*		
05 12 23 00-0129		**Field Painting For Touch-Up Of Shop Prime Coat** *(05 12 23 00-0128)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.53	

05 12 23 00-0131 Connection And Stiffener Plates *(05 12 23 00-0128)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	21,345.21	
		For >10 To 25 Tons, Deduct	*-1,814.34*	
		For >25 To 50 Tons, Deduct	*-3,735.41*	
		For >50 To 75 Tons, Deduct	*-5,336.30*	
		For >75 Tons, Deduct	*-2,668.15*	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	18,211.64	
		For >10 To 25 Tons, Deduct	*-1,547.99*	
		For >25 To 50 Tons, Deduct	*-3,187.04*	
		For >50 To 75 Tons, Deduct	*-4,552.91*	
		For >75 Tons, Deduct	*-2,276.46*	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	

05 12 23 00-0143 Field Applied Cold Galvanizing *(05 12 23 00-0128)*

05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	2.24	

05 12 23 00-0145 Metal Grinding *(05 12 23 00-0128)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	1.28	

05 12 23 00-0147 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0147)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,771.12	83.33
		For Hot Dip Galvanizing, Add	*466.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*159.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*354.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,615.29	77.66
		For Hot Dip Galvanizing, Add	*425.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*145.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*323.06*	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,471.30	72.30
		For Hot Dip Galvanizing, Add	*386.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*132.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*294.26*	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,339.17	67.24
		For Hot Dip Galvanizing, Add	*351.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*120.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*267.83*	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,230.38	73.20
		For Hot Dip Galvanizing, Add	*319.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*110.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*246.08*	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	1,049.83	63.92
		For Hot Dip Galvanizing, Add	*272.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*94.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*209.97*	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	849.05	55.33
		For Hot Dip Galvanizing, Add	*219.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*76.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*169.81*	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	764.78	51.66
		For Hot Dip Galvanizing, Add	*196.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*68.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*152.96*	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	694.24	48.71
		For Hot Dip Galvanizing, Add	*178.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*62.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*138.85*	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	610.34	46.18
		For Hot Dip Galvanizing, Add	*155.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*54.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*122.07*	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	561.70	42.94
		For Hot Dip Galvanizing, Add	*143.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*50.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*112.34*	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	499.67	39.98
		For Hot Dip Galvanizing, Add	*126.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*99.93*	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	452.00	38.01
		For Hot Dip Galvanizing, Add	*114.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*90.40*	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	407.47	36.33
		For Hot Dip Galvanizing, Add	*102.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*81.49*	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	368.50	35.05
		For Hot Dip Galvanizing, Add	*91.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.70*	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	356.12	33.93
		For Hot Dip Galvanizing, Add	*88.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.22*	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	304.67	32.38
		For Hot Dip Galvanizing, Add	*74.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.93*	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	285.71	31.53
		For Hot Dip Galvanizing, Add	*69.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.14*	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	255.89	30.27
		For Hot Dip Galvanizing, Add	*62.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.18*	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	233.56	29.42
		For Hot Dip Galvanizing, Add	*56.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.71*	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	217.02	28.72
		For Hot Dip Galvanizing, Add	*51.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.40*	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	199.96	27.87
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	180.63	27.17
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.13*	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	168.77	26.75
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.75*	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	153.96	26.04
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.79*	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	140.28	25.34
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.06*	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	131.48	24.92
		For Hot Dip Galvanizing, Add	*29.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.30*	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	118.71	24.50
		For Hot Dip Galvanizing, Add	*25.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.74*	
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	807.65	37.10
		For Hot Dip Galvanizing, Add	*213.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*72.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*161.53*	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	736.00	36.37
		For Hot Dip Galvanizing, Add	*193.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*66.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*147.20*	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	676.08	35.93
		For Hot Dip Galvanizing, Add	*176.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*60.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*135.22*	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	613.40	35.04
		For Hot Dip Galvanizing, Add	*159.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*122.68*	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	562.58	34.53
		For Hot Dip Galvanizing, Add	*145.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*50.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*112.52*	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	516.34	34.04
		For Hot Dip Galvanizing, Add	*133.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.27*	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	475.86	38.85
		For Hot Dip Galvanizing, Add	*120.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.17*	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	430.11	37.73
		For Hot Dip Galvanizing, Add	*108.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*86.02*	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	387.75	35.05
		For Hot Dip Galvanizing, Add	*97.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.55*	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	368.66	34.07
		For Hot Dip Galvanizing, Add	*92.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.73*	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	279.28	31.26
		For Hot Dip Galvanizing, Add	*68.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*55.86*	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	257.42	30.27
		For Hot Dip Galvanizing, Add	*62.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.48*	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	230.36	29.28
		For Hot Dip Galvanizing, Add	*55.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.07*	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	212.55	28.30
		For Hot Dip Galvanizing, Add	*50.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.51*	
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	186.58	27.46
		For Hot Dip Galvanizing, Add	*43.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	170.82	26.75
		For Hot Dip Galvanizing, Add	*39.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.16*	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	156.19	26.18
		For Hot Dip Galvanizing, Add	*35.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.24*	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	151.14	25.90
		For Hot Dip Galvanizing, Add	*34.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.23*	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	140.28	25.34
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.06*	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	135.95	25.20
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.19*	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	123.57	24.63
		For Hot Dip Galvanizing, Add	*26.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.71*	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	110.80	24.07
		For Hot Dip Galvanizing, Add	*23.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.16*	
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	269.23	30.83
		For Hot Dip Galvanizing, Add	*65.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.85*	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	243.56	29.57
		For Hot Dip Galvanizing, Add	*58.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.71*	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	218.98	28.57
		For Hot Dip Galvanizing, Add	*52.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.80*	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	194.78	27.46
		For Hot Dip Galvanizing, Add	*45.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.96*	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	175.44	26.75
		For Hot Dip Galvanizing, Add	*40.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.09*	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	153.96	26.04
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.79*	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	152.92	25.63
		For Hot Dip Galvanizing, Add	*34.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.58*	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	134.28	25.20
		For Hot Dip Galvanizing, Add	*29.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.86*	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	129.61	24.78
		For Hot Dip Galvanizing, Add	*28.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.92*	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	112.84	24.35
		For Hot Dip Galvanizing, Add	*24.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.57*	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	98.42	23.65
		For Hot Dip Galvanizing, Add	*20.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.68*	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	168.96	26.75
		For Hot Dip Galvanizing, Add	*38.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.79*	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	151.71	25.90
		For Hot Dip Galvanizing, Add	*34.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.34*	
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	135.81	25.20
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	116.62	24.50
		For Hot Dip Galvanizing, Add	*25.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.32*	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	105.37	23.93
		For Hot Dip Galvanizing, Add	*22.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.07*	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	96.32	23.65
		For Hot Dip Galvanizing, Add	*19.74*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.26*	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	90.70	23.37
		For Hot Dip Galvanizing, Add	*18.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.14*	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	83.94	23.09
		For Hot Dip Galvanizing, Add	*16.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.79*	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	79.45	22.94
		For Hot Dip Galvanizing, Add	*15.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.89*	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	70.97	22.52
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.19*	
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	88.13	23.09
		For Hot Dip Galvanizing, Add	*17.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.63*	
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	74.56	22.67
		For Hot Dip Galvanizing, Add	*13.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.91*	
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	63.93	21.96
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.79*	
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	59.93	21.96
		For Hot Dip Galvanizing, Add	*10.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.99*	
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	54.83	21.82
		For Hot Dip Galvanizing, Add	*8.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.97*	
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	73.41	22.67
		For Hot Dip Galvanizing, Add	*13.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.68*	
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	67.60	22.52
		For Hot Dip Galvanizing, Add	*12.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.52*	
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	63.31	22.24
		For Hot Dip Galvanizing, Add	*11.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.66*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	638.69	91.26
		For Hot Dip Galvanizing, Add	*150.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*57.48*	
		For High Strength Low Alloy A588 Steel, Add	*127.74*	
		For Each Additional Top Copes >2, Add	*5.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-208.94*	
		For Skewed Or Sloped Connections, Add	*76.64*	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	617.88	105.59
		For Hot Dip Galvanizing, Add	*140.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.61*	
		For High Strength Low Alloy A588 Steel, Add	*123.58*	
		For Each Additional Top Copes >2, Add	*5.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-199.37*	
		For Skewed Or Sloped Connections, Add	*74.15*	
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	585.06	104.32
		For Hot Dip Galvanizing, Add	*131.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.66*	
		For High Strength Low Alloy A588 Steel, Add	*117.01*	
		For Each Additional Top Copes >2, Add	*4.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-188.09*	
		For Skewed Or Sloped Connections, Add	*70.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	543.81	87.95
		For Hot Dip Galvanizing, Add	*124.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.94*	
		For High Strength Low Alloy A588 Steel, Add	*108.76*	
		For Each Additional Top Copes >2, Add	*4.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-176.26*	
		For Skewed Or Sloped Connections, Add	*65.26*	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	526.38	89.20
		For Hot Dip Galvanizing, Add	*119.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.37*	
		For High Strength Low Alloy A588 Steel, Add	*105.28*	
		For Each Additional Top Copes >2, Add	*4.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-169.96*	
		For Skewed Or Sloped Connections, Add	*63.17*	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	501.45	100.94
		For Hot Dip Galvanizing, Add	*109.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.13*	
		For High Strength Low Alloy A588 Steel, Add	*100.29*	
		For Each Additional Top Copes >2, Add	*3.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-159.35*	
		For Skewed Or Sloped Connections, Add	*60.17*	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	471.29	85.31
		For Hot Dip Galvanizing, Add	*105.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.42*	
		For High Strength Low Alloy A588 Steel, Add	*94.26*	
		For Each Additional Top Copes >2, Add	*3.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-151.30*	
		For Skewed Or Sloped Connections, Add	*56.55*	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	447.11	84.68
		For Hot Dip Galvanizing, Add	*99.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.24*	
		For High Strength Low Alloy A588 Steel, Add	*89.42*	
		For Each Additional Top Copes >2, Add	*3.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-142.94*	
		For Skewed Or Sloped Connections, Add	*53.65*	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	422.55	83.71
		For Hot Dip Galvanizing, Add	*92.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.03*	
		For High Strength Low Alloy A588 Steel, Add	*84.51*	
		For Each Additional Top Copes >2, Add	*3.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.50*	
		For Skewed Or Sloped Connections, Add	*50.71*	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	417.83	97.70
		For Hot Dip Galvanizing, Add	*87.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.60*	
		For High Strength Low Alloy A588 Steel, Add	*83.57*	
		For Each Additional Top Copes >2, Add	*3.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-130.61*	
		For Skewed Or Sloped Connections, Add	*50.14*	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	400.68	97.00
		For Hot Dip Galvanizing, Add	*82.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.06*	
		For High Strength Low Alloy A588 Steel, Add	*80.14*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.72*	
		For Skewed Or Sloped Connections, Add	*48.08*	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	376.73	96.16
		For Hot Dip Galvanizing, Add	*76.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.91*	
		For High Strength Low Alloy A588 Steel, Add	*75.35*	
		For Each Additional Top Copes >2, Add	*2.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.48*	
		For Skewed Or Sloped Connections, Add	*45.21*	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	550.67	90.71
		For Hot Dip Galvanizing, Add	*125.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*49.56*	
		For High Strength Low Alloy A588 Steel, Add	*110.13*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-178.22*	
		For Skewed Or Sloped Connections, Add	*66.08*	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	510.63	88.49
		For Hot Dip Galvanizing, Add	*115.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.96*	
		For High Strength Low Alloy A588 Steel, Add	*102.13*	
		For Each Additional Top Copes >2, Add	*4.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-164.56*	
		For Skewed Or Sloped Connections, Add	*61.28*	
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	485.57	100.23
		For Hot Dip Galvanizing, Add	*105.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*43.70*	
		For High Strength Low Alloy A588 Steel, Add	*97.11*	
		For Each Additional Top Copes >2, Add	*3.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-153.90*	
		For Skewed Or Sloped Connections, Add	*58.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	436.24	98.40
		For Hot Dip Galvanizing, Add	*91.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.26*	
		For High Strength Low Alloy A588 Steel, Add	*87.25*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.95*	
		For Skewed Or Sloped Connections, Add	*52.35*	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	395.31	83.45
		For Hot Dip Galvanizing, Add	*85.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.58*	
		For High Strength Low Alloy A588 Steel, Add	*79.06*	
		For Each Additional Top Copes >2, Add	*3.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-125.01*	
		For Skewed Or Sloped Connections, Add	*47.44*	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	387.05	96.44
		For Hot Dip Galvanizing, Add	*78.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.83*	
		For High Strength Low Alloy A588 Steel, Add	*77.41*	
		For Each Additional Top Copes >2, Add	*2.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-120.03*	
		For Skewed Or Sloped Connections, Add	*46.45*	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	367.66	95.73
		For Hot Dip Galvanizing, Add	*73.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.09*	
		For High Strength Low Alloy A588 Steel, Add	*73.53*	
		For Each Additional Top Copes >2, Add	*2.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-113.37*	
		For Skewed Or Sloped Connections, Add	*44.12*	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	345.10	94.88
		For Hot Dip Galvanizing, Add	*67.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.06*	
		For High Strength Low Alloy A588 Steel, Add	*69.02*	
		For Each Additional Top Copes >2, Add	*2.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.60*	
		For Skewed Or Sloped Connections, Add	*41.41*	
05 12 23 00-0249	LF	W30 x 211 A992/A36 Structural Beam Or Girder	489.61	88.33
		For Hot Dip Galvanizing, Add	*109.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.06*	
		For High Strength Low Alloy A588 Steel, Add	*97.92*	
		For Each Additional Top Copes >2, Add	*3.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-157.23*	
		For Skewed Or Sloped Connections, Add	*58.75*	
05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	464.21	99.53
		For Hot Dip Galvanizing, Add	*99.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.78*	
		For High Strength Low Alloy A588 Steel, Add	*92.84*	
		For Each Additional Top Copes >2, Add	*3.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-146.53*	
		For Skewed Or Sloped Connections, Add	*55.71*	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	424.03	84.30
		For Hot Dip Galvanizing, Add	*92.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.16*	
		For High Strength Low Alloy A588 Steel, Add	*84.81*	
		For Each Additional Top Copes >2, Add	*3.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.92*	
		For Skewed Or Sloped Connections, Add	*50.88*	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	401.03	97.14
		For Hot Dip Galvanizing, Add	*82.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.09*	
		For High Strength Low Alloy A588 Steel, Add	*80.21*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.82*	
		For Skewed Or Sloped Connections, Add	*48.12*	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	356.36	81.33
		For Hot Dip Galvanizing, Add	*74.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.07*	
		For High Strength Low Alloy A588 Steel, Add	*71.27*	
		For Each Additional Top Copes >2, Add	*2.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-111.71*	
		For Skewed Or Sloped Connections, Add	*42.76*	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	339.97	81.28
		For Hot Dip Galvanizing, Add	*70.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.60*	
		For High Strength Low Alloy A588 Steel, Add	*67.99*	
		For Each Additional Top Copes >2, Add	*2.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.98*	
		For Skewed Or Sloped Connections, Add	*40.80*	
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	338.01	94.75
		For Hot Dip Galvanizing, Add	*65.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.42*	
		For High Strength Low Alloy A588 Steel, Add	*67.60*	
		For Each Additional Top Copes >2, Add	*2.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-103.14*	
		For Skewed Or Sloped Connections, Add	*40.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	312.69	85.31
		For Hot Dip Galvanizing, Add	*61.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.14*	
		For High Strength Low Alloy A588 Steel, Add	*62.54*	
		For Each Additional Top Copes >2, Add	*2.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.80*	
		For Skewed Or Sloped Connections, Add	*37.52*	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	298.85	84.89
		For Hot Dip Galvanizing, Add	*57.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.90*	
		For High Strength Low Alloy A588 Steel, Add	*59.77*	
		For Each Additional Top Copes >2, Add	*2.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.04*	
		For Skewed Or Sloped Connections, Add	*35.86*	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	471.29	98.69
		For Hot Dip Galvanizing, Add	*101.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.42*	
		For High Strength Low Alloy A588 Steel, Add	*94.26*	
		For Each Additional Top Copes >2, Add	*3.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-149.16*	
		For Skewed Or Sloped Connections, Add	*56.55*	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	432.35	94.96
		For Hot Dip Galvanizing, Add	*91.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.91*	
		For High Strength Low Alloy A588 Steel, Add	*86.47*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.13*	
		For Skewed Or Sloped Connections, Add	*51.88*	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	397.93	91.61
		For Hot Dip Galvanizing, Add	*83.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.81*	
		For High Strength Low Alloy A588 Steel, Add	*79.59*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.62*	
		For Skewed Or Sloped Connections, Add	*47.75*	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	315.58	76.10
		For Hot Dip Galvanizing, Add	*65.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.40*	
		For High Strength Low Alloy A588 Steel, Add	*63.12*	
		For Each Additional Top Copes >2, Add	*2.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.28*	
		For Skewed Or Sloped Connections, Add	*37.87*	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	300.25	84.89
		For Hot Dip Galvanizing, Add	*58.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.02*	
		For High Strength Low Alloy A588 Steel, Add	*60.05*	
		For Each Additional Top Copes >2, Add	*2.10*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.51*	
		For Skewed Or Sloped Connections, Add	*36.03*	
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	287.26	84.33
		For Hot Dip Galvanizing, Add	*54.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.85*	
		For High Strength Low Alloy A588 Steel, Add	*57.45*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.05*	
		For Skewed Or Sloped Connections, Add	*34.47*	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	271.37	83.77
		For Hot Dip Galvanizing, Add	*50.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.42*	
		For High Strength Low Alloy A588 Steel, Add	*54.27*	
		For Each Additional Top Copes >2, Add	*1.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.59*	
		For Skewed Or Sloped Connections, Add	*32.56*	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	416.43	91.05
		For Hot Dip Galvanizing, Add	*88.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.48*	
		For High Strength Low Alloy A588 Steel, Add	*83.29*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-131.18*	
		For Skewed Or Sloped Connections, Add	*49.97*	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	380.89	87.29
		For Hot Dip Galvanizing, Add	*79.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.28*	
		For High Strength Low Alloy A588 Steel, Add	*76.18*	
		For Each Additional Top Copes >2, Add	*2.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.35*	
		For Skewed Or Sloped Connections, Add	*45.71*	
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	347.08	83.33
		For Hot Dip Galvanizing, Add	*71.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.24*	
		For High Strength Low Alloy A588 Steel, Add	*69.42*	
		For Each Additional Top Copes >2, Add	*2.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-108.15*	
		For Skewed Or Sloped Connections, Add	*41.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	315.06	79.16
		For Hot Dip Galvanizing, Add	*64.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.36*	
		For High Strength Low Alloy A588 Steel, Add	*63.01*	
		For Each Additional Top Copes >2, Add	*2.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.61*	
		For Skewed Or Sloped Connections, Add	*37.81*	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	284.84	74.86
		For Hot Dip Galvanizing, Add	*56.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.64*	
		For High Strength Low Alloy A588 Steel, Add	*56.97*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.72*	
		For Skewed Or Sloped Connections, Add	*34.18*	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	275.24	84.33
		For Hot Dip Galvanizing, Add	*51.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.77*	
		For High Strength Low Alloy A588 Steel, Add	*55.05*	
		For Each Additional Top Copes >2, Add	*1.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.84*	
		For Skewed Or Sloped Connections, Add	*33.03*	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	250.99	74.75
		For Hot Dip Galvanizing, Add	*47.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.59*	
		For High Strength Low Alloy A588 Steel, Add	*50.20*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.87*	
		For Skewed Or Sloped Connections, Add	*30.12*	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	238.83	74.20
		For Hot Dip Galvanizing, Add	*44.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.49*	
		For High Strength Low Alloy A588 Steel, Add	*47.77*	
		For Each Additional Top Copes >2, Add	*1.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.70*	
		For Skewed Or Sloped Connections, Add	*28.66*	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	223.51	73.77
		For Hot Dip Galvanizing, Add	*40.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.12*	
		For High Strength Low Alloy A588 Steel, Add	*44.70*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.42*	
		For Skewed Or Sloped Connections, Add	*26.82*	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	215.49	73.35
		For Hot Dip Galvanizing, Add	*38.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.39*	
		For High Strength Low Alloy A588 Steel, Add	*43.10*	
		For Each Additional Top Copes >2, Add	*1.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.68*	
		For Skewed Or Sloped Connections, Add	*25.86*	
05 12 23 00-0275	LF	W24 x 55 A992/A36 Structural Beam Or Girder	204.53	73.07
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.41*	
		For High Strength Low Alloy A588 Steel, Add	*40.91*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.91*	
		For Skewed Or Sloped Connections, Add	*24.54*	
05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	364.41	74.87
		For Hot Dip Galvanizing, Add	*78.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.80*	
		For High Strength Low Alloy A588 Steel, Add	*72.88*	
		For Each Additional Top Copes >2, Add	*2.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-115.56*	
		For Skewed Or Sloped Connections, Add	*43.73*	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	331.81	71.54
		For Hot Dip Galvanizing, Add	*70.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.86*	
		For High Strength Low Alloy A588 Steel, Add	*66.36*	
		For Each Additional Top Copes >2, Add	*2.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.69*	
		For Skewed Or Sloped Connections, Add	*39.82*	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	311.17	70.34
		For Hot Dip Galvanizing, Add	*65.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.01*	
		For High Strength Low Alloy A588 Steel, Add	*62.23*	
		For Each Additional Top Copes >2, Add	*2.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.66*	
		For Skewed Or Sloped Connections, Add	*37.34*	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	287.47	68.07
		For Hot Dip Galvanizing, Add	*59.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.87*	
		For High Strength Low Alloy A588 Steel, Add	*57.49*	
		For Each Additional Top Copes >2, Add	*2.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.72*	
		For Skewed Or Sloped Connections, Add	*34.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	265.79	65.90
		For Hot Dip Galvanizing, Add	*54.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.92*	
		For High Strength Low Alloy A588 Steel, Add	*53.16*	
		For Each Additional Top Copes >2, Add	*1.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.48*	
		For Skewed Or Sloped Connections, Add	*31.89*	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	260.67	75.60
		For Hot Dip Galvanizing, Add	*49.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.46*	
		For High Strength Low Alloy A588 Steel, Add	*52.13*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.14*	
		For Skewed Or Sloped Connections, Add	*31.28*	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	246.35	74.75
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.17*	
		For High Strength Low Alloy A588 Steel, Add	*49.27*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.25*	
		For Skewed Or Sloped Connections, Add	*29.56*	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	228.78	74.20
		For Hot Dip Galvanizing, Add	*41.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.59*	
		For High Strength Low Alloy A588 Steel, Add	*45.76*	
		For Each Additional Top Copes >2, Add	*1.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.21*	
		For Skewed Or Sloped Connections, Add	*27.45*	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	219.93	73.77
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.79*	
		For High Strength Low Alloy A588 Steel, Add	*43.99*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.17*	
		For Skewed Or Sloped Connections, Add	*26.39*	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	211.91	73.35
		For Hot Dip Galvanizing, Add	*37.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.07*	
		For High Strength Low Alloy A588 Steel, Add	*42.38*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.43*	
		For Skewed Or Sloped Connections, Add	*25.43*	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	204.67	73.20
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.42*	
		For High Strength Low Alloy A588 Steel, Add	*40.93*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.94*	
		For Skewed Or Sloped Connections, Add	*24.56*	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	181.46	63.49
		For Hot Dip Galvanizing, Add	*31.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.33*	
		For High Strength Low Alloy A588 Steel, Add	*36.29*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.33*	
		For Skewed Or Sloped Connections, Add	*21.78*	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	173.04	63.21
		For Hot Dip Galvanizing, Add	*29.30*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.57*	
		For High Strength Low Alloy A588 Steel, Add	*34.61*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.45*	
		For Skewed Or Sloped Connections, Add	*20.76*	
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	302.59	70.09
		For Hot Dip Galvanizing, Add	*63.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.23*	
		For High Strength Low Alloy A588 Steel, Add	*60.52*	
		For Each Additional Top Copes >2, Add	*2.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-94.69*	
		For Skewed Or Sloped Connections, Add	*36.31*	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	273.78	66.43
		For Hot Dip Galvanizing, Add	*56.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.64*	
		For High Strength Low Alloy A588 Steel, Add	*54.76*	
		For Each Additional Top Copes >2, Add	*2.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.20*	
		For Skewed Or Sloped Connections, Add	*32.85*	
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	266.51	75.60
		For Hot Dip Galvanizing, Add	*51.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.99*	
		For High Strength Low Alloy A588 Steel, Add	*53.30*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.16*	
		For Skewed Or Sloped Connections, Add	*31.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	250.07	74.90
		For Hot Dip Galvanizing, Add	*47.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.51*	
		For High Strength Low Alloy A588 Steel, Add	*50.01*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.53*	
		For Skewed Or Sloped Connections, Add	*30.01*	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	235.24	74.20
		For Hot Dip Galvanizing, Add	*43.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.17*	
		For High Strength Low Alloy A588 Steel, Add	*47.05*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.45*	
		For Skewed Or Sloped Connections, Add	*28.23*	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	224.42	74.05
		For Hot Dip Galvanizing, Add	*40.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.20*	
		For High Strength Low Alloy A588 Steel, Add	*44.88*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.70*	
		For Skewed Or Sloped Connections, Add	*26.93*	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	213.88	73.77
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.25*	
		For High Strength Low Alloy A588 Steel, Add	*42.78*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.08*	
		For Skewed Or Sloped Connections, Add	*25.67*	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	204.39	73.20
		For Hot Dip Galvanizing, Add	*35.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.40*	
		For High Strength Low Alloy A588 Steel, Add	*40.88*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.82*	
		For Skewed Or Sloped Connections, Add	*24.53*	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	194.84	73.07
		For Hot Dip Galvanizing, Add	*32.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.54*	
		For High Strength Low Alloy A588 Steel, Add	*38.97*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.52*	
		For Skewed Or Sloped Connections, Add	*23.38*	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	175.56	63.49
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.80*	
		For High Strength Low Alloy A588 Steel, Add	*35.11*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.27*	
		For Skewed Or Sloped Connections, Add	*21.07*	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	168.12	63.35
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.13*	
		For High Strength Low Alloy A588 Steel, Add	*33.62*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.71*	
		For Skewed Or Sloped Connections, Add	*20.17*	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	147.09	54.06
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.24*	
		For High Strength Low Alloy A588 Steel, Add	*29.42*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.82*	
		For Skewed Or Sloped Connections, Add	*17.65*	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	137.75	53.92
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.40*	
		For High Strength Low Alloy A588 Steel, Add	*27.55*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.60*	
		For Skewed Or Sloped Connections, Add	*16.53*	
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	251.99	49.13
		For Hot Dip Galvanizing, Add	*55.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.68*	
		For High Strength Low Alloy A588 Steel, Add	*50.40*	
		For Each Additional Top Copes >2, Add	*2.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-80.34*	
		For Skewed Or Sloped Connections, Add	*30.24*	
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	230.91	48.29
		For Hot Dip Galvanizing, Add	*49.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.78*	
		For High Strength Low Alloy A588 Steel, Add	*46.18*	
		For Each Additional Top Copes >2, Add	*1.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.09*	
		For Skewed Or Sloped Connections, Add	*27.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	208.29	47.72
		For Hot Dip Galvanizing, Add	*43.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.75*	
		For High Strength Low Alloy A588 Steel, Add	*41.66*	
		For Each Additional Top Copes >2, Add	*1.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.28*	
		For Skewed Or Sloped Connections, Add	*24.99*	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	189.03	47.02
		For Hot Dip Galvanizing, Add	*38.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.01*	
		For High Strength Low Alloy A588 Steel, Add	*37.81*	
		For Each Additional Top Copes >2, Add	*1.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.64*	
		For Skewed Or Sloped Connections, Add	*22.68*	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	169.99	46.31
		For Hot Dip Galvanizing, Add	*33.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.30*	
		For High Strength Low Alloy A588 Steel, Add	*34.00*	
		For Each Additional Top Copes >2, Add	*1.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.08*	
		For Skewed Or Sloped Connections, Add	*20.40*	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	156.70	45.89
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.10*	
		For High Strength Low Alloy A588 Steel, Add	*31.34*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.50*	
		For Skewed Or Sloped Connections, Add	*18.80*	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	147.35	45.61
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.26*	
		For High Strength Low Alloy A588 Steel, Add	*29.47*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.27*	
		For Skewed Or Sloped Connections, Add	*17.68*	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	137.66	45.19
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.39*	
		For High Strength Low Alloy A588 Steel, Add	*27.53*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.94*	
		For Skewed Or Sloped Connections, Add	*16.52*	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	130.08	44.91
		For Hot Dip Galvanizing, Add	*22.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.71*	
		For High Strength Low Alloy A588 Steel, Add	*26.02*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.35*	
		For Skewed Or Sloped Connections, Add	*15.61*	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	111.08	35.76
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.00*	
		For High Strength Low Alloy A588 Steel, Add	*22.22*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.16*	
		For Skewed Or Sloped Connections, Add	*13.33*	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	98.88	35.33
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.90*	
		For High Strength Low Alloy A588 Steel, Add	*19.78*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.95*	
		For Skewed Or Sloped Connections, Add	*11.87*	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	240.66	40.26
		For Hot Dip Galvanizing, Add	*54.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.66*	
		For High Strength Low Alloy A588 Steel, Add	*48.13*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.79*	
		For Skewed Or Sloped Connections, Add	*28.88*	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	223.51	39.56
		For Hot Dip Galvanizing, Add	*50.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.12*	
		For High Strength Low Alloy A588 Steel, Add	*44.70*	
		For Each Additional Top Copes >2, Add	*1.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.89*	
		For Skewed Or Sloped Connections, Add	*26.82*	
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	208.19	39.14
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.74*	
		For High Strength Low Alloy A588 Steel, Add	*41.64*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.62*	
		For Skewed Or Sloped Connections, Add	*24.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	192.89	38.57
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.36*	
		For High Strength Low Alloy A588 Steel, Add	*38.58*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.34*	
		For Skewed Or Sloped Connections, Add	*23.15*	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	181.49	38.15
		For Hot Dip Galvanizing, Add	*39.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.33*	
		For High Strength Low Alloy A588 Steel, Add	*36.30*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.42*	
		For Skewed Or Sloped Connections, Add	*21.78*	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	168.21	37.73
		For Hot Dip Galvanizing, Add	*35.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.14*	
		For High Strength Low Alloy A588 Steel, Add	*33.64*	
		For Each Additional Top Copes >2, Add	*1.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.83*	
		For Skewed Or Sloped Connections, Add	*20.19*	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	153.10	37.17
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.78*	
		For High Strength Low Alloy A588 Steel, Add	*30.62*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.63*	
		For Skewed Or Sloped Connections, Add	*18.37*	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	143.41	36.74
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.91*	
		For High Strength Low Alloy A588 Steel, Add	*28.68*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.30*	
		For Skewed Or Sloped Connections, Add	*17.21*	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	133.85	36.61
		For Hot Dip Galvanizing, Add	*26.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.05*	
		For High Strength Low Alloy A588 Steel, Add	*26.77*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.00*	
		For Skewed Or Sloped Connections, Add	*16.06*	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	124.36	36.33
		For Hot Dip Galvanizing, Add	*23.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.19*	
		For High Strength Low Alloy A588 Steel, Add	*24.87*	
		For Each Additional Top Copes >2, Add	*0.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.74*	
		For Skewed Or Sloped Connections, Add	*14.92*	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	116.70	35.90
		For Hot Dip Galvanizing, Add	*21.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Steel, Add	*23.34*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.10*	
		For Skewed Or Sloped Connections, Add	*14.00*	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	109.05	35.76
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.81*	
		For High Strength Low Alloy A588 Steel, Add	*21.81*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.47*	
		For Skewed Or Sloped Connections, Add	*13.09*	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	101.39	35.33
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.13*	
		For High Strength Low Alloy A588 Steel, Add	*20.28*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.83*	
		For Skewed Or Sloped Connections, Add	*12.17*	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	93.93	35.20
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.45*	
		For High Strength Low Alloy A588 Steel, Add	*18.79*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.26*	
		For Skewed Or Sloped Connections, Add	*11.27*	
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	217.89	39.42
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.61*	
		For High Strength Low Alloy A588 Steel, Add	*43.58*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.95*	
		For Skewed Or Sloped Connections, Add	*26.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	202.57	38.85
		For Hot Dip Galvanizing, Add	*44.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.23*	
		For High Strength Low Alloy A588 Steel, Add	*40.51*	
		For Each Additional Top Copes >2, Add	*1.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.67*	
		For Skewed Or Sloped Connections, Add	*24.31*	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	189.14	38.44
		For Hot Dip Galvanizing, Add	*41.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.02*	
		For High Strength Low Alloy A588 Steel, Add	*37.83*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.06*	
		For Skewed Or Sloped Connections, Add	*22.70*	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	175.88	38.01
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.83*	
		For High Strength Low Alloy A588 Steel, Add	*35.18*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.48*	
		For Skewed Or Sloped Connections, Add	*21.11*	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	162.45	37.44
		For Hot Dip Galvanizing, Add	*33.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.62*	
		For High Strength Low Alloy A588 Steel, Add	*32.49*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.86*	
		For Skewed Or Sloped Connections, Add	*19.49*	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	153.10	37.17
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.78*	
		For High Strength Low Alloy A588 Steel, Add	*30.62*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.63*	
		For Skewed Or Sloped Connections, Add	*18.37*	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	147.13	37.03
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.24*	
		For High Strength Low Alloy A588 Steel, Add	*29.43*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.58*	
		For Skewed Or Sloped Connections, Add	*17.66*	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	137.79	36.74
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.40*	
		For High Strength Low Alloy A588 Steel, Add	*27.56*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.36*	
		For Skewed Or Sloped Connections, Add	*16.53*	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	118.51	27.31
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.67*	
		For High Strength Low Alloy A588 Steel, Add	*23.70*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.11*	
		For Skewed Or Sloped Connections, Add	*14.22*	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	109.17	27.17
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.83*	
		For High Strength Low Alloy A588 Steel, Add	*21.83*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.88*	
		For Skewed Or Sloped Connections, Add	*13.10*	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	99.48	26.75
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.95*	
		For High Strength Low Alloy A588 Steel, Add	*19.90*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.55*	
		For Skewed Or Sloped Connections, Add	*11.94*	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	91.82	26.46
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.26*	
		For High Strength Low Alloy A588 Steel, Add	*18.36*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.91*	
		For Skewed Or Sloped Connections, Add	*11.02*	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	84.36	26.18
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.59*	
		For High Strength Low Alloy A588 Steel, Add	*16.87*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.35*	
		For Skewed Or Sloped Connections, Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	78.54	26.04
		For Hot Dip Galvanizing, Add	*14.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.07*	
		For High Strength Low Alloy A588 Steel, Add	*15.71*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.33*	
		For Skewed Or Sloped Connections, Add	*9.42*	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	72.78	25.63
		For Hot Dip Galvanizing, Add	*12.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.55*	
		For High Strength Low Alloy A588 Steel, Add	*14.56*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.35*	
		For Skewed Or Sloped Connections, Add	*8.73*	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	69.05	25.63
		For Hot Dip Galvanizing, Add	*11.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.21*	
		For High Strength Low Alloy A588 Steel, Add	*13.81*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.07*	
		For Skewed Or Sloped Connections, Add	*8.29*	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	172.49	29.42
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.52*	
		For High Strength Low Alloy A588 Steel, Add	*34.50*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.68*	
		For Skewed Or Sloped Connections, Add	*20.70*	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	157.37	28.86
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.16*	
		For High Strength Low Alloy A588 Steel, Add	*31.47*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.48*	
		For Skewed Or Sloped Connections, Add	*18.88*	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	145.78	28.30
		For Hot Dip Galvanizing, Add	*32.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.12*	
		For High Strength Low Alloy A588 Steel, Add	*29.16*	
		For Each Additional Top Copes >2, Add	*1.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.48*	
		For Skewed Or Sloped Connections, Add	*17.49*	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	136.30	28.02
		For Hot Dip Galvanizing, Add	*29.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.27*	
		For High Strength Low Alloy A588 Steel, Add	*27.26*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.23*	
		For Skewed Or Sloped Connections, Add	*16.36*	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	128.64	27.87
		For Hot Dip Galvanizing, Add	*27.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.58*	
		For High Strength Low Alloy A588 Steel, Add	*25.73*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.59*	
		For Skewed Or Sloped Connections, Add	*15.44*	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	117.25	27.31
		For Hot Dip Galvanizing, Add	*24.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.55*	
		For High Strength Low Alloy A588 Steel, Add	*23.45*	
		For Each Additional Top Copes >2, Add	*0.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.67*	
		For Skewed Or Sloped Connections, Add	*14.07*	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	105.87	26.89
		For Hot Dip Galvanizing, Add	*21.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.53*	
		For High Strength Low Alloy A588 Steel, Add	*21.17*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.75*	
		For Skewed Or Sloped Connections, Add	*12.70*	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	100.03	26.75
		For Hot Dip Galvanizing, Add	*19.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.00*	
		For High Strength Low Alloy A588 Steel, Add	*20.01*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.73*	
		For Skewed Or Sloped Connections, Add	*12.00*	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	92.59	26.61
		For Hot Dip Galvanizing, Add	*17.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.33*	
		For High Strength Low Alloy A588 Steel, Add	*18.52*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.16*	
		For Skewed Or Sloped Connections, Add	*11.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	84.78	26.18
		For Hot Dip Galvanizing, Add	*15.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.63*	
		For High Strength Low Alloy A588 Steel, Add	*16.96*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.49*	
		For Skewed Or Sloped Connections, Add	*10.17*	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	79.17	26.04
		For Hot Dip Galvanizing, Add	*14.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.13*	
		For High Strength Low Alloy A588 Steel, Add	*15.83*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.55*	
		For Skewed Or Sloped Connections, Add	*9.50*	
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	75.23	25.90
		For Hot Dip Galvanizing, Add	*13.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.77*	
		For High Strength Low Alloy A588 Steel, Add	*15.05*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.19*	
		For Skewed Or Sloped Connections, Add	*9.03*	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	71.51	25.63
		For Hot Dip Galvanizing, Add	*12.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.44*	
		For High Strength Low Alloy A588 Steel, Add	*14.30*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.91*	
		For Skewed Or Sloped Connections, Add	*8.58*	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	65.88	25.63
		For Hot Dip Galvanizing, Add	*10.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.93*	
		For High Strength Low Alloy A588 Steel, Add	*13.18*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.96*	
		For Skewed Or Sloped Connections, Add	*7.91*	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	109.59	27.17
		For Hot Dip Galvanizing, Add	*22.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.86*	
		For High Strength Low Alloy A588 Steel, Add	*21.92*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.03*	
		For Skewed Or Sloped Connections, Add	*13.15*	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	101.92	26.75
		For Hot Dip Galvanizing, Add	*20.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.17*	
		For High Strength Low Alloy A588 Steel, Add	*20.38*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.39*	
		For Skewed Or Sloped Connections, Add	*12.23*	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	94.76	25.20
		For Hot Dip Galvanizing, Add	*18.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.53*	
		For High Strength Low Alloy A588 Steel, Add	*18.95*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.13*	
		For Skewed Or Sloped Connections, Add	*11.37*	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	86.35	23.65
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.77*	
		For High Strength Low Alloy A588 Steel, Add	*17.27*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.44*	
		For Skewed Or Sloped Connections, Add	*10.36*	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	80.35	21.96
		For Hot Dip Galvanizing, Add	*15.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.23*	
		For High Strength Low Alloy A588 Steel, Add	*16.07*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.60*	
		For Skewed Or Sloped Connections, Add	*9.64*	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	70.21	20.41
		For Hot Dip Galvanizing, Add	*13.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.32*	
		For High Strength Low Alloy A588 Steel, Add	*14.04*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.30*	
		For Skewed Or Sloped Connections, Add	*8.43*	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	41.32	14.64
		For Hot Dip Galvanizing, Add	*7.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.72*	
		For High Strength Low Alloy A588 Steel, Add	*8.26*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.14*	
		For Skewed Or Sloped Connections, Add	*4.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	38.18	11.96
		For Hot Dip Galvanizing, Add	*7.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.44*	
		For High Strength Low Alloy A588 Steel, Add	*7.64*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.46*	
		For Skewed Or Sloped Connections, Add	*4.58*	
05 12 23 00-0365		**A992/A36 Structural Steel, M Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	72.77	18.47
		For Hot Dip Galvanizing, Add	*14.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.55*	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	52.21	16.33
		For Hot Dip Galvanizing, Add	*9.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.44*	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	40.52	13.11
		For Hot Dip Galvanizing, Add	*7.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.10*	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	29.26	9.47
		For Hot Dip Galvanizing, Add	*5.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.85*	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	82.91	22.67
		For Hot Dip Galvanizing, Add	*16.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.58*	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	19.79	6.40
		For Hot Dip Galvanizing, Add	*3.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.96*	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	79.86	22.67
		For Hot Dip Galvanizing, Add	*15.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.97*	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	65.60	22.24
		For Hot Dip Galvanizing, Add	*11.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.12*	
05 12 23 00-0374		**A992/A36 Structural Steel, S Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	437.72	93.54
		For Hot Dip Galvanizing, Add	*93.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.54*	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	388.06	86.26
		For Hot Dip Galvanizing, Add	*82.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.61*	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	370.67	85.65
		For Hot Dip Galvanizing, Add	*77.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*74.13*	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	337.93	81.14
		For Hot Dip Galvanizing, Add	*69.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.59*	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	304.41	75.93
		For Hot Dip Galvanizing, Add	*62.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.88*	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	355.84	82.22
		For Hot Dip Galvanizing, Add	*74.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.17*	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	322.90	77.54
		For Hot Dip Galvanizing, Add	*66.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.58*	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	285.39	71.18
		For Hot Dip Galvanizing, Add	*58.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.08*	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	254.67	65.93
		For Hot Dip Galvanizing, Add	*51.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	270.10	69.93
		For Hot Dip Galvanizing, Add	*54.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*54.02*	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	214.14	57.53
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.83*	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	198.68	55.35
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.74*	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	173.13	49.99
		For Hot Dip Galvanizing, Add	*33.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.63*	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	195.72	52.59
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.14*	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	162.12	45.17
		For Hot Dip Galvanizing, Add	*31.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.42*	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	141.25	40.78
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.25*	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	130.42	39.00
		For Hot Dip Galvanizing, Add	*24.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.08*	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	143.54	42.93
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.71*	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	105.92	32.79
		For Hot Dip Galvanizing, Add	*19.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.18*	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	95.92	29.69
		For Hot Dip Galvanizing, Add	*17.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.18*	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	78.07	25.01
		For Hot Dip Galvanizing, Add	*14.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.61*	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	84.85	27.18
		For Hot Dip Galvanizing, Add	*15.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.97*	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	66.07	21.89
		For Hot Dip Galvanizing, Add	*11.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.21*	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	73.54	23.77
		For Hot Dip Galvanizing, Add	*13.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.71*	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	63.03	21.96
		For Hot Dip Galvanizing, Add	*10.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.61*	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	67.12	22.39
		For Hot Dip Galvanizing, Add	*12.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.42*	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	57.00	21.82
		For Hot Dip Galvanizing, Add	*9.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.40*	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	55.44	21.82
		For Hot Dip Galvanizing, Add	*8.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.09*	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	51.83	21.82
		For Hot Dip Galvanizing, Add	*7.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.37*	
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	51.48	21.82
		For Hot Dip Galvanizing, Add	*7.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	47.18	21.68
		For Hot Dip Galvanizing, Add	*6.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.44*	

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	269.60	27.71
		For Hot Dip Galvanizing, Add	*66.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.92*	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	235.92	25.79
		For Hot Dip Galvanizing, Add	*57.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.18*	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	210.19	24.19
		For Hot Dip Galvanizing, Add	*51.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.04*	
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	174.01	22.80
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.80*	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	231.29	25.28
		For Hot Dip Galvanizing, Add	*56.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.26*	
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	205.47	23.65
		For Hot Dip Galvanizing, Add	*50.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.09*	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	174.01	22.80
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.80*	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	147.43	21.85
		For Hot Dip Galvanizing, Add	*34.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.49*	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	193.83	24.93
		For Hot Dip Galvanizing, Add	*46.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.77*	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	171.25	23.52
		For Hot Dip Galvanizing, Add	*40.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.25*	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	147.43	21.63
		For Hot Dip Galvanizing, Add	*34.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.49*	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	135.17	20.56
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.03*	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	142.41	21.10
		For Hot Dip Galvanizing, Add	*33.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.48*	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	117.36	19.78
		For Hot Dip Galvanizing, Add	*26.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.47*	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	102.05	18.65
		For Hot Dip Galvanizing, Add	*22.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.41*	

05 12 23 00-0422 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0423 Angle Iron - L *(05 12 23 00-0422)*

05 12 23 00-0424 1/8" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.09	1.89
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000, Deduct	*-0.56*	
		For 304 Stainless Steel, Add	*1.60*	
		For 316 Stainless Steel, Add	*1.79*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.35*	
		For High Strength Steel (HSS), Add	*0.62*	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.57	2.14
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.64*	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
		For High Strength Steel (HSS), Add	*0.71*	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.03	2.36
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For 304 Stainless Steel, Add	*2.51*	
		For 316 Stainless Steel, Add	*2.82*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.55*	
		For High Strength Steel (HSS), Add	*0.81*	
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.53	2.63
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.80*	
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
		For High Strength Steel (HSS), Add	*0.91*	
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.98	2.84
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.88*	
		For 304 Stainless Steel, Add	*3.39*	
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.74*	
		For High Strength Steel (HSS), Add	*1.00*	
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.95	3.34
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.93*	
		For High Strength Steel (HSS), Add	*1.19*	
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.95	3.34
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.93*	
		For High Strength Steel (HSS), Add	*1.19*	
05 12 23 00-0432	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.59	3.59
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For High Strength Steel (HSS), Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0433	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	7.09	3.72
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.42*	
05 12 23 00-0434	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	7.09	3.72
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.42*	
05 12 23 00-0435	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.57	3.83
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*6.98*	
		For 316 Stainless Steel, Add	*7.84*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.52*	
		For High Strength Steel (HSS), Add	*1.51*	

05 12 23 00-0436 3/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0437	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.72	3.00
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
		For High Strength Steel (HSS), Add	*1.14*	
05 12 23 00-0438	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.90	3.54
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.38*	
05 12 23 00-0439	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.90	3.54
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.38*	
05 12 23 00-0440	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.72	3.79
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.28*	
		For 304 Stainless Steel, Add	*7.61*	
		For 316 Stainless Steel, Add	*8.54*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
		For High Strength Steel (HSS), Add	*1.54*	
05 12 23 00-0441	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	8.37	3.92
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0442	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.37	3.92
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.67*	
05 12 23 00-0443	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.03	4.06
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.44*	
		For 304 Stainless Steel, Add	*10.35*	
		For 316 Stainless Steel, Add	*11.62*	
		For Aluminum, Add	*0.65*	
		For Galvanized Steel, Add	*2.25*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0444	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.89	4.34
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.57*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.09*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.54*	
		For High Strength Steel (HSS), Add	*1.98*	
05 12 23 00-0445	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.78	4.66
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*13.02*	
		For 316 Stainless Steel, Add	*14.62*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
		For High Strength Steel (HSS), Add	*2.16*	
05 12 23 00-0446	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.77	4.66
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0447	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.90	5.14
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.12*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0448	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	13.02	5.63
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
		For High Strength Steel (HSS), Add	*2.60*	

05 12 23 00-0449 1/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0450	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.83	3.47
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.15*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.80	3.74
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.28*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
		For High Strength Steel (HSS), Add	*1.56*	
05 12 23 00-0452	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.80	3.74
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.28*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
		For High Strength Steel (HSS), Add	*1.56*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.76	3.99
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.41*	
		For 304 Stainless Steel, Add	*9.80*	
		For 316 Stainless Steel, Add	*11.01*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.13*	
		For High Strength Steel (HSS), Add	*1.75*	
05 12 23 00-0454	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.63	4.12
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*11.74*	
		For 316 Stainless Steel, Add	*13.18*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.93*	
05 12 23 00-0455	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.54	3.87
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*9.89*	
		For 316 Stainless Steel, Add	*11.10*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.15*	
		For High Strength Steel (HSS), Add	*1.71*	
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.62	4.12
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*11.71*	
		For 316 Stainless Steel, Add	*13.15*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.92*	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	10.41	4.26
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.93*	
		For High Strength Steel (HSS), Add	*2.08*	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.67	4.72
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000, Deduct	*-1.80*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
		For High Strength Steel (HSS), Add	*2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.98	5.17
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-1.99*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.77*	
		For High Strength Steel (HSS), Add	*2.60*	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.98	5.17
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-1.99*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.77*	
		For High Strength Steel (HSS), Add	*2.60*	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.35	5.74
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.20*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.15*	
		For High Strength Steel (HSS), Add	*2.87*	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	15.67	6.31
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000, Deduct	*-2.41*	
		For 304 Stainless Steel, Add	*20.69*	
		For 316 Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
		For High Strength Steel (HSS), Add	*3.13*	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.04	6.78
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.61*	
		For 304 Stainless Steel, Add	*22.80*	
		For 316 Stainless Steel, Add	*25.60*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.96*	
		For High Strength Steel (HSS), Add	*3.41*	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.06	0.71
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.75*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
		For High Strength Steel (HSS), Add	*3.61*	
05 12 23 00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.06	7.08
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.75*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
		For High Strength Steel (HSS), Add	*3.61*	
05 12 23 00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.03	7.38
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.17*	
		For >1,000, Deduct	*-2.89*	
		For 304 Stainless Steel, Add	*26.19*	
		For 316 Stainless Steel, Add	*29.41*	
		For Aluminum, Add	*1.65*	
		For Galvanized Steel, Add	*5.70*	
		For High Strength Steel (HSS), Add	*3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	20.07	7.70
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*4.01*	
05 12 23 00-0468	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	20.07	7.70
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*4.01*	
05 12 23 00-0469	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	21.20	8.11
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.20*	
		For 304 Stainless Steel, Add	*29.58*	
		For 316 Stainless Steel, Add	*33.22*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.44*	
		For High Strength Steel (HSS), Add	*4.24*	

05 12 23 00-0470 5/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0471	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	14.00	5.49
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.13*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.15*	
		For High Strength Steel (HSS), Add	*2.80*	
05 12 23 00-0472	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.18	5.81
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
		For High Strength Steel (HSS), Add	*3.04*	
05 12 23 00-0473	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	15.18	5.81
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
		For High Strength Steel (HSS), Add	*3.04*	
05 12 23 00-0474	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.82	6.37
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.53*	
		For 304 Stainless Steel, Add	*23.71*	
		For 316 Stainless Steel, Add	*26.62*	
		For Aluminum, Add	*1.50*	
		For Galvanized Steel, Add	*5.16*	
		For High Strength Steel (HSS), Add	*3.36*	
05 12 23 00-0475	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.29	6.93
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.75*	
		For 304 Stainless Steel, Add	*25.82*	
		For 316 Stainless Steel, Add	*28.99*	
		For Aluminum, Add	*1.63*	
		For Galvanized Steel, Add	*5.62*	
		For High Strength Steel (HSS), Add	*3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.52	7.28
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-2.92*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*3.90*	
05 12 23 00-0477	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.85	7.64
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.10*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.17*	
05 12 23 00-0478	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	20.85	7.64
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.10*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.17*	
05 12 23 00-0479	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	22.18	8.08
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.30*	
		For 304 Stainless Steel, Add	*32.52*	
		For 316 Stainless Steel, Add	*36.51*	
		For Aluminum, Add	*2.05*	
		For Galvanized Steel, Add	*7.07*	
		For High Strength Steel (HSS), Add	*4.44*	
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	23.43	8.43
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.47*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.56*	
		For High Strength Steel (HSS), Add	*4.69*	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	23.43	8.43
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.47*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.56*	
		For High Strength Steel (HSS), Add	*4.69*	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	24.62	8.79
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For Galvanized Steel, Add	*8.00*	
		For High Strength Steel (HSS), Add	*4.92*	
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	27.52	9.16
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.97*	
		For 304 Stainless Steel, Add	*43.63*	
		For 316 Stainless Steel, Add	*48.99*	
		For Aluminum, Add	*2.76*	
		For Galvanized Steel, Add	*9.49*	
		For High Strength Steel (HSS), Add	*5.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	27.26	9.55
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.00*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000, Deduct	*-4.00*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.45*	
05 12 23 00-0485		3/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.86	6.08
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.50*	
		For 304 Stainless Steel, Add	*24.94*	
		For 316 Stainless Steel, Add	*28.00*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.43*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.60	6.59
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.74*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*3.72*	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.13	7.10
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-2.96*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.03*	
05 12 23 00-0489	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.47	7.29
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.12*	
		For 304 Stainless Steel, Add	*33.46*	
		For 316 Stainless Steel, Add	*37.57*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.28*	
		For High Strength Steel (HSS), Add	*4.29*	
05 12 23 00-0490	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.85	7.69
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.31*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
		For High Strength Steel (HSS), Add	*4.57*	
05 12 23 00-0491	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	22.85	7.69
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.31*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
		For High Strength Steel (HSS), Add	*4.57*	
05 12 23 00-0492	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	24.66	8.38
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000, Deduct	*-3.58*	
		For 304 Stainless Steel, Add	*38.45*	
		For 316 Stainless Steel, Add	*43.17*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.36*	
		For High Strength Steel (HSS), Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	26.03	8.63
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.21*	
05 12 23 00-0494	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	26.49	8.97
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-3.85*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.30*	
05 12 23 00-0495	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	28.31	9.67
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.06*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.12*	
		For 304 Stainless Steel, Add	*43.95*	
		For 316 Stainless Steel, Add	*49.34*	
		For Aluminum, Add	*2.78*	
		For Galvanized Steel, Add	*9.56*	
		For High Strength Steel (HSS), Add	*5.66*	
05 12 23 00-0496	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	33.29	11.26
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
		For High Strength Steel (HSS), Add	*6.66*	
05 12 23 00-0497	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	31.30	10.48
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*49.42*	
		For 316 Stainless Steel, Add	*55.49*	
		For Aluminum, Add	*3.12*	
		For Galvanized Steel, Add	*10.75*	
		For High Strength Steel (HSS), Add	*6.26*	
05 12 23 00-0498	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	33.29	11.26
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
		For High Strength Steel (HSS), Add	*6.66*	
05 12 23 00-0499	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	40.15	13.52
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-5.82*	
		For 304 Stainless Steel, Add	*63.10*	
		For 316 Stainless Steel, Add	*70.85*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.73*	
		For High Strength Steel (HSS), Add	*8.03*	
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	36.74	12.38
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.66*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.33*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For Galvanized Steel, Add	*12.53*	
		For High Strength Steel (HSS), Add	*7.35*	

05 12 23 00-0501 1/2" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	23.64	7.25
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.33*	
		For 304 Stainless Steel, Add	*39.81*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For Galvanized Steel, Add	*8.66*	
		For High Strength Steel (HSS), Add	*4.73*	
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	27.91	8.57
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.97*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-3.93*	
		For 304 Stainless Steel, Add	*47.03*	
		For 316 Stainless Steel, Add	*52.80*	
		For Aluminum, Add	*2.97*	
		For Galvanized Steel, Add	*10.23*	
		For High Strength Steel (HSS), Add	*5.58*	
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	29.92	9.18
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-4.22*	
		For 304 Stainless Steel, Add	*50.39*	
		For 316 Stainless Steel, Add	*56.58*	
		For Aluminum, Add	*3.18*	
		For Galvanized Steel, Add	*10.96*	
		For High Strength Steel (HSS), Add	*5.98*	
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	32.19	9.88
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.54*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
		For High Strength Steel (HSS), Add	*6.44*	
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	32.19	9.88
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.54*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
		For High Strength Steel (HSS), Add	*6.44*	
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	34.20	10.50
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-4.82*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For Galvanized Steel, Add	*12.53*	
		For High Strength Steel (HSS), Add	*6.84*	
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	40.74	12.50
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000, Deduct	*-5.74*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.92*	
		For High Strength Steel (HSS), Add	*8.15*	
05 12 23 00-0509	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	40.74	12.50
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000, Deduct	*-5.74*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.92*	
		For High Strength Steel (HSS), Add	*8.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	49.28	15.12
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.21*	
		For >1,000, Deduct	*-6.94*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	
		For High Strength Steel (HSS), Add	*9.86*	
05 12 23 00-0511	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	44.99	13.81
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-6.34*	
		For 304 Stainless Steel, Add	*75.78*	
		For 316 Stainless Steel, Add	*85.09*	
		For Aluminum, Add	*4.79*	
		For Galvanized Steel, Add	*16.49*	
		For High Strength Steel (HSS), Add	*9.00*	
05 12 23 00-0512	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	49.28	15.12
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.21*	
		For >1,000, Deduct	*-6.94*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	
		For High Strength Steel (HSS), Add	*9.86*	
05 12 23 00-0513	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	57.84	17.75
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.08*	
		For >500 To 1,000, Deduct	*-6.11*	
		For >1,000, Deduct	*-8.15*	
		For 304 Stainless Steel, Add	*97.41*	
		For 316 Stainless Steel, Add	*109.38*	
		For Aluminum, Add	*6.15*	
		For Galvanized Steel, Add	*21.19*	
		For High Strength Steel (HSS), Add	*11.57*	
05 12 23 00-0514	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	66.37	20.36
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-4.68*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000, Deduct	*-9.35*	
		For 304 Stainless Steel, Add	*111.78*	
		For 316 Stainless Steel, Add	*125.50*	
		For Aluminum, Add	*7.06*	
		For Galvanized Steel, Add	*24.32*	
		For High Strength Steel (HSS), Add	*13.27*	
05 12 23 00-0515		5/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0516	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	38.42	11.32
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.35*	
		For 316 Stainless Steel, Add	*74.66*	
		For Aluminum, Add	*4.20*	
		For Galvanized Steel, Add	*14.46*	
		For High Strength Steel (HSS), Add	*7.68*	
05 12 23 00-0517	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	41.12	12.11
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.73*	
		For 316 Stainless Steel, Add	*79.90*	
		For Aluminum, Add	*4.49*	
		For Galvanized Steel, Add	*15.48*	
		For High Strength Steel (HSS), Add	*8.22*	
05 12 23 00-0518	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	48.93	14.42
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.41*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000, Deduct	*-6.82*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.42*	
		For High Strength Steel (HSS), Add	*9.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	48.93	14.42
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.41*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000, Deduct	*-6.82*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.42*	
		For High Strength Steel (HSS), Add	*9.79*	
05 12 23 00-0520	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	59.22	17.45
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.12*	
		For >500 To 1,000, Deduct	*-6.19*	
		For >1,000, Deduct	*-8.25*	
		For 316 Stainless Steel, Add	*115.07*	
		For Aluminum, Add	*6.47*	
		For Galvanized Steel, Add	*22.30*	
		For High Strength Steel (HSS), Add	*11.84*	
05 12 23 00-0521	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	54.08	15.93
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000, Deduct	*-7.53*	
		For 316 Stainless Steel, Add	*105.09*	
		For Aluminum, Add	*5.91*	
		For Galvanized Steel, Add	*20.36*	
		For High Strength Steel (HSS), Add	*10.82*	
05 12 23 00-0522	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	69.74	20.55
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.86*	
		For >500 To 1,000, Deduct	*-7.28*	
		For >1,000, Deduct	*-9.71*	
		For 316 Stainless Steel, Add	*135.52*	
		For Aluminum, Add	*7.62*	
		For Galvanized Steel, Add	*26.26*	
		For High Strength Steel (HSS), Add	*13.95*	
05 12 23 00-0523	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	80.04	23.58
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-5.57*	
		For >500 To 1,000, Deduct	*-8.36*	
		For >1,000, Deduct	*-11.15*	
		For 316 Stainless Steel, Add	*155.52*	
		For Aluminum, Add	*8.75*	
		For Galvanized Steel, Add	*30.13*	
		For High Strength Steel (HSS), Add	*16.01*	

05 12 23 00-0524 3/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0525	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	44.18	12.51
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.04*	
		For >500 To 1,000, Deduct	*-4.56*	
		For >1,000, Deduct	*-6.09*	
		For 316 Stainless Steel, Add	*88.00*	
		For Aluminum, Add	*4.95*	
		For Galvanized Steel, Add	*17.05*	
		For High Strength Steel (HSS), Add	*8.84*	
05 12 23 00-0526	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	47.27	13.38
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.26*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000, Deduct	*-6.51*	
		For 316 Stainless Steel, Add	*94.14*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.24*	
		For High Strength Steel (HSS), Add	*9.45*	
05 12 23 00-0527	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	56.34	15.96
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.88*	
		For >500 To 1,000, Deduct	*-5.82*	
		For >1,000, Deduct	*-7.76*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
		For High Strength Steel (HSS), Add	*11.27*	
05 12 23 00-0528	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	56.34	15.96
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.88*	
		For >500 To 1,000, Deduct	*-5.82*	
		For >1,000, Deduct	*-7.76*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
		For High Strength Steel (HSS), Add	*11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	68.52	19.39
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.72*	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000, Deduct	*-9.44*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For Galvanized Steel, Add	*26.44*	
		For High Strength Steel (HSS), Add	*13.70*	
05 12 23 00-0530	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	62.55	17.71
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-6.46*	
		For >1,000, Deduct	*-8.62*	
		For 316 Stainless Steel, Add	*124.58*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.14*	
		For High Strength Steel (HSS), Add	*12.51*	
05 12 23 00-0531	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	68.52	19.39
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.72*	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000, Deduct	*-9.44*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For Galvanized Steel, Add	*26.44*	
		For High Strength Steel (HSS), Add	*13.70*	
05 12 23 00-0532	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	80.71	22.84
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-5.56*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-11.12*	
		For 316 Stainless Steel, Add	*160.77*	
		For Aluminum, Add	*9.04*	
		For Galvanized Steel, Add	*31.15*	
		For High Strength Steel (HSS), Add	*16.14*	
05 12 23 00-0533	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	92.87	26.29
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.40*	
		For >500 To 1,000, Deduct	*-9.59*	
		For >1,000, Deduct	*-12.79*	
		For 316 Stainless Steel, Add	*184.99*	
		For Aluminum, Add	*10.41*	
		For Galvanized Steel, Add	*35.84*	
		For High Strength Steel (HSS), Add	*18.57*	
05 12 23 00-0534		7/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0535	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	63.29	17.16
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-6.46*	
		For >1,000, Deduct	*-8.62*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For Galvanized Steel, Add	*25.05*	
		For High Strength Steel (HSS), Add	*12.66*	
05 12 23 00-0536	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	63.29	17.16
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.31*	
		For >500 To 1,000, Deduct	*-6.46*	
		For >1,000, Deduct	*-8.62*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For Galvanized Steel, Add	*25.05*	
		For High Strength Steel (HSS), Add	*12.66*	
05 12 23 00-0537	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	77.03	20.89
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-7.87*	
		For >1,000, Deduct	*-10.49*	
		For 316 Stainless Steel, Add	*157.41*	
		For Aluminum, Add	*8.85*	
		For Galvanized Steel, Add	*30.50*	
		For High Strength Steel (HSS), Add	*15.41*	
05 12 23 00-0538	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	91.00	24.67
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.19*	
		For >500 To 1,000, Deduct	*-9.29*	
		For >1,000, Deduct	*-12.39*	
		For 316 Stainless Steel, Add	*185.95*	
		For Aluminum, Add	*10.46*	
		For Galvanized Steel, Add	*36.03*	
		For High Strength Steel (HSS), Add	*18.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	104.71	28.39
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 500, Deduct	*-7.13*	
		For >500 To 1,000, Deduct	*-10.69*	
		For >1,000, Deduct	*-14.26*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For Galvanized Steel, Add	*41.45*	
		For High Strength Steel (HSS), Add	*20.94*	

05 12 23 00-0540 Bar Channel *(05 12 23 00-0422)*

05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel	5.41	
		For 304 Stainless Steel, Add	*4.62*	
		For 316 Stainless Steel, Add	*5.18*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*1.00*	
		For High Strength Steel (HSS), Add	*1.08*	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	6.06	
		For 304 Stainless Steel, Add	*5.53*	
		For 316 Stainless Steel, Add	*6.21*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.20*	
		For High Strength Steel (HSS), Add	*1.21*	
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.59	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.32*	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.56	
		For 304 Stainless Steel, Add	*6.36*	
		For 316 Stainless Steel, Add	*7.14*	
		For Aluminum, Add	*0.40*	
		For Galvanized Steel, Add	*1.38*	
		For High Strength Steel (HSS), Add	*1.51*	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel	8.07	
		For 304 Stainless Steel, Add	*7.81*	
		For 316 Stainless Steel, Add	*8.77*	
		For Aluminum, Add	*0.49*	
		For Galvanized Steel, Add	*1.70*	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel	10.68	
		For 304 Stainless Steel, Add	*8.72*	
		For 316 Stainless Steel, Add	*9.79*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	

05 12 23 00-0547 Channels - C *(05 12 23 00-0422)*

05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.87	4.70
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*7.41*	
		For 316 Stainless Steel, Add	*8.32*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.61*	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	15.10	6.76
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000, Deduct	*-2.41*	
		For 304 Stainless Steel, Add	*17.36*	
		For 316 Stainless Steel, Add	*19.49*	
		For Aluminum, Add	*1.10*	
		For Galvanized Steel, Add	*3.78*	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	18.42	8.24
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	22.10	9.89
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-3.53*	
		For 304 Stainless Steel, Add	*25.39*	
		For 316 Stainless Steel, Add	*28.51*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel	18.84	8.11
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-2.97*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel	25.29	10.89
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-3.98*	
		For 304 Stainless Steel, Add	*30.69*	
		For 316 Stainless Steel, Add	*34.46*	
		For Aluminum, Add	*1.94*	
		For Galvanized Steel, Add	*6.68*	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel	22.57	9.45
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*28.36*	
		For 316 Stainless Steel, Add	*31.84*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.17*	
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel	30.31	12.72
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.36*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000, Deduct	*-4.73*	
		For 304 Stainless Steel, Add	*38.10*	
		For 316 Stainless Steel, Add	*42.78*	
		For Aluminum, Add	*2.41*	
		For Galvanized Steel, Add	*8.29*	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel	27.32	11.35
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.12*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000, Deduct	*-4.25*	
		For 304 Stainless Steel, Add	*34.71*	
		For 316 Stainless Steel, Add	*38.98*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.55*	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel	34.98	14.54
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-5.44*	
		For 304 Stainless Steel, Add	*44.46*	
		For 316 Stainless Steel, Add	*49.92*	
		For Aluminum, Add	*2.81*	
		For Galvanized Steel, Add	*9.67*	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel	43.33	18.00
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.37*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 304 Stainless Steel, Add	*55.06*	
		For 316 Stainless Steel, Add	*61.82*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.98*	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel	32.58	13.52
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.53*	
		For >500 To 1,000, Deduct	*-3.80*	
		For >1,000, Deduct	*-5.06*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*46.59*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.03*	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel	40.73	16.90
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.16*	
		For >500 To 1,000, Deduct	*-4.74*	
		For >1,000, Deduct	*-6.33*	
		For 304 Stainless Steel, Add	*51.87*	
		For 316 Stainless Steel, Add	*58.24*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel	49.05	20.34
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.81*	
		For >500 To 1,000, Deduct	*-5.71*	
		For >1,000, Deduct	*-7.62*	
		For 304 Stainless Steel, Add	*62.47*	
		For 316 Stainless Steel, Add	*70.14*	
		For Aluminum, Add	*3.95*	
		For Galvanized Steel, Add	*13.59*	
05 12 23 00-0562	LF	C8 x 11.5 - 8" Wide Channel	36.92	14.87
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.84*	
		For >500 To 1,000, Deduct	*-4.26*	
		For >1,000, Deduct	*-5.68*	
		For 304 Stainless Steel, Add	*48.71*	
		For 316 Stainless Steel, Add	*54.69*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.60*	
05 12 23 00-0563	LF	C8 x 13.75 - 8" Wide Channel	44.14	17.79
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.39*	
		For >500 To 1,000, Deduct	*-5.09*	
		For >1,000, Deduct	*-6.79*	
		For 304 Stainless Steel, Add	*58.23*	
		For 316 Stainless Steel, Add	*65.38*	
		For Aluminum, Add	*3.68*	
		For Galvanized Steel, Add	*12.67*	
05 12 23 00-0564	LF	C8 x 18.75 - 8" Wide Channel	60.18	24.25
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-4.63*	
		For >500 To 1,000, Deduct	*-6.94*	
		For >1,000, Deduct	*-9.25*	
		For 304 Stainless Steel, Add	*79.40*	
		For 316 Stainless Steel, Add	*89.15*	
		For Aluminum, Add	*5.01*	
		For Galvanized Steel, Add	*17.27*	
05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel	43.02	17.32
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.31*	
		For >500 To 1,000, Deduct	*-4.96*	
		For >1,000, Deduct	*-6.61*	
		For 304 Stainless Steel, Add	*56.74*	
		For 316 Stainless Steel, Add	*63.71*	
		For Aluminum, Add	*3.58*	
		For Galvanized Steel, Add	*12.34*	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel	48.15	19.39
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.70*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000, Deduct	*-7.40*	
		For 304 Stainless Steel, Add	*63.53*	
		For 316 Stainless Steel, Add	*71.33*	
		For Aluminum, Add	*4.01*	
		For Galvanized Steel, Add	*13.82*	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel	64.21	25.86
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-4.94*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-9.87*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel	49.10	19.78
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000, Deduct	*-7.55*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel	64.21	25.86
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-4.94*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-9.87*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel	80.24	32.32
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.17*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-12.33*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel	96.29	38.79
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-7.40*	
		For >500 To 1,000, Deduct	*-11.10*	
		For >1,000, Deduct	*-14.80*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel	66.45	26.77
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-5.11*	
		For >500 To 1,000, Deduct	*-7.66*	
		For >1,000, Deduct	*-10.21*	
		For 304 Stainless Steel, Add	*87.67*	
		For 316 Stainless Steel, Add	*98.43*	
		For Aluminum, Add	*5.54*	
		For Galvanized Steel, Add	*19.07*	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel	80.24	32.32
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.17*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-12.33*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel	96.29	38.79
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-7.40*	
		For >500 To 1,000, Deduct	*-11.10*	
		For >1,000, Deduct	*-14.80*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel	108.82	43.84
		For >100 To 250, Deduct	*-5.64*	
		For >250 To 500, Deduct	*-8.36*	
		For >500 To 1,000, Deduct	*-12.55*	
		For >1,000, Deduct	*-16.73*	
		For 304 Stainless Steel, Add	*143.55*	
		For 316 Stainless Steel, Add	*161.18*	
		For Aluminum, Add	*9.07*	
		For Galvanized Steel, Add	*31.23*	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel	128.39	51.72
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-9.87*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.74*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel	160.49	64.65
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.33*	
		For >500 To 1,000, Deduct	*-18.50*	
		For >1,000, Deduct	*-24.67*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	

05 12 23 00-0578 Miscellaneous Channels - MC *(05 12 23 00-0422)*

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel	39.99	16.62
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.11*	
		For >500 To 1,000, Deduct	*-4.66*	
		For >1,000, Deduct	*-6.22*	
		For 304 Stainless Steel, Add	*50.82*	
		For 316 Stainless Steel, Add	*57.06*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel	50.32	20.91
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-5.87*	
		For >1,000, Deduct	*-7.82*	
		For 304 Stainless Steel, Add	*63.95*	
		For 316 Stainless Steel, Add	*71.81*	
		For Aluminum, Add	*4.04*	
		For Galvanized Steel, Add	*13.91*	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel	50.98	21.18
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-3.96*	
		For >500 To 1,000, Deduct	*-5.94*	
		For >1,000, Deduct	*-7.92*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
05 12 23 00-0582	LF	MC6 x 16.3 - 6" Wide Channel	54.32	22.57
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.22*	
		For >500 To 1,000, Deduct	*-6.33*	
		For >1,000, Deduct	*-8.44*	
		For 304 Stainless Steel, Add	*69.03*	
		For 316 Stainless Steel, Add	*77.50*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.02*	
05 12 23 00-0583	LF	MC6 x 18 - 6" Wide Channel	59.97	24.92
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.66*	
		For >500 To 1,000, Deduct	*-6.99*	
		For >1,000, Deduct	*-9.32*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0584	LF	MC7 x 17.6 - 7" Wide Channel	58.52	24.28
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-4.54*	
		For >500 To 1,000, Deduct	*-6.82*	
		For >1,000, Deduct	*-9.09*	
		For 304 Stainless Steel, Add	*74.53*	
		For 316 Stainless Steel, Add	*83.68*	
		For Aluminum, Add	*4.71*	
		For Galvanized Steel, Add	*16.21*	
05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel	63.51	26.35
		For >100 To 250, Deduct	*-3.34*	
		For >250 To 500, Deduct	*-4.93*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-9.86*	
		For 304 Stainless Steel, Add	*80.88*	
		For 316 Stainless Steel, Add	*90.82*	
		For Aluminum, Add	*5.11*	
		For Galvanized Steel, Add	*17.60*	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel	75.49	31.31
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 500, Deduct	*-5.86*	
		For >500 To 1,000, Deduct	*-8.79*	
		For >1,000, Deduct	*-11.73*	
		For 304 Stainless Steel, Add	*96.13*	
		For 316 Stainless Steel, Add	*107.94*	
		For Aluminum, Add	*6.07*	
		For Galvanized Steel, Add	*20.91*	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel	27.29	10.99
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*36.00*	
		For 316 Stainless Steel, Add	*40.42*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.83*	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel	60.02	24.17
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.61*	
		For >500 To 1,000, Deduct	*-6.92*	
		For >1,000, Deduct	*-9.23*	
		For 304 Stainless Steel, Add	*79.17*	
		For 316 Stainless Steel, Add	*88.90*	
		For Aluminum, Add	*5.00*	
		For Galvanized Steel, Add	*17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel	64.21	25.86
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-4.94*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-9.87*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel	68.70	27.68
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-5.28*	
		For >500 To 1,000, Deduct	*-7.92*	
		For >1,000, Deduct	*-10.56*	
		For 304 Stainless Steel, Add	*90.63*	
		For 316 Stainless Steel, Add	*101.76*	
		For Aluminum, Add	*5.72*	
		For Galvanized Steel, Add	*19.72*	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel	73.18	29.49
		For >100 To 250, Deduct	*-3.79*	
		For >250 To 500, Deduct	*-5.62*	
		For >500 To 1,000, Deduct	*-8.44*	
		For >1,000, Deduct	*-11.25*	
		For 304 Stainless Steel, Add	*96.56*	
		For 316 Stainless Steel, Add	*108.42*	
		For Aluminum, Add	*6.10*	
		For Galvanized Steel, Add	*21.01*	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel	76.71	30.91
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 500, Deduct	*-5.90*	
		For >500 To 1,000, Deduct	*-8.84*	
		For >1,000, Deduct	*-11.79*	
		For 304 Stainless Steel, Add	*101.20*	
		For 316 Stainless Steel, Add	*113.63*	
		For Aluminum, Add	*6.39*	
		For Galvanized Steel, Add	*22.02*	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel	81.53	32.84
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-6.27*	
		For >500 To 1,000, Deduct	*-9.40*	
		For >1,000, Deduct	*-12.53*	
		For 304 Stainless Steel, Add	*107.56*	
		For 316 Stainless Steel, Add	*120.77*	
		For Aluminum, Add	*6.79*	
		For Galvanized Steel, Add	*23.40*	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel	20.87	8.40
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.21*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel	26.96	10.86
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-4.14*	
		For 304 Stainless Steel, Add	*35.57*	
		For 316 Stainless Steel, Add	*39.94*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.74*	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel	70.30	28.32
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-5.40*	
		For >500 To 1,000, Deduct	*-8.10*	
		For >1,000, Deduct	*-10.81*	
		For 304 Stainless Steel, Add	*92.74*	
		For 316 Stainless Steel, Add	*104.13*	
		For Aluminum, Add	*5.86*	
		For Galvanized Steel, Add	*20.17*	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel	79.93	32.20
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.21*	
		For >1,000, Deduct	*-12.29*	
		For 304 Stainless Steel, Add	*105.45*	
		For 316 Stainless Steel, Add	*118.40*	
		For Aluminum, Add	*6.66*	
		For Galvanized Steel, Add	*22.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel	81.21	32.72
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-6.24*	
		For >500 To 1,000, Deduct	*-9.36*	
		For >1,000, Deduct	*-12.48*	
		For 304 Stainless Steel, Add	*107.13*	
		For 316 Stainless Steel, Add	*120.29*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.31*	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel	90.85	36.59
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-6.98*	
		For >500 To 1,000, Deduct	*-10.47*	
		For >1,000, Deduct	*-13.97*	
		For 304 Stainless Steel, Add	*119.84*	
		For 316 Stainless Steel, Add	*134.56*	
		For Aluminum, Add	*7.57*	
		For Galvanized Steel, Add	*26.07*	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel	91.47	36.85
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-10.55*	
		For >1,000, Deduct	*-14.06*	
		For 304 Stainless Steel, Add	*120.67*	
		For 316 Stainless Steel, Add	*135.49*	
		For Aluminum, Add	*7.62*	
		For Galvanized Steel, Add	*26.25*	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel	107.85	43.46
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.29*	
		For >500 To 1,000, Deduct	*-12.43*	
		For >1,000, Deduct	*-16.58*	
		For 304 Stainless Steel, Add	*142.27*	
		For 316 Stainless Steel, Add	*159.74*	
		For Aluminum, Add	*8.99*	
		For Galvanized Steel, Add	*30.95*	
05 12 23 00-0602	LF	MC10 x 41.1 - 10" Wide Channel	131.93	53.15
		For >100 To 250, Deduct	*-6.84*	
		For >250 To 500, Deduct	*-10.14*	
		For >500 To 1,000, Deduct	*-15.21*	
		For >1,000, Deduct	*-20.28*	
		For 304 Stainless Steel, Add	*174.05*	
		For 316 Stainless Steel, Add	*195.42*	
		For Aluminum, Add	*10.99*	
		For Galvanized Steel, Add	*37.86*	
05 12 23 00-0603	LF	MC12 x 30.9 - 12" Wide Channel	99.19	39.95
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-7.62*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-15.25*	
		For 304 Stainless Steel, Add	*130.84*	
		For 316 Stainless Steel, Add	*146.91*	
		For Aluminum, Add	*8.26*	
		For Galvanized Steel, Add	*28.46*	
05 12 23 00-0604	LF	MC12 x 32.9 - 12" Wide Channel	105.61	42.54
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.12*	
		For >500 To 1,000, Deduct	*-12.18*	
		For >1,000, Deduct	*-16.23*	
		For 304 Stainless Steel, Add	*139.31*	
		For 316 Stainless Steel, Add	*156.42*	
		For Aluminum, Add	*8.80*	
		For Galvanized Steel, Add	*30.31*	
05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel	112.35	45.25
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-8.64*	
		For >500 To 1,000, Deduct	*-12.95*	
		For >1,000, Deduct	*-17.27*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel	118.77	47.85
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.13*	
		For >500 To 1,000, Deduct	*-13.69*	
		For >1,000, Deduct	*-18.26*	
		For 304 Stainless Steel, Add	*156.66*	
		For 316 Stainless Steel, Add	*175.90*	
		For Aluminum, Add	*9.89*	
		For Galvanized Steel, Add	*34.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel	128.39	51.72
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-9.87*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.74*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel	144.45	58.19
		For >100 To 250, Deduct	*-7.49*	
		For >250 To 500, Deduct	*-11.10*	
		For >500 To 1,000, Deduct	*-16.65*	
		For >1,000, Deduct	*-22.20*	
		For 304 Stainless Steel, Add	*190.55*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For Galvanized Steel, Add	*41.45*	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel	160.49	64.66
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.33*	
		For >500 To 1,000, Deduct	*-18.50*	
		For >1,000, Deduct	*-24.67*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel	102.08	41.12
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-7.85*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000, Deduct	*-15.69*	
		For 304 Stainless Steel, Add	*134.66*	
		For 316 Stainless Steel, Add	*151.20*	
		For Aluminum, Add	*8.51*	
		For Galvanized Steel, Add	*29.30*	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel	112.35	45.25
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-8.64*	
		For >500 To 1,000, Deduct	*-12.95*	
		For >1,000, Deduct	*-17.27*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel	128.39	51.72
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-9.87*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.74*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel	160.49	64.66
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.33*	
		For >500 To 1,000, Deduct	*-18.50*	
		For >1,000, Deduct	*-24.67*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel	137.07	55.21
		For >100 To 250, Deduct	*-7.11*	
		For >250 To 500, Deduct	*-10.54*	
		For >500 To 1,000, Deduct	*-15.80*	
		For >1,000, Deduct	*-21.07*	
		For 304 Stainless Steel, Add	*180.80*	
		For 316 Stainless Steel, Add	*203.01*	
		For Aluminum, Add	*11.42*	
		For Galvanized Steel, Add	*39.33*	
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel	147.01	59.23
		For >100 To 250, Deduct	*-7.62*	
		For >250 To 500, Deduct	*-11.30*	
		For >500 To 1,000, Deduct	*-16.95*	
		For >1,000, Deduct	*-22.60*	
		For 304 Stainless Steel, Add	*193.94*	
		For 316 Stainless Steel, Add	*217.76*	
		For Aluminum, Add	*12.25*	
		For Galvanized Steel, Add	*42.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel	166.60	67.11
		For >100 To 250, Deduct	*-8.64*	
		For >250 To 500, Deduct	*-12.80*	
		For >500 To 1,000, Deduct	*-19.21*	
		For >1,000, Deduct	*-25.61*	
		For 304 Stainless Steel, Add	*219.76*	
		For 316 Stainless Steel, Add	*246.75*	
		For Aluminum, Add	*13.88*	
		For Galvanized Steel, Add	*47.81*	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel	186.18	74.99
		For >100 To 250, Deduct	*-9.65*	
		For >250 To 500, Deduct	*-14.31*	
		For >500 To 1,000, Deduct	*-21.46*	
		For >1,000, Deduct	*-28.62*	
		For 304 Stainless Steel, Add	*245.61*	
		For 316 Stainless Steel, Add	*275.78*	
		For Aluminum, Add	*15.51*	
		For Galvanized Steel, Add	*53.43*	

05 12 23 00-0618 Structural Bar Tees *(05 12 23 00-0422)*

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.79	3.44
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*3.42*	
		For 316 Stainless Steel, Add	*3.84*	
		For Aluminum, Add	*0.22*	
		For Galvanized Steel, Add	*0.74*	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	7.05	4.05
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.25*	
		For 304 Stainless Steel, Add	*4.70*	
		For 316 Stainless Steel, Add	*5.28*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.95	4.69
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.72*	
		For 304 Stainless Steel, Add	*13.42*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	15.19	6.13
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.34*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	22.46	7.39
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.23*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	27.74	9.46
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-4.04*	
		For 304 Stainless Steel, Add	*43.09*	
		For 316 Stainless Steel, Add	*48.38*	
		For Aluminum, Add	*2.72*	
		For Galvanized Steel, Add	*9.37*	

05 12 23 00-0625 Structural Zees *(05 12 23 00-0422)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	13.26	4.69
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.95*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	24.25	5.59
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.17*	
		For 304 Stainless Steel, Add	*47.91*	
		For 316 Stainless Steel, Add	*53.79*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.42*	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	28.98	6.31
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.74*	
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
		For Galvanized Steel, Add	*12.75*	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	38.72	7.21
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*82.94*	
		For 316 Stainless Steel, Add	*93.12*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.04*	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	49.83	7.84
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-6.03*	
		For 304 Stainless Steel, Add	*112.23*	
		For 316 Stainless Steel, Add	*126.02*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.42*	

05 12 23 00-0631 Junior I-Beams *(05 12 23 00-0422)*

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	18.27	6.76
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.36*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.73*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	20.08	7.39
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.50*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000, Deduct	*-2.99*	
		For 304 Stainless Steel, Add	*29.13*	
		For 316 Stainless Steel, Add	*32.70*	
		For Aluminum, Add	*1.84*	
		For Galvanized Steel, Add	*6.34*	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	22.94	8.11
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.38*	
		For 304 Stainless Steel, Add	*34.57*	
		For 316 Stainless Steel, Add	*38.82*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.52*	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	25.83	8.83
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-3.76*	
		For 304 Stainless Steel, Add	*40.04*	
		For 316 Stainless Steel, Add	*44.96*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	30.18	9.46
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.28*	
		For 304 Stainless Steel, Add	*50.05*	
		For 316 Stainless Steel, Add	*56.19*	
		For Aluminum, Add	*3.16*	
		For Galvanized Steel, Add	*10.89*	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	34.21	10.09
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000, Deduct	*-4.77*	
		For 304 Stainless Steel, Add	*59.14*	
		For 316 Stainless Steel, Add	*66.40*	
		For Aluminum, Add	*3.74*	
		For Galvanized Steel, Add	*12.87*	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	44.11	11.54
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.46*	
		For >1,000, Deduct	*-5.95*	
		For 304 Stainless Steel, Add	*81.88*	
		For 316 Stainless Steel, Add	*91.94*	
		For Aluminum, Add	*5.17*	
		For Galvanized Steel, Add	*17.81*	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	55.93	13.70
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-3.71*	
		For >500 To 1,000, Deduct	*-5.56*	
		For >1,000, Deduct	*-7.42*	
		For 304 Stainless Steel, Add	*107.36*	
		For 316 Stainless Steel, Add	*120.54*	
		For Aluminum, Add	*6.78*	
		For Galvanized Steel, Add	*23.36*	

05 12 23 00-0640 Round Stock *(05 12 23 00-0422)*

05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.60	
		For 304 Stainless Steel, Add	*3.99*	
		For 316 Stainless Steel, Add	*4.48*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.87*	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	4.11	
		For 304 Stainless Steel, Add	*7.84*	
		For 316 Stainless Steel, Add	*8.80*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.71*	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	5.70	
		For 304 Stainless Steel, Add	*11.94*	
		For 316 Stainless Steel, Add	*13.41*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.60*	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	8.65	
		For 304 Stainless Steel, Add	*19.89*	
		For 316 Stainless Steel, Add	*22.34*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.33*	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	10.29	
		For 304 Stainless Steel, Add	*23.63*	
		For 316 Stainless Steel, Add	*26.53*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.14*	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	12.00	
		For 304 Stainless Steel, Add	*27.62*	
		For 316 Stainless Steel, Add	*31.01*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*6.01*	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	17.49	
		For 304 Stainless Steel, Add	*42.07*	
		For 316 Stainless Steel, Add	*47.23*	
		For Aluminum, Add	*2.66*	
		For Galvanized Steel, Add	*9.15*	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	21.26	
		For 304 Stainless Steel, Add	*51.10*	
		For 316 Stainless Steel, Add	*57.38*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.12*	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	25.40	
		For 304 Stainless Steel, Add	*60.16*	
		For 316 Stainless Steel, Add	*67.55*	
		For Aluminum, Add	*3.80*	
		For Galvanized Steel, Add	*13.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	30.77	
		For 304 Stainless Steel, Add	*73.42*	
		For 316 Stainless Steel, Add	*82.43*	
		For Aluminum, Add	*4.64*	
		For Galvanized Steel, Add	*15.97*	
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	34.27	
		For 304 Stainless Steel, Add	*80.54*	
		For 316 Stainless Steel, Add	*90.43*	
		For Aluminum, Add	*5.09*	
		For Galvanized Steel, Add	*17.52*	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	39.54	
		For 304 Stainless Steel, Add	*91.26*	
		For 316 Stainless Steel, Add	*102.46*	
		For Aluminum, Add	*5.76*	
		For Galvanized Steel, Add	*19.85*	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	47.27	
		For 304 Stainless Steel, Add	*106.19*	
		For 316 Stainless Steel, Add	*119.23*	
		For Aluminum, Add	*6.71*	
		For Galvanized Steel, Add	*23.10*	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	56.87	
		For 304 Stainless Steel, Add	*124.40*	
		For 316 Stainless Steel, Add	*139.68*	
		For Aluminum, Add	*7.86*	
		For Galvanized Steel, Add	*27.06*	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	64.93	
		For 304 Stainless Steel, Add	*138.40*	
		For 316 Stainless Steel, Add	*155.39*	
		For Aluminum, Add	*8.74*	
		For Galvanized Steel, Add	*30.11*	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	75.79	
		For 304 Stainless Steel, Add	*158.03*	
		For 316 Stainless Steel, Add	*177.44*	
		For Aluminum, Add	*9.98*	
		For Galvanized Steel, Add	*34.38*	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	85.73	
		For 304 Stainless Steel, Add	*177.70*	
		For 316 Stainless Steel, Add	*199.52*	
		For Aluminum, Add	*11.22*	
		For Galvanized Steel, Add	*38.66*	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	98.19	
		For 304 Stainless Steel, Add	*203.23*	
		For 316 Stainless Steel, Add	*228.19*	
		For Aluminum, Add	*12.84*	
		For Galvanized Steel, Add	*44.21*	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	108.42	
		For 304 Stainless Steel, Add	*219.05*	
		For 316 Stainless Steel, Add	*245.95*	
		For Aluminum, Add	*13.83*	
		For Galvanized Steel, Add	*47.65*	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	132.69	
		For 304 Stainless Steel, Add	*278.22*	
		For 316 Stainless Steel, Add	*312.38*	
		For Aluminum, Add	*17.57*	
		For Galvanized Steel, Add	*60.52*	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	151.08	
		For 304 Stainless Steel, Add	*317.29*	
		For 316 Stainless Steel, Add	*356.26*	
		For Aluminum, Add	*20.04*	
		For Galvanized Steel, Add	*69.02*	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108	168.49	
		For 304 Stainless Steel, Add	*353.57*	
		For 316 Stainless Steel, Add	*396.99*	
		For Aluminum, Add	*22.33*	
		For Galvanized Steel, Add	*76.92*	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	176.89	
		For 304 Stainless Steel, Add	*364.17*	
		For 316 Stainless Steel, Add	*408.90*	
		For Aluminum, Add	*23.00*	
		For Galvanized Steel, Add	*79.22*	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	184.40	
		For 304 Stainless Steel, Add	*372.27*	
		For 316 Stainless Steel, Add	*417.98*	
		For Aluminum, Add	*23.51*	
		For Galvanized Steel, Add	*80.98*	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	194.41	
		For 304 Stainless Steel, Add	*387.46*	
		For 316 Stainless Steel, Add	*435.04*	
		For Aluminum, Add	*24.47*	
		For Galvanized Steel, Add	*84.29*	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	236.79	
		For 304 Stainless Steel, Add	*491.60*	
		For 316 Stainless Steel, Add	*551.97*	
		For Aluminum, Add	*31.05*	
		For Galvanized Steel, Add	*106.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	263.11	
		For 304 Stainless Steel, Add	*549.94*	
		For 316 Stainless Steel, Add	*617.47*	
		For Aluminum, Add	*34.73*	
		For Galvanized Steel, Add	*119.64*	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	282.40	
		For 304 Stainless Steel, Add	*588.27*	
		For 316 Stainless Steel, Add	*660.51*	
		For Aluminum, Add	*37.15*	
		For Galvanized Steel, Add	*127.97*	
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	316.85	
		For 304 Stainless Steel, Add	*669.78*	
		For 316 Stainless Steel, Add	*752.03*	
		For Aluminum, Add	*42.30*	
		For Galvanized Steel, Add	*145.71*	

05 12 23 00-0670 Square Stock *(05 12 23 00-0422)*

05 12 23 00-0671	LF	3/8" Square Bar Stock	2.07	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.76	
		For 304 Stainless Steel, Add	*3.56*	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.63	
		For 304 Stainless Steel, Add	*5.59*	
		For 316 Stainless Steel, Add	*6.27*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.22*	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.83	
		For 304 Stainless Steel, Add	*8.07*	
		For 316 Stainless Steel, Add	*9.06*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
05 12 23 00-0675	LF	7/8" Square Bar Stock	6.26	
		For 304 Stainless Steel, Add	*11.26*	
		For 316 Stainless Steel, Add	*12.64*	
		For Aluminum, Add	*0.71*	
		For Galvanized Steel, Add	*2.45*	
05 12 23 00-0676	LF	1" Square Bar Stock	7.77	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.12*	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	12.16	
		For 304 Stainless Steel, Add	*22.43*	
		For 316 Stainless Steel, Add	*25.18*	
		For Aluminum, Add	*1.42*	
		For Galvanized Steel, Add	*4.88*	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	17.34	
		For 304 Stainless Steel, Add	*32.29*	
		For 316 Stainless Steel, Add	*36.26*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.02*	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	25.77	
		For 304 Stainless Steel, Add	*44.92*	
		For 316 Stainless Steel, Add	*50.43*	
		For Aluminum, Add	*2.84*	
		For Galvanized Steel, Add	*9.77*	
05 12 23 00-0680	LF	2" Square Bar Stock	36.98	
		For 304 Stainless Steel, Add	*57.46*	
		For 316 Stainless Steel, Add	*64.51*	
		For Aluminum, Add	*3.63*	
		For Galvanized Steel, Add	*12.50*	

05 12 23 00-0681 Steel Tubing *(05 12 23 00-0422)*

Note: General purpose low-carbon steel.

05 12 23 00-0682 Square Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0683 0.06" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0684	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.71	0.65
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.36*	
		For 304 Stainless Steel, Add	*5.27*	
		For 316 Stainless Steel, Add	*5.92*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	4.17	1.02
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.55*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
05 12 23 00-0686	LF	1" x 1" x 0.06" Square Steel Tubing	5.62	1.85
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*10.74*	
		For 316 Stainless Steel, Add	*12.06*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.34*	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	7.41	1.75
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*14.48*	
		For 316 Stainless Steel, Add	*16.26*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.15*	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.80	2.12
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*17.01*	
		For 316 Stainless Steel, Add	*19.10*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.70*	

05 12 23 00-0689 0.083" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0690	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.86	1.19
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.65*	
		For 304 Stainless Steel, Add	*9.32*	
		For 316 Stainless Steel, Add	*10.46*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.03*	
05 12 23 00-0691	LF	1" x 1" x 0.083" Square Steel Tubing	7.08	1.64
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.93*	
		For 304 Stainless Steel, Add	*13.97*	
		For 316 Stainless Steel, Add	*15.68*	
		For Aluminum, Add	*0.88*	
		For Galvanized Steel, Add	*3.04*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.55	2.08
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.13*	
		For 304 Stainless Steel, Add	*16.47*	
		For 316 Stainless Steel, Add	*18.50*	
		For Aluminum, Add	*1.04*	
		For Galvanized Steel, Add	*3.58*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	10.33	2.53
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*19.86*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
05 12 23 00-0694	LF	2" x 2" x 0.083" Square Steel Tubing	13.26	3.36
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*25.02*	
		For 316 Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0695		**0.12" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing	7.82	1.94
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*14.88*	
		For 316 Stainless Steel, Add	*16.70*	
		For Aluminum, Add	*0.94*	
		For Galvanized Steel, Add	*3.24*	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	10.05	2.49
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.34*	
		For 304 Stainless Steel, Add	*19.18*	
		For 316 Stainless Steel, Add	*21.54*	
		For Aluminum, Add	*1.21*	
		For Galvanized Steel, Add	*4.17*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	12.34	3.05
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.64*	
		For 304 Stainless Steel, Add	*23.60*	
		For 316 Stainless Steel, Add	*26.50*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.13*	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing	16.72	4.15
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.23*	
		For 304 Stainless Steel, Add	*31.86*	
		For 316 Stainless Steel, Add	*35.78*	
		For Aluminum, Add	*2.01*	
		For Galvanized Steel, Add	*6.93*	
05 12 23 00-0700		**1/8" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing	15.07	4.31
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.08*	
		For 304 Stainless Steel, Add	*26.56*	
		For 316 Stainless Steel, Add	*29.82*	
		For Aluminum, Add	*1.68*	
		For Galvanized Steel, Add	*5.78*	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	19.87	5.46
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.36*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.72*	
		For 304 Stainless Steel, Add	*35.88*	
		For 316 Stainless Steel, Add	*40.29*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing	23.29	6.62
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.21*	
		For 304 Stainless Steel, Add	*41.24*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	26.99	7.77
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.73*	
		For 304 Stainless Steel, Add	*47.42*	
		For 316 Stainless Steel, Add	*53.25*	
		For Aluminum, Add	*3.00*	
		For Galvanized Steel, Add	*10.32*	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing	29.76	8.91
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000, Deduct	*-4.17*	
		For 304 Stainless Steel, Add	*50.93*	
		For 316 Stainless Steel, Add	*57.18*	
		For Aluminum, Add	*3.22*	
		For Galvanized Steel, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706		3/16" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0707	LF	2" x 2" x 3/16" Square Steel Tubing	17.09	4.87
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*30.21*	
		For 316 Stainless Steel, Add	*33.92*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.57*	
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	22.11	6.29
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
		For Galvanized Steel, Add	*8.51*	
05 12 23 00-0709	LF	3" x 3" x 3/16" Square Steel Tubing	27.18	7.74
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.45*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	32.25	9.18
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.45*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	37.27	10.62
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.14*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	42.34	12.05
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.84*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	47.36	13.49
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.27*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000, Deduct	*-6.53*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	
		For Galvanized Steel, Add	*18.22*	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	57.50	16.36
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-3.97*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000, Deduct	*-7.93*	
		For 304 Stainless Steel, Add	*101.66*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
		For Galvanized Steel, Add	*22.12*	
05 12 23 00-0715		1/4" Wall Thickness *(05 12 23 00-0682)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	18.23	4.88
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*33.40*	
		For 316 Stainless Steel, Add	*37.50*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	23.95	6.40
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000, Deduct	*-3.25*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.55*	
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	29.68	7.94
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.03*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
		For Galvanized Steel, Add	*11.84*	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	35.40	9.48
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-4.80*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	41.12	11.00
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.79*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.58*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	46.86	12.54
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.18*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.36*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0722	LF	5" x 5" x 1/4" Square Steel Tubing	52.61	14.08
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.35*	
		For >1,000, Deduct	*-7.14*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	
		For Galvanized Steel, Add	*20.98*	
05 12 23 00-0723	LF	6" x 6" x 1/4" Square Steel Tubing	64.07	17.14
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.35*	
		For >500 To 1,000, Deduct	*-6.52*	
		For >1,000, Deduct	*-8.69*	
		For 304 Stainless Steel, Add	*117.45*	
		For 316 Stainless Steel, Add	*131.87*	
		For Aluminum, Add	*7.42*	
		For Galvanized Steel, Add	*25.55*	

05 12 23 00-0724 Rectangular Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0725 3/16" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0726	LF	3" x 2" x 3/16" Square Steel Tubing	22.11	6.29
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
		For Galvanized Steel, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	27.18	7.74
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.45*	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	32.25	9.18
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.45*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	32.25	9.18
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.45*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	37.27	10.62
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.14*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	42.34	12.05
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.84*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	37.27	10.62
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.14*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	42.34	12.05
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.84*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	47.36	13.49
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.27*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000, Deduct	*-6.53*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	
		For Galvanized Steel, Add	*18.22*	

05 12 23 00-0735 1/4" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	23.95	6.40
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.63*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000, Deduct	*-3.25*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing	29.68	7.94
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.03*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
		For Galvanized Steel, Add	*11.84*	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing	35.40	9.48
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-4.80*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0739	LF	5" x 2" x 1/4" Square Steel Tubing	35.40	9.48
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-4.80*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0740	LF	5" x 3" x 1/4" Square Steel Tubing	41.12	11.00
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.79*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.58*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0741	LF	5" x 4" x 1/4" Square Steel Tubing	46.86	12.54
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.18*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.36*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0742	LF	6" x 2" x 1/4" Square Steel Tubing	41.12	11.00
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.79*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.58*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0743	LF	6" x 3" x 1/4" Square Steel Tubing	46.86	12.54
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.18*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.36*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0744	LF	6" x 4" x 1/4" Square Steel Tubing	52.61	14.08
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.35*	
		For >1,000, Deduct	*-7.14*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	
		For Galvanized Steel, Add	*20.98*	

05 12 23 00-0745 Round Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0746 0.065" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0747	LF	1" Diameter x 0.065" Round Steel Tubing	4.85	1.17
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.64*	
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	6.16	1.48
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*11.91*	
		For 316 Stainless Steel, Add	*13.38*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.59*	
05 12 23 00-0749	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	7.45	1.80
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*14.42*	
		For 316 Stainless Steel, Add	*16.19*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.14*	
05 12 23 00-0750	LF	2" Diameter x 0.065" Round Steel Tubing	10.05	2.42
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.33*	
		For 304 Stainless Steel, Add	*19.44*	
		For 316 Stainless Steel, Add	*21.82*	
		For Aluminum, Add	*1.23*	
		For Galvanized Steel, Add	*4.23*	
05 12 23 00-0751	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	12.64	3.05
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*24.45*	
		For 316 Stainless Steel, Add	*27.46*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.32*	
05 12 23 00-0752	LF	3" Diameter x 0.065" Round Steel Tubing	15.24	3.67
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.01*	
		For 304 Stainless Steel, Add	*29.47*	
		For 316 Stainless Steel, Add	*33.09*	
		For Aluminum, Add	*1.86*	
		For Galvanized Steel, Add	*6.41*	
05 12 23 00-0753	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	17.83	4.30
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*34.49*	
		For 316 Stainless Steel, Add	*38.72*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.50*	
05 12 23 00-0754	LF	4" Diameter x 0.065" Round Steel Tubing	20.44	4.93
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.70*	
		For 304 Stainless Steel, Add	*39.53*	
		For 316 Stainless Steel, Add	*44.38*	
		For Aluminum, Add	*2.50*	
		For Galvanized Steel, Add	*8.60*	

05 12 23 00-0755 0.083" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0756	LF	1" Diameter x 0.083" Round Steel Tubing	5.27	1.28
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*10.15*	
		For 316 Stainless Steel, Add	*11.39*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
05 12 23 00-0757	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	6.71	1.64
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.89*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.53*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	8.15	1.98
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.08*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	11.03	2.68
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000, Deduct	*-1.46*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.62*	
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.91	3.38
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.84*	
		For 304 Stainless Steel, Add	*26.79*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
		For Galvanized Steel, Add	*5.83*	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	16.77	4.08
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	19.65	4.78
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*37.85*	
		For 316 Stainless Steel, Add	*42.50*	
		For Aluminum, Add	*2.39*	
		For Galvanized Steel, Add	*8.23*	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	22.52	5.47
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.98*	
		For 304 Stainless Steel, Add	*43.38*	
		For 316 Stainless Steel, Add	*48.70*	
		For Aluminum, Add	*2.74*	
		For Galvanized Steel, Add	*9.44*	

05 12 23 00-0764 0.125" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.83	3.38
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.64*	
		For 304 Stainless Steel, Add	*20.83*	
		For 316 Stainless Steel, Add	*23.39*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.53*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.98	4.28
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.07*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	18.13	5.19
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.51*	
		For 304 Stainless Steel, Add	*31.95*	
		For 316 Stainless Steel, Add	*35.87*	
		For Aluminum, Add	*2.02*	
		For Galvanized Steel, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	21.28	6.09
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*37.51*	
		For 316 Stainless Steel, Add	*42.11*	
		For Aluminum, Add	*2.37*	
		For Galvanized Steel, Add	*8.16*	
05 12 23 00-0769	LF	4" Diameter x 0.125" Round Steel Tubing	24.43	6.99
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.38*	
		For 304 Stainless Steel, Add	*43.06*	
		For 316 Stainless Steel, Add	*48.35*	
		For Aluminum, Add	*2.72*	
		For Galvanized Steel, Add	*9.37*	

05 12 23 00-0770 Flat Steel Bar *(05 12 23 00-0422)*

05 12 23 00-0771 1/8" Thick *(05 12 23 00-0770)*

05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.62	1.69
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.60	2.53
		For 304 Stainless Steel, Add	*5.16*	
		For 316 Stainless Steel, Add	*5.79*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.12*	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.62	3.56
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	11.69	4.83
		For 304 Stainless Steel, Add	*12.68*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.76*	

05 12 23 00-0776 3/16" Thick *(05 12 23 00-0770)*

05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.79	2.09
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.57	3.13
		For 304 Stainless Steel, Add	*8.15*	
		For 316 Stainless Steel, Add	*9.15*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.77*	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	10.23	3.61
		For 304 Stainless Steel, Add	*13.77*	
		For 316 Stainless Steel, Add	*15.46*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*2.99*	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	14.17	5.00
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*21.34*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.14*	

05 12 23 00-0781 1/4" Thick *(05 12 23 00-0770)*

05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.95	2.21
		For 304 Stainless Steel, Add	*4.67*	
		For 316 Stainless Steel, Add	*5.25*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	8.28	3.31
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	12.10	3.79
		For 304 Stainless Steel, Add	*18.27*	
		For 316 Stainless Steel, Add	*20.51*	
		For Aluminum, Add	*1.15*	
		For Galvanized Steel, Add	*3.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	17.50	5.60
		For 304 Stainless Steel, Add	*25.91*	
		For 316 Stainless Steel, Add	*29.09*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
05 12 23 00-0786		**3/8" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	6.31	2.48
		For 304 Stainless Steel, Add	*7.32*	
		For 316 Stainless Steel, Add	*8.22*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.59*	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	10.34	3.73
		For 304 Stainless Steel, Add	*13.51*	
		For 316 Stainless Steel, Add	*15.17*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.94*	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	15.87	4.25
		For 304 Stainless Steel, Add	*27.02*	
		For 316 Stainless Steel, Add	*30.34*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.88*	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	22.81	6.29
		For 304 Stainless Steel, Add	*38.02*	
		For 316 Stainless Steel, Add	*42.69*	
		For Aluminum, Add	*2.40*	
		For Galvanized Steel, Add	*8.27*	
05 12 23 00-0791		**1/2" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0792	LF	1/2" Thick x 1" Wide Flat Steel Bar	7.40	2.73
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	
05 12 23 00-0793	LF	1/2" Thick x 2" Wide Flat Steel Bar	12.21	4.11
		For 304 Stainless Steel, Add	*17.24*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.75*	
05 12 23 00-0794	LF	1/2" Thick x 4" Wide Flat Steel Bar	17.34	4.68
		For 304 Stainless Steel, Add	*29.38*	
		For 316 Stainless Steel, Add	*32.99*	
		For Aluminum, Add	*1.86*	
		For Galvanized Steel, Add	*6.39*	
05 12 23 00-0795	LF	1/2" Thick x 6" Wide Flat Steel Bar	30.97	6.93
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
		For Galvanized Steel, Add	*12.75*	
05 12 23 00-0796		**Flat Steel Plate** *(05 12 23 00-0422)*		
05 12 23 00-0797	SF	1/8" Thick Flat Steel Plate	18.64	7.24
		For 304 Stainless Steel, Add	*22.12*	
		For 316 Stainless Steel, Add	*24.83*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.81*	
05 12 23 00-0798	SF	3/16" Thick Flat Steel Plate	20.97	7.50
		For 304 Stainless Steel, Add	*27.67*	
		For 316 Stainless Steel, Add	*31.07*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.02*	
05 12 23 00-0799	SF	1/4" Thick Flat Steel Plate	25.00	8.40
		For 304 Stainless Steel, Add	*35.28*	
		For 316 Stainless Steel, Add	*39.62*	
		For Aluminum, Add	*2.23*	
		For Galvanized Steel, Add	*7.68*	
05 12 23 00-0800	SF	3/8" Thick Flat Steel Plate	33.62	9.45
		For 304 Stainless Steel, Add	*55.38*	
		For 316 Stainless Steel, Add	*62.18*	
		For Aluminum, Add	*3.50*	
		For Galvanized Steel, Add	*12.05*	
05 12 23 00-0801	SF	1/2" Thick Flat Steel Plate	39.81	10.39
		For 304 Stainless Steel, Add	*68.97*	
		For 316 Stainless Steel, Add	*77.44*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.00*	
05 12 23 00-0802	SF	3/4" Thick Flat Steel Plate	64.92	12.88
		For 304 Stainless Steel, Add	*129.39*	
		For 316 Stainless Steel, Add	*145.28*	
		For Aluminum, Add	*8.17*	
		For Galvanized Steel, Add	*28.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803	SF	1" Thick Flat Steel Plate	86.55	16.10
		For 304 Stainless Steel, Add	*177.16*	
		For 316 Stainless Steel, Add	*198.91*	
		For Aluminum, Add	*11.19*	
		For Galvanized Steel, Add	*38.54*	

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001 Stainless Steel Tube *(05 13)*

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	39.58	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	51.37	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	70.00	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	11.99	0.98
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	10.54	0.91

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	18.80	4.08
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	20.00	4.08

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	16.99	2.48
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	14.38	4.00
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	17.60	4.37
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	20.17	5.10
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	24.28	5.47
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	75.27	6.93
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	61.40	6.20

05 14 13 00-0015 Columns *(05 14 13)*

Note: Baked on paint finish, load bearing.

05 14 13 00-0016 Round Columns *(05 14 13 00-0015)*

05 14 13 00-0017	LF	6" Diameter Aluminum Column	68.27	7.83
05 14 13 00-0018	LF	8" Diameter Aluminum Column	90.80	11.22
05 14 13 00-0019	LF	10" Diameter Aluminum Column	111.51	12.63
05 14 13 00-0020	LF	12" Diameter Aluminum Column	171.13	13.21
05 14 13 00-0021	LF	15" Diameter Aluminum Column	219.42	15.32
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	133.74	14.61
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	153.72	15.78
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	195.63	17.54
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	345.93	18.70
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	535.18	20.46

05 14 13 00-0027 Octagonal Columns *(05 14 13 00-0015)*

05 14 13 00-0028	LF	6" Diameter Aluminum Column	77.11	7.83
05 14 13 00-0029	LF	8" Diameter Aluminum Column	104.47	11.22
05 14 13 00-0030	LF	10" Diameter Aluminum Column	128.76	12.63
05 14 13 00-0031	LF	12" Diameter Aluminum Column	200.10	13.21
05 14 13 00-0032	LF	15" Diameter Aluminum Column	257.20	15.32
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	154.64	14.61
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	178.15	15.78
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	227.74	17.54
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	407.63	18.70
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	634.03	20.46

05 14 13 00-0038 Fluted Columns *(05 14 13 00-0015)*

05 14 13 00-0039	LF	6" Diameter Aluminum Column	86.34	7.83
05 14 13 00-0040	LF	8" Diameter Aluminum Column	116.76	11.22
05 14 13 00-0041	LF	10" Diameter Aluminum Column	144.29	12.63
05 14 13 00-0042	LF	12" Diameter Aluminum Column	226.16	13.21
05 14 13 00-0043	LF	15" Diameter Aluminum Column	291.20	15.32
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	173.46	14.61
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	200.13	15.78
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	256.64	17.54
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	463.16	18.70
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	723.00	20.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0049		Square Columns *(05 14 13 00-0015)*		
05 14 13 00-0050	LF	6" Aluminum Column	92.66	7.83
05 14 13 00-0051	LF	8" Aluminum Column	125.17	11.22
05 14 13 00-0052	LF	10" Aluminum Column	154.91	12.63
05 14 13 00-0053	LF	12" Aluminum Column	243.99	13.21
05 14 13 00-0054	LF	15" Aluminum Column	314.45	15.32
05 14 13 00-0055	EA	6" Aluminum Base And Cap	186.32	14.61
05 14 13 00-0056	EA	8" Aluminum Base And Cap	215.17	15.78
05 14 13 00-0057	EA	10" Aluminum Base And Cap	276.40	17.54
05 14 13 00-0058	EA	12" Aluminum Base And Cap	501.14	18.70
05 14 13 00-0059	EA	15" Aluminum Base And Cap	783.83	20.46
05 14 13 00-0060		Ornamental Or Decorative Cap And Bases *(05 14 13 00-0015)*		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	1,099.14	17.54
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,621.11	20.46
05 14 13 00-0063	EA	12" Corinthian Capital And Base	2,570.52	23.39
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	539.82	17.54
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	725.29	20.46
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,470.98	23.39

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.68	0.12
		For >500, Deduct	*-0.29*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.25	0.12
		For >500, Deduct	*-0.39*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.69	0.24
		For >500, Deduct	*-0.44*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.23	0.24
		For >500, Deduct	*-0.52*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.74	0.36
		For >500, Deduct	*-0.58*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.59	0.48
		For >500, Deduct	*-0.71*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.50	0.48
		For >500, Deduct	*-0.84*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.62	0.84
		For >500, Deduct	*-1.14*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.24	0.96
		For >500, Deduct	*-1.53*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.77	1.32
		For >500, Deduct	*-1.87*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.78	1.69
		For >500, Deduct	*-2.31*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	19.23	2.04
		For >500, Deduct	*-2.82*	
05 15 16 00-0014		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.97	0.12
		For >500, Deduct	*-0.35*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.55	0.12
		For >500, Deduct	*-0.45*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.17	0.24
		For >500, Deduct	*-0.54*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.60	0.24
		For >500, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.28	0.36
		For >500, Deduct	*-0.69*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.94	0.48
		For >500, Deduct	*-0.78*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.79	0.48
		For >500, Deduct	*-0.90*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.49	0.84
		For >500, Deduct	*-1.32*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.88	0.96
		For >500, Deduct	*-1.66*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.40	1.32
		For >500, Deduct	*-2.01*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	17.15	1.69
		For >500, Deduct	*-2.57*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	20.87	2.04
		For >500, Deduct	*-3.14*	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.56	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.12	0.12
		For >500, Deduct	*-0.36*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.53	0.24
		For >500, Deduct	*-0.41*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.96	0.24
		For >500, Deduct	*-0.47*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.57	0.36
		For >500, Deduct	*-0.55*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.52	0.48
		For >500, Deduct	*-0.69*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.28	0.48
		For >500, Deduct	*-0.79*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	7.42	0.84
		For >500, Deduct	*-1.10*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	9.10	0.96
		For >500, Deduct	*-1.31*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	11.57	1.32
		For >500, Deduct	*-1.63*	

05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.54	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.04	0.12
		For >500, Deduct	*-0.34*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.53	0.24
		For >500, Deduct	*-0.41*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.96	0.24
		For >500, Deduct	*-0.47*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.72	0.36
		For >500, Deduct	*-0.58*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.44	0.48
		For >500, Deduct	*-0.68*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.57	0.48
		For >500, Deduct	*-0.85*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.77	0.84
		For >500, Deduct	*-1.17*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.17	0.96
		For >500, Deduct	*-1.52*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.54	1.32
		For >500, Deduct	*-1.84*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.86	0.24
		For >500, Deduct	*-0.48*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.34	0.24
		For >500, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.91	0.36
		For >500, Deduct	*-0.62*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.27	0.48
		For >500, Deduct	*-0.84*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.83	0.48
		For >500, Deduct	*-0.90*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.95	0.84
		For >500, Deduct	*-1.21*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.20	0.96
		For >500, Deduct	*-1.53*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.45	1.32
		For >500, Deduct	*-2.01*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	16.29	1.69
		For >500, Deduct	*-2.41*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	19.66	2.04
		For >500, Deduct	*-2.90*	

05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.94	0.24
		For >500, Deduct	*-0.49*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.54	0.24
		For >500, Deduct	*-0.58*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.19	0.36
		For >500, Deduct	*-0.67*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.85	0.48
		For >500, Deduct	*-0.96*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.92	0.48
		For >500, Deduct	*-0.92*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.14	0.84
		For >500, Deduct	*-1.25*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.79	0.96
		For >500, Deduct	*-1.64*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.64	1.32
		For >500, Deduct	*-2.05*	

05 15 16 00-0069 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope *(05 15 16)*

05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.02	0.12
		For >500, Deduct	*-0.56*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.25	0.12
		For >500, Deduct	*-0.59*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.84	0.24
		For >500, Deduct	*-0.68*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.15	0.24
		For >500, Deduct	*-0.90*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.87	0.24
		For >500, Deduct	*-1.05*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.79	0.48
		For >500, Deduct	*-1.15*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	8.09	0.48
		For >500, Deduct	*-1.36*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	11.13	0.72
		For >500, Deduct	*-1.86*	

05 15 16 00-0078 7x7, Galvanized Finish, Aircraft Cable *(05 15 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.34	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.39	0.10
		For >500, Deduct	*-0.05*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.44	0.11
		For >500, Deduct	*-0.05*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.51	0.12
		For >500, Deduct	*-0.06*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.63	0.12
		For >500, Deduct	*-0.08*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
		For >500, Deduct	*-0.09*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.67	0.12
		For >500, Deduct	*-0.10*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.77	0.12
		For >500, Deduct	*-0.11*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.90	0.12
		For >500, Deduct	*-0.14*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.36	0.12
		For >500, Deduct	*-0.21*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.83	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0091		**Heavy-Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	15.43	3.61
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	17.54	3.61
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.88	3.61
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.31	3.61
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.34	3.61
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.34	3.61
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	28.52	3.61
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	52.18	5.53
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	61.56	6.73
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	109.64	11.05
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	157.47	15.02
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	157.47	15.02
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	18.83	3.61
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	19.25	3.61
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	22.13	3.61
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	22.58	3.61
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	23.23	3.61
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	29.42	3.61
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	29.89	3.61
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	34.34	3.61
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	34.99	3.61
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	47.82	4.81
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	71.38	7.21
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	78.68	7.21
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	92.21	9.62
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	133.92	14.42
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	104.97	3.61
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	167.75	3.61
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	172.50	4.81
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	204.90	6.01
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	204.90	6.01
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	298.70	13.22
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	298.70	13.22
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	379.81	25.23
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	510.85	36.05
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	717.95	55.27
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	939.35	86.52
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	1,093.65	99.74
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	84.29	3.61
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	114.37	3.61
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	114.37	3.61
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	142.43	4.81
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	143.76	4.81
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	196.67	8.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	202.39	9.62
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	249.66	15.62
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	322.02	22.83
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	460.64	31.24
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	569.99	43.26
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	770.55	67.30

05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets *(05 15 16)*

05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	176.27	3.61
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	180.59	3.61
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	180.59	3.61
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	201.09	7.21
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	201.09	7.21
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	263.00	12.02
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	263.00	12.02
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	332.27	18.02
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	496.38	30.04
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	904.92	46.86
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	1,058.25	75.70
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,430.78	99.74

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets *(05 15 16)*

05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	147.66	3.61
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	148.23	3.61
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	148.23	3.61
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	165.59	6.01
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	165.59	6.01
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	231.02	10.82
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	231.02	10.82
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	282.49	15.62
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	412.21	24.03
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	622.18	37.25
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	814.25	50.47
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	1,024.87	67.30

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles *(05 15 16)*

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	101.29	3.61
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.39*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	108.72	3.61
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.51*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	122.47	3.61
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.57*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	135.09	4.81
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.24*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	177.94	6.01
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.94*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	202.10	7.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.97*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	205.00	9.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.20*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	254.19	9.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-32.12*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	288.87	10.82
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.89*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	276.31	13.22
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-33.78*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	314.05	15.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-37.62*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	388.80	16.82
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-48.02*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	467.71	20.42
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-57.73*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	530.30	28.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-62.38*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	643.77	33.65
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-76.54*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	551.34	28.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-65.54*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	628.90	37.25
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-71.80*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	864.47	46.86
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-101.94*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	965.51	55.27
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-112.05*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,073.42	67.30
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-120.96*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,298.28	75.70
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-149.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,686.39	86.52
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,664.26	92.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-194.18*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,823.73	120.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,311.25	156.22
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-406.56*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,408.85	300.41
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-631.08*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	21.74
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	21.84
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	24.64
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	29.44
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	29.31
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	40.12
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	48.24
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	65.25
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	87.61
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	127.59
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	151.82
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	276.22
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	316.83
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	391.90

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.64
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.82
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	35.11
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.49
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.80
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	48.04
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	46.55
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.23
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.62
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	40.92
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.14
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.76
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.53
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.33
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.92
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	62.76
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	55.22
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	50.36
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.28
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	60.15
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	53.53
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	67.40
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	77.32
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	89.21
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.65
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.62
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	75.08
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	83.03
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	89.57
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	104.73
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	138.75

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.30	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.38	0.10
		For >500, Deduct	*-0.05*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.49	0.11
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.79	0.12
		For >500, Deduct	*-0.11*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.55	0.11
		For >500, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.75	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.94	0.12
		For >500, Deduct	*-0.15*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.43	0.12
		For >500, Deduct	*-0.22*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.15	0.24
		For >500, Deduct	*-0.34*	
05 15 19 00-0014		7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.30	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.38	0.10
		For >500, Deduct	*-0.05*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.49	0.11
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.79	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0020		7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.55	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.75	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.94	0.12
		For >500, Deduct	*-0.15*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.43	0.12
		For >500, Deduct	*-0.22*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	2.15	0.12
		For >500, Deduct	*-0.34*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,888.52	214.38
		For Welded Cross Bridging, Add	*267.97*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*239.43*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,646.74	200.97
		For Welded Cross Bridging, Add	*238.19*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*222.33*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,172.62	200.97
		For Welded Cross Bridging, Add	*247.36*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*281.77*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,590.06	200.97
		For Welded Cross Bridging, Add	*247.36*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*331.86*	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,189.16	200.97
		For Welded Cross Bridging, Add	*267.97*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*275.51*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,955.32	200.97
		For Welded Cross Bridging, Add	*247.36*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*375.70*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.27	0.54
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.87*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.73	0.63
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*0.99*	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.68	0.76
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.24*	
		For Up To 100, Add	*1.33*	
		For >100 To 500, Add	*0.76*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.59	0.61
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*0.96*	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.14	0.70
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.10*	
		For Up To 100, Add	*1.21*	
		For >100 To 500, Add	*0.68*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.19	0.86
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.38*	
		For Up To 100, Add	*1.48*	
		For >100 To 500, Add	*0.84*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.07	0.64
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.14*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.72	0.74
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.25*	
		For Up To 100, Add	*1.30*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.23*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.80	0.84
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.53*	
		For Up To 100, Add	*1.52*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.28	0.91
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*1.90*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*1.07*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.54	0.68
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.20*	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.29	0.76
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.39*	
		For Up To 100, Add	*1.39*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.59	0.95
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.74*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.30	1.15
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.18*	
		For Up To 100, Add	*2.13*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.94	
		For Painted, Deduct	*-0.55*	
		For Perforated Or Slotted, Add	*0.55*	
		For Site Installed Insulation Between Ribs, Add	*3.06*	
		For Up To 100, Add	*2.13*	
		For >100 To 500, Add	*1.51*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	15.04	0.95
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*3.85*	
		For Up To 100, Add	*2.57*	
		For >100 To 500, Add	*1.86*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.97	0.95
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.58*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.67	1.15
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*3.77*	
		For Up To 100, Add	*2.76*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.31	1.40
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.71*	
		For Up To 100, Add	*3.41*	
		For >100 To 500, Add	*2.36*	
		For >500 To 1,500, Add	*0.44*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.21	1.26
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.17*	
		For Up To 100, Add	*3.04*	
		For >100 To 500, Add	*2.10*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	20.20	1.54
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*5.19*	
		For Up To 100, Add	*3.75*	
		For >100 To 500, Add	*2.60*	
		For >500 To 1,500, Add	*0.48*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.72	0.97
		For Painted, Deduct	*-0.48*	
		For Perforated Or Slotted, Add	*0.48*	
		For Insulated Cells, Add	*2.14*	
		For Site Installed Insulation Between Ribs, Add	*2.77*	
		For Up To 100, Add	*2.16*	
		For >100 To 500, Add	*1.44*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.68	1.28
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.27*	
		For Site Installed Insulation Between Ribs, Add	*3.04*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	13.15	1.02
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.67*	
		For Site Installed Insulation Between Ribs, Add	*3.38*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	14.25	1.36
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.83*	
		For Site Installed Insulation Between Ribs, Add	*3.69*	
		For Up To 100, Add	*2.95*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	15.07	1.24
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.05*	
		For Site Installed Insulation Between Ribs, Add	*3.88*	
		For Up To 100, Add	*2.88*	
		For >100 To 500, Add	*1.97*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	18.00	1.43
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.65*	
		For Site Installed Insulation Between Ribs, Add	*4.63*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*2.33*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	20.18	1.54
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.11*	
		For Site Installed Insulation Between Ribs, Add	*5.19*	
		For Up To 100, Add	*3.75*	
		For >100 To 500, Add	*2.59*	
		For >500 To 1,500, Add	*0.48*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.82	1.65
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.45*	
		For Site Installed Insulation Between Ribs, Add	*5.61*	
		For Up To 100, Add	*4.04*	
		For >100 To 500, Add	*2.80*	
		For >500 To 1,500, Add	*0.52*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	23.31	1.24
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.90*	
		For Site Installed Insulation Between Ribs, Add	*5.94*	
		For Up To 100, Add	*3.73*	
		For >100 To 500, Add	*2.80*	
		For >500 To 1,500, Add	*0.39*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.80	1.45
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.18*	
		For Site Installed Insulation Between Ribs, Add	*6.33*	
		For Up To 100, Add	*4.10*	
		For >100 To 500, Add	*3.02*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	26.22	1.56
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.46*	
		For Site Installed Insulation Between Ribs, Add	*6.70*	
		For Up To 100, Add	*4.38*	
		For >100 To 500, Add	*3.21*	
		For >500 To 1,500, Add	*0.49*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	27.96	1.67
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.82*	
		For Site Installed Insulation Between Ribs, Add	*7.14*	
		For Up To 100, Add	*4.68*	
		For >100 To 500, Add	*3.42*	
		For >500 To 1,500, Add	*0.52*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.99	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.16	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.64*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.51	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.47*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.31*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.81	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.66*	
		For >100 To 500, Add	*0.81*	
		For >500 To 1,500, Add	*0.36*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.57	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.32*	
		For >100 To 500, Add	*0.68*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.76	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.39*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.28*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.96	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.51*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.31*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.24	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.85*	
		For >500 To 1,500, Add	*0.36*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.46	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.37*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.87	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.95*	
		For >500 To 1,500, Add	*0.38*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.57	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.05*	
		For >500 To 1,500, Add	*0.41*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	6.17	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*2.29*	
		For >100 To 500, Add	*1.18*	
		For >500 To 1,500, Add	*0.47*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.51	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.37*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.82	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.96*	
		For >100 To 500, Add	*0.97*	
		For >500 To 1,500, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.41	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.38*	
		For >100 To 500, Add	*1.15*	
		For >500 To 1,500, Add	*0.51*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.90	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.32*	
		For >500 To 1,500, Add	*0.61*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.82	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.96*	
		For >100 To 500, Add	*0.97*	
		For >500 To 1,500, Add	*0.41*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.20	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.14*	
		For >100 To 500, Add	*1.06*	
		For >500 To 1,500, Add	*0.45*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.78	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.56*	
		For >100 To 500, Add	*1.24*	
		For >500 To 1,500, Add	*0.55*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.33	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.97*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.65*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.06	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.42*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.43	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.27*	
		For >100 To 500, Add	*1.12*	
		For >500 To 1,500, Add	*0.48*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.10	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.74*	
		For >100 To 500, Add	*1.32*	
		For >500 To 1,500, Add	*0.59*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.81	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*1.53*	
		For >500 To 1,500, Add	*0.71*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.26	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.82	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.52*	
		For >100 To 500, Add	*1.76*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.94	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*1.81*	
		For >500 To 1,500, Add	*0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.50	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*4.00*	
		For >100 To 500, Add	*1.97*	
		For >500 To 1,500, Add	*0.85*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.18	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.32*	
		For >100 To 500, Add	*2.12*	
		For >500 To 1,500, Add	*0.92*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.29	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*2.16*	
		For >500 To 1,500, Add	*0.95*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.86	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.80*	
		For >100 To 500, Add	*2.33*	
		For >500 To 1,500, Add	*1.03*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.53	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.71*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.01	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*1.82*	
		For >500 To 1,500, Add	*0.76*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.12	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.76*	
		For >100 To 500, Add	*1.86*	
		For >500 To 1,500, Add	*0.79*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.80	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.03*	
		For >500 To 1,500, Add	*0.88*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.36	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.44*	
		For >100 To 500, Add	*2.17*	
		For >500 To 1,500, Add	*0.95*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.53	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.61*	
		For >100 To 500, Add	*2.24*	
		For >500 To 1,500, Add	*0.99*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.12	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*4.93*	
		For >100 To 500, Add	*2.38*	
		For >500 To 1,500, Add	*1.06*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.56	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.07	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.71*	
		For >100 To 500, Add	*1.84*	
		For >500 To 1,500, Add	*0.78*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.24	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.88*	
		For >100 To 500, Add	*1.91*	
		For >500 To 1,500, Add	*0.82*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.89	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.19*	
		For >100 To 500, Add	*2.06*	
		For >500 To 1,500, Add	*0.89*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.53	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.51*	
		For >100 To 500, Add	*2.21*	
		For >500 To 1,500, Add	*0.96*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.76	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.74*	
		For >100 To 500, Add	*2.30*	
		For >500 To 1,500, Add	*1.02*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.23	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*5.04*	
		For >100 To 500, Add	*2.43*	
		For >500 To 1,500, Add	*1.09*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.29	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.18	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.30	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.71	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.92	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.64	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.68	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.05	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	8.00	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.41	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.38	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.86	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	6.20	1.21
		For Walls >10' High, Add	*1.24*	
		For Curved Wall, Add	*0.85*	
		For Up To 200, Add	*1.80*	
		For >200 To 500, Add	*0.90*	
		For 12" On Center, Add	*1.10*	
		For 24" On Center, Deduct	*-1.10*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	6.92	1.21
		For Walls >10' High, Add	*1.38*	
		For Curved Wall, Add	*0.89*	
		For Up To 200, Add	*1.98*	
		For >200 To 500, Add	*0.99*	
		For 12" On Center, Add	*1.24*	
		For 24" On Center, Deduct	*-1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.22	1.21
		For Walls >10' High, Add	*1.44*	
		For Curved Wall, Add	*0.92*	
		For Up To 200, Add	*2.06*	
		For >200 To 500, Add	*1.03*	
		For 12" On Center, Add	*1.29*	
		For 24" On Center, Deduct	*-1.29*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	9.19	1.34
		For Walls >10' High, Add	*1.84*	
		For Curved Wall, Add	*0.97*	
		For Up To 200, Add	*2.48*	
		For >200 To 500, Add	*1.24*	
		For 12" On Center, Add	*1.68*	
		For 24" On Center, Deduct	*-1.68*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	10.26	1.48
		For Walls >10' High, Add	*2.05*	
		For Curved Wall, Add	*1.01*	
		For Up To 200, Add	*2.72*	
		For >200 To 500, Add	*1.36*	
		For 12" On Center, Add	*1.88*	
		For 24" On Center, Deduct	*-1.88*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	6.66	1.21
		For Walls >10' High, Add	*1.33*	
		For Curved Wall, Add	*0.89*	
		For Up To 200, Add	*1.92*	
		For >200 To 500, Add	*0.96*	
		For 12" On Center, Add	*1.18*	
		For 24" On Center, Deduct	*-1.18*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.71	1.22
		For Walls >10' High, Add	*1.54*	
		For Curved Wall, Add	*0.93*	
		For Up To 200, Add	*2.16*	
		For >200 To 500, Add	*1.08*	
		For 12" On Center, Add	*1.39*	
		For 24" On Center, Deduct	*-1.39*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	8.13	1.22
		For Walls >10' High, Add	*1.63*	
		For Curved Wall, Add	*0.97*	
		For Up To 200, Add	*2.27*	
		For >200 To 500, Add	*1.14*	
		For 12" On Center, Add	*1.46*	
		For 24" On Center, Deduct	*-1.46*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	10.28	1.48
		For Walls >10' High, Add	*2.06*	
		For Curved Wall, Add	*1.02*	
		For Up To 200, Add	*2.73*	
		For >200 To 500, Add	*1.37*	
		For 12" On Center, Add	*1.89*	
		For 24" On Center, Deduct	*-1.89*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	11.33	1.61
		For Walls >10' High, Add	*2.27*	
		For Curved Wall, Add	*1.07*	
		For Up To 200, Add	*2.98*	
		For >200 To 500, Add	*1.49*	
		For 12" On Center, Add	*2.09*	
		For 24" On Center, Deduct	*-2.09*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	9.15	1.67
		For Walls >10' High, Add	*1.83*	
		For Curved Wall, Add	*1.12*	
		For Up To 200, Add	*2.57*	
		For >200 To 500, Add	*1.29*	
		For 12" On Center, Add	*1.64*	
		For 24" On Center, Deduct	*-1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	9.41	1.70
		For Walls >10' High, Add	*1.88*	
		For Curved Wall, Add	*1.14*	
		For Up To 200, Add	*2.64*	
		For >200 To 500, Add	*1.32*	
		For 12" On Center, Add	*1.69*	
		For 24" On Center, Deduct	*-1.69*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	11.82	1.79
		For Walls >10' High, Add	*2.36*	
		For Curved Wall, Add	*1.20*	
		For Up To 200, Add	*3.16*	
		For >200 To 500, Add	*1.58*	
		For 12" On Center, Add	*2.16*	
		For 24" On Center, Deduct	*-2.16*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	12.97	1.87
		For Walls >10' High, Add	*2.59*	
		For Curved Wall, Add	*1.25*	
		For Up To 200, Add	*3.43*	
		For >200 To 500, Add	*1.71*	
		For 12" On Center, Add	*2.39*	
		For 24" On Center, Deduct	*-2.39*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	13.09	2.88
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	14.26	3.62
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	15.43	3.97
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	17.31	4.23

05 42 13 00-0006 Steel Joists, 18 Gauge *(05 42 13)*

05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	14.58	3.20
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	15.93	4.03
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	17.27	4.41
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	17.77	4.69

05 42 13 00-0011 Steel Joists, 16 Gauge *(05 42 13)*

05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	18.68	4.45
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	19.73	4.69

05 42 13 00-0014 Steel Joists, 14 Gauge *(05 42 13)*

05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	22.29	4.69
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	24.23	4.94

05 42 13 00-0017 Steel Joists, 12 Gauge *(05 42 13)*

05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	26.56	5.16
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	29.05	5.45

05 42 13 00-0020 Steel Joists, 10 Gauge *(05 42 13)*

05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	30.88	5.69
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	33.96	5.98

05 42 13 00-0023 Steel Joists, 8 Gauge *(05 42 13)*

05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	35.30	6.25
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	38.90	6.58

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Metal Framing Channel *(05 43)*

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.61	2.71
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.06	2.71
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.74	2.71
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.72	2.71
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.77	2.71
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.55	2.71
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	30.46	2.71
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	29.24	2.71
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.83	2.71

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	41.49	2.71

05 43 00 00-0016 Aluminum Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	14.03	2.71
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.63	2.71

05 43 00 00-0019 Metal Framing Channel Fittings *(05 43)*

05 43 00 00-0020 Unistrut Closure Strips *(05 43 00 00-0019)*

05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	9.09	0.60

05 43 00 00-0022 Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0019)*

Note: Includes hex bolt.

05 43 00 00-0023 Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)*

Note: Includes hex bolt.

05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	9.06
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	10.14
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.95
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	15.33

05 43 00 00-0028 Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)*

Note: Includes hex bolt.

05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.40
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	16.47
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.00
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	37.30

05 43 00 00-0033 Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0019)*

Note: Includes hex bolt.

05 43 00 00-0034 Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)*

Note: Includes hex bolt.

05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.09
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	10.29
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	11.01
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	16.59

05 43 00 00-0039 Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)*

Note: Includes hex bolt.

05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.43
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.67
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.10
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	36.37

05 43 00 00-0044 Beam Clamp For Unistrut Channel *(05 43 00 00-0019)*

05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	25.32	9.01
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	32.11	9.01
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676	3.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0048		**Beam Clamp Clevis Hangers For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	27.68	9.01
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	33.08	9.01
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut	3.70	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	190.79	12.02
05 43 00 00-0053		**Accessories For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0054	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	62.91	9.01
05 43 00 00-0055	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	15.76	6.01
05 43 00 00-0056	EA	60 Degree Angle, 1-5/8" Channel P2097	16.51	6.01
05 43 00 00-0057		**Bases For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0058		**Steel Bases For Unistrut Channel** *(05 43 00 00-0057)*		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	119.71	30.05
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	121.29	30.05
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	174.45	30.05
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	143.36	30.05
05 43 00 00-0063		**Stainless Steel Bases For Unistrut Channel** *(05 43 00 00-0057)*		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	241.12	30.05
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	439.37	30.05
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	332.99	30.05
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	493.58	30.05
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	431.05	30.05
05 43 00 00-0069		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0019)*		
05 43 00 00-0070		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0069)*		
		Note: Includes stainless steel (316) hardware.		
05 43 00 00-0071	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.43	2.58
05 43 00 00-0072	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.57	2.58
05 43 00 00-0073	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.83	3.12
05 43 00 00-0074	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.37	3.39
05 43 00 00-0075	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.65	3.79
05 43 00 00-0076	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.65	3.79
05 43 00 00-0077	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.13	6.37
05 43 00 00-0078	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.41	6.37
05 43 00 00-0079	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.78	7.04
05 43 00 00-0080	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	21.85	7.58
05 43 00 00-0081		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0069)*		
		Note: Includes nylon hardware.		
05 43 00 00-0082	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.43	2.58
05 43 00 00-0083	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.82	2.58
05 43 00 00-0084	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.08	3.12
05 43 00 00-0085	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.77	3.39
05 43 00 00-0086	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.53	3.79
05 43 00 00-0087	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.53	3.79
05 43 00 00-0088	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.42	6.37
05 43 00 00-0089	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	28.18	6.37
05 43 00 00-0090	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	29.70	7.04
05 43 00 00-0091	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	33.14	7.58

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001		**Open Concrete Filled Metal Pan Stair And Landing** *(05 51 13)*		
		Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,071.08	35.07
		For Closed Riser, Add	*123.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,217.09	40.92
		For Closed Riser, Add	*140.44*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,355.68	47.93
		For Closed Riser, Add	*156.11*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	90.39	5.85

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	520.03	46.76
		For Closed Riser, Add	*62.46*	
		For Galvanized Steel, Add	*106.63*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	554.37	53.78
		For Closed Riser, Add	*66.15*	
		For Galvanized Steel, Add	*111.70*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	613.69	63.13
		For Closed Riser, Add	*72.84*	
		For Galvanized Steel, Add	*121.86*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	96.50	5.85
		For Galvanized Steel, Add	*18.28*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	95.57	14.03
		For Galvanized Steel, Add	*12.89*	
		For Aluminum, Add	*25.78*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	108.64	14.03
		For Galvanized Steel, Add	*16.16*	
		For Aluminum, Add	*32.32*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	224.31	23.39
		For Galvanized Steel, Add	*37.45*	
		For Aluminum, Add	*74.89*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	250.44	23.39
		For Galvanized Steel, Add	*43.98*	
		For Aluminum, Add	*87.96*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	373.25	43.84
		For Galvanized Steel, Add	*71.39*	
		For Aluminum, Add	*142.79*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	408.50	46.76
		For Galvanized Steel, Add	*78.74*	
		For Aluminum, Add	*157.49*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	437.51	14.61
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,189.57	87.68
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,422.47	102.30
05 51 33 13-0012	EA	Safety Chain Attachment	216.57	

05 51 33 13-0013 Welded Steel Ladder Cages *(05 51 33 13)*

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,028.23	175.37
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,200.91	181.21
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,338.58	187.06
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,485.59	192.91
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,571.95	198.75
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,711.96	204.59
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,835.64	210.44
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,996.65	216.28
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,152.99	222.13
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,281.33	227.98
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,437.69	233.82
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,589.36	239.67
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,738.70	245.52
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,009.37	251.36
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,091.05	257.21
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,231.06	263.05
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,359.41	268.89
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,478.42	274.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,742.09	280.59
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,884.43	286.43
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,017.45	292.28
05 51 33 13-0036		**Welded Stainless Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	4,998.27	175.37
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	5,338.93	181.21
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	5,905.89	187.06
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	6,185.89	192.91
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	6,421.56	198.75
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	6,734.22	204.59
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	7,296.53	210.44
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	7,581.19	216.28
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	7,875.18	222.13
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	8,197.18	227.98
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	8,771.15	233.82
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	9,058.15	239.67
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	9,331.14	245.52
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	9,783.79	251.36
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	10,292.43	257.21
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	10,574.76	263.05
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	10,864.09	268.89
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	11,134.75	274.74
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	11,830.04	280.59
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	12,100.71	286.43
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	12,378.38	292.28
05 51 33 13-0058		**Vertical Ladder Fall Protection System** *(05 51 33 13)*		
05 51 33 13-0059	EA	For 20' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30914-00)	1,233.08	78.74
05 51 33 13-0060	EA	For 40' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30915-00)	1,359.02	85.89
05 51 33 13-0061	EA	For 60' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30916-00)	1,542.27	93.04
05 51 33 13-0062	EA	For 80' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30917-00)	1,726.27	100.21
05 51 33 13-0063	EA	For 100' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30918-00)	1,966.86	107.36
05 51 33 13-0064	EA	For 120' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30919-00)	2,155.57	114.52
05 51 33 13-0065	EA	For 140' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30920-00)	2,360.89	121.68
05 51 33 13-0066	EA	For 20' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30924-00)	732.41	71.57
05 51 33 13-0067	EA	For 40' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30925-00)	862.22	78.74
05 51 33 13-0068	EA	For 60' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30906-00)	1,024.28	85.89
05 51 33 13-0069	EA	For 80' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30907-00)	1,275.05	93.04
05 51 33 13-0070	EA	For 100' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30908-00)	1,431.64	100.21
05 51 33 13-0071	EA	For 120' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30909-00)	1,552.84	107.36
05 51 33 13-0072	EA	Ladder Latch Device For Vertical Ladder Fall Protection System (MSA Latchways® 3104L-00)	590.51	17.90
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		**Industrial Ship Ladder, Incline Stairs** *(05 51 33 16)* Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	372.18	58.46
		For Aluminum, Add	*127.64*	
05 51 33 23		**Alternating Tread Ladders** *(05 51 33)*		
05 51 33 23-0001		**Vertical Ladders With Alternating Tread** *(05 51 33 23)*		
05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,913.36	175.37
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,347.63	185.89
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,733.13	185.89
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,245.56	233.59
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,674.06	241.87
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	5,014.69	241.87
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,503.57	269.79
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,885.21	269.79
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,182.14	269.79
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.04	11.69
		For Schedule 80 Handrail, Add	*5.03*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.66*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.16*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.49*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.49*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.67*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.67*	
		For Aluminum, Satin Finish, Add	*6.99*	
		For Aluminum, Clear Anodized Finish, Add	*10.82*	
		For Aluminum, Dark Anodized Finish, Add	*12.49*	
		For Galvanizing, Add	*6.66*	
		For Wrought Iron, Add	*4.00*	
		For Solid Steel Rails, Add	*8.01*	
		For 304 Stainless Steel, Add	*53.28*	
		For 316 Stainless Steel, Add	*59.94*	
		For 2" Wheel Guard, Add	*1.58*	
		For 4" High Kick Plate, Add	*2.08*	
		For 6" High Kick Plate, Add	*3.33*	
		For Curved Rail, Add	*17.01*	
		For Mounting On Stairs, Add	*12.01*	
		For Mounting On Slopes, Add	*4.00*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*14.17*	
		For Nylon Coating, Add	*2.50*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	42.91	11.69
		For Schedule 80 Handrail, Add	*7.86*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.29*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.88*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.44*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*98.32*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.39*	
		For Aluminum, Satin Finish, Add	*8.20*	
		For Aluminum, Clear Anodized Finish, Add	*12.69*	
		For Aluminum, Dark Anodized Finish, Add	*14.64*	
		For Galvanizing, Add	*7.81*	
		For Wrought Iron, Add	*4.29*	
		For Solid Steel Rails, Add	*8.58*	
		For 304 Stainless Steel, Add	*62.46*	
		For 316 Stainless Steel, Add	*70.27*	
		For 2" Wheel Guard, Add	*1.85*	
		For 4" High Kick Plate, Add	*2.44*	
		For 6" High Kick Plate, Add	*3.90*	
		For Curved Rail, Add	*18.73*	
		For Mounting On Stairs, Add	*12.87*	
		For Mounting On Slopes, Add	*4.29*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*15.61*	
		For Nylon Coating, Add	*2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	45.77	11.69
		For Schedule 80 Handrail, Add	*7.86*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.92*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.60*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.39*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.73*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.79*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.11*	
		For Aluminum, Satin Finish, Add	*9.40*	
		For Aluminum, Clear Anodized Finish, Add	*14.55*	
		For Aluminum, Dark Anodized Finish, Add	*16.79*	
		For Galvanizing, Add	*8.95*	
		For Wrought Iron, Add	*4.58*	
		For Solid Steel Rails, Add	*9.15*	
		For 304 Stainless Steel, Add	*71.62*	
		For 316 Stainless Steel, Add	*80.57*	
		For 2" Wheel Guard, Add	*2.13*	
		For 4" High Kick Plate, Add	*2.80*	
		For 6" High Kick Plate, Add	*4.48*	
		For Curved Rail, Add	*20.45*	
		For Mounting On Stairs, Add	*13.73*	
		For Mounting On Slopes, Add	*4.58*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*17.04*	
		For Nylon Coating, Add	*3.36*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	50.75	11.69
		For Schedule 80 Handrail, Add	*9.00*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.84*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.71*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.10*	
		For Aluminum, Satin Finish, Add	*11.49*	
		For Aluminum, Clear Anodized Finish, Add	*17.78*	
		For Aluminum, Dark Anodized Finish, Add	*20.52*	
		For Galvanizing, Add	*10.94*	
		For Wrought Iron, Add	*5.08*	
		For Solid Steel Rails, Add	*10.15*	
		For 304 Stainless Steel, Add	*87.55*	
		For 316 Stainless Steel, Add	*98.50*	
		For 2" Wheel Guard, Add	*2.60*	
		For 4" High Kick Plate, Add	*3.42*	
		For 6" High Kick Plate, Add	*5.47*	
		For Curved Rail, Add	*23.43*	
		For Mounting On Stairs, Add	*15.23*	
		For Mounting On Slopes, Add	*5.08*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*19.53*	
		For Nylon Coating, Add	*4.10*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	56.71	11.69
		For Schedule 80 Handrail, Add	*10.16*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.33*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.33*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*182.55*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*24.67*	
		For Aluminum, Satin Finish, Add	*13.99*	
		For Aluminum, Clear Anodized Finish, Add	*21.66*	
		For Aluminum, Dark Anodized Finish, Add	*24.99*	
		For Galvanizing, Add	*13.33*	
		For Wrought Iron, Add	*5.67*	
		For Solid Steel Rails, Add	*11.34*	
		For 304 Stainless Steel, Add	*106.62*	
		For 316 Stainless Steel, Add	*119.95*	
		For 2" Wheel Guard, Add	*3.17*	
		For 4" High Kick Plate, Add	*4.17*	
		For 6" High Kick Plate, Add	*6.66*	
		For Curved Rail, Add	*27.01*	
		For Mounting On Stairs, Add	*17.01*	
		For Mounting On Slopes, Add	*5.67*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.51*	
		For Nylon Coating, Add	*5.00*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	52.52	11.69
		For Schedule 80 Handrail, Add	*5.03*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.28*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.67*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.67*	
		For Aluminum, Satin Finish, Add	*12.23*	
		For Aluminum, Clear Anodized Finish, Add	*18.93*	
		For Aluminum, Dark Anodized Finish, Add	*21.85*	
		For Galvanizing, Add	*11.65*	
		For Wrought Iron, Add	*5.25*	
		For Solid Steel Rails, Add	*10.50*	
		For 304 Stainless Steel, Add	*93.22*	
		For 316 Stainless Steel, Add	*104.87*	
		For 2" Wheel Guard, Add	*2.77*	
		For 4" High Kick Plate, Add	*3.64*	
		For 6" High Kick Plate, Add	*5.83*	
		For Curved Rail, Add	*24.50*	
		For Mounting On Stairs, Add	*15.76*	
		For Mounting On Slopes, Add	*5.25*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*20.41*	
		For Nylon Coating, Add	*4.37*	
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	57.54	11.69
		For Schedule 80 Handrail, Add	*7.86*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.51*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.54*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.27*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.32*	
		For ADA Handrail P-Loop End Return, Add Per Each	*98.32*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.39*	
		For Aluminum, Satin Finish, Add	*14.34*	
		For Aluminum, Clear Anodized Finish, Add	*22.20*	
		For Aluminum, Dark Anodized Finish, Add	*25.61*	
		For Galvanizing, Add	*13.66*	
		For Wrought Iron, Add	*5.75*	
		For Solid Steel Rails, Add	*11.51*	
		For 304 Stainless Steel, Add	*109.28*	
		For 316 Stainless Steel, Add	*122.94*	
		For 2" Wheel Guard, Add	*3.24*	
		For 4" High Kick Plate, Add	*4.27*	
		For 6" High Kick Plate, Add	*6.83*	
		For Curved Rail, Add	*27.51*	
		For Mounting On Stairs, Add	*17.26*	
		For Mounting On Slopes, Add	*5.75*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.92*	
		For Nylon Coating, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	62.56	11.69
		For Schedule 80 Handrail, Add	*7.86*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.62*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.93*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.79*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.11*	
		For Aluminum, Satin Finish, Add	*16.45*	
		For Aluminum, Clear Anodized Finish, Add	*25.46*	
		For Aluminum, Dark Anodized Finish, Add	*29.38*	
		For Galvanizing, Add	*15.67*	
		For Wrought Iron, Add	*6.26*	
		For Solid Steel Rails, Add	*12.51*	
		For 304 Stainless Steel, Add	*125.34*	
		For 316 Stainless Steel, Add	*141.01*	
		For 2" Wheel Guard, Add	*3.72*	
		For 4" High Kick Plate, Add	*4.90*	
		For 6" High Kick Plate, Add	*7.83*	
		For Curved Rail, Add	*30.52*	
		For Mounting On Stairs, Add	*18.77*	
		For Mounting On Slopes, Add	*6.26*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*25.43*	
		For Nylon Coating, Add	*5.88*	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	71.26	11.69
		For Schedule 80 Handrail, Add	*9.00*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.97*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.71*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.10*	
		For Aluminum, Satin Finish, Add	*20.11*	
		For Aluminum, Clear Anodized Finish, Add	*31.12*	
		For Aluminum, Dark Anodized Finish, Add	*35.90*	
		For Galvanizing, Add	*19.15*	
		For Wrought Iron, Add	*7.13*	
		For Solid Steel Rails, Add	*14.25*	
		For 304 Stainless Steel, Add	*153.18*	
		For 316 Stainless Steel, Add	*172.33*	
		For 2" Wheel Guard, Add	*4.55*	
		For 4" High Kick Plate, Add	*5.98*	
		For 6" High Kick Plate, Add	*9.57*	
		For Curved Rail, Add	*35.74*	
		For Mounting On Stairs, Add	*21.38*	
		For Mounting On Slopes, Add	*7.13*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*29.78*	
		For Nylon Coating, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	81.70	11.69
		For Schedule 80 Handrail, Add	*10.16*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*137.14*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.74*	
		For ADA Handrail P-Loop End Return, Add Per Each	*182.55*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*24.67*	
		For Aluminum, Satin Finish, Add	*24.49*	
		For Aluminum, Clear Anodized Finish, Add	*37.90*	
		For Aluminum, Dark Anodized Finish, Add	*43.73*	
		For Galvanizing, Add	*23.32*	
		For Wrought Iron, Add	*8.17*	
		For Solid Steel Rails, Add	*16.34*	
		For 304 Stainless Steel, Add	*186.59*	
		For 316 Stainless Steel, Add	*209.92*	
		For 2" Wheel Guard, Add	*5.54*	
		For 4" High Kick Plate, Add	*7.29*	
		For 6" High Kick Plate, Add	*11.66*	
		For Curved Rail, Add	*42.00*	
		For Mounting On Stairs, Add	*24.51*	
		For Mounting On Slopes, Add	*8.17*	
		For Post Base Flange With Screws, Add Per Post	*19.84*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.01*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*35.00*	
		For Nylon Coating, Add	*8.75*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	81.59	14.03
		For Schedule 80 Handrail, Add	*7.30*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.38*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.66*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.88*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.67*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*15.60*	
		For Aluminum, Satin Finish, Add	*22.48*	
		For Aluminum, Clear Anodized Finish, Add	*34.79*	
		For Aluminum, Dark Anodized Finish, Add	*40.15*	
		For Galvanizing, Add	*21.41*	
		For Wrought Iron, Add	*8.16*	
		For Solid Steel Rails, Add	*16.32*	
		For 304 Stainless Steel, Add	*171.30*	
		For 316 Stainless Steel, Add	*192.71*	
		For 2" Wheel Guard, Add	*5.09*	
		For 4" High Kick Plate, Add	*6.69*	
		For 6" High Kick Plate, Add	*10.71*	
		For Curved Rail, Add	*40.54*	
		For Mounting On Stairs, Add	*24.48*	
		For Mounting On Slopes, Add	*8.16*	
		For Post Base Flange With Screws, Add Per Post	*20.31*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.71*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*33.78*	
		For Nylon Coating, Add	*8.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	90.80	14.03
		For Schedule 80 Handrail, Add	*11.07*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.80*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.47*	
		For ADA Handrail P-Loop End Return, Add Per Each	*98.32*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*17.32*	
		For Aluminum, Satin Finish, Add	*26.35*	
		For Aluminum, Clear Anodized Finish, Add	*40.78*	
		For Aluminum, Dark Anodized Finish, Add	*47.06*	
		For Galvanizing, Add	*25.10*	
		For Wrought Iron, Add	*9.08*	
		For Solid Steel Rails, Add	*18.16*	
		For 304 Stainless Steel, Add	*200.77*	
		For 316 Stainless Steel, Add	*225.86*	
		For 2" Wheel Guard, Add	*5.96*	
		For 4" High Kick Plate, Add	*7.84*	
		For 6" High Kick Plate, Add	*12.55*	
		For Curved Rail, Add	*46.06*	
		For Mounting On Stairs, Add	*27.24*	
		For Mounting On Slopes, Add	*9.08*	
		For Post Base Flange With Screws, Add Per Post	*20.31*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.71*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*38.39*	
		For Nylon Coating, Add	*9.41*	
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	100.02	14.03
		For Schedule 80 Handrail, Add	*11.07*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.99*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.06*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.79*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*19.04*	
		For Aluminum, Satin Finish, Add	*30.22*	
		For Aluminum, Clear Anodized Finish, Add	*46.77*	
		For Aluminum, Dark Anodized Finish, Add	*53.97*	
		For Galvanizing, Add	*28.78*	
		For Wrought Iron, Add	*10.00*	
		For Solid Steel Rails, Add	*20.00*	
		For 304 Stainless Steel, Add	*230.27*	
		For 316 Stainless Steel, Add	*259.06*	
		For 2" Wheel Guard, Add	*6.84*	
		For 4" High Kick Plate, Add	*9.00*	
		For 6" High Kick Plate, Add	*14.39*	
		For Curved Rail, Add	*51.59*	
		For Mounting On Stairs, Add	*30.01*	
		For Mounting On Slopes, Add	*10.00*	
		For Post Base Flange With Screws, Add Per Post	*20.31*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.71*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*43.00*	
		For Nylon Coating, Add	*10.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	116.04	14.03
		For Schedule 80 Handrail, Add	*12.60*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-29.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.31*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.71*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.03*	
		For Aluminum, Satin Finish, Add	*36.95*	
		For Aluminum, Clear Anodized Finish, Add	*57.19*	
		For Aluminum, Dark Anodized Finish, Add	*65.99*	
		For Galvanizing, Add	*35.19*	
		For Wrought Iron, Add	*11.60*	
		For Solid Steel Rails, Add	*23.21*	
		For 304 Stainless Steel, Add	*281.54*	
		For 316 Stainless Steel, Add	*316.73*	
		For 2" Wheel Guard, Add	*8.36*	
		For 4" High Kick Plate, Add	*11.00*	
		For 6" High Kick Plate, Add	*17.60*	
		For Curved Rail, Add	*61.21*	
		For Mounting On Stairs, Add	*34.81*	
		For Mounting On Slopes, Add	*11.60*	
		For Post Base Flange With Screws, Add Per Post	*20.31*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.71*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*51.01*	
		For Nylon Coating, Add	*13.20*	
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	135.11	14.03
		For Schedule 80 Handrail, Add	*14.14*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*137.14*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.33*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.75*	
		For ADA Handrail P-Loop End Return, Add Per Each	*182.55*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*25.60*	
		For Aluminum, Satin Finish, Add	*44.96*	
		For Aluminum, Clear Anodized Finish, Add	*69.58*	
		For Aluminum, Dark Anodized Finish, Add	*80.29*	
		For Galvanizing, Add	*42.82*	
		For Wrought Iron, Add	*13.51*	
		For Solid Steel Rails, Add	*27.02*	
		For 304 Stainless Steel, Add	*342.56*	
		For 316 Stainless Steel, Add	*385.38*	
		For 2" Wheel Guard, Add	*10.17*	
		For 4" High Kick Plate, Add	*13.38*	
		For 6" High Kick Plate, Add	*21.41*	
		For Curved Rail, Add	*72.65*	
		For Mounting On Stairs, Add	*40.53*	
		For Mounting On Slopes, Add	*13.51*	
		For Post Base Flange With Screws, Add Per Post	*20.31*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.71*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*60.54*	
		For Nylon Coating, Add	*16.06*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	98.43	16.37
		For Schedule 80 Handrail, Add	*9.88*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.45*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.68*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.67*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.54*	
		For Aluminum, Satin Finish, Add	*27.59*	
		For Aluminum, Clear Anodized Finish, Add	*42.70*	
		For Aluminum, Dark Anodized Finish, Add	*49.27*	
		For Galvanizing, Add	*26.28*	
		For Wrought Iron, Add	*9.84*	
		For Solid Steel Rails, Add	*19.69*	
		For 304 Stainless Steel, Add	*210.21*	
		For 316 Stainless Steel, Add	*236.48*	
		For 2" Wheel Guard, Add	*6.24*	
		For 4" High Kick Plate, Add	*8.21*	
		For 6" High Kick Plate, Add	*13.14*	
		For Curved Rail, Add	*49.24*	
		For Mounting On Stairs, Add	*29.53*	
		For Mounting On Slopes, Add	*9.84*	
		For Post Base Flange With Screws, Add Per Post	*20.77*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.41*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*41.03*	
		For Nylon Coating, Add	*9.85*	
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	106.62	16.37
		For Schedule 80 Handrail, Add	*14.59*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.25*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.47*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.38*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*98.32*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.26*	
		For Aluminum, Satin Finish, Add	*31.03*	
		For Aluminum, Clear Anodized Finish, Add	*48.02*	
		For Aluminum, Dark Anodized Finish, Add	*55.41*	
		For Galvanizing, Add	*29.55*	
		For Wrought Iron, Add	*10.66*	
		For Solid Steel Rails, Add	*21.32*	
		For 304 Stainless Steel, Add	*236.42*	
		For 316 Stainless Steel, Add	*265.97*	
		For 2" Wheel Guard, Add	*7.02*	
		For 4" High Kick Plate, Add	*9.24*	
		For 6" High Kick Plate, Add	*14.78*	
		For Curved Rail, Add	*54.15*	
		For Mounting On Stairs, Add	*31.99*	
		For Mounting On Slopes, Add	*10.66*	
		For Post Base Flange With Screws, Add Per Post	*20.77*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.41*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*45.13*	
		For Nylon Coating, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	114.80	16.37
		For Schedule 80 Handrail, Add	*14.59*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.52*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.08*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-32.00*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.79*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*19.98*	
		For Aluminum, Satin Finish, Add	*34.47*	
		For Aluminum, Clear Anodized Finish, Add	*53.34*	
		For Aluminum, Dark Anodized Finish, Add	*61.55*	
		For Galvanizing, Add	*32.82*	
		For Wrought Iron, Add	*11.48*	
		For Solid Steel Rails, Add	*22.96*	
		For 304 Stainless Steel, Add	*262.59*	
		For 316 Stainless Steel, Add	*295.42*	
		For 2" Wheel Guard, Add	*7.80*	
		For 4" High Kick Plate, Add	*10.26*	
		For 6" High Kick Plate, Add	*16.41*	
		For Curved Rail, Add	*59.06*	
		For Mounting On Stairs, Add	*34.44*	
		For Mounting On Slopes, Add	*11.48*	
		For Post Base Flange With Screws, Add Per Post	*20.77*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.41*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*49.22*	
		For Nylon Coating, Add	*12.31*	
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	133.03	16.37
		For Schedule 80 Handrail, Add	*16.49*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.07*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-33.10*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-39.11*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.71*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.97*	
		For Aluminum, Satin Finish, Add	*42.12*	
		For Aluminum, Clear Anodized Finish, Add	*65.19*	
		For Aluminum, Dark Anodized Finish, Add	*75.22*	
		For Galvanizing, Add	*40.12*	
		For Wrought Iron, Add	*13.30*	
		For Solid Steel Rails, Add	*26.61*	
		For 304 Stainless Steel, Add	*320.93*	
		For 316 Stainless Steel, Add	*361.04*	
		For 2" Wheel Guard, Add	*9.53*	
		For 4" High Kick Plate, Add	*12.54*	
		For 6" High Kick Plate, Add	*20.06*	
		For Curved Rail, Add	*70.00*	
		For Mounting On Stairs, Add	*39.91*	
		For Mounting On Slopes, Add	*13.30*	
		For Post Base Flange With Screws, Add Per Post	*20.77*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.41*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*58.33*	
		For Nylon Coating, Add	*15.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	154.39	16.37
		For Schedule 80 Handrail, Add	*18.42*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*60.16*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.34*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.50*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.42*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.63*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.84*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.77*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*69.10*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.42*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.60*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*69.21*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.97*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.80*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.97*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.80*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*137.14*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.14*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.44*	
		For ADA Handrail P-Loop End Return, Add Per Each	*182.55*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*26.54*	
		For Aluminum, Satin Finish, Add	*51.09*	
		For Aluminum, Clear Anodized Finish, Add	*79.07*	
		For Aluminum, Dark Anodized Finish, Add	*91.24*	
		For Galvanizing, Add	*48.66*	
		For Wrought Iron, Add	*15.44*	
		For Solid Steel Rails, Add	*30.88*	
		For 304 Stainless Steel, Add	*389.28*	
		For 316 Stainless Steel, Add	*437.94*	
		For 2" Wheel Guard, Add	*11.56*	
		For 4" High Kick Plate, Add	*15.21*	
		For 6" High Kick Plate, Add	*24.33*	
		For Curved Rail, Add	*82.81*	
		For Mounting On Stairs, Add	*46.32*	
		For Mounting On Slopes, Add	*15.44*	
		For Post Base Flange With Screws, Add Per Post	*20.77*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.41*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*69.01*	
		For Nylon Coating, Add	*18.25*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.81
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.79
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.65
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.85

05 52 13 00-0032 Perforated Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.51
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	16.03
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	17.16
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	34.45

05 52 13 00-0037 Expanded Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	7.00
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	14.30
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.77
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.99

05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.84	7.02
		For Schedule 80 Handrail, Add	*2.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.91*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.36*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.70*	
		For Stainless Steel, Add	*44.60*	
		For Aluminum, Satin Finish, Add	*9.37*	
		For Curved Rail, Add	*11.95*	
		For Aluminum, Clear Anodized Finish, Add	*14.50*	
		For Aluminum, Dark Anodized Finish, Add	*16.73*	
		For Galvanized Finish, Add	*6.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.56	7.02
		For Schedule 80 Handrail, Add	*3.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.60*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.98*	
		For Stainless Steel, Add	*46.04*	
		For Aluminum, Satin Finish, Add	*9.67*	
		For Curved Rail, Add	*12.17*	
		For Aluminum, Clear Anodized Finish, Add	*14.96*	
		For Aluminum, Dark Anodized Finish, Add	*17.27*	
		For Galvanized Finish, Add	*6.91*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.28	7.02
		For Schedule 80 Handrail, Add	*9.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.22*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.83*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.26*	
		For Stainless Steel, Add	*47.48*	
		For Aluminum, Satin Finish, Add	*9.97*	
		For Curved Rail, Add	*12.38*	
		For Aluminum, Clear Anodized Finish, Add	*15.43*	
		For Aluminum, Dark Anodized Finish, Add	*17.81*	
		For Galvanized Finish, Add	*7.12*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.55	7.02
		For Schedule 80 Handrail, Add	*4.07*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.04*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.56*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.48*	
		For Stainless Steel, Add	*64.02*	
		For Aluminum, Satin Finish, Add	*13.44*	
		For Curved Rail, Add	*14.87*	
		For Aluminum, Clear Anodized Finish, Add	*20.81*	
		For Aluminum, Dark Anodized Finish, Add	*24.01*	
		For Galvanized Finish, Add	*9.60*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	56.39	7.02
		For Schedule 80 Handrail, Add	*4.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.71*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.82*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.15*	
		For Stainless Steel, Add	*77.70*	
		For Aluminum, Satin Finish, Add	*16.32*	
		For Curved Rail, Add	*16.92*	
		For Aluminum, Clear Anodized Finish, Add	*25.25*	
		For Aluminum, Dark Anodized Finish, Add	*29.14*	
		For Galvanized Finish, Add	*11.66*	

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.29	7.37
		For Schedule 80 Handrail, Add	*2.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.77*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.15*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.99*	
		For Stainless Steel, Add	*61.50*	
		For Aluminum, Satin Finish, Add	*12.92*	
		For Curved Rail, Add	*14.49*	
		For Aluminum, Clear Anodized Finish, Add	*19.99*	
		For Aluminum, Dark Anodized Finish, Add	*23.06*	
		For Galvanized Finish, Add	*9.23*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.30	7.37
		For Schedule 80 Handrail, Add	*3.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.99*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.39*	
		For Stainless Steel, Add	*63.52*	
		For Aluminum, Satin Finish, Add	*13.34*	
		For Curved Rail, Add	*14.79*	
		For Aluminum, Clear Anodized Finish, Add	*20.64*	
		For Aluminum, Dark Anodized Finish, Add	*23.82*	
		For Galvanized Finish, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	50.06	7.37
		For Schedule 80 Handrail, Add	*9.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.15*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.13*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.73*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.68*	
		For Stainless Steel, Add	*65.04*	
		For Aluminum, Satin Finish, Add	*13.66*	
		For Curved Rail, Add	*15.02*	
		For Aluminum, Clear Anodized Finish, Add	*21.14*	
		For Aluminum, Dark Anodized Finish, Add	*24.39*	
		For Galvanized Finish, Add	*9.76*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	61.60	7.37
		For Schedule 80 Handrail, Add	*4.07*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.69*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.02*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.54*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.18*	
		For Stainless Steel, Add	*88.12*	
		For Aluminum, Satin Finish, Add	*18.51*	
		For Curved Rail, Add	*18.48*	
		For Aluminum, Clear Anodized Finish, Add	*28.64*	
		For Aluminum, Dark Anodized Finish, Add	*33.05*	
		For Galvanized Finish, Add	*13.22*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	69.16	7.37
		For Schedule 80 Handrail, Add	*4.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.91*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.13*	
		For Stainless Steel, Add	*103.24*	
		For Aluminum, Satin Finish, Add	*21.68*	
		For Curved Rail, Add	*20.75*	
		For Aluminum, Clear Anodized Finish, Add	*33.55*	
		For Aluminum, Dark Anodized Finish, Add	*38.72*	
		For Galvanized Finish, Add	*15.49*	

05 52 13 00-0054 Remove And Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	26.30
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	35.05
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	69.83
		For Stainless Steel, Add	*69.52*

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.40	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.02*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.30	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.14*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.55	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	24.20	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.84	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.43*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.73	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.81	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.38*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.92	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	34.26	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.89*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.37	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.14*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.19	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.01*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	43.81	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.71	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.25*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	53.33	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.37*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	27.24	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.34*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	33.54	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	29.93	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.41*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	40.75	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.68*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	33.54	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	45.75	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	37.32	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.59*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	51.58	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.32*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	56.86	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.45*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	61.17	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.56*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	65.30	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.66*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	68.87	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.75*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.20	1.28
		For Bearing Bars At 15/16" On-Center, Add	*4.27*	
		For Crossbars At 2" On-Center, Add	*1.58*	
		For Set In Place Without Bolting, Deduct	*-2.09*	
		For Powder Coating, Add	*2.19*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.19	1.28
		For Bearing Bars At 15/16" On-Center, Add	*6.02*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
		For Powder Coating, Add	*3.09*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.90	1.28
		For Bearing Bars At 15/16" On-Center, Add	*5.64*	
		For Crossbars At 2" On-Center, Add	*2.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.21*	
		For Powder Coating, Add	*2.90*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	29.65	1.28
		For Bearing Bars At 7/16" On-Center, Add	*39.27*	
		For Bearing Bars At 15/16" On-Center, Add	*7.91*	
		For Crossbars At 2" On-Center, Add	*2.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.40*	
		For Powder Coating, Add	*4.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.31	1.28
		For Bearing Bars At 15/16" On-Center, Add	*6.64*	
		For Crossbars At 2" On-Center, Add	*2.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.29*	
		For Powder Coating, Add	*3.41*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.76	1.28
		For Bearing Bars At 15/16" On-Center, Add	*9.11*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.50*	
		For Powder Coating, Add	*4.68*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.52	1.28
		For Bearing Bars At 15/16" On-Center, Add	*7.58*	
		For Crossbars At 2" On-Center, Add	*2.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.37*	
		For Powder Coating, Add	*3.89*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.00	1.28
		For Bearing Bars At 7/16" On-Center, Add	*51.37*	
		For Bearing Bars At 15/16" On-Center, Add	*10.35*	
		For Crossbars At 2" On-Center, Add	*3.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.61*	
		For Powder Coating, Add	*5.31*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.06	1.28
		For Bearing Bars At 15/16" On-Center, Add	*11.53*	
		For Crossbars At 2" On-Center, Add	*4.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.71*	
		For Powder Coating, Add	*5.92*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	46.86	1.28
		For Bearing Bars At 15/16" On-Center, Add	*12.93*	
		For Crossbars At 2" On-Center, Add	*4.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.83*	
		For Powder Coating, Add	*6.64*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	50.64	1.28
		For Bearing Bars At 15/16" On-Center, Add	*14.04*	
		For Crossbars At 2" On-Center, Add	*5.19*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.92*	
		For Powder Coating, Add	*7.21*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.13	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.35*	
		For Crossbars At 2" On-Center, Add	*5.68*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.04*	
		For Powder Coating, Add	*7.88*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	44.60	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.77*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	49.78	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.90*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	54.41	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	62.36	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.59*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	70.34	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.79*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	78.28	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.99*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	86.26	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.19*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	20.25	1.28
		For Bearing Bars At 15/16" On-Center, Add	*11.32*	
		For Crossbars At 2" On-Center, Add	*1.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
		For Powder Coating, Add	*2.65*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	26.16	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.10*	
		For Crossbars At 2" On-Center, Add	*1.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.31*	
		For Powder Coating, Add	*3.54*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	22.91	1.28
		For Bearing Bars At 15/16" On-Center, Add	*13.02*	
		For Crossbars At 2" On-Center, Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.23*	
		For Powder Coating, Add	*3.05*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	30.14	1.28
		For Bearing Bars At 15/16" On-Center, Add	*17.64*	
		For Crossbars At 2" On-Center, Add	*2.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.41*	
		For Powder Coating, Add	*4.14*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	26.06	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.03*	
		For Crossbars At 2" On-Center, Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.31*	
		For Powder Coating, Add	*3.52*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	34.41	1.28
		For Bearing Bars At 15/16" On-Center, Add	*20.38*	
		For Crossbars At 2" On-Center, Add	*2.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.52*	
		For Powder Coating, Add	*4.78*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	39.32	1.28
		For Bearing Bars At 15/16" On-Center, Add	*23.52*	
		For Crossbars At 2" On-Center, Add	*2.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.64*	
		For Powder Coating, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.20	1.28
		For Bearing Bars At 15/16" On-Center, Add	*26.64*	
		For Crossbars At 2" On-Center, Add	*3.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.76*	
		For Powder Coating, Add	*6.24*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.11	1.28
		For Bearing Bars At 15/16" On-Center, Add	*29.79*	
		For Crossbars At 2" On-Center, Add	*3.72*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.89*	
		For Powder Coating, Add	*6.98*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.00	1.28
		For Bearing Bars At 15/16" On-Center, Add	*32.92*	
		For Crossbars At 2" On-Center, Add	*4.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.01*	
		For Powder Coating, Add	*7.71*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	84.77	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.78*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	99.82	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.15*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	91.70	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.95*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	105.55	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.30*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	97.44	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.09*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	116.23	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.56*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	103.54	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.62*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	123.63	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	133.88	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.38*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	156.77	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.95*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	164.75	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.15*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	171.85	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.33*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	42.94	1.28
		For 5/8" Clear Opening, Add	*13.93*	
		For Powder Coating, Add	*6.06*	
		For Set In Place Without Bolting, Deduct	*-2.73*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	50.92	1.28
		For 5/8" Clear Opening, Add	*16.68*	
		For Powder Coating, Add	*7.25*	
		For Set In Place Without Bolting, Deduct	*-2.93*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	47.20	1.28
		For 5/8" Clear Opening, Add	*15.40*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.69*	
		For Set In Place Without Bolting, Deduct	*-2.84*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	55.00	1.28
		For 5/8" Clear Opening, Add	*18.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.86*	
		For Set In Place Without Bolting, Deduct	*-3.03*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	52.91	1.28
		For 5/8" Clear Opening, Add	*17.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.55*	
		For Set In Place Without Bolting, Deduct	*-2.98*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	63.74	1.28
		For 5/8" Clear Opening, Add	*21.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.18*	
		For Set In Place Without Bolting, Deduct	*-3.25*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	56.81	1.28
		For 5/8" Clear Opening, Add	*18.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.14*	
		For Set In Place Without Bolting, Deduct	*-3.08*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	70.56	1.28
		For 5/8" Clear Opening, Add	*23.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.20*	
		For Set In Place Without Bolting, Deduct	*-3.42*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	77.77	1.28
		For 5/8" Clear Opening, Add	*25.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.28*	
		For Set In Place Without Bolting, Deduct	*-3.60*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	92.58	1.28
		For 5/8" Clear Opening, Add	*31.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.50*	
		For Set In Place Without Bolting, Deduct	*-3.97*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	100.98	1.28
		For 5/8" Clear Opening, Add	*33.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.76*	
		For Set In Place Without Bolting, Deduct	*-4.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	112.25	1.28
		For 5/8" Clear Opening, Add	*37.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.45*	
		For Set In Place Without Bolting, Deduct	*-4.46*	

05 53 16 Plank Gratings *(05 53)*

05 53 16 00-0001 Grate-Lock Steel Plank Grating *(05 53 16)*

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.75	0.99
		For Stair Tread Application, Add	*2.17*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	20.04	1.23
		For Stair Tread Application, Add	*2.37*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	21.13	1.34
		For Stair Tread Application, Add	*2.52*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	23.07	1.46
		For Stair Tread Application, Add	*2.75*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.84	1.11
		For Stair Tread Application, Add	*2.62*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	24.31	1.34
		For Stair Tread Application, Add	*2.83*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	28.04	1.28
		For Stair Tread Application, Add	*3.19*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.85	1.58
		For Stair Tread Application, Add	*3.46*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	31.97	1.98
		For Stair Tread Application, Add	*3.79*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	35.28	2.22
		For Stair Tread Application, Add	*4.19*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	20.98	1.52
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	24.03	1.52
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	30.16	1.52
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	40.38	1.63
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	51.38	1.76

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.90	1.28
		For Powder Coating, Add	*4.40*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	36.61	1.52
		For Powder Coating, Add	*5.05*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	41.34	1.63
		For Powder Coating, Add	*5.71*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.36	1.76
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	47.05	1.98
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.95	2.34

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	78.03	7.87
		For 3/8" Thick, Add	*16.36*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	85.83	7.87
		For 3/8" Thick, Add	*18.31*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	93.60	7.87
		For 3/8" Thick, Add	*20.25*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	101.43	7.87
		For 3/8" Thick, Add	*22.21*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	109.18	7.87
		For 3/8" Thick, Add	*24.15*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	108.27	7.87
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	119.82	7.87
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	131.40	7.87
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	142.95	7.87
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	154.53	7.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0013		Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	41.55	7.87
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	48.62	7.87
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	51.73	7.87
05 55 13 00-0017		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	61.05	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	61.64	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	74.35	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	85.48	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	100.00	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0023		Stair Landing Treads *(05 55 13)*		
05 55 13 00-0024		Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	109.18	7.87
		For 3/8" Thick, Add	*24.15*	
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	154.53	7.87
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	101.28	7.87
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
05 55 13 00-0030		Open Cast Iron Stair Tread *(05 55 13)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	734.23	46.76
		For Closed Riser, Add	*62.88*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	823.76	53.78
		For Closed Riser, Add	*70.38*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	907.56	63.13
		For Closed Riser, Add	*77.44*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	33.15	5.37
		For 3/8" Thick, Add	*6.14*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	40.68	5.37
		For 3/8" Thick, Add	*8.02*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	57.46	5.37
		For 3/8" Thick, Add	*12.22*	
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	38.64	5.37
		For 3/8" Thick, Add	*7.51*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	47.91	5.37
		For 3/8" Thick, Add	*9.83*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	66.24	5.37
		For 3/8" Thick, Add	*14.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.05	5.37
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.68	5.37
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	34.45	5.37
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	43.06	5.37
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	29.03	5.37
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.12	5.37
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	35.18	5.37
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.32	5.37

05 56 Metal Castings *(05 50)*

05 56 00 00-0001		Castings *(05 56)*		
05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.79	0.59
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.90	0.47

05 58 Formed Metal Fabrications *(05 50)*

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	120.89	7.43
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	119.42	7.43
05 58 16 00-0004	SF	Aluminum Drip Pan	83.86	5.95
05 58 16 00-0005	SF	Plastic Drip Pan	21.91	5.20

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	224.78	25.78
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	263.77	25.78
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	300.56	25.78
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	339.55	25.78
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	376.55	25.78
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	424.50	25.78
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	457.18	25.78
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	507.77	25.78
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	540.96	25.78
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	564.68	25.78
05 58 23 00-0014		Posts For 2-Rib Guard Rails *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	453.11	53.70
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	588.54	53.70
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	248.28	25.78
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	274.21	25.78
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	306.56	25.78
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	336.81	25.78
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	371.80	25.78
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	388.67	25.78
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	429.25	25.78
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	463.50	25.78
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	499.86	25.78
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	536.75	25.78
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	364.95	25.78
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	393.41	25.78
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	422.92	25.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	457.18	25.78
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	491.43	25.78
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	519.36	25.78
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	551.50	25.78
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	587.87	25.78
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	626.86	25.78
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	661.12	25.78

05 58 23 00-0040 Posts For 3-Rib Guard Rails *(05 58 23 00-0017)*

Note: Includes drilling, surface mounting plate and anchors.

05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	399.15	53.70
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	508.97	53.70

05 58 23 00-0043 All-Welded, Protective Guards *(05 58 23)*

Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0044 All-Welded, Protective Guards *(05 58 23 00-0043)*

05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	521.06	71.61
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	547.41	71.61
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	562.70	71.61
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	585.36	71.61
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	580.09	71.61
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	608.02	71.61
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	615.92	71.61
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	624.88	71.61
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	667.56	71.61

05 58 23 00-0054 Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*

05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	684.43	71.61
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	716.05	71.61
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	729.22	71.61
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	794.04	71.61

05 58 23 00-0059 Warehouse Safety Bollards *(05 58 23)*

Note: Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	319.71	53.70
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	371.78	53.70
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	426.90	53.70
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	441.97	53.70
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	476.75	53.70

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.77	1.13
		For Plastic Dipped, Add	*0.68*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.62	1.51
		For Plastic Dipped, Add	*0.84*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.58	3.00
		For Plastic Dipped, Add	*1.14*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.77	5.07
		For Plastic Dipped, Add	*1.74*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	36.75	8.57
		For Plastic Dipped, Add	*2.94*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	51.58	12.02
		For Plastic Dipped, Add	*4.13*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	70.42	15.02
		For Plastic Dipped, Add	*6.06*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	101.97	20.02
		For Plastic Dipped, Add	*9.29*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	166.05	30.04
		For Plastic Dipped, Add	*15.90*	

05 59 65 00-0011 316L Stainless Steel Chain, Cut Length *(05 59 65)*

05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,620.30	100.09
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,223.97	120.17
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	4,041.28	150.21
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,459.16	200.32
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	6,221.51	300.41
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	9,396.49	500.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001 Woven And Welded Wire Cloth *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*

05 59 69 00-0003 2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels	8.95	3.21
		For Up To 2, Add	*2.65*	
		For >2 To 6, Add	*1.54*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.70*	
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.80*	
		For 304 Stainless Steel, Add	*11.21*	
		For 316 Stainless Steel, Add	*12.84*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	9.59	3.34
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.63*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.77*	
		For Galvanized, Add	*2.26*	
		For Aluminum, Add	*3.08*	
		For 304 Stainless Steel, Add	*12.31*	
		For 316 Stainless Steel, Add	*14.11*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	10.25	3.70
		For Up To 2, Add	*3.04*	
		For >2 To 6, Add	*1.77*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.80*	
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.74*	
		For 316 Stainless Steel, Add	*14.60*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	10.78	3.86
		For Up To 2, Add	*3.18*	
		For >2 To 6, Add	*1.85*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.85*	
		For Galvanized, Add	*2.48*	
		For Aluminum, Add	*3.38*	
		For 304 Stainless Steel, Add	*13.54*	
		For 316 Stainless Steel, Add	*15.51*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	11.83	4.32
		For Up To 2, Add	*3.52*	
		For >2 To 6, Add	*2.05*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	13.54	4.82
		For Up To 2, Add	*3.99*	
		For >2 To 6, Add	*2.32*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.13*	
		For Aluminum, Add	*4.27*	
		For 304 Stainless Steel, Add	*17.06*	
		For 316 Stainless Steel, Add	*19.55*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	15.29	5.30
		For Up To 2, Add	*4.47*	
		For >2 To 6, Add	*2.59*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.94*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.63*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	17.47	5.89
		For Up To 2, Add	*5.06*	
		For >2 To 6, Add	*2.92*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.44*	
		For Galvanized, Add	*4.23*	
		For Aluminum, Add	*5.77*	
		For 304 Stainless Steel, Add	*23.09*	
		For 316 Stainless Steel, Add	*26.46*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	9.39	3.40
		For Up To 2, Add	*2.78*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.14*	
		For Aluminum, Add	*2.92*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.37*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	10.29	3.58
		For Up To 2, Add	*3.01*	
		For >2 To 6, Add	*1.75*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.83*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*3.31*	
		For 304 Stainless Steel, Add	*13.22*	
		For 316 Stainless Steel, Add	*15.15*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	11.11	4.01
		For Up To 2, Add	*3.29*	
		For >2 To 6, Add	*1.92*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.86*	
		For Galvanized, Add	*2.53*	
		For Aluminum, Add	*3.45*	
		For 304 Stainless Steel, Add	*13.80*	
		For 316 Stainless Steel, Add	*15.81*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels	11.59	4.14
		For Up To 2, Add	*3.42*	
		For >2 To 6, Add	*1.99*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	12.72	4.65
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.20*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.87*	
		For Aluminum, Add	*3.91*	
		For 304 Stainless Steel, Add	*15.65*	
		For 316 Stainless Steel, Add	*17.93*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels	14.57	5.19
		For Up To 2, Add	*4.30*	
		For >2 To 6, Add	*2.50*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.59*	
		For 304 Stainless Steel, Add	*18.36*	
		For 316 Stainless Steel, Add	*21.04*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels	16.45	5.70
		For Up To 2, Add	*4.81*	
		For >2 To 6, Add	*2.79*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.33*	
		For Galvanized, Add	*3.89*	
		For Aluminum, Add	*5.31*	
		For 304 Stainless Steel, Add	*21.24*	
		For 316 Stainless Steel, Add	*24.34*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	18.80	6.33
		For Up To 2, Add	*5.45*	
		For >2 To 6, Add	*3.15*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.55*	
		For Galvanized, Add	*4.55*	
		For Aluminum, Add	*6.21*	
		For 304 Stainless Steel, Add	*24.84*	
		For 316 Stainless Steel, Add	*28.46*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels	10.41	3.78
		For Up To 2, Add	*3.09*	
		For >2 To 6, Add	*1.79*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.37*	
		For Aluminum, Add	*3.23*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels	11.37	3.97
		For Up To 2, Add	*3.33*	
		For >2 To 6, Add	*1.93*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.68*	
		For Aluminum, Add	*3.65*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.75*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	12.16	4.39
		For Up To 2, Add	*3.61*	
		For >2 To 6, Add	*2.10*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.94*	
		For Galvanized, Add	*2.77*	
		For Aluminum, Add	*3.77*	
		For 304 Stainless Steel, Add	*15.10*	
		For 316 Stainless Steel, Add	*17.30*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels	12.79	4.58
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	14.00	5.12
		For Up To 2, Add	*4.17*	
		For >2 To 6, Add	*2.42*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.08*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.21*	
		For 316 Stainless Steel, Add	*19.72*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels	15.92	5.67
		For Up To 2, Add	*4.70*	
		For >2 To 6, Add	*2.73*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.68*	
		For Aluminum, Add	*5.02*	
		For 304 Stainless Steel, Add	*20.06*	
		For 316 Stainless Steel, Add	*22.99*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels	17.98	6.23
		For Up To 2, Add	*5.26*	
		For >2 To 6, Add	*3.04*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.45*	
		For Galvanized, Add	*4.26*	
		For Aluminum, Add	*5.81*	
		For 304 Stainless Steel, Add	*23.23*	
		For 316 Stainless Steel, Add	*26.62*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels	20.49	6.91
		For Up To 2, Add	*5.94*	
		For >2 To 6, Add	*3.43*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.69*	
		For Galvanized, Add	*4.97*	
		For Aluminum, Add	*6.77*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*31.05*	
05 59 69 00-0030		1-1/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels	10.73	4.07
		For Up To 2, Add	*3.24*	
		For >2 To 6, Add	*1.89*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.79*	
		For Galvanized, Add	*2.32*	
		For Aluminum, Add	*3.17*	
		For 304 Stainless Steel, Add	*12.67*	
		For 316 Stainless Steel, Add	*14.52*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels	11.56	4.28
		For Up To 2, Add	*3.45*	
		For >2 To 6, Add	*2.01*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.57*	
		For Aluminum, Add	*3.51*	
		For 304 Stainless Steel, Add	*14.04*	
		For 316 Stainless Steel, Add	*16.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	12.49	4.46
		For Up To 2, Add	*3.69*	
		For >2 To 6, Add	*2.14*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.88*	
		For Aluminum, Add	*3.92*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.99*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels	12.86	4.55
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.20*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*2.99*	
		For Aluminum, Add	*4.08*	
		For 304 Stainless Steel, Add	*16.32*	
		For 316 Stainless Steel, Add	*18.70*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	14.00	5.13
		For Up To 2, Add	*4.17*	
		For >2 To 6, Add	*2.43*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.18*	
		For 316 Stainless Steel, Add	*19.69*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels	15.77	5.77
		For Up To 2, Add	*4.69*	
		For >2 To 6, Add	*2.73*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.21*	
		For Galvanized, Add	*3.56*	
		For Aluminum, Add	*4.85*	
		For 304 Stainless Steel, Add	*19.39*	
		For 316 Stainless Steel, Add	*22.22*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	17.88	6.36
		For Up To 2, Add	*5.27*	
		For >2 To 6, Add	*3.06*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.41*	
		For Galvanized, Add	*4.13*	
		For Aluminum, Add	*5.63*	
		For 304 Stainless Steel, Add	*22.54*	
		For 316 Stainless Steel, Add	*25.82*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels	20.08	6.96
		For Up To 2, Add	*5.87*	
		For >2 To 6, Add	*3.40*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.62*	
		For Galvanized, Add	*4.76*	
		For Aluminum, Add	*6.49*	
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.73*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	22.92	7.73
		For Up To 2, Add	*6.64*	
		For >2 To 6, Add	*3.84*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.89*	
		For Galvanized, Add	*5.56*	
		For Aluminum, Add	*7.58*	
		For 304 Stainless Steel, Add	*30.31*	
		For 316 Stainless Steel, Add	*34.73*	

05 59 69 00-0040 1" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels	12.27	4.78
		For Up To 2, Add	*3.73*	
		For >2 To 6, Add	*2.18*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.89*	
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.55*	
		For 304 Stainless Steel, Add	*14.18*	
		For 316 Stainless Steel, Add	*16.25*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.13	4.97
		For Up To 2, Add	*3.95*	
		For >2 To 6, Add	*2.31*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*2.86*	
		For Aluminum, Add	*3.89*	
		For 304 Stainless Steel, Add	*15.58*	
		For 316 Stainless Steel, Add	*17.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	13.66	5.19
		For Up To 2, Add	*4.12*	
		For >2 To 6, Add	*2.41*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels	14.56	5.26
		For Up To 2, Add	*4.32*	
		For >2 To 6, Add	*2.51*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.13*	
		For Galvanized, Add	*3.31*	
		For Aluminum, Add	*4.52*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.71*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	16.22	5.94
		For Up To 2, Add	*4.83*	
		For >2 To 6, Add	*2.81*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.65*	
		For Aluminum, Add	*4.98*	
		For 304 Stainless Steel, Add	*19.92*	
		For 316 Stainless Steel, Add	*22.83*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	18.19	6.65
		For Up To 2, Add	*5.41*	
		For >2 To 6, Add	*3.15*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.40*	
		For Galvanized, Add	*4.10*	
		For Aluminum, Add	*5.59*	
		For 304 Stainless Steel, Add	*22.37*	
		For 316 Stainless Steel, Add	*25.63*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	20.73	7.38
		For Up To 2, Add	*6.11*	
		For >2 To 6, Add	*3.55*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.63*	
		For Galvanized, Add	*4.79*	
		For Aluminum, Add	*6.53*	
		For 304 Stainless Steel, Add	*26.14*	
		For 316 Stainless Steel, Add	*29.95*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	23.27	8.06
		For Up To 2, Add	*6.80*	
		For >2 To 6, Add	*3.94*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.88*	
		For Galvanized, Add	*5.51*	
		For Aluminum, Add	*7.51*	
		For 304 Stainless Steel, Add	*30.05*	
		For 316 Stainless Steel, Add	*34.43*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	26.47	8.92
		For Up To 2, Add	*7.67*	
		For >2 To 6, Add	*4.43*	
		For >15 To 40, Deduct	*-0.73*	
		For >40, Deduct	*-2.19*	
		For Galvanized, Add	*6.42*	
		For Aluminum, Add	*8.75*	
		For 304 Stainless Steel, Add	*34.99*	
		For 316 Stainless Steel, Add	*40.10*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	12.40	4.77
		For Up To 2, Add	*3.75*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.66*	
		For Aluminum, Add	*3.63*	
		For 304 Stainless Steel, Add	*14.52*	
		For 316 Stainless Steel, Add	*16.64*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	13.85	5.34
		For Up To 2, Add	*4.19*	
		For >2 To 6, Add	*2.45*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	15.37	6.04
		For Up To 2, Add	*4.68*	
		For >2 To 6, Add	*2.74*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.10*	
		For Galvanized, Add	*3.22*	
		For Aluminum, Add	*4.39*	
		For 304 Stainless Steel, Add	*17.57*	
		For 316 Stainless Steel, Add	*20.13*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	16.61	6.45
		For Up To 2, Add	*5.04*	
		For >2 To 6, Add	*2.95*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.20*	
		For Galvanized, Add	*3.52*	
		For Aluminum, Add	*4.81*	
		For 304 Stainless Steel, Add	*19.22*	
		For 316 Stainless Steel, Add	*22.03*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	19.14	7.24
		For Up To 2, Add	*5.76*	
		For >2 To 6, Add	*3.36*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.42*	
		For Galvanized, Add	*4.17*	
		For Aluminum, Add	*5.69*	
		For 304 Stainless Steel, Add	*22.75*	
		For 316 Stainless Steel, Add	*26.07*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels	21.95	8.10
		For Up To 2, Add	*6.55*	
		For >2 To 6, Add	*3.82*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.67*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*6.69*	
		For 304 Stainless Steel, Add	*26.76*	
		For 316 Stainless Steel, Add	*30.66*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels	24.92	8.95
		For Up To 2, Add	*7.37*	
		For >2 To 6, Add	*4.28*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.95*	
		For Galvanized, Add	*5.71*	
		For Aluminum, Add	*7.79*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*35.70*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels	27.83	9.74
		For Up To 2, Add	*8.16*	
		For >2 To 6, Add	*4.73*	
		For >15 To 40, Deduct	*-0.74*	
		For >40, Deduct	*-2.23*	
		For Galvanized, Add	*6.53*	
		For Aluminum, Add	*8.91*	
		For 304 Stainless Steel, Add	*35.64*	
		For 316 Stainless Steel, Add	*40.84*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels	31.64	10.77
		For Up To 2, Add	*9.20*	
		For >2 To 6, Add	*5.32*	
		For >15 To 40, Deduct	*-0.86*	
		For >40, Deduct	*-2.59*	
		For Galvanized, Add	*7.61*	
		For Aluminum, Add	*10.37*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*47.55*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels	12.99	5.11
		For Up To 2, Add	*3.96*	
		For >2 To 6, Add	*2.32*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.93*	
		For Galvanized, Add	*2.72*	
		For Aluminum, Add	*3.71*	
		For 304 Stainless Steel, Add	*14.86*	
		For 316 Stainless Steel, Add	*17.02*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels	15.28	6.20
		For Up To 2, Add	*4.71*	
		For >2 To 6, Add	*2.77*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.05*	
		For Galvanized, Add	*3.08*	
		For Aluminum, Add	*4.20*	
		For 304 Stainless Steel, Add	*16.80*	
		For 316 Stainless Steel, Add	*19.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels	18.41	7.34
		For Up To 2, Add	*5.64*	
		For >2 To 6, Add	*3.31*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.80*	
		For Aluminum, Add	*5.18*	
		For 304 Stainless Steel, Add	*20.71*	
		For 316 Stainless Steel, Add	*23.73*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	21.17	8.23
		For Up To 2, Add	*6.43*	
		For >2 To 6, Add	*3.76*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.53*	
		For Galvanized, Add	*4.48*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*24.46*	
		For 316 Stainless Steel, Add	*28.02*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels	24.23	9.19
		For Up To 2, Add	*7.30*	
		For >2 To 6, Add	*4.26*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.80*	
		For Galvanized, Add	*5.27*	
		For Aluminum, Add	*7.19*	
		For 304 Stainless Steel, Add	*28.75*	
		For 316 Stainless Steel, Add	*32.95*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels	27.71	10.24
		For Up To 2, Add	*8.28*	
		For >2 To 6, Add	*4.82*	
		For >15 To 40, Deduct	*-0.70*	
		For >40, Deduct	*-2.11*	
		For Galvanized, Add	*6.18*	
		For Aluminum, Add	*8.42*	
		For 304 Stainless Steel, Add	*33.70*	
		For 316 Stainless Steel, Add	*38.61*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels	31.26	11.26
		For Up To 2, Add	*9.25*	
		For >2 To 6, Add	*5.38*	
		For >15 To 40, Deduct	*-0.81*	
		For >40, Deduct	*-2.44*	
		For Galvanized, Add	*7.15*	
		For Aluminum, Add	*9.75*	
		For 304 Stainless Steel, Add	*39.00*	
		For 316 Stainless Steel, Add	*44.69*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels	34.82	12.21
		For Up To 2, Add	*10.22*	
		For >2 To 6, Add	*5.92*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels	36.44	13.44
		For Up To 2, Add	*10.87*	
		For >2 To 6, Add	*6.33*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF	11.03	4.39
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.10*	
		For 304 Stainless Steel, Add	*12.38*	
		For 316 Stainless Steel, Add	*14.19*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF	13.72	4.82
		For Galvanized, Add	*3.21*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*17.50*	
		For 316 Stainless Steel, Add	*20.05*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF	7.99	3.40
		For Galvanized, Add	*1.52*	
		For Aluminum, Add	*2.08*	
		For 304 Stainless Steel, Add	*8.30*	
		For 316 Stainless Steel, Add	*9.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF	8.73	3.70
		For Galvanized, Add	*1.67*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*9.10*	
		For 316 Stainless Steel, Add	*10.42*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF	9.92	4.39
		For Galvanized, Add	*1.78*	
		For Aluminum, Add	*2.43*	
		For 304 Stainless Steel, Add	*9.72*	
		For 316 Stainless Steel, Add	*11.14*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF	12.71	5.67
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.09*	
		For 304 Stainless Steel, Add	*12.36*	
		For 316 Stainless Steel, Add	*14.16*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF	7.05	3.34
		For Galvanized, Add	*1.14*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*6.22*	
		For 316 Stainless Steel, Add	*7.12*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF	7.86	3.58
		For Galvanized, Add	*1.36*	
		For Aluminum, Add	*1.85*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*8.47*	
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	8.96	4.01
		For Galvanized, Add	*1.58*	
		For Aluminum, Add	*2.16*	
		For 304 Stainless Steel, Add	*8.64*	
		For 316 Stainless Steel, Add	*9.90*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	14.19	6.65
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.77*	
		For 316 Stainless Steel, Add	*14.63*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	7.95	4.07
		For Galvanized, Add	*1.10*	
		For Aluminum, Add	*1.50*	
		For 304 Stainless Steel, Add	*6.00*	
		For 316 Stainless Steel, Add	*6.88*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	6.80	3.21
		For Galvanized, Add	*1.11*	
		For Aluminum, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.05*	
		For 316 Stainless Steel, Add	*6.93*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	7.85	3.78
		For Galvanized, Add	*1.25*	
		For Aluminum, Add	*1.70*	
		For 304 Stainless Steel, Add	*6.79*	
		For 316 Stainless Steel, Add	*7.78*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	12.03	5.11
		For Galvanized, Add	*2.30*	
		For Aluminum, Add	*3.14*	
		For 304 Stainless Steel, Add	*12.55*	
		For 316 Stainless Steel, Add	*14.38*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	480.67	58.46
		For Galvanized, Add	*254.63*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	547.35	64.30
		For Galvanized, Add	*293.13*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	605.58	70.15
		For Galvanized, Add	*325.70*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	648.98	76.00
		For Galvanized, Add	*347.90*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001 Railings; Vertical Square Bars At 6" *(05 73 23)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	80.21	12.86
			For Rake Or Angle Railings, Add	*11.20*	
			For Curved Railings, Add	*21.12*	
			For 4" On Center Standards, Add	*2.13*	
			For 4-1/2" On Center Standards, Add	*1.70*	
			For 5" On Center Standards, Add	*1.14*	
			For 5-1/2" On Center Standards, Add	*0.57*	
			For Each Field Bending Of Rails, Add	*15.46*	
			For Galvanized, Add	*3.97*	
	05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	222.63	17.54
			For Rake Or Angle Railings, Add	*22.82*	
			For Curved Railings, Add	*81.83*	
			For 4" On Center Standards, Add	*11.35*	
			For 4-1/2" On Center Standards, Add	*9.08*	
			For 5" On Center Standards, Add	*6.05*	
			For 5-1/2" On Center Standards, Add	*3.03*	
			For Each Field Bending Of Rails, Add	*20.32*	
	05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	164.50	29.22
			For Rake Or Angle Railings, Add	*22.59*	
			For Curved Railings, Add	*44.39*	
			For 4" On Center Standards, Add	*4.62*	
			For 4-1/2" On Center Standards, Add	*3.70*	
			For 5" On Center Standards, Add	*2.46*	
			For 5-1/2" On Center Standards, Add	*1.23*	
			For Each Field Bending Of Rails, Add	*28.22*	
	05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	301.02	23.39
			For Rake Or Angle Railings, Add	*30.69*	
			For Curved Railings, Add	*111.10*	
			For 4" On Center Standards, Add	*15.46*	
			For 4-1/2" On Center Standards, Add	*12.36*	
			For 5" On Center Standards, Add	*8.24*	
			For 5-1/2" On Center Standards, Add	*4.12*	
			For Each Field Bending Of Rails, Add	*26.24*	
	05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	420.78	35.66
			For Rake Or Angle Railings, Add	*35.90*	
			For Curved Railings, Add	*174.94*	
			For 4" On Center Standards, Add	*26.21*	
			For 4-1/2" On Center Standards, Add	*20.97*	
			For 5" On Center Standards, Add	*13.98*	
			For 5-1/2" On Center Standards, Add	*6.99*	
			For Each Field Bending Of Rails, Add	*20.33*	
	05 73 23 00-0007		**Laminated Metal Or Wood Handrails With Metal Supports** *(05 73 23)*		
	05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	183.06	5.85
			For Rake Or Angle Railings, Add	*14.45*	
			For Curved Railings, Add	*79.39*	
			For 4" On Center Standards, Add	*12.17*	
			For 4-1/2" On Center Standards, Add	*9.74*	
			For 5" On Center Standards, Add	*6.49*	
			For 5-1/2" On Center Standards, Add	*3.25*	
			For Each Field Bending Of Rails, Add	*7.70*	
			For Exterior Post-Installed Anchors, Add	*11.01*	
	05 73 23 00-0009		**Plain Handrails** *(05 73 23)*		
	05 73 23 00-0010	LF	2" Brass Handrail	62.30	12.75
	05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	129.06	46.16
	05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	58.23	23.14
	05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	97.36	46.16
	05 73 23 00-0014	LF	2" Stainless Steel Handrail	74.10	15.94
	05 73 23 00-0015		**Restoration Of Existing Metal Handrail And Railing** *(05 73 23)* Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.		
	05 73 23 00-0016	LF	Refinish Metal Handrail	12.38	
	05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	12.33	
	05 73 23 00-0018		**Remove And Reinstall Ornamental Railing** *(05 73 23)*		
	05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	107.56	

05 75 Decorative Formed Metal *(05 70)*

	05 75 00 00-0001		**Metal Sheets, Installed On Walls** *(05 75)* Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
	05 75 00 00-0002		**Copper Sheets, Installed On Walls** *(05 75 00 00-0001)* Note: Includes field fabrication.		
	05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.99	2.80
			For >16 To 200, Deduct	*-1.66*	
			For >200 To 500, Deduct	*-3.32*	
			For >500, Deduct	*-4.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	36.03	3.12
		For >16 To 200, Deduct	*-2.04*	
		For >200 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.87*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	39.41	3.36
		For >16 To 200, Deduct	*-2.22*	
		For >200 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.42*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	42.52	3.53
		For >16 To 200, Deduct	*-2.39*	
		For >200 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.91*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	48.35	3.70
		For >16 To 200, Deduct	*-2.70*	
		For >200 To 500, Deduct	*-5.39*	
		For >500, Deduct	*-7.81*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	60.88	3.87
		For >16 To 200, Deduct	*-3.33*	
		For >200 To 500, Deduct	*-6.67*	
		For >500, Deduct	*-9.71*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	71.12	4.04
		For >16 To 200, Deduct	*-3.86*	
		For >200 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-11.27*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	85.90	4.37
		For >16 To 200, Deduct	*-4.62*	
		For >200 To 500, Deduct	*-9.25*	
		For >500, Deduct	*-13.54*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	105.21	4.70
		For >16 To 200, Deduct	*-5.61*	
		For >200 To 500, Deduct	*-11.23*	
		For >500, Deduct	*-16.49*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	153.69	5.05
		For >16 To 200, Deduct	*-8.06*	
		For >200 To 500, Deduct	*-16.13*	
		For >500, Deduct	*-23.81*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.77	2.60
		For >16 To 200, Deduct	*-0.98*	
		For >200 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.76*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.81	2.80
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.09*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.37	2.94
		For >16 To 200, Deduct	*-1.19*	
		For >200 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.35*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	22.64	3.08
		For >16 To 200, Deduct	*-1.36*	
		For >200 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.86*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.82	3.22
		For >16 To 200, Deduct	*-1.53*	
		For >200 To 500, Deduct	*-3.07*	
		For >500, Deduct	*-4.36*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	29.80	3.36
		For >16 To 200, Deduct	*-1.74*	
		For >200 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.97*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	42.73	3.92
		For >16 To 200, Deduct	*-2.43*	
		For >200 To 500, Deduct	*-4.86*	
		For >500, Deduct	*-7.00*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	57.62	4.16
		For >16 To 200, Deduct	*-3.19*	
		For >200 To 500, Deduct	*-6.39*	
		For >500, Deduct	*-9.27*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	78.78	5.05
		For >16 To 200, Deduct	*-4.32*	
		For >200 To 500, Deduct	*-8.64*	
		For >500, Deduct	*-12.57*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	131.21	5.40
		For >16 To 200, Deduct	*-6.97*	
		For >200 To 500, Deduct	*-13.93*	
		For >500, Deduct	*-20.49*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	167.80	6.29
		For >16 To 200, Deduct	*-8.86*	
		For >200 To 500, Deduct	*-17.73*	
		For >500, Deduct	*-26.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0025		**Aluminum Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.73	2.80
		For >16 To 200, Deduct	*-0.85*	
		For >200 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.33*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	14.43	3.12
		For >16 To 200, Deduct	*-0.96*	
		For >200 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.63*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	16.06	3.36
		For >16 To 200, Deduct	*-1.06*	
		For >200 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.91*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	17.74	3.53
		For >16 To 200, Deduct	*-1.15*	
		For >200 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.19*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	19.42	3.70
		For >16 To 200, Deduct	*-1.25*	
		For >200 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.47*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	21.24	3.87
		For >16 To 200, Deduct	*-1.35*	
		For >200 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.77*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	23.47	4.04
		For >16 To 200, Deduct	*-1.48*	
		For >200 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.13*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	27.89	4.70
		For >16 To 200, Deduct	*-1.75*	
		For >200 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.89*	
05 75 00 00-0034		**Galvanized Steel Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.14	2.80
		For >16 To 200, Deduct	*-0.77*	
		For >200 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.09*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.36	3.12
		For >16 To 200, Deduct	*-0.85*	
		For >200 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.32*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.17	3.36
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.48*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.96	3.53
		For >16 To 200, Deduct	*-0.96*	
		For >200 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.62*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.96	3.70
		For >16 To 200, Deduct	*-1.03*	
		For >200 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.80*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	16.02	3.87
		For >16 To 200, Deduct	*-1.09*	
		For >200 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.98*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.65	4.04
		For >16 To 200, Deduct	*-1.19*	
		For >200 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.25*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	20.07	4.37
		For >16 To 200, Deduct	*-1.33*	
		For >200 To 500, Deduct	*-2.66*	
		For >500, Deduct	*-3.67*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	23.14	5.05
		For >16 To 200, Deduct	*-1.54*	
		For >200 To 500, Deduct	*-3.07*	
		For >500, Deduct	*-4.23*	
05 75 00 00-0044		**Galvanized Zinc-Plated Steel Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	14.59	2.65
		For >16 To 200, Deduct	*-0.99*	
		For >200 To 500, Deduct	*-1.99*	
		For >500, Deduct	*-2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	16.80	3.00
		For >16 To 200, Deduct	*-1.14*	
		For >200 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.12*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	18.98	3.33
		For >16 To 200, Deduct	*-1.28*	
		For >200 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.51*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	20.90	3.60
		For >16 To 200, Deduct	*-1.41*	
		For >200 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.86*	

END OF SECTION 05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	10.67	

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	44.97	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	48.47	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.00	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.94*	
		For >500, Deduct	*-5.59*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	19.12	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.32*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.89	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.49*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	38.92	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.06*	
		For >500, Deduct	*-9.92*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	9.04	4.29
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.18*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	10.09	4.73
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-4.69*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	9.15	4.29
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-4.19*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	10.03	4.58
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-4.50*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	17.02	4.73
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.38*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	15.37	4.73
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.22*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	16.81	5.30
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.05*	
		For >500, Deduct	*-5.74*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	19.02	5.58
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.42*	
		For >500, Deduct	*-6.26*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	10.02	4.01
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-4.27*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	12.33	4.29
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.71*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	13.98	4.43
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.51*	
		For >500, Deduct	*-4.98*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	15.49	4.58
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.74*	
		For >500, Deduct	*-5.31*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	10.91	4.01
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.07*	
		For >500, Deduct	*-4.36*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	12.02	4.29
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-4.67*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	13.90	4.43
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	16.44	4.58
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.40*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	71.79	
		For >10 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.12*	
		For >100 To 250, Deduct	*-10.25*	
		For >250 To 500, Deduct	*-17.59*	
		For >500, Deduct	*-24.93*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	99.69	
		For >10 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-20.07*	
		For >500, Deduct	*-28.29*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	122.55	
		For >10 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 250, Deduct	*-13.43*	
		For >250 To 500, Deduct	*-22.58*	
		For >500, Deduct	*-31.72*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	144.47	
		For >10 To 50, Deduct	*-2.72*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-15.38*	
		For >250 To 500, Deduct	*-25.79*	
		For >500, Deduct	*-36.20*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	233.04	
		For >10 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-21.96*	
		For >250 To 500, Deduct	*-36.37*	
		For >500, Deduct	*-50.79*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	312.78	
		For >10 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-13.19*	
		For >100 To 250, Deduct	*-26.37*	
		For >250 To 500, Deduct	*-43.14*	
		For >500, Deduct	*-59.91*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	84.11	
		For >10 To 50, Deduct	*-2.22*	
		For >50 To 100, Deduct	*-5.43*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-18.51*	
		For >500, Deduct	*-26.16*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	92.89	
		For >10 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.76*	
		For >100 To 250, Deduct	*-11.52*	
		For >250 To 500, Deduct	*-19.56*	
		For >500, Deduct	*-27.61*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	103.90	
		For >10 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 250, Deduct	*-12.50*	
		For >250 To 500, Deduct	*-21.18*	
		For >500, Deduct	*-29.86*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	127.99	
		For >10 To 50, Deduct	*-2.72*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 250, Deduct	*-14.56*	
		For >250 To 500, Deduct	*-24.56*	
		For >500, Deduct	*-34.56*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	164.75	
		For >10 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-9.27*	
		For >100 To 250, Deduct	*-18.54*	
		For >250 To 500, Deduct	*-31.25*	
		For >500, Deduct	*-43.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	183.78	
		For >10 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.92*	
		For >250 To 500, Deduct	*-33.47*	
		For >500, Deduct	*-47.01*	
06 05 23 00-0038		**Joist And Beam Hangers** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	9.59	4.01
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.97*	
		For >500, Deduct	*-4.23*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	10.67	4.29
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.54*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	14.79	4.43
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	16.07	4.58
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-3.79*	
		For >500, Deduct	*-5.36*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	24.34	4.87
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-4.48*	
		For >500, Deduct	*-6.30*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	28.92	5.01
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.86*	
06 05 23 00-0045		**Anchor And Ties** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	43.70	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	54.14	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.89	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	6.61	
06 05 23 00-0050		**Hurricane Ties** *(06 05 23)*		
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	10.54	4.43
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-5.00*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.79	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	10.03	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	12.86	4.43
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.23*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	21.03	
06 05 23 00-0056		**Post Column Bases** *(06 05 23)*		
		Note: Including nails.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	38.85	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	59.90	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	61.73	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	21.75	5.01
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.66*	
		For >500, Deduct	*-6.58*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	47.20	5.01
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.37*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	231.38	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 250, Deduct	*-15.86*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.59*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	241.08	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.44*	
		For >100 To 250, Deduct	*-16.88*	
		For >250 To 500, Deduct	*-26.94*	
		For >500, Deduct	*-36.99*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	149.25	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-11.76*	
		For >250 To 500, Deduct	*-19.07*	
		For >500, Deduct	*-26.38*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	236.09	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.32*	
		For >100 To 250, Deduct	*-16.63*	
		For >250 To 500, Deduct	*-26.56*	
		For >500, Deduct	*-36.49*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	246.87	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.59*	
		For >100 To 250, Deduct	*-17.17*	
		For >250 To 500, Deduct	*-27.37*	
		For >500, Deduct	*-37.57*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	252.18	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-17.22*	
		For >250 To 500, Deduct	*-27.38*	
		For >500, Deduct	*-37.53*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	255.05	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-17.80*	
		For >250 To 500, Deduct	*-28.38*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	255.05	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-17.80*	
		For >250 To 500, Deduct	*-28.38*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	294.50	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-19.34*	
		For >250 To 500, Deduct	*-30.55*	
		For >500, Deduct	*-41.76*	
		For Hot Dipped Galvanized, Add	*118.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	297.37	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.91*	
		For >250 To 500, Deduct	*-31.55*	
		For >500, Deduct	*-43.19*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	297.37	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.91*	
		For >250 To 500, Deduct	*-31.55*	
		For >500, Deduct	*-43.19*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	360.02	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-11.31*	
		For >100 To 250, Deduct	*-22.62*	
		For >250 To 500, Deduct	*-35.46*	
		For >500, Deduct	*-48.31*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	362.89	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 250, Deduct	*-23.19*	
		For >250 To 500, Deduct	*-36.47*	
		For >500, Deduct	*-49.75*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	362.89	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 250, Deduct	*-23.19*	
		For >250 To 500, Deduct	*-36.47*	
		For >500, Deduct	*-49.75*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4)	231.38	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 250, Deduct	*-15.86*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-34.59*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	241.08	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.44*	
		For >100 To 250, Deduct	*-16.88*	
		For >250 To 500, Deduct	*-26.94*	
		For >500, Deduct	*-36.99*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44)	149.25	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-11.76*	
		For >250 To 500, Deduct	*-19.07*	
		For >500, Deduct	*-26.38*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	236.09	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.32*	
		For >100 To 250, Deduct	*-16.63*	
		For >250 To 500, Deduct	*-26.56*	
		For >500, Deduct	*-36.49*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48)	246.87	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.59*	
		For >100 To 250, Deduct	*-17.17*	
		For >250 To 500, Deduct	*-27.37*	
		For >500, Deduct	*-37.57*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	252.18	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-17.22*	
		For >250 To 500, Deduct	*-27.38*	
		For >500, Deduct	*-37.53*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	255.05	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-17.80*	
		For >250 To 500, Deduct	*-28.38*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*99.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	255.05	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-17.80*	
		For >250 To 500, Deduct	*-28.38*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	294.50	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-19.34*	
		For >250 To 500, Deduct	*-30.55*	
		For >500, Deduct	*-41.76*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	297.37	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.91*	
		For >250 To 500, Deduct	*-31.55*	
		For >500, Deduct	*-43.19*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	297.37	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.91*	
		For >250 To 500, Deduct	*-31.55*	
		For >500, Deduct	*-43.19*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	360.02	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-11.31*	
		For >100 To 250, Deduct	*-22.62*	
		For >250 To 500, Deduct	*-35.46*	
		For >500, Deduct	*-48.31*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	362.89	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 250, Deduct	*-23.19*	
		For >250 To 500, Deduct	*-36.47*	
		For >500, Deduct	*-49.75*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	362.89	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 250, Deduct	*-23.19*	
		For >250 To 500, Deduct	*-36.47*	
		For >500, Deduct	*-49.75*	
		For Hot Dipped Galvanized, Add	*148.16*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	12.51	4.43
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.20*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.07	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.35*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.27	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.37*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.39	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.57*	
		For >500, Deduct	*-9.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.61	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.85*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.03	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.12*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.79	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.87*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.11	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.90*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.64	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-9.16*	
		For >500, Deduct	*-13.07*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.04	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 500, Deduct	*-9.73*	
		For >500, Deduct	*-13.88*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.85	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 500, Deduct	*-10.81*	
		For >500, Deduct	*-15.41*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.47	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.94*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.73	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.73*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.43	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.48*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.76	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-5.62*	
		For >250 To 500, Deduct	*-9.79*	
		For >500, Deduct	*-13.96*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	36.16	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-6.53*	
		For >250 To 500, Deduct	*-11.37*	
		For >500, Deduct	*-16.21*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	40.54	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.59*	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 500, Deduct	*-12.49*	
		For >500, Deduct	*-17.80*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.14	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.50*	
		For >500, Deduct	*-13.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.86	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.91*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-10.09*	
		For >500, Deduct	*-14.37*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	41.79	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-11.79*	
		For >500, Deduct	*-16.78*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.03	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-7.29*	
		For >250 To 500, Deduct	*-12.58*	
		For >500, Deduct	*-17.88*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	51.07	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-7.92*	
		For >250 To 500, Deduct	*-13.67*	
		For >500, Deduct	*-19.42*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	52.06	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.09*	
		For >100 To 250, Deduct	*-8.19*	
		For >250 To 500, Deduct	*-14.14*	
		For >500, Deduct	*-20.09*	

06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.43	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.58*	
		For >500, Deduct	*-9.39*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.80	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.60*	
		For >500, Deduct	*-9.42*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.21	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.63*	
		For >500, Deduct	*-9.47*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.00	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.70*	
		For >500, Deduct	*-10.99*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.53	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-10.17*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.57	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-10.95*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.03	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.71*	
		For >500, Deduct	*-10.99*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.04	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-9.26*	
		For >500, Deduct	*-13.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.60	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.66*	
		For >250 To 500, Deduct	*-9.85*	
		For >500, Deduct	*-14.04*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.31	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-10.91*	
		For >500, Deduct	*-15.56*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.64	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-7.75*	
		For >500, Deduct	*-11.05*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.66	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.77*	
		For >250 To 500, Deduct	*-8.30*	
		For >500, Deduct	*-11.83*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.53	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-12.59*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.34	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-14.11*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.71	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.61*	
		For >250 To 500, Deduct	*-11.49*	
		For >500, Deduct	*-16.37*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	41.73	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-7.24*	
		For >250 To 500, Deduct	*-12.58*	
		For >500, Deduct	*-17.92*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.67	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-9.76*	
		For >500, Deduct	*-13.88*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.32	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-10.28*	
		For >500, Deduct	*-14.61*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.54	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-11.93*	
		For >500, Deduct	*-16.95*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	46.90	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-7.28*	
		For >250 To 500, Deduct	*-12.57*	
		For >500, Deduct	*-17.86*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	53.34	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-8.04*	
		For >250 To 500, Deduct	*-13.84*	
		For >500, Deduct	*-19.65*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	56.80	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.42*	
		For >250 To 500, Deduct	*-14.50*	
		For >500, Deduct	*-20.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0141		304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.52	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.66*	
		For >500, Deduct	*-9.50*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.61	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.81*	
		For >500, Deduct	*-9.71*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.98	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-6.92*	
		For >500, Deduct	*-9.84*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.57	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-9.02*	
		For >500, Deduct	*-12.75*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.89	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.41*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.35	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-8.03*	
		For >500, Deduct	*-11.42*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	29.01	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-4.67*	
		For >250 To 500, Deduct	*-8.08*	
		For >500, Deduct	*-11.49*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	55.13	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-6.62*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-15.82*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	67.45	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-7.45*	
		For >250 To 500, Deduct	*-12.54*	
		For >500, Deduct	*-17.63*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	75.60	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-13.94*	
		For >500, Deduct	*-19.58*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.79	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.21*	
		For >500, Deduct	*-11.67*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.14	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-8.93*	
		For >500, Deduct	*-12.67*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	42.92	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-14.02*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	69.37	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-7.55*	
		For >250 To 500, Deduct	*-12.68*	
		For >500, Deduct	*-17.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	78.28	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-8.64*	
		For >250 To 500, Deduct	*-14.53*	
		For >500, Deduct	*-20.42*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.39	
		For >10 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-11.37*	
		For >250 To 500, Deduct	*-18.78*	
		For >500, Deduct	*-26.18*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	96.55	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-8.91*	
		For >250 To 500, Deduct	*-14.72*	
		For >500, Deduct	*-20.54*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	137.39	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-11.59*	
		For >250 To 500, Deduct	*-18.96*	
		For >500, Deduct	*-26.34*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	152.45	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 250, Deduct	*-12.56*	
		For >250 To 500, Deduct	*-20.49*	
		For >500, Deduct	*-28.42*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	226.27	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 250, Deduct	*-16.68*	
		For >250 To 500, Deduct	*-26.81*	
		For >500, Deduct	*-36.94*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	238.05	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 250, Deduct	*-17.49*	
		For >250 To 500, Deduct	*-28.09*	
		For >500, Deduct	*-38.69*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	30.18	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.46*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	33.85	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.83*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	36.53	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.83*	
		For >250 To 500, Deduct	*-8.25*	
		For >500, Deduct	*-11.67*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	43.06	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.37*	
		For >250 To 500, Deduct	*-9.13*	
		For >500, Deduct	*-12.89*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	59.40	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-6.19*	
		For >250 To 500, Deduct	*-10.36*	
		For >500, Deduct	*-14.53*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	64.79	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-6.67*	
		For >250 To 500, Deduct	*-11.16*	
		For >500, Deduct	*-15.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	69.87	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-7.14*	
		For >250 To 500, Deduct	*-11.93*	
		For >500, Deduct	*-16.72*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	18.18	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.29*	
		For >500, Deduct	*-8.98*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.35	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-9.00*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	18.71	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.33*	
		For >500, Deduct	*-9.03*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	20.03	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.86*	
		For >500, Deduct	*-9.80*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.76	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.53*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	22.15	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.24*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-10.57*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.12	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.56*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-8.93*	
		For >500, Deduct	*-12.74*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	28.74	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-9.43*	
		For >500, Deduct	*-13.46*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	22.17	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.45*	
		For >500, Deduct	*-10.64*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	24.13	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.98*	
		For >500, Deduct	*-11.39*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	26.26	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-8.53*	
		For >500, Deduct	*-12.17*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	29.90	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.57*	
		For >500, Deduct	*-13.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	35.22	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.39*	
		For >250 To 500, Deduct	*-11.13*	
		For >500, Deduct	*-15.87*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	38.44	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.97*	
		For >250 To 500, Deduct	*-12.15*	
		For >500, Deduct	*-17.32*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	32.25	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-9.75*	
		For >500, Deduct	*-13.89*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	38.49	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.28*	
		For >100 To 250, Deduct	*-6.56*	
		For >250 To 500, Deduct	*-11.38*	
		For >500, Deduct	*-16.20*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	42.58	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.97*	
		For >250 To 500, Deduct	*-12.07*	
		For >500, Deduct	*-17.17*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	47.85	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-7.66*	
		For >250 To 500, Deduct	*-13.24*	
		For >500, Deduct	*-18.82*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	53.57	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-8.15*	
		For >250 To 500, Deduct	*-14.05*	
		For >500, Deduct	*-19.95*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.26	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.29*	
		For >500, Deduct	*-8.99*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.53	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-9.01*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.80	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-6.33*	
		For >500, Deduct	*-9.04*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.18	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.88*	
		For >500, Deduct	*-9.82*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.99	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.39*	
		For >500, Deduct	*-10.56*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.43	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.43*	
		For >500, Deduct	*-10.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	27.65	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.79*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.62	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.45*	
		For >250 To 500, Deduct	*-9.50*	
		For >500, Deduct	*-13.55*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.57	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.68*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.35	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-8.00*	
		For >500, Deduct	*-11.42*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.66	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.91*	
		For >250 To 500, Deduct	*-8.56*	
		For >500, Deduct	*-12.21*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.09	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-5.55*	
		For >250 To 500, Deduct	*-9.66*	
		For >500, Deduct	*-13.77*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	35.80	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 250, Deduct	*-6.42*	
		For >250 To 500, Deduct	*-11.17*	
		For >500, Deduct	*-15.93*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.87	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-7.05*	
		For >250 To 500, Deduct	*-12.25*	
		For >500, Deduct	*-17.46*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	33.13	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.66*	
		For >250 To 500, Deduct	*-9.82*	
		For >500, Deduct	*-13.98*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.29	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.60*	
		For >250 To 500, Deduct	*-11.44*	
		For >500, Deduct	*-16.28*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	43.91	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-7.04*	
		For >250 To 500, Deduct	*-12.17*	
		For >500, Deduct	*-17.30*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	51.01	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-7.81*	
		For >250 To 500, Deduct	*-13.48*	
		For >500, Deduct	*-19.14*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	56.95	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-14.31*	
		For >500, Deduct	*-20.29*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	19.21	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.36*	
		For >500, Deduct	*-9.08*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.20	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-6.44*	
		For >500, Deduct	*-9.18*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.86	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.45*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.86	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-10.09*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.74	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.68*	
		For >500, Deduct	*-10.93*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	27.44	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 500, Deduct	*-7.80*	
		For >500, Deduct	*-11.10*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	55.33	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-6.53*	
		For >250 To 500, Deduct	*-11.04*	
		For >500, Deduct	*-15.56*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	77.48	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-7.84*	
		For >250 To 500, Deduct	*-13.09*	
		For >500, Deduct	*-18.33*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	27.65	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-11.19*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	32.61	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 500, Deduct	*-8.62*	
		For >500, Deduct	*-12.24*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	40.16	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-9.57*	
		For >500, Deduct	*-13.56*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	82.49	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-4.06*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-13.52*	
		For >500, Deduct	*-18.91*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	112.11	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.12*	
		For >100 To 250, Deduct	*-10.24*	
		For >250 To 500, Deduct	*-16.90*	
		For >500, Deduct	*-23.56*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	130.89	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-11.60*	
		For >250 To 500, Deduct	*-19.08*	
		For >500, Deduct	*-26.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	121.28	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.03*	
		For >100 To 250, Deduct	*-10.06*	
		For >250 To 500, Deduct	*-16.43*	
		For >500, Deduct	*-22.79*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	138.64	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.78*	
		For >100 To 250, Deduct	*-11.56*	
		For >250 To 500, Deduct	*-18.89*	
		For >500, Deduct	*-26.21*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	144.27	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 250, Deduct	*-12.05*	
		For >250 To 500, Deduct	*-19.69*	
		For >500, Deduct	*-27.34*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	199.62	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-15.24*	
		For >250 To 500, Deduct	*-24.62*	
		For >500, Deduct	*-34.00*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	217.76	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 250, Deduct	*-16.36*	
		For >250 To 500, Deduct	*-26.37*	
		For >500, Deduct	*-36.37*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.84
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.89
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.97
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	3.19

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.62
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.67
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.74
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.93
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.67
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.71
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.79
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	3.03

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	44.34	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.47*	
		For >500, Deduct	*-16.29*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	50.09	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-7.48*	
		For >250 To 500, Deduct	*-12.88*	
		For >500, Deduct	*-18.28*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	54.10	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.00*	
		For >100 To 250, Deduct	*-8.01*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-19.55*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	60.17	
		For >10 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-8.61*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.96*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	64.02	
		For >10 To 50, Deduct	*-1.97*	
		For >50 To 100, Deduct	*-4.55*	
		For >100 To 250, Deduct	*-9.11*	
		For >250 To 500, Deduct	*-15.63*	
		For >500, Deduct	*-22.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	66.49	
		For >10 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-9.49*	
		For >250 To 500, Deduct	*-16.29*	
		For >500, Deduct	*-23.09*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	59.57	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 250, Deduct	*-8.28*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-20.09*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	62.30	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-8.63*	
		For >250 To 500, Deduct	*-14.79*	
		For >500, Deduct	*-20.94*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	68.90	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-15.88*	
		For >500, Deduct	*-22.47*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	73.94	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-4.92*	
		For >100 To 250, Deduct	*-9.84*	
		For >250 To 500, Deduct	*-16.81*	
		For >500, Deduct	*-23.78*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	79.40	
		For >10 To 50, Deduct	*-2.15*	
		For >50 To 100, Deduct	*-5.21*	
		For >100 To 250, Deduct	*-10.42*	
		For >250 To 500, Deduct	*-17.77*	
		For >500, Deduct	*-25.13*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	17.91	5.30
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.62*	
		For >500, Deduct	*-6.56*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	17.45	5.58
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.73*	
		For >500, Deduct	*-6.72*	

06 05 23 00-0262 Sill Anchors *(06 05 23 00-0258)*

06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	15.83	5.58
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.61*	
		For >500, Deduct	*-6.56*	

06 05 23 00-0264 Spike Grids *(06 05 23 00-0258)*

06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	14.31	5.30
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.20*	

06 05 23 00-0266 Split Rings *(06 05 23 00-0258)*

06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	18.11	5.30
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.64*	
		For >500, Deduct	*-6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268	EA	4" Diameter Split Ring	19.53	5.86
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.16*	

06 05 23 00-0269 Toothed Rings *(06 05 23 00-0258)*

06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	15.02	5.30
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.27*	

06 05 23 00-0271 Straps And Shields *(06 05 23)*

06 05 23 00-0272 Shield Plate *(06 05 23 00-0271)*

06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	10.75	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	17.08	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.69*	

06 05 23 00-0275 Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	4.18	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	4.28	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	5.46	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.68	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.89	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.41*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.77	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.66*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	8.76	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.86*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	10.16	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.62	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.79	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	6.09	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.43*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	6.35	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.46*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	6.48	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	7.40	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.73*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	9.18	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	10.17	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.17*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	16.02	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.92*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	5.45	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	5.46	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	6.64	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.49*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	9.18	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	7.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	8.62	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	11.30	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.95*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	16.79	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.67*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	20.91	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.24*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	30.91	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-4.41*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	53.75	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.84*	
		For >500, Deduct	*-6.86*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	69.24	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.57*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	20.01	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.99*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	25.82	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.73*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	30.14	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-4.33*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	45.84	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-6.07*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.88	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.15*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	6.12	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	7.06	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.53*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	7.65	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.67*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	6.22	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.36*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	7.23	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.55*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	7.71	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.68*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	10.51	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-2.04*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	8.03	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.54*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	9.62	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.87*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	11.17	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.10*	
06 05 23 00-0322		Retrofit Plate Strap *(06 05 23 00-0271)*		
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	8.05	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.63*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	9.20	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.74*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	11.03	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.93*	
06 05 23 00-0326		Stud Shoe *(06 05 23 00-0271)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	13.73	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.36*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	27.15	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.70*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	27.27	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.71*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	36.60	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.65*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	34.38	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-4.42*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	37.26	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.33*	
		For >500, Deduct	*-4.71*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	39.45	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	59.69	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 250, Deduct	*-3.20*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-6.96*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.84	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	4.02	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.06*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	814.90	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	144.76	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.53	2.45
		For Each Additional 2" x_" In The Built Up Member, Add	*0.89*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.85	2.88
		For Each Additional 2" x_" In The Built Up Member, Add	*1.26*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.70	3.45
		For Each Additional 2" x_" In The Built Up Member, Add	*1.76*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.53	2.45
		For Each Additional 2" x_" In The Built Up Member, Add	*0.89*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.85	2.88
		For Each Additional 2" x_" In The Built Up Member, Add	*1.26*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.70	3.45
		For Each Additional 2" x_" In The Built Up Member, Add	*1.76*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	3.20	1.73
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.71	1.87
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.36	2.74
06 11 16 00-0006	LF	2" x 12" Wood Rafter	6.15	3.03
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.69	3.31
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.27	1.73
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.80	1.87
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	5.28	2.74
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	6.21	3.03

06 11 16 00-0012 Joists *(06 11 16 00-0001)*

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.76	1.44
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.42	1.58
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.34	2.02
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	5.15	2.31
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.67	2.45
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.83	1.44
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.51	1.58
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.26	2.02
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	5.21	2.31

06 11 16 00-0022 Purlins *(06 11 16 00-0001)*

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.26	0.86
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.79	0.95
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.35	1.06
06 11 16 00-0026	LF	2" x 10" Wood Purlin	4.06	1.15
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.31	0.86
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.86	0.95
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.44	1.06
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.98	1.15

06 11 16 00-0031 Exposed Rafters Or Joists *(06 11 16 00-0001)*

06 11 16 00-0032 Redwood Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	4.07	1.44
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.94	1.58
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	6.14	2.02
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.43	2.31

06 11 16 00-0037 Cedar Rafters Or Joists *(06 11 16 00-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.77	1.44
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	3.12	1.58
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.61	2.02
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	4.10	2.31
06 11 16 00-0042		**Oak Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.30	1.44
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.46	1.58
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.77	2.02
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	7.08	2.31
06 11 16 00-0047		**Framing** *(06 11 16)*		
06 11 16 00-0048		**Partition Framing** *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.19	1.15
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.62	1.23
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	3.06	1.30
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.24	1.15
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.69	1.23
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.15	1.30
06 11 16 00-0055		**Wall Framing Assemblies** *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.82	1.39
		For Up To 200, Add	*0.97*	
		For >200 To 500, Add	*0.49*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.79	1.79
		For Up To 200, Add	*1.29*	
		For >200 To 500, Add	*0.64*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	5.04	2.38
		For Up To 200, Add	*1.71*	
		For >200 To 500, Add	*0.86*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.30	1.13
		For Up To 200, Add	*0.79*	
		For >200 To 500, Add	*0.40*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.13	1.49
		For Up To 200, Add	*1.06*	
		For >200 To 500, Add	*0.53*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.19	1.98
		For Up To 200, Add	*1.42*	
		For >200 To 500, Add	*0.71*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.80	0.88
		For Up To 200, Add	*0.62*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.46	1.16
		For Up To 200, Add	*0.83*	
		For >200 To 500, Add	*0.42*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.29	1.54
		For Up To 200, Add	*1.12*	
		For >200 To 500, Add	*0.56*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.77	2.16
06 11 16 00-0071	LF	2" x 6" Wood Sill	4.50	2.45
06 11 16 00-0072	LF	2" x 8" Wood Sill	5.32	2.74
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.82	2.16
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	4.57	2.45
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	5.41	2.74
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.77	2.16
06 11 16 00-0078	LF	2" x 6" Wood Plate	4.50	2.45
06 11 16 00-0079	LF	2" x 8" Wood Plate	5.29	2.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.82	2.16
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.57	2.45
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	5.38	2.74
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	7.04	2.45
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	9.30	2.74
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	11.31	3.03
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	13.65	3.31
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	8.51	2.45
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	11.50	2.74
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	15.03	3.03
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	18.07	3.31
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	3.12	1.87
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	3.40	2.02
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	3.56	2.16
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	3.65	2.16
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	4.34	2.45
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.42	1.87
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.41	2.02
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.62	2.16
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.69	2.16
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.33	2.45
06 11 16 00-0105		**Posts And Girts** *(06 11 16)*		
06 11 16 00-0106		**Posts** *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	5.42	2.74
06 11 16 00-0108	LF	4" x 5" Wood Post	6.18	3.17
06 11 16 00-0109	LF	4" x 6" Wood Post	6.82	3.45
06 11 16 00-0110	LF	6" x 6" Wood Post	7.58	3.75
06 11 16 00-0111	LF	8" x 8" Wood Post	8.34	3.89
06 11 16 00-0112	LF	10" x 10" Wood Post	9.09	4.47
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	6.27	2.74
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	7.16	3.45
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	8.60	3.45
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	11.45	3.75
06 11 16 00-0117		**Girts** *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.60	1.04
06 11 16 00-0119	LF	2" x 6" Wood Girt	3.17	1.14
06 11 16 00-0120	LF	2" x 8" Wood Girt	3.77	1.25
06 11 16 00-0121	LF	2" x 10" Wood Girt	4.51	1.38
06 11 16 00-0122	LF	4" x 4" Wood Girt	5.27	2.07
06 11 16 00-0123	LF	4" x 5" Wood Girt	6.04	2.34
06 11 16 00-0124	LF	4" x 6" Wood Girt	6.80	2.59
06 11 16 00-0125	LF	6" x 6" Wood Girt	7.55	2.85
06 11 16 00-0126	LF	8" x 8" Wood Girt	8.32	3.11
06 11 16 00-0127	LF	10" x 10" Wood Girt	9.07	3.38
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.65	1.04
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	3.24	1.14
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	3.86	1.25
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	4.43	1.38
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	6.27	2.07
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	7.16	2.59
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	8.60	2.59
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	11.45	2.85
06 11 16 00-0136		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	10.77	2.74
		For Smooth "Clear", Add	*1.33*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	12.94	3.17
		For Smooth "Clear", Add	*1.66*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	15.15	3.45
		For Smooth "Clear", Add	*1.99*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	18.69	3.56
		For Smooth "Clear", Add	*2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	22.34	3.79
		For Smooth "Clear", Add	*3.32*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	20.65	3.75
		For Smooth "Clear", Add	*2.99*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	25.85	3.89
		For Smooth "Clear", Add	*3.98*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	30.98	3.65
		For Smooth "Clear", Add	*4.98*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	32.80	3.89
		For Smooth "Clear", Add	*5.31*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	10.36	5.76
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	12.24	6.78
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	10.31	5.76
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	12.27	6.78
06 11 16 00-0151		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0152		**Blocking** *(06 11 16 00-0151)*		
06 11 16 00-0153		**Blocking To Wood** *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	7.75	3.46
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	9.00	3.81
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	10.16	4.18
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	11.62	4.60
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	13.71	5.07
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	7.45	3.46
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	8.50	3.81
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	9.63	4.18
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	10.51	4.60
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	11.77	5.07
06 11 16 00-0164		**Blocking To Steel** *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	8.87	3.98
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	10.28	4.39
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	11.60	4.81
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	8.54	3.98
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	9.73	4.39
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	11.02	4.81
06 11 16 00-0171		**Blocking To Concrete** *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.87	3.98
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.28	4.39
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.60	4.81
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	8.54	3.98
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	9.73	4.39
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	11.02	4.81
06 11 16 00-0178		**Pressure Treated Lattice** *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	8.03	3.03
06 11 16 00-0180		**Sleepers** *(06 11 16 00-0151)*		
06 11 16 00-0181		**Sleepers To Wood** *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.55	0.51
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.53	0.58
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.81	0.65
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.41	0.79
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.12	0.86
06 11 16 00-0187		**Sleepers To Concrete** *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.60	0.51
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.57	0.58
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.86	0.65
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.49	0.79
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.26	0.86
06 11 16 00-0193		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.89	1.15
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.41	1.23
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.96	1.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.66	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.23	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.00	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	8.62	
06 11 16 00-0202		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0203		**Wood And Steel Bridging** *(06 11 16 00-0202)*		
06 11 16 00-0204		**Wood Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	11.56	5.05
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.85	5.05
06 11 16 00-0207		**Steel Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	13.80	5.05
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	13.76	5.05
06 11 16 00-0210		**Light Framing, Trim And Furring** *(06 11 16 00-0202)*		
06 11 16 00-0211		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.54	1.18
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.83	1.30
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.24	1.42
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.61	1.57
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.99	1.73
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.42	1.90
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.62	1.57
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	4.04	1.73
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.69	1.90
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.43	2.09
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.34	2.31
06 11 16 00-0223		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.56	1.18
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.98	1.30
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.81	1.42
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.58	1.57
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.55	1.73
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.67	1.90
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.99	1.57
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.58	1.73
06 11 16 00-0232		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.57	1.18
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	3.00	1.30
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	3.67	1.42
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	4.36	1.57
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	5.08	1.73
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	5.84	1.90
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.96	1.57
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	5.09	1.73
06 11 16 00-0241		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.51	1.18
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.89	1.30
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.47	1.42
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	4.12	1.57
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.83	1.73
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.61	1.90
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	4.14	1.57
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.85	1.73
06 11 16 00-0250		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.86	1.18
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.43	1.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.23	1.42
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.30	1.57
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	6.12	1.73
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.93	1.90
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.51	1.90
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.77	1.57
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.57	1.73
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.97	1.90
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	5.15	1.42
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	6.72	1.57
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	8.33	1.73

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	7.36	2.56
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	8.69	2.66
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	10.04	2.77
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	12.72	2.96
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	14.93	3.14
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	10.76	2.88
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	12.69	3.03
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	16.70	3.24
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	19.60	3.31
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	15.24	3.14
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	20.10	3.24
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	24.05	3.31
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	23.79	3.31
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	28.84	3.61
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	33.88	3.96
06 13 23 00-0019		Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.59	2.56
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	9.03	2.66
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	10.49	2.77
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	13.40	2.96
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	15.79	3.14
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	11.26	2.88
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	13.36	3.03
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	17.71	3.24
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	20.90	3.31
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	16.14	3.14
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	21.46	3.24
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	25.78	3.31
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	25.48	3.31
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	30.98	3.61
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	36.47	3.96
06 13 23 00-0035		Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	7.26	2.56
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	8.74	2.66
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	10.04	2.77
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	12.72	2.96
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	14.92	3.14
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	11.45	2.88
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	13.65	3.03
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	16.11	3.24
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	19.27	3.31
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	19.31	3.14
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	22.13	3.24
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	25.72	3.31
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	25.83	3.31
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	33.53	3.61
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	39.52	3.96

06 13 23 00-0051 Heavy Timber Columns *(06 13 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.93	1.34
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	6.20	1.42
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	7.41	1.46
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.92	1.55
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	11.96	1.65
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	8.06	1.50
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.87	1.57
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	13.63	1.71
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	16.46	1.75
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	12.27	1.65
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	17.03	1.71
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	20.86	1.78
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	20.59	1.78
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	25.43	1.90
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	30.13	2.08
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	5.16	1.34
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.54	1.42
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.86	1.46
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	10.60	1.55
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	12.82	1.65
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	8.56	1.50
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	10.54	1.57
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	14.64	1.71
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	17.76	1.75
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	13.17	1.65
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	18.39	1.71
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	22.59	1.78
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	22.28	1.78
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	27.57	1.90
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	32.72	2.08
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.83	1.34
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.25	1.42
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.41	1.46
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	9.92	1.55
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	11.95	1.65
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	8.75	1.50
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	10.83	1.57
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	13.04	1.71
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	16.13	1.75
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	16.34	1.65
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	19.06	1.71
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	22.53	1.78
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	22.63	1.78
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	30.12	1.90
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	35.77	2.08

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck System Assemblies *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	43.88	8.61
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	42.41	8.19
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.47	8.84
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.00	8.40

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.33	8.84
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	43.79	8.39
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.95	9.06
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.44	8.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0013		2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*		
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	43.88	8.61
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	42.41	8.19
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	45.47	8.84
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	44.00	8.40
06 15 13 00-0018		Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0001)*		
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.57	8.61
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.23	8.58
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	48.85	8.84
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	47.18	8.40
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly Assembly	49.55	8.84
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	48.14	8.39
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	51.99	9.06
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	50.32	8.60
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	47.65	8.61
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	46.31	8.19
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	49.98	8.84
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	49.18	8.40
06 15 13 00-0034		Wood Ramp System Assemblies *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0035)*		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.32	8.40
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	49.43	7.98
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	53.07	8.61
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.18	8.19
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0035)*		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	52.91	8.61
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	50.98	8.19
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	54.73	8.84
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	52.80	8.40
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	54.56	8.83
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	52.60	8.39
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	56.44	9.06
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	54.47	8.60
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	53.85	8.40
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.07	7.98
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	56.24	8.61
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	54.16	8.19
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	55.60	8.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.80	8.19
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	58.11	8.84
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	55.98	8.40
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	58.80	8.83
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	56.95	8.39
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	61.49	9.06
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	59.90	8.60
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.22	8.40
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	50.36	7.98
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	54.04	8.61
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.19	8.19
06 15 13 00-0073		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.86	8.61
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	51.97	8.19
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	55.77	8.84
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.88	8.40
06 15 13 00-0078		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	55.60	8.83
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	53.66	8.39
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	57.54	9.06
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	55.62	8.60
06 15 13 00-0083		Wood Stair System Assemblies *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084		Pressure Treated Wood Stair System Assemblies *(06 15 13 00-0083)*		
06 15 13 00-0085		2" x 10" Joists, Pressure Treated Wood Stair System Assemblies *(06 15 13 00-0084)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	138.18	20.67
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	134.51	19.64
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	142.39	21.21
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	138.07	20.15
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	145.09	21.71
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	141.24	20.63
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	149.52	22.26
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	144.97	21.16
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	152.20	22.80
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.13	21.66
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	156.83	23.38
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	152.06	22.21
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	161.45	23.94
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	157.28	22.73
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	166.38	24.56
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	161.43	23.33
06 15 13 00-0102		2" x 12" Joists, Pressure Treated Wood Stair System Assemblies *(06 15 13 00-0084)*		
06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	141.19	21.20
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	136.91	20.14
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	145.63	21.74
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	141.25	20.65
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	148.24	22.25
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	143.74	21.14
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	152.90	22.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	148.32	21.68
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.52	23.36
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	150.78	22.20
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.39	23.96
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.57	22.78
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	164.94	24.54
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.04	23.31
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	170.14	25.16
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	165.15	23.91

06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0083)*

06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0119)*

06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	153.12	20.67
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	149.31	19.64
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	158.26	21.21
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	154.40	20.15
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	160.78	21.71
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	156.78	20.63
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	166.18	22.26
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	162.12	21.16
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	168.59	22.80
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	164.37	21.66
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	174.24	23.38
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	169.98	22.21
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	179.47	23.94
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	175.14	22.73
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	185.54	24.56
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	181.15	23.33

06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0119)*

06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	151.72	21.20
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	147.81	20.14
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	156.59	21.74
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	152.73	20.65
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	159.30	22.25
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.20	21.14
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	164.42	22.82
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.37	21.68
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	167.08	23.36
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	162.75	22.20
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	172.42	23.96
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	168.17	22.78
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	177.66	24.54
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	173.21	23.31
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	183.38	25.16
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	179.00	23.91

06 15 13 00-0154 Wood Deck And Ramp Systems Repairs *(06 15 13)*

Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0155 Deck Joist Or Girt *(06 15 13 00-0154)*

See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0156 Deck Boards *(06 15 13 00-0154)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.68	1.11
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.97	1.31
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.52	1.31
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	3.20	1.51
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	4.02	1.82
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	4.92	2.21
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	6.01	2.62
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	3.08	1.31
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	3.94	1.51
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	3.35	1.31
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	4.34	1.51

06 15 13 00-0168 Deck Posts *(06 15 13 00-0154)*

See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0169 Deck Railing And Pickets *(06 15 13 00-0154)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	2.52	1.31
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.96	1.01
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	3.08	1.31
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	2.33	1.01
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	3.35	1.31
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	2.53	1.01

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	4.02	1.15
		For Water Resistant Coating Or Treatment, Add	*0.09*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	4.49	1.44
		For Water Resistant Coating Or Treatment, Add	*0.09*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.85	1.01
		For Water Resistant Coating Or Treatment, Add	*0.09*	
		For Foil Backing, Add	*0.15*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	4.18	1.15
		For Water Resistant Coating Or Treatment, Add	*0.09*	
		For Foil Backing, Add	*0.15*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.37	0.72
		For Shear Wall Construction, Add	*0.34*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.34*	
		For ACQ Preservative Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.55*	
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.66	0.86
		For Shear Wall Construction, Add	*0.37*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For ACQ Preservative Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.78*	
		For Fire Retardant Treatment, Add	*0.64*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.98	0.86
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For ACQ Preservative Treatment, Add	*0.48*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.99*	
		For Fire Retardant Treatment, Add	*0.78*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	3.30	1.01
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For ACQ Preservative Treatment, Add	*0.55*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.91*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.25*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking	3.90	1.15
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.47*	
		For Exterior CC Grade Plywood, Add	*0.23*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For ACQ Preservative Treatment, Add	*0.74*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.53*	
		For Fire Retardant Treatment, Add	*1.22*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.30*	
		For Tongue And Groove, Add	*0.11*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	2.81	1.01
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.52*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	2.84	1.01
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.91	1.15
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	3.25	1.15
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.46*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.45*	
		For Fire Retardant Treatment, Add	*0.75*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.60	1.30
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.49*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.25*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.71*	
		For Fire Retardant Treatment, Add	*0.89*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.26*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.95	1.44
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.53*	
		For Exterior CC Grade Plywood, Add	*0.19*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.53*	
		For Ceiling Installation, Add	*0.27*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.99*	
		For Fire Retardant Treatment, Add	*1.02*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.29*	
06 16 33 00-0015		Floor Decking *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	2.12	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*0.39*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.38*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking	2.26	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.57*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.43*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking	2.53	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.70*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Fir Plywood, Add	*0.14*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.57*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking	2.82	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.94*	
		For Fire Retardant Treatment, Add	*0.68*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For ACQ Preservative Treatment, Add	*0.41*	
		For Fir Plywood, Add	*0.16*	
		For BC Grade Plywood, Add	*0.13*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking	3.17	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.87*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
		For ACQ Preservative Treatment, Add	*0.53*	
		For Fir Plywood, Add	*0.20*	
		For BC Grade Plywood, Add	*0.16*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.86*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	4.56	1.30
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.72*	
		For Fire Retardant Treatment, Add	*1.64*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.19*	
		For >6,400 To 12,800, Deduct	*-0.29*	
		For >12,800, Deduct	*-0.37*	
		For ACQ Preservative Treatment, Add	*1.00*	
		For Fir Plywood, Add	*0.38*	
		For BC Grade Plywood, Add	*0.31*	
		For Exterior Glue, Add	*0.19*	
		For Marine Grade, Add	*1.63*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking	2.96	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.70*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For ACQ Preservative Treatment, Add	*0.56*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.91*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking	3.29	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.94*	
		For Fire Retardant Treatment, Add	*1.05*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.26*	
		For ACQ Preservative Treatment, Add	*0.64*	
		For Exterior Glue, Add	*0.12*	
		For Marine Grade, Add	*1.04*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking	3.53	0.86
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.12*	
		For Fire Retardant Treatment, Add	*1.15*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.28*	
		For ACQ Preservative Treatment, Add	*0.70*	
		For Exterior Glue, Add	*0.13*	
		For Marine Grade, Add	*1.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 00-0025 Underlayment Grade *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	2.25	0.86
		For Fire Retardant Treatment, Add	*0.46*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.40	0.86
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.48	1.01
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.81	1.01
		For Fire Retardant Treatment, Add	*0.65*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.98	1.01
		For Fire Retardant Treatment, Add	*0.78*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.74	1.15
		For Fire Retardant Treatment, Add	*1.19*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.29*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.54	0.86
		For Fire Retardant Treatment, Add	*0.62*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	3.13	1.01
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0034		**Oriented Strand Board** *(06 16 33)*		
06 16 33 00-0035		**On Roof** *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.05	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.55*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.26	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.78*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.59	1.01
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.99*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.95	1.01
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.23*	
06 16 33 00-0040		**On Walls** *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.50	1.01
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.23*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.71	1.15
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	3.07	1.30
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.71*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.46	1.30
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.23*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.99*	

06 16 33 00-0045 On Floors *(06 16 33 00-0034)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.09	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.61*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.48	1.01
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.11*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.86	1.15
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.39*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.27	1.30
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.71*	

06 16 33 00-0050 Particle Board *(06 16 33)*

06 16 33 00-0051 Particle Board Floor Decking *(06 16 33 00-0050)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0052	SF	3/8" Particle Board Floor Decking Note: Applied to plywood subfloor.	2.39	0.72
		For Fire Retardant Treatment Add	*0.55*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking Note: Applied to plywood subfloor.	2.74	0.72
		For Fire Retardant Treatment Add	*0.74*	
		For >1,536 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking Note: Applied to plywood subfloor.	3.08	0.86
		For Fire Retardant Treatment Add	*0.94*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking Note: Applied to plywood subfloor.	3.39	0.86
		For Fire Retardant Treatment Add	*1.09*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.27*	
		For Tongue And Groove, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 43		**Gypsum Sheathing** *(06 16)*		
06 16 43 00-0001		Exterior Gypsum Sheathing *(06 16 43)*		
		Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.74	1.15
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.45*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	4.03	1.44
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.25*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.71*	
06 17		**Shop-Fabricated Structural Wood** *(06 10)*		
06 17 13		**Laminated Veneer Lumber** *(06 17)*		
06 17 13 00-0001		Laminated Veneer Lumber (LVL) *(06 17 13)*		
06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	8.86	2.50
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	9.63	2.53
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	10.52	2.57
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	11.63	2.61
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	12.47	2.66
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	13.67	2.74
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	15.35	2.79
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	20.72	3.17
06 17 23		**Parallel Strand Lumber** *(06 17)*		
06 17 23 00-0001		Laminated Strand Lumber (LSL) *(06 17 23)*		
06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	3.05	1.15
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	4.00	1.23
06 17 33		**Wood I-Joists** *(06 17)*		
06 17 33 00-0001		Prefabricated Wood I-Joists *(06 17 33)*		
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.43	1.57
		For I-Joists 30' To 40' In Length, Add	*0.69*	
		For I-Joists >40' In Length, Add	*1.70*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.86	1.75
		For I-Joists 30' To 40' In Length, Add	*0.77*	
		For I-Joists >40' In Length, Add	*1.89*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.83	1.97
		For I-Joists 30' To 40' In Length, Add	*0.86*	
		For I-Joists >40' In Length, Add	*2.12*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.68	2.19
		For I-Joists 30' To 40' In Length, Add	*0.96*	
		For I-Joists >40' In Length, Add	*2.36*	
06 17 43		**Rim Boards** *(06 17)*		
06 17 43 00-0001		Oriented Strand Board (OSB) Rim Board *(06 17 43)*		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.44	2.57
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	8.04	2.61
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.75	2.66
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*		
		Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001		Pre-Assembled Wood Roof Trusses *(06 17 53)*		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	225.78	91.86
		For Up To 15, Add	*3.15*	
		For >35, Deduct	*-2.10*	
		For 3 In 12 Slope, Add	*1.26*	
		For 5 In 12 Slope, Add	*3.36*	
		For 6 In 12 Slope, Add	*6.31*	
		For 7 In 12 Slope, Add	*8.41*	
		For 8 In 12 Slope, Add	*10.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	250.33	100.61
		For Up To 15, Add	*3.68*	
		For >35, Deduct	*-2.46*	
		For 3 In 12 Slope, Add	*1.47*	
		For 5 In 12 Slope, Add	*3.93*	
		For 6 In 12 Slope, Add	*7.37*	
		For 7 In 12 Slope, Add	*9.82*	
		For 8 In 12 Slope, Add	*11.78*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	277.81	109.37
		For Up To 15, Add	*4.43*	
		For >35, Deduct	*-2.95*	
		For 3 In 12 Slope, Add	*1.77*	
		For 5 In 12 Slope, Add	*4.73*	
		For 6 In 12 Slope, Add	*8.86*	
		For 7 In 12 Slope, Add	*11.82*	
		For 8 In 12 Slope, Add	*14.18*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	313.01	118.11
		For Up To 15, Add	*5.76*	
		For >35, Deduct	*-3.84*	
		For 3 In 12 Slope, Add	*2.30*	
		For 5 In 12 Slope, Add	*6.14*	
		For 6 In 12 Slope, Add	*11.52*	
		For 7 In 12 Slope, Add	*15.36*	
		For 8 In 12 Slope, Add	*18.43*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	343.78	126.86
		For Up To 15, Add	*6.75*	
		For >35, Deduct	*-4.50*	
		For 3 In 12 Slope, Add	*2.70*	
		For 5 In 12 Slope, Add	*7.20*	
		For 6 In 12 Slope, Add	*13.51*	
		For 7 In 12 Slope, Add	*18.01*	
		For 8 In 12 Slope, Add	*21.61*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	364.04	139.99
		For Up To 15, Add	*6.31*	
		For >35, Deduct	*-4.20*	
		For 3 In 12 Slope, Add	*2.52*	
		For 5 In 12 Slope, Add	*6.73*	
		For 6 In 12 Slope, Add	*12.61*	
		For 7 In 12 Slope, Add	*16.82*	
		For 8 In 12 Slope, Add	*20.18*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	384.00	223.09
		For Up To 15, Add	*6.49*	
		For >35, Deduct	*-4.33*	
		For 3 In 12 Slope, Add	*2.60*	
		For 5 In 12 Slope, Add	*6.92*	
		For 6 In 12 Slope, Add	*12.98*	
		For 7 In 12 Slope, Add	*17.31*	
		For 8 In 12 Slope, Add	*20.77*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	408.84	157.48
		For Up To 15, Add	*7.04*	
		For >35, Deduct	*-4.69*	
		For 3 In 12 Slope, Add	*2.82*	
		For 5 In 12 Slope, Add	*7.51*	
		For 6 In 12 Slope, Add	*14.08*	
		For 7 In 12 Slope, Add	*18.77*	
		For 8 In 12 Slope, Add	*22.53*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	434.46	249.34
		For Up To 15, Add	*7.65*	
		For >35, Deduct	*-5.10*	
		For 3 In 12 Slope, Add	*3.06*	
		For 5 In 12 Slope, Add	*8.16*	
		For 6 In 12 Slope, Add	*15.30*	
		For 7 In 12 Slope, Add	*20.40*	
		For 8 In 12 Slope, Add	*24.48*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	461.15	174.98
		For Up To 15, Add	*8.34*	
		For >35, Deduct	*-5.56*	
		For 3 In 12 Slope, Add	*3.34*	
		For 5 In 12 Slope, Add	*8.90*	
		For 6 In 12 Slope, Add	*16.68*	
		For 7 In 12 Slope, Add	*22.24*	
		For 8 In 12 Slope, Add	*26.69*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	482.17	275.59
		For Up To 15, Add	*8.60*	
		For >35, Deduct	*-5.74*	
		For 3 In 12 Slope, Add	*3.44*	
		For 5 In 12 Slope, Add	*9.18*	
		For 6 In 12 Slope, Add	*17.21*	
		For 7 In 12 Slope, Add	*22.94*	
		For 8 In 12 Slope, Add	*27.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	502.39	188.10
		For Up To 15, Add	*9.46*	
		For >35, Deduct	*-6.31*	
		For 3 In 12 Slope, Add	*3.79*	
		For 5 In 12 Slope, Add	*10.09*	
		For 6 In 12 Slope, Add	*18.93*	
		For 7 In 12 Slope, Add	*25.24*	
		For 8 In 12 Slope, Add	*30.28*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	545.00	295.36
		For Up To 15, Add	*11.35*	
		For >35, Deduct	*-7.57*	
		For 3 In 12 Slope, Add	*4.54*	
		For 5 In 12 Slope, Add	*12.10*	
		For 6 In 12 Slope, Add	*22.70*	
		For 7 In 12 Slope, Add	*30.26*	
		For 8 In 12 Slope, Add	*36.31*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	565.66	201.23
		For Up To 15, Add	*12.24*	
		For >35, Deduct	*-8.16*	
		For 3 In 12 Slope, Add	*4.90*	
		For 5 In 12 Slope, Add	*13.06*	
		For 6 In 12 Slope, Add	*24.48*	
		For 7 In 12 Slope, Add	*32.64*	
		For 8 In 12 Slope, Add	*39.17*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	594.30	314.97
		For Up To 15, Add	*13.08*	
		For >35, Deduct	*-8.72*	
		For 3 In 12 Slope, Add	*5.23*	
		For 5 In 12 Slope, Add	*13.95*	
		For 6 In 12 Slope, Add	*26.15*	
		For 7 In 12 Slope, Add	*34.87*	
		For 8 In 12 Slope, Add	*41.84*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	615.54	218.72
		For Up To 15, Add	*13.36*	
		For >35, Deduct	*-8.90*	
		For 3 In 12 Slope, Add	*5.34*	
		For 5 In 12 Slope, Add	*14.25*	
		For 6 In 12 Slope, Add	*26.71*	
		For 7 In 12 Slope, Add	*35.62*	
		For 8 In 12 Slope, Add	*42.74*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	670.68	341.21
		For Up To 15, Add	*16.18*	
		For >35, Deduct	*-10.79*	
		For 3 In 12 Slope, Add	*6.47*	
		For 5 In 12 Slope, Add	*17.26*	
		For 6 In 12 Slope, Add	*32.36*	
		For 7 In 12 Slope, Add	*43.15*	
		For 8 In 12 Slope, Add	*51.78*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	724.83	236.22
		For Up To 15, Add	*18.93*	
		For >35, Deduct	*-12.62*	
		For 3 In 12 Slope, Add	*7.57*	
		For 5 In 12 Slope, Add	*20.19*	
		For 6 In 12 Slope, Add	*37.86*	
		For 7 In 12 Slope, Add	*50.48*	
		For 8 In 12 Slope, Add	*60.57*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	750.45	244.97
		For Up To 15, Add	*19.54*	
		For >35, Deduct	*-13.03*	
		For 3 In 12 Slope, Add	*7.82*	
		For 5 In 12 Slope, Add	*20.84*	
		For 6 In 12 Slope, Add	*39.08*	
		For 7 In 12 Slope, Add	*52.10*	
		For 8 In 12 Slope, Add	*62.52*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	785.91	253.73
		For Up To 15, Add	*20.89*	
		For >35, Deduct	*-13.92*	
		For 3 In 12 Slope, Add	*8.35*	
		For 5 In 12 Slope, Add	*22.28*	
		For 6 In 12 Slope, Add	*41.77*	
		For 7 In 12 Slope, Add	*55.69*	
		For 8 In 12 Slope, Add	*66.83*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	881.40	262.47
		For Up To 15, Add	*26.73*	
		For >35, Deduct	*-17.82*	
		For 3 In 12 Slope, Add	*10.69*	
		For 5 In 12 Slope, Add	*28.52*	
		For 6 In 12 Slope, Add	*53.47*	
		For 7 In 12 Slope, Add	*71.29*	
		For 8 In 12 Slope, Add	*85.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	843.76	236.05
		For Up To 15, Add	*23.91*	
		For >35, Deduct	*-15.94*	
		For 3 In 12 Slope, Add	*9.56*	
		For 5 In 12 Slope, Add	*25.51*	
		For 6 In 12 Slope, Add	*47.82*	
		For 7 In 12 Slope, Add	*63.76*	
		For 8 In 12 Slope, Add	*76.52*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	885.40	275.59
		For Up To 15, Add	*25.07*	
		For >35, Deduct	*-16.71*	
		For 3 In 12 Slope, Add	*10.03*	
		For 5 In 12 Slope, Add	*26.74*	
		For 6 In 12 Slope, Add	*50.13*	
		For 7 In 12 Slope, Add	*66.84*	
		For 8 In 12 Slope, Add	*80.21*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	919.32	255.47
		For Up To 15, Add	*26.30*	
		For >35, Deduct	*-17.53*	
		For 3 In 12 Slope, Add	*10.52*	
		For 5 In 12 Slope, Add	*28.05*	
		For 6 In 12 Slope, Add	*52.60*	
		For 7 In 12 Slope, Add	*70.13*	
		For 8 In 12 Slope, Add	*84.15*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	947.54	288.72
		For Up To 15, Add	*27.76*	
		For >35, Deduct	*-18.51*	
		For 3 In 12 Slope, Add	*11.10*	
		For 5 In 12 Slope, Add	*29.61*	
		For 6 In 12 Slope, Add	*55.52*	
		For 7 In 12 Slope, Add	*74.02*	
		For 8 In 12 Slope, Add	*88.83*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	966.32	293.09
		For Up To 15, Add	*28.51*	
		For >35, Deduct	*-19.01*	
		For 3 In 12 Slope, Add	*11.40*	
		For 5 In 12 Slope, Add	*30.41*	
		For 6 In 12 Slope, Add	*57.02*	
		For 7 In 12 Slope, Add	*76.03*	
		For 8 In 12 Slope, Add	*91.23*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	231.12	91.86
		For 3 In 12 Slope, Add	*1.42*	
		For 5 In 12 Slope, Add	*3.79*	
		For 6 In 12 Slope, Add	*7.11*	
		For 7 In 12 Slope, Add	*9.48*	
		For 8 In 12 Slope, Add	*11.37*	
		For 16" On Center Gable Studs, Add	*9.48*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	256.58	100.61
		For 3 In 12 Slope, Add	*1.66*	
		For 5 In 12 Slope, Add	*4.43*	
		For 6 In 12 Slope, Add	*8.30*	
		For 7 In 12 Slope, Add	*11.07*	
		For 8 In 12 Slope, Add	*13.28*	
		For 16" On Center Gable Studs, Add	*11.07*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	285.33	109.37
		For 3 In 12 Slope, Add	*2.00*	
		For 5 In 12 Slope, Add	*5.33*	
		For 6 In 12 Slope, Add	*9.99*	
		For 7 In 12 Slope, Add	*13.32*	
		For 8 In 12 Slope, Add	*15.99*	
		For 16" On Center Gable Studs, Add	*13.32*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	322.77	118.11
		For 3 In 12 Slope, Add	*2.60*	
		For 5 In 12 Slope, Add	*6.92*	
		For 6 In 12 Slope, Add	*12.98*	
		For 7 In 12 Slope, Add	*17.31*	
		For 8 In 12 Slope, Add	*20.77*	
		For 16" On Center Gable Studs, Add	*17.31*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	355.23	126.86
		For 3 In 12 Slope, Add	*3.05*	
		For 5 In 12 Slope, Add	*8.12*	
		For 6 In 12 Slope, Add	*15.23*	
		For 7 In 12 Slope, Add	*20.30*	
		For 8 In 12 Slope, Add	*24.36*	
		For 16" On Center Gable Studs, Add	*20.30*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	386.76	139.99
		For 3 In 12 Slope, Add	*3.20*	
		For 5 In 12 Slope, Add	*8.54*	
		For 6 In 12 Slope, Add	*16.02*	
		For 7 In 12 Slope, Add	*21.36*	
		For 8 In 12 Slope, Add	*25.63*	
		For 16" On Center Gable Studs, Add	*21.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	407.38	148.73
		For 3 In 12 Slope, Add	*3.30*	
		For 5 In 12 Slope, Add	*8.79*	
		For 6 In 12 Slope, Add	*16.49*	
		For 7 In 12 Slope, Add	*21.98*	
		For 8 In 12 Slope, Add	*26.38*	
		For 16" On Center Gable Studs, Add	*21.98*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	434.19	157.48
		For 3 In 12 Slope, Add	*3.58*	
		For 5 In 12 Slope, Add	*9.54*	
		For 6 In 12 Slope, Add	*17.88*	
		For 7 In 12 Slope, Add	*23.84*	
		For 8 In 12 Slope, Add	*28.61*	
		For 16" On Center Gable Studs, Add	*23.84*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	462.00	166.23
		For 3 In 12 Slope, Add	*3.89*	
		For 5 In 12 Slope, Add	*10.36*	
		For 6 In 12 Slope, Add	*19.43*	
		For 7 In 12 Slope, Add	*25.91*	
		For 8 In 12 Slope, Add	*31.09*	
		For 16" On Center Gable Studs, Add	*25.91*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	491.19	174.98
		For 3 In 12 Slope, Add	*4.24*	
		For 5 In 12 Slope, Add	*11.30*	
		For 6 In 12 Slope, Add	*21.18*	
		For 7 In 12 Slope, Add	*28.25*	
		For 8 In 12 Slope, Add	*33.90*	
		For 16" On Center Gable Studs, Add	*28.25*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	514.40	183.73
		For 3 In 12 Slope, Add	*4.41*	
		For 5 In 12 Slope, Add	*11.76*	
		For 6 In 12 Slope, Add	*22.04*	
		For 7 In 12 Slope, Add	*29.39*	
		For 8 In 12 Slope, Add	*35.27*	
		For 16" On Center Gable Studs, Add	*29.39*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	537.86	188.10
		For 3 In 12 Slope, Add	*4.85*	
		For 5 In 12 Slope, Add	*12.93*	
		For 6 In 12 Slope, Add	*24.25*	
		For 7 In 12 Slope, Add	*32.33*	
		For 8 In 12 Slope, Add	*38.80*	
		For 16" On Center Gable Studs, Add	*32.33*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	587.51	196.86
		For 3 In 12 Slope, Add	*5.81*	
		For 5 In 12 Slope, Add	*15.50*	
		For 6 In 12 Slope, Add	*29.07*	
		For 7 In 12 Slope, Add	*38.76*	
		For 8 In 12 Slope, Add	*46.51*	
		For 16" On Center Gable Studs, Add	*38.76*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	611.53	201.23
		For 3 In 12 Slope, Add	*6.27*	
		For 5 In 12 Slope, Add	*16.73*	
		For 6 In 12 Slope, Add	*31.36*	
		For 7 In 12 Slope, Add	*41.82*	
		For 8 In 12 Slope, Add	*50.18*	
		For 16" On Center Gable Studs, Add	*41.82*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	643.30	209.97
		For 3 In 12 Slope, Add	*6.70*	
		For 5 In 12 Slope, Add	*17.87*	
		For 6 In 12 Slope, Add	*33.50*	
		For 7 In 12 Slope, Add	*44.67*	
		For 8 In 12 Slope, Add	*53.60*	
		For 16" On Center Gable Studs, Add	*44.67*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	679.96	218.72
		For 3 In 12 Slope, Add	*7.28*	
		For 5 In 12 Slope, Add	*19.40*	
		For 6 In 12 Slope, Add	*36.38*	
		For 7 In 12 Slope, Add	*48.50*	
		For 8 In 12 Slope, Add	*58.20*	
		For 16" On Center Gable Studs, Add	*48.50*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	748.73	227.48
		For 3 In 12 Slope, Add	*8.81*	
		For 5 In 12 Slope, Add	*23.50*	
		For 6 In 12 Slope, Add	*44.07*	
		For 7 In 12 Slope, Add	*58.76*	
		For 8 In 12 Slope, Add	*70.51*	
		For 16" On Center Gable Studs, Add	*58.76*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	816.12	236.22
		For 3 In 12 Slope, Add	*10.31*	
		For 5 In 12 Slope, Add	*27.49*	
		For 6 In 12 Slope, Add	*51.55*	
		For 7 In 12 Slope, Add	*68.73*	
		For 8 In 12 Slope, Add	*82.48*	
		For 16" On Center Gable Studs, Add	*68.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	844.68	244.97
		For 3 In 12 Slope, Add	*10.64*	
		For 5 In 12 Slope, Add	*28.38*	
		For 6 In 12 Slope, Add	*53.21*	
		For 7 In 12 Slope, Add	*70.95*	
		For 8 In 12 Slope, Add	*85.14*	
		For 16" On Center Gable Studs, Add	*70.95*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	886.63	253.73
		For 3 In 12 Slope, Add	*11.38*	
		For 5 In 12 Slope, Add	*30.34*	
		For 6 In 12 Slope, Add	*56.88*	
		For 7 In 12 Slope, Add	*75.84*	
		For 8 In 12 Slope, Add	*91.01*	
		For 16" On Center Gable Studs, Add	*75.84*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	960.06	262.47
		For 3 In 12 Slope, Add	*13.05*	
		For 5 In 12 Slope, Add	*34.81*	
		For 6 In 12 Slope, Add	*65.27*	
		For 7 In 12 Slope, Add	*87.02*	
		For 8 In 12 Slope, Add	*104.43*	
		For 16" On Center Gable Studs, Add	*87.02*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	983.35	271.22
		For 3 In 12 Slope, Add	*13.23*	
		For 5 In 12 Slope, Add	*35.27*	
		For 6 In 12 Slope, Add	*66.14*	
		For 7 In 12 Slope, Add	*88.18*	
		For 8 In 12 Slope, Add	*105.82*	
		For 16" On Center Gable Studs, Add	*88.18*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,013.41	275.59
		For 3 In 12 Slope, Add	*13.87*	
		For 5 In 12 Slope, Add	*36.98*	
		For 6 In 12 Slope, Add	*69.33*	
		For 7 In 12 Slope, Add	*92.45*	
		For 8 In 12 Slope, Add	*110.94*	
		For 16" On Center Gable Studs, Add	*92.45*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,053.61	284.35
		For 3 In 12 Slope, Add	*14.55*	
		For 5 In 12 Slope, Add	*38.79*	
		For 6 In 12 Slope, Add	*72.74*	
		For 7 In 12 Slope, Add	*96.99*	
		For 8 In 12 Slope, Add	*116.38*	
		For 16" On Center Gable Studs, Add	*96.99*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,089.28	288.72
		For 3 In 12 Slope, Add	*15.36*	
		For 5 In 12 Slope, Add	*40.95*	
		For 6 In 12 Slope, Add	*76.78*	
		For 7 In 12 Slope, Add	*102.37*	
		For 8 In 12 Slope, Add	*122.84*	
		For 16" On Center Gable Studs, Add	*102.37*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,111.90	293.09
		For 3 In 12 Slope, Add	*15.77*	
		For 5 In 12 Slope, Add	*42.06*	
		For 6 In 12 Slope, Add	*78.86*	
		For 7 In 12 Slope, Add	*105.14*	
		For 8 In 12 Slope, Add	*126.17*	
		For 16" On Center Gable Studs, Add	*105.14*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	11.11	3.80
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.87	4.75
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.65	5.70
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.57	6.02
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.42	6.64
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	22.20	7.59
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.99	8.55
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	25.90	8.87
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	27.76	9.49
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	29.59	10.14
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	30.52	10.46
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	33.30	11.41
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	36.07	12.36
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	38.84	13.30
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	41.64	14.26
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	17.44	5.97
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.81	7.47
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	26.16	8.96
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.62	9.47
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	30.52	10.46
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	34.89	11.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	39.25	13.44
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	40.70	13.94
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	43.61	14.93
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	46.51	15.93
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.97	16.43
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	52.33	17.91
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	56.69	19.41
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	61.06	20.90
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	65.41	22.41
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	69.78	23.88
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	32.12	11.00
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.90	11.61
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	37.47	12.83
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	42.82	14.65
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	48.17	16.49
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	49.95	17.11
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	53.52	18.33
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	57.08	19.54
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	58.87	20.15
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	64.22	21.99
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	69.57	23.83
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	74.92	25.65
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	80.27	27.48
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	85.63	29.32
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	41.64	14.26
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.93	15.04
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	48.56	16.63
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	55.49	19.00
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	62.45	21.38
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	64.74	22.17
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	69.37	23.75
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	73.99	25.35
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	76.32	26.12
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	83.25	28.49
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	90.19	30.88
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	97.13	33.26
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	104.06	35.63
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	110.99	38.01
06 18 13 00-0061		Glue Laminated Decking *(06 18 13)*		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.78	2.46
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.98	2.46
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	6.16	2.33
06 18 16		**Glued-Laminated Columns** *(06 18)*		
06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)*		
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.55	5.04
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.64	5.60
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	35.41	11.96
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	38.76	12.53

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.62	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.76	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.61	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.10	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	15.96	5.01
		For Birch, Add	*3.17*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.68*	
		For Poplar, Add	*1.76*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*1.15*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	21.15	6.02
		For Birch, Add	*4.53*	
		For Mahogany, Oak, Maple Or Walnut, Add	*6.51*	
		For Poplar, Add	*2.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.97*	
		For Stain Grade Material (No Finger Joints), Add	*1.63*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.34	3.44
		For Birch, Add	*0.94*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.75*	
		For Poplar, Add	*0.52*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
		For Stain Grade Material (No Finger Joints), Add	*0.34*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.29	3.44
		For Birch, Add	*1.29*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.18*	
		For Poplar, Add	*0.71*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
		For Stain Grade Material (No Finger Joints), Add	*0.46*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.11	4.29
		For Birch, Add	*1.79*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.95*	
		For Poplar, Add	*0.99*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.64*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	13.68	4.29
		For Birch, Add	*2.35*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.65*	
		For Poplar, Add	*1.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.85*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	16.92	5.15
		For Birch, Add	*3.00*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.61*	
		For Poplar, Add	*1.67*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.97*	
		For Stain Grade Material (No Finger Joints), Add	*1.08*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.59	4.01
		For Birch, Add	*1.03*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.86*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.11	3.00
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.70*	
		For Poplar, Add	*0.56*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.13	3.00
		For Birch, Add	*2.10*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.06*	
		For Poplar, Add	*1.17*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
		For Stain Grade Material (No Finger Joints), Add	*0.76*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.31	1.71
		For Birch, Add	*0.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.90*	
		For Poplar, Add	*0.27*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.65	1.71
		For Birch, Add	*0.60*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.05*	
		For Poplar, Add	*0.33*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
		For Stain Grade Material (No Finger Joints), Add	*0.22*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.11	2.15
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.50*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.11	2.15
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.50*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.63	2.15
		For Birch, Add	*1.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.18*	
		For Poplar, Add	*0.81*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	44.88	2.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	56.46	2.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	14.67	7.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.39*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	14.95	6.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.21*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	12.60	3.72
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	14.86	3.72
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	19.51	4.15

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*

Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	7.04	2.59
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.77*	
		For Glue Laminated Installation, Add	*0.35*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.33*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.88*	
		For Fire Retardant Treatment (Class I), Add	*0.91*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	7.98	3.17
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*2.08*	
		For Glue Laminated Installation, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.40*	
		For 5/8" Thick Paneling, Add	*1.63*	
		For 3/4" Thick Paneling, Add	*1.91*	
		For Fire Retardant Treatment (Class I), Add	*0.84*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	7.84	2.59
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.77*	
		For Glue Laminated Installation, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-0.74*	
		For 1/2" Thick Paneling, Add	*1.76*	
		For 5/8" Thick Paneling, Add	*2.17*	
		For 3/4" Thick Paneling, Add	*2.70*	
		For Fire Retardant Treatment (Class I), Add	*1.54*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	8.22	3.17
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*2.08*	
		For Glue Laminated Installation, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.81*	
		For 3/4" Thick Paneling, Add	*2.16*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	6.80	2.59
		For Waterproof Glue, Add	*0.06*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.10*	
		For Fire Retardant Treatment (Class I), Add	*0.72*	

06 40 Architectural Woodwork *(06)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	109.57	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	95.28	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	22.50	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	403.41	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	428.64	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	447.88	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	470.70	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	533.17	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	556.71	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	601.04	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	632.49	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	652.10	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	742.31	114.57
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	816.72	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	905.34	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	856.20	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	954.45	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	409.19	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	419.01	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	456.54	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	485.14	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	505.24	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	529.75	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	854.27	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	900.17	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	945.78	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	497.77	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	508.56	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	550.90	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	585.28	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	615.01	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	645.30	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	894.72	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	945.43	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	997.78	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	363.93	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	387.21	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	426.40	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	453.36	93.09
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	309.36	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	317.05	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	332.42	42.97
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	341.06	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	350.67	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	367.01	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	392.03	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	426.40	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	453.36	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0055		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	320.92	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	337.27	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	349.76	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	363.21	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	381.48	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	402.17	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	420.93	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	436.32	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	445.66	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0065		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	352.58	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	382.46	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	407.18	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	436.69	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	465.30	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	508.12	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	520.14	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	565.60	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	582.15	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0075		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	393.99	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	425.79	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	453.40	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	484.84	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	564.48	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	567.82	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	587.54	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	640.70	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	657.25	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0085		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	437.32	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	475.86	35.81
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	505.39	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	535.87	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	581.81	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	619.81	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	651.09	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	710.99	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	732.36	85.93
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	417.13	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	446.66	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	478.78	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	516.24	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	605.79	114.57
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0101 Utility Cabinets, 84" High *(06 41 13 00-0006)*

06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	803.03	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	905.89	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,015.49	598.34
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,068.30	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,283.82	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,474.29	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	901.24	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	995.43	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,132.96	89.12
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,204.06	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,483.13	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,689.97	152.77
		For All Plywood Box Construction, Add	*234.94*	

06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	365.86	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	388.20	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	405.51	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	426.40	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	481.17	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	502.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	541.34	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	569.91	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	587.59	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	668.17	114.57
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	731.99	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	810.02	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	766.65	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	853.34	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	371.64	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	380.49	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	413.21	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	438.92	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	457.10	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	478.72	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	764.73	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	804.85	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	845.64	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	448.67	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	459.45	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	496.98	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	527.51	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	553.39	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	580.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	800.35	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	845.29	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	891.86	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0148		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	331.19	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	351.58	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0153		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	282.40	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	289.12	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	302.58	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.21	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	319.86	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	334.27	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	356.40	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0163		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	292.03	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	306.46	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	317.98	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	330.47	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	346.82	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	365.58	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	381.46	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	395.88	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	404.26	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.73	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	349.73	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	371.55	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	397.22	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	422.94	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	460.94	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	472.00	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	511.68	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	527.26	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	359.32	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	387.28	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	411.99	42.97
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	439.58	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	510.56	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	512.93	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	530.73	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	578.11	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	592.74	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	396.88	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	431.57	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	458.21	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	484.84	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	525.97	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	559.15	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	586.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	639.74	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	659.18	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	379.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	406.22	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	434.49	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	468.09	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	547.05	114.57
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	733.70	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	826.93	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	925.94	598.34
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	974.90	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,166.34	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,336.60	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	820.36	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	905.89	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,028.97	89.12
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,094.30	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,341.59	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,526.28	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	365.86	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	388.20	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	405.51	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	426.40	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	481.17	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	502.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	541.34	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	569.91	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	587.59	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	668.17	114.57
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	731.99	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	810.02	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	766.65	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	853.34	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	371.64	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	380.49	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	413.21	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	438.92	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	457.10	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	478.72	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	764.73	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	804.85	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	845.64	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	448.67	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	459.45	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	496.98	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	527.51	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	553.39	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	580.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	800.35	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	845.29	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	891.86	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0256		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	331.19	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	351.58	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0261		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	282.40	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	289.12	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	302.58	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	311.21	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	319.86	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	334.27	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	356.40	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0271		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	292.03	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	306.46	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	317.98	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	330.47	50.12
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	346.82	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	365.58	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	381.46	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	395.88	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	404.26	85.93
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	322.73	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	349.73	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	371.55	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	397.22	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	422.94	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	460.94	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	472.00	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	511.68	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	527.26	85.93
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	359.32	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	387.28	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	411.99	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	439.58	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	510.56	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	512.93	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	530.73	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	578.11	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	592.74	85.93
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	396.88	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	431.57	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	458.21	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	484.84	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	525.97	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	559.15	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	586.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	639.74	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	659.18	85.93
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	379.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	406.22	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	434.49	85.93
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	468.09	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	547.05	114.57
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0317		**Utility Cabinets, 84" High** *(06 41 13 00-0222)*		
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	733.70	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	826.93	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	925.94	598.34
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	974.90	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,166.34	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,336.60	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	820.36	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	905.89	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,028.97	89.12
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,094.30	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,341.59	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,526.28	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0330		**Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0331		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	365.86	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	388.20	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	405.51	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	426.40	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	481.17	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	502.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	541.34	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	569.91	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	587.59	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	668.17	114.57
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	731.99	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	810.02	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	766.65	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	853.34	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	371.64	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	380.49	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	413.21	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	438.92	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	457.10	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	478.72	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	764.73	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	804.85	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	845.64	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	448.67	28.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	459.45	35.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	496.98	42.97
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	527.51	50.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	553.39	57.29
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	580.79	64.45
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	800.35	71.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	845.29	78.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	891.86	85.93
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	331.19	71.61
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	351.58	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0369		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	282.40	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	289.12	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	302.58	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	311.21	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	319.86	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	334.27	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	356.40	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.93	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	411.00	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	292.03	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	306.46	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	317.98	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	330.47	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	346.82	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	365.58	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	381.46	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	395.88	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	404.26	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	322.73	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	349.73	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	371.55	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	397.22	50.12
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	422.94	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	460.94	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	472.00	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	511.68	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	527.26	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	359.32	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	387.28	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	411.99	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	439.58	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	510.56	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	512.93	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	530.73	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	578.11	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	592.74	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	396.88	28.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	431.57	35.81
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	458.21	42.97
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	484.84	50.12
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	525.97	57.29
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	559.15	64.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	586.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	639.74	78.77
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	659.18	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	379.58	71.61
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	406.22	78.77
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	434.49	85.93
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	468.09	93.09
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	547.05	114.57
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0425 Utility Cabinets, 84" High *(06 41 13 00-0330)*

06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	733.70	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	826.93	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	925.94	598.34
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	974.90	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,166.34	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,336.60	152.77
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	820.36	63.65
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	905.89	76.39
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,028.97	89.12
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,094.30	101.85
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,341.59	127.31
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,526.28	152.77
		For All Plywood Box Construction, Add	*234.94*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	34.25	12.18
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	35.29	12.18
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	37.12	12.18
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	39.15	12.18
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	40.19	12.18
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	51.41	12.18
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	97.86	12.18
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	26.64	9.31
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	26.45	9.31
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	36.02	10.74
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	40.90	10.74
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	44.24	10.74
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	48.80	10.74
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	70.00	10.74
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	51.90	14.33
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	76.11	14.33
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	201.82	21.48
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	68.70	12.18
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	46.48	12.18

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	13.20	3.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.90	3.00
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	14.36	2.86
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	13.40	2.86
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	15.29	3.00
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*		
06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.84	2.58
06 42 16		**Flush Wood Paneling** *(06 42)*		
06 42 16 00-0001		Veneer Hardboard Panels *(06 42 16)*		
06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	7.71	2.59
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.77*	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0004		Birch *(06 42 16 00-0003)*		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.60	2.31
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.56*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.38*	
		For 5/8" Thick Paneling, Add	*1.68*	
		For 3/4" Thick Paneling, Add	*2.06*	
		For Fire Retardant Treatment (Class I), Add	*1.11*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.70	2.31
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.56*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.44*	
		For 5/8" Thick Paneling, Add	*1.76*	
		For 3/4" Thick Paneling, Add	*2.16*	
		For Fire Retardant Treatment (Class I), Add	*1.19*	
06 42 16 00-0007		Knotty Pine *(06 42 16 00-0003)*		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.61	2.59
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.71*	
		For 1/2" Thick Paneling, Add	*1.69*	
		For 5/8" Thick Paneling, Add	*2.08*	
		For 3/4" Thick Paneling, Add	*2.58*	
		For Fire Retardant Treatment (Class I), Add	*1.46*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	7.53	2.59
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.65*	
		For 5/8" Thick Paneling, Add	*2.02*	
		For 3/4" Thick Paneling, Add	*2.50*	
		For Fire Retardant Treatment (Class I), Add	*1.40*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.67	2.88
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.42*	
		For 5/8" Thick Paneling, Add	*1.67*	
		For 3/4" Thick Paneling, Add	*1.99*	
		For Fire Retardant Treatment (Class I), Add	*0.94*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.71	2.88
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.39*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.44*	
		For 5/8" Thick Paneling, Add	*1.70*	
		For 3/4" Thick Paneling, Add	*2.03*	
		For Fire Retardant Treatment (Class I), Add	*0.97*	
06 42 16 00-0013		**Top Grade Plywood Prefinished With Trim 1/4" Thick** *(06 42 16)*		
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	7.33	2.59
		For Flitch Matched Veneer, Add	*0.79*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.67*	
		For 1/2" Thick Paneling, Add	*1.54*	
		For 5/8" Thick Paneling, Add	*1.87*	
		For 3/4" Thick Paneling, Add	*2.29*	
		For Fire Retardant Treatment (Class I), Add	*1.24*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	8.03	2.59
		For Flitch Matched Veneer, Add	*1.14*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.34*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.40*	
		For Lumber Core, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.78*	
		For 1/2" Thick Paneling, Add	*1.92*	
		For 5/8" Thick Paneling, Add	*2.39*	
		For 3/4" Thick Paneling, Add	*3.01*	
		For Fire Retardant Treatment (Class I), Add	*1.79*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	11.78	2.59
		For Flitch Matched Veneer, Add	*2.44*	
		For Second Grade Veneer, Deduct	*-0.49*	
		For Third Grade Veneer, Deduct	*-0.73*	
		For Waterproof Glue, Add	*0.34*	
		For Ceiling Installation, Add	*2.07*	
		For Installation On Metal Studs Or Furring, Add	*0.76*	
		For Glue Laminated Installation, Add	*0.59*	
		For Lumber Core, Add	*0.54*	
		For 1/8" Thick Paneling, Deduct	*-1.30*	
		For 1/2" Thick Paneling, Add	*3.46*	
		For 5/8" Thick Paneling, Add	*4.49*	
		For 3/4" Thick Paneling, Add	*5.81*	
		For Fire Retardant Treatment (Class I), Add	*3.86*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	6.22	2.59
		For Flitch Matched Veneer, Add	*0.52*	
		For Second Grade Veneer, Deduct	*-0.10*	
		For Third Grade Veneer, Deduct	*-0.16*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.55*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.18*	
		For 5/8" Thick Paneling, Add	*1.40*	
		For 3/4" Thick Paneling, Add	*1.68*	
		For Fire Retardant Treatment (Class I), Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	10.41	2.59
		For Flitch Matched Veneer, Add	*1.97*	
		For Second Grade Veneer, Deduct	*-0.39*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.28*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.52*	
		For Lumber Core, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-1.11*	
		For 1/2" Thick Paneling, Add	*2.90*	
		For 5/8" Thick Paneling, Add	*3.73*	
		For 3/4" Thick Paneling, Add	*4.79*	
		For Fire Retardant Treatment (Class I), Add	*3.10*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	7.50	2.59
		For Flitch Matched Veneer, Add	*0.87*	
		For Second Grade Veneer, Deduct	*-0.17*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.69*	
		For 1/2" Thick Paneling, Add	*1.63*	
		For 5/8" Thick Paneling, Add	*2.00*	
		For 3/4" Thick Paneling, Add	*2.47*	
		For Fire Retardant Treatment (Class I), Add	*1.37*	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.78	2.59
		For Flitch Matched Veneer, Add	*1.15*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.35*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.44*	
		For Lumber Core, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.84*	
		For 1/2" Thick Paneling, Add	*2.02*	
		For 5/8" Thick Paneling, Add	*2.50*	
		For 3/4" Thick Paneling, Add	*3.12*	
		For Fire Retardant Treatment (Class I), Add	*1.82*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	13.67	2.59
		For Flitch Matched Veneer, Add	*2.78*	
		For Second Grade Veneer, Deduct	*-0.56*	
		For Third Grade Veneer, Deduct	*-0.83*	
		For Waterproof Glue, Add	*0.39*	
		For Ceiling Installation, Add	*2.43*	
		For Installation On Metal Studs Or Furring, Add	*0.89*	
		For Glue Laminated Installation, Add	*0.68*	
		For Lumber Core, Add	*0.61*	
		For 1/8" Thick Paneling, Deduct	*-1.50*	
		For 1/2" Thick Paneling, Add	*3.98*	
		For 5/8" Thick Paneling, Add	*5.14*	
		For 3/4" Thick Paneling, Add	*6.64*	
		For Fire Retardant Treatment (Class I), Add	*4.39*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	10.40	2.59
		For Flitch Matched Veneer, Add	*1.96*	
		For Second Grade Veneer, Deduct	*-0.39*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.27*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.52*	
		For Lumber Core, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-1.11*	
		For 1/2" Thick Paneling, Add	*2.89*	
		For 5/8" Thick Paneling, Add	*3.72*	
		For 3/4" Thick Paneling, Add	*4.78*	
		For Fire Retardant Treatment (Class I), Add	*3.10*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	9.10	2.59
		For Flitch Matched Veneer, Add	*1.67*	
		For Second Grade Veneer, Deduct	*-0.33*	
		For Third Grade Veneer, Deduct	*-0.50*	
		For Waterproof Glue, Add	*0.23*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.46*	
		For Lumber Core, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.96*	
		For 1/2" Thick Paneling, Add	*2.49*	
		For 5/8" Thick Paneling, Add	*3.20*	
		For 3/4" Thick Paneling, Add	*4.10*	
		For Fire Retardant Treatment (Class I), Add	*2.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	7.53	2.59
		For Flitch Matched Veneer, Add	*0.89*	
		For Second Grade Veneer, Deduct	*-0.18*	
		For Third Grade Veneer, Deduct	*-0.27*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.73*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.65*	
		For 5/8" Thick Paneling, Add	*2.02*	
		For 3/4" Thick Paneling, Add	*2.50*	
		For Fire Retardant Treatment (Class I), Add	*1.40*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	53.80	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)*		
		Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel	12.80	5.01
		Note: Includes cutting to fit.		

06 43 Wood Stairs and Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	64.20	29.06
06 43 13 00-0003	EA	30" Baluster, Birch	73.92	29.06
06 43 13 00-0004	EA	42" Baluster, Pine	71.46	30.06
06 43 13 00-0005	EA	42" Baluster, Birch	81.83	30.06
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	357.66	114.23
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	520.73	160.32
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	226.99	100.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*32.90*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	263.09	110.08
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*36.17*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	44.06	15.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.93*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	54.40	8.44
		For Beech, Add	*11.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.86*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	65.10	8.44
		For Beech, Add	*14.49*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.86*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	31.97	8.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.86*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	42.16	8.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.03*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	39.89	8.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.03*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	25.30	8.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.03*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	24.59	8.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.03*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	52.95	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)*		
		Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	308.67	87.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.64*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.36*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.57*	
		For Oak Or Maple Treads, Add	*82.87*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	326.01	89.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.29*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.21*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.92*	
		For Oak Or Maple Treads, Add	*89.40*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	341.98	90.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.63*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.65*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.10*	
		For Oak Or Maple Treads, Add	*95.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	360.39	91.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.95*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.07*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.28*	
		For Oak Or Maple Treads, Add	*103.57*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	371.45	92.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.28*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.50*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.46*	
		For Oak Or Maple Treads, Add	*107.90*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	383.93	94.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.94*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.36*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.82*	
		For Oak Or Maple Treads, Add	*112.23*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	394.97	95.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.27*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.79*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.00*	
		For Oak Or Maple Treads, Add	*116.55*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	406.05	96.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.61*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*85.23*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.18*	
		For Oak Or Maple Treads, Add	*120.88*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	417.05	97.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.93*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*85.65*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.35*	
		For Oak Or Maple Treads, Add	*125.20*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	430.88	100.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*32.92*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*86.95*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.89*	
		For Oak Or Maple Treads, Add	*129.48*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	22.34	7.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.29*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	23.96	7.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.29*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	29.35	7.15
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	30.70	7.15
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	35.55	7.15
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	50.53	7.15

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	71.10	7.60
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	89.35	11.11
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	109.33	12.86
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	130.41	13.44
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	287.96	15.20
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	334.21	16.37
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	401.80	17.54
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	479.21	18.70
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	81.59	7.60
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	97.76	11.11
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	120.94	12.86
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	142.82	13.44
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	313.18	15.20
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	424.69	16.37
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	457.85	17.54
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	515.24	18.70

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	85.19	7.60
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	105.36	11.11
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	130.14	12.86
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	156.44	13.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	353.26	15.20
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	410.68	16.37
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	494.80	17.54
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	591.23	18.70
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	98.32	7.60
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	116.85	11.11
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	145.20	12.86
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	172.37	13.44
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	384.85	15.20
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	524.10	16.37
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	565.07	17.54
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	636.43	18.70
06 44 39 00-0036		**Pine Classical Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	76.08	7.60
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	95.35	11.11
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	116.87	12.86
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	139.75	13.44
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	87.52	7.60
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	104.51	11.11
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	129.52	12.86
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	153.28	13.44
06 44 39 00-0045		**Redwood Colonial Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	118.02	7.60
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	142.20	11.11
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	176.99	12.86
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	216.09	13.44
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	135.64	7.60
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	161.01	11.11
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	199.01	12.86
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	244.92	13.44
06 44 39 00-0054		**Ornamental Or Decorative Cap And Bases, Resin** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	367.87	15.78
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	555.54	17.54
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	773.57	20.46
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	987.61	23.39
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	327.84	15.78
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	455.45	17.54
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	565.39	20.46
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	739.38	23.39
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	345.02	16.37
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	455.45	17.54
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	565.39	20.46
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	719.36	23.39
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	349.02	16.37
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	495.48	17.54
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	585.40	20.46
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	803.44	23.39
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	349.02	16.37
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	539.52	17.54
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	713.52	20.46
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	883.51	23.39
06 44 39 00-0075		**Ornamental Or Decorative Cap And Bases, Plaster** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	740.21	15.78
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	831.79	17.54
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,057.82	20.46
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,163.76	23.39
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	491.98	15.78
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	571.55	17.54
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	705.52	20.46
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	887.52	23.39
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	473.14	16.37
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	619.60	17.54
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	749.56	20.46
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	887.52	23.39
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	561.22	16.37
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	743.71	17.54
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	837.63	20.46
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,063.67	23.39
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	473.14	16.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	611.59	17.54
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	797.60	20.46
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,019.63	23.39
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	533.19	16.37
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	651.62	17.54
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	793.60	20.46
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	887.52	23.39

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.32	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.37	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.67	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.71	2.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	7.09	2.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.10	1.71
		For Clear Birch, Add	*0.76*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
		For Clear Poplar, Add	*0.48*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	9.90	2.15
		For Clear Birch, Add	*0.88*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.95*	
		For Stain Grade Material (No Finger Joints), Add	*0.50*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.12	2.44
		For Clear Birch, Add	*1.36*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.70*	
		For Stain Grade Material (No Finger Joints), Add	*0.77*	
		For Clear Poplar, Add	*0.85*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.05	2.72
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	7.83	2.72
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	7.36	2.72

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	9.63	2.58
		For Birch, Add	*1.25*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.33*	
		For Poplar, Add	*0.78*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	11.61	2.58
		For Birch, Add	*1.88*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.22*	
		For Poplar, Add	*1.18*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.15	2.58
		For Birch, Add	*0.92*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.72*	
		For Poplar, Add	*0.57*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.50	2.58
		For Birch, Add	*0.64*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.37*	
		For Poplar, Add	*0.80*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.19	2.72
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.05*	
		For Poplar, Add	*1.45*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	12.36	2.86
		For Birch, Add	*2.21*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.38*	
		For Poplar, Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	14.13	2.86
		For Birch, Add	*2.74*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.08*	
		For Poplar, Add	*3.43*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	16.16	3.00
		For Birch, Add	*3.37*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.89*	
		For Poplar, Add	*4.21*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	20.46	3.29
		For Birch, Add	*4.79*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*6.70*	
		For Poplar, Add	*5.99*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.55	2.86
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.47	3.17
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	8.04	3.34
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	9.39	3.74
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.49	2.86
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	7.38	3.17
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	8.17	3.34
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.77	3.74
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	8.42	2.86
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	9.92	3.17
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	11.21	3.34
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	14.30	3.74

06 46 29 00-0015 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	6.95	2.86
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	8.08	3.17
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	9.23	3.34
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	11.06	3.74

06 46 29 00-0020 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	6.32	2.86
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	7.16	3.17
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	8.67	3.74

06 46 29 00-0024 Soffit *(06 46 29)*

06 46 29 00-0025 Sanded Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	5.49	2.16
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	5.97	2.28
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	6.27	2.38
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	6.88	2.51

06 46 29 00-0030 MDO Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	6.02	2.16
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	6.65	2.28
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	8.19	2.51

06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0024)*

06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.51	1.89
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.85	1.99

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001 Ash *(06 46 36)*

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	9.04	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	11.21	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	13.38	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	15.53	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	17.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	20.18	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	22.32	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	24.52	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	26.61	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	28.96	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	31.18	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	10.57	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	13.39	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	16.23	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	19.05	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	22.10	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	25.09	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	27.91	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	30.77	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	33.56	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	36.58	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	39.48	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	12.48	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	16.21	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	19.95	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	23.68	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	27.59	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	31.48	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	35.20	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	38.96	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	42.63	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	46.54	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	50.35	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	15.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	20.21	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	25.24	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	30.26	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	35.31	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	40.63	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	45.73	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	50.69	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	55.64	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	61.33	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	65.94	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0046		**Basswood** *(06 46 36)*		
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	7.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	9.20	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	10.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	12.19	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	13.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	15.51	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	16.99	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	18.51	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	19.94	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	21.62	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	23.17	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	8.66	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	10.54	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	12.42	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	14.29	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	16.38	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	18.42	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	20.28	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	22.19	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	24.03	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	26.10	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	28.04	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	11.43	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	14.64	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	17.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	21.06	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	24.44	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	27.81	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	31.00	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	34.24	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	37.38	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	40.77	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	44.05	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	41.25	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	50.29	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	59.21	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	68.40	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	77.31	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	86.46	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	95.28	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	104.20	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	113.40	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.88*	

06 46 36 00-0089 Birch *(06 46 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	8.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	9.92	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	11.66	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	13.38	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	15.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	17.18	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	18.89	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	20.66	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	22.32	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	24.24	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	26.03	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	9.37	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	11.58	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	13.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	16.10	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	18.53	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	20.89	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	23.14	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	25.43	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	27.61	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	30.01	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	32.33	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	10.76	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	13.64	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	16.52	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	19.39	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	22.44	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	25.48	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	28.33	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	31.24	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	34.05	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	37.10	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	40.05	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	12.91	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	16.78	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	20.66	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	24.54	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	28.45	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	32.62	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	36.48	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	40.40	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	44.20	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	48.75	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	52.21	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0134		**Clear Western Cedar** *(06 46 36)*		
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	9.92	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	11.66	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	13.38	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	15.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	17.18	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.47	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	11.77	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	14.09	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	16.38	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	18.86	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	21.32	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	12.00	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	15.50	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	19.00	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	22.49	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	26.16	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	29.81	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	12.33	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	15.93	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	19.52	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	23.11	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	26.73	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	30.62	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	36.67	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	44.57	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	52.35	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	60.39	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	68.16	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	76.07	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	83.84	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	91.61	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	99.67	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.88*	
06 46 36 00-0168		**Cherry** *(06 46 36)*		
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	9.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	12.21	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	14.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	17.20	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	19.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	22.52	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	24.99	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	27.52	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	29.94	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	32.63	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	35.19	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	11.38	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	14.63	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	17.90	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	21.15	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	24.58	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	28.00	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	31.24	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	34.58	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	37.71	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	41.16	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	44.49	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	13.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	17.31	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	21.38	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	25.49	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	29.73	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	34.01	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	38.06	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	42.20	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	46.20	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	50.50	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	54.64	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	16.53	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	22.22	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	27.91	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	33.59	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	39.31	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	45.30	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	50.97	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	56.70	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	62.31	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	68.29	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	73.95	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	

06 46 36 00-0213 Cypress *(06 46 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.20	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	10.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.19	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	13.85	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	15.51	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	17.37	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	18.94	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	21.84	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	23.72	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	9.85	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	12.30	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	14.80	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	17.29	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	19.95	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	22.56	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	25.05	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	27.57	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	29.99	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	32.72	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	35.19	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	11.38	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	14.50	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	17.61	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	20.73	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	23.87	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	27.29	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	30.38	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	33.54	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	39.43	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	42.94	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	

06 46 36 00-0245 Fir *(06 46 36)*

06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	8.47	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	10.35	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	12.23	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	14.10	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	16.14	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	18.18	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	20.04	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	21.94	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	23.75	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	25.81	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	9.85	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	12.30	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	14.80	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	17.29	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	19.95	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	22.56	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	25.05	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	27.57	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	29.99	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	32.72	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	35.19	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	10.91	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	13.88	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	16.80	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	19.77	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	22.87	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	26.00	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	28.91	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	31.91	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	34.76	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	37.91	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	40.91	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	12.33	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	15.93	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	19.52	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	23.11	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	26.73	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	30.62	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	34.19	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	37.82	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	41.34	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	45.13	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	48.78	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	19.45	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	26.46	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	33.47	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	40.62	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	47.63	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	54.91	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	61.92	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	69.17	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	76.07	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	83.09	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	41.34	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	50.29	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	59.21	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	68.40	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	77.31	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	86.37	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	95.28	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	104.20	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.28	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	13.06	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	15.86	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	18.63	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	21.57	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	24.52	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	27.28	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	30.09	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	32.80	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	35.78	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	38.62	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	12.23	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	15.87	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	19.57	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	23.25	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	27.10	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	30.90	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	34.58	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	38.30	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	41.90	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	45.73	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	49.97	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	13.77	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	18.17	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	22.52	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	26.92	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	31.45	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	36.01	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	40.34	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	44.78	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	48.11	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	53.64	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	58.07	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	16.72	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	22.50	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	28.29	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	34.07	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	39.88	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	45.97	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	51.73	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	57.56	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	63.26	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	69.25	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.70*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	75.18	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	19.64	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	26.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	33.99	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	41.32	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	48.49	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	55.96	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	63.11	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	70.45	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	77.60	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	84.81	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	92.24	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.81*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	23.83	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	31.61	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	40.34	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	49.20	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	57.92	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	66.92	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	75.64	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	84.51	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	93.23	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	101.96	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	110.97	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.84*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	54.21	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	66.49	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	78.65	2.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	91.09	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	103.24	2.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	115.54	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	127.69	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	139.85	2.29
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	152.29	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.88*	
06 46 36 00-0383		**Maple** *(06 46 36)*		
06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	8.09	1.57
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	9.78	1.57
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	11.47	1.57
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	13.15	1.71
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	14.99	1.71
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	16.85	1.86
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	18.51	1.86
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	20.23	1.86
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	21.84	2.01
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	23.72	2.15
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	25.46	2.15
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	9.37	1.57
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	11.58	1.57
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	13.85	1.71
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	16.10	1.71
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	18.53	1.86
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	20.89	1.86
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	23.14	1.86
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	25.43	2.01
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	27.61	2.01
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	29.05	2.15
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	32.33	2.15
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	10.48	1.57
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	13.21	1.57
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	15.95	1.71
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	18.68	1.71
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	21.58	1.86
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	24.48	1.86
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	27.19	2.01
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	29.95	2.01
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	32.62	2.01
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	35.53	2.15
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	38.33	2.29
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	12.71	1.57
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	16.50	1.71
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	20.28	1.71
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	24.06	1.86
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	27.87	1.86
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	31.96	2.01
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	35.72	2.01
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	40.02	2.15
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	43.24	2.15
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	47.32	2.29
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	51.07	2.29
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	16.30	1.71
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	21.84	1.71
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	27.32	1.71
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	32.98	1.86
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	38.48	1.86
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	44.29	2.01
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	49.77	2.01
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	55.43	2.15
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	60.92	2.15
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	66.46	2.29
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	72.70	2.44
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	58.03	1.86
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	71.26	1.86
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	84.37	2.01
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	97.76	2.15
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	110.86	2.15
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	124.12	2.29
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	137.22	2.29
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	150.33	2.29
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	163.73	2.44
06 46 36 00-0448		**Appl Soft Maple** *(06 46 36)*		
06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.19	1.57
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	9.92	1.57
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	11.66	1.57
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	13.38	1.71
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	15.28	1.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	17.18	1.86
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	18.89	1.86
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	20.66	1.86
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	22.32	2.01
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	24.24	2.15
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	26.03	2.15
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.14	1.57
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.25	1.57
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	13.37	1.71
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	15.43	1.71
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	17.81	1.86
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	20.08	1.86
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	22.19	1.86
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	24.33	2.01
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	26.41	2.01
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	28.72	2.15
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	30.90	2.15
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.05	1.57
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	12.59	1.57
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	15.09	1.71
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	17.63	1.71
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	20.30	1.86
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	23.00	1.86
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	25.47	2.01
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	28.05	2.01
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	30.47	2.01
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	33.20	2.15
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	35.76	2.29
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	11.76	1.57
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	15.07	1.71
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	18.37	1.71
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	21.68	1.86
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	25.01	1.86
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	28.62	2.01
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	31.91	2.01
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	35.25	2.15
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	38.48	2.15
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	41.98	2.29
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	45.35	2.29

06 46 36 00-0493 Red Oak *(06 46 36)*

06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.66	1.57
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	10.63	1.57
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	12.61	1.57
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	14.58	1.71
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	16.71	1.71
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	18.85	1.86
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	20.80	1.86
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	22.80	1.86
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	24.70	2.01
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	26.86	2.15
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	28.89	2.15
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	10.18	1.57
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	12.87	1.57
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	15.52	1.71
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	19.15	1.71
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	21.00	1.86
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	23.85	1.86
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	26.48	1.86
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	29.15	2.01
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	31.75	2.01
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	34.63	2.15
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	37.34	2.15
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	12.34	1.57
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	16.02	1.57
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	19.66	1.71
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	23.35	1.71
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	27.16	1.86
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	31.01	1.86
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	34.63	2.01
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	38.34	2.01
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	41.91	2.01
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	45.78	2.15
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	49.49	2.29
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	16.72	1.57
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	22.50	1.71
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	28.29	1.71
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	34.07	1.71
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	39.88	1.86
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	46.06	2.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	51.73	2.01
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	58.51	2.15
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	63.26	2.15
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	69.25	2.15
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	75.09	2.29
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	24.88	1.71
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	34.71	1.71
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	44.48	1.71
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	54.43	1.86
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	64.22	1.86
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	74.31	2.01
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	84.08	2.01
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	94.04	2.15
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	103.82	2.15
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	113.64	2.29
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	123.70	2.44
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	8.76	1.57
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	10.78	1.57
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	12.81	1.57
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	14.81	1.71
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	16.99	1.71
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	19.18	1.86
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	21.18	1.86
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	23.23	1.86
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	25.18	2.01
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	27.39	2.15
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	29.47	2.15
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	10.18	1.57
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	12.87	1.57
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	15.52	1.71
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	19.15	1.71
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	21.00	1.86
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	23.85	1.86
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	26.48	1.86
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	29.15	2.01
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	31.75	2.01
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	34.63	2.15
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	37.34	2.15
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	12.48	1.57
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	16.21	1.57
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	19.95	1.71
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	23.68	1.71
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	27.59	1.86
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	31.48	1.86
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	35.20	2.01
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	38.96	2.01
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	42.63	2.01
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	46.54	2.15
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	50.35	2.29
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	19.58	1.57
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	26.79	1.71
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	34.01	1.71
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	41.22	1.86
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	48.46	1.86
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	55.98	2.01
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	63.17	2.01
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	70.43	2.15
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	76.61	2.15
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	84.97	2.29
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	92.25	2.29
06 46 36 00-0594		**White Pine** *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	9.62	1.57
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	12.06	1.57
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	14.52	1.57
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	16.96	1.71
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	19.57	1.71
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	22.18	1.86
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	24.61	1.86
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	27.09	1.86
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	30.90	2.01
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	33.68	2.15
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	10.66	1.57
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	13.59	1.57
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	16.47	1.71
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	19.39	1.71
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	22.43	1.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	25.52	1.86
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	28.38	1.86
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	31.34	2.01
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	34.14	2.01
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	37.25	2.15
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	40.20	2.15
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	11.91	1.57
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	15.36	1.57
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	18.90	1.71
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	22.25	1.71
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	25.87	1.86
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	29.48	1.86
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	32.91	2.01
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	36.39	2.01
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	39.77	2.01
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	43.40	2.15
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	46.91	2.29
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	14.62	1.57
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	19.36	1.71
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	24.09	1.71
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	28.83	1.86
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	33.59	1.86
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	38.63	2.01
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	43.34	2.01
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	48.12	2.15
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	53.73	2.15
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	57.71	2.29
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	62.51	2.29
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	21.78	1.71
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	30.04	1.71
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	38.28	1.71
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	46.66	1.86
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	54.93	1.86
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	63.45	2.01
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	71.69	2.01
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	80.07	2.15
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	88.33	2.15
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	96.58	2.29
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	105.11	2.44
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	25.74	1.71
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	35.90	1.71
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	46.06	1.86
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	56.34	1.86
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	66.50	1.86
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	76.93	2.01
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	87.08	2.15
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	97.38	2.15
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	107.53	2.29
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	117.69	2.29
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	128.13	2.44
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	63.36	1.86
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	77.93	1.86
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	92.38	2.01
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	107.10	2.15
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	121.54	2.15
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	136.13	2.29
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	150.57	2.29
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	165.01	2.29
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	179.74	2.44
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.95	1.57
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.06	1.57
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.18	1.57
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.29	1.71
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	11.56	1.71
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	12.84	1.86
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	13.94	1.86
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.08	1.86
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.80	1.57
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.30	1.57
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.75	1.71
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.24	1.71
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	13.85	1.86
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.51	1.86
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	17.42	1.86
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	18.99	2.01
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.90	1.57
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.78	1.71
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.65	1.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.53	1.86
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	16.44	1.86
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	18.61	2.01
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	20.47	2.01
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	22.38	2.15
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	25.61	2.15
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	26.44	2.29
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.23	1.57
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.49	1.57
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.75	1.57
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.00	1.71
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.42	1.71
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	13.84	1.86
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.08	1.86
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	16.37	1.86
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	17.55	2.01
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	19.00	2.15
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	20.41	2.15
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.18	1.57
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.82	1.57
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.47	1.71
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.10	1.71
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	14.95	1.86
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	16.75	1.86
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	18.38	1.86
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.04	2.01
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	21.65	2.01
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	23.48	2.15
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	25.18	2.15
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.05	1.57
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.07	1.57
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.09	1.71
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	15.10	1.71
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	17.29	1.86
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	19.47	1.86
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	21.47	2.01
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	23.52	2.01
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	25.47	2.01
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	27.67	2.15
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	29.76	2.29
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.00	1.57
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	13.92	1.71
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	16.85	1.71
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	19.77	1.86
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	22.73	1.86
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	25.95	2.01
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	28.86	2.01
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	31.82	2.15
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	34.66	2.15
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	37.79	2.29
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	40.77	2.29
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	13.92	1.71
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	18.27	1.71
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	22.55	1.71
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	27.03	1.86
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	31.33	1.86
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	35.95	2.01
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	40.23	2.01
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	44.71	2.15
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	49.00	2.15
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	53.35	2.29
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	57.92	2.44
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	16.87	1.71
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	22.60	1.71
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	28.33	1.86
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	34.18	1.86
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	39.91	1.86
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	45.91	2.01
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	51.62	2.15
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	57.49	2.15
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	63.20	2.29
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	68.93	2.29
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	74.94	2.44
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	38.20	1.86
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	46.48	1.86
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	54.63	2.01
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	63.16	2.15
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	71.21	2.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	79.50	2.29
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	87.65	2.29
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	95.81	2.29
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	104.25	2.44
06 46 36 00-0772		**Clear Heart Redwood** *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.57	1.57
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.49	1.57
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.42	1.57
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.34	1.71
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	16.42	1.71
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	18.51	1.86
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	22.32	1.86
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	24.52	1.86
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	24.65	2.01
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	26.34	2.15
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.09	1.57
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	12.68	1.57
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.28	1.71
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	17.86	1.71
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	20.67	1.86
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	23.42	1.86
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	29.34	1.86
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	32.39	2.01
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	35.33	2.01
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	38.54	2.15
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	12.91	1.57
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	16.78	1.71
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	20.66	1.71
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	24.54	1.86
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	28.45	1.86
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	32.72	2.01
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	43.34	2.01
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	48.12	2.15
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	56.59	2.15
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	61.91	2.29
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	59.55	1.86
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	73.17	1.86
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	86.66	2.01
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	100.43	2.15
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	113.91	2.15
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	127.55	2.29
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	141.03	2.29
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	154.53	2.29
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	168.30	2.44
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	21.34	1.57
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	29.65	1.57
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	37.97	1.57
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	46.27	1.71
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	54.74	1.71
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	63.22	1.86
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	71.51	1.86
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	79.85	1.86
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	88.09	2.01
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	96.59	2.15
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	104.96	2.15
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	47.60	1.57
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	54.53	1.71
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	70.99	1.71
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	87.45	1.86
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	103.94	1.86
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	120.23	2.01
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	137.14	2.01
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	153.64	2.15
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	170.02	2.15
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	186.68	2.29
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	203.20	2.29
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	12.28	1.57
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	16.07	1.57
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	19.86	1.57
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	23.63	1.71
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	27.57	1.71
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	31.53	1.86
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	35.29	1.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	39.10	1.86
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	42.81	2.01
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	46.79	2.15
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	50.63	2.15
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	14.47	1.57
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	19.30	1.57
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	24.10	1.71
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	28.92	1.71
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	33.87	1.86
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	38.86	1.86
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	43.64	1.86
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	48.50	2.01
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	53.20	2.01
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	58.22	2.15
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	63.07	2.15
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	17.48	1.57
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	23.74	1.57
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	29.96	1.71
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	36.22	1.71
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	42.60	1.86
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	49.02	1.86
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	55.22	2.01
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	61.51	2.01
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	67.65	2.01
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	74.09	2.15
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	80.37	2.29
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	23.20	1.57
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	32.23	1.71
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	41.25	1.71
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	50.28	1.86
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	59.33	1.86
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	68.66	2.01
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	77.66	2.01
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	86.73	2.15
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	96.62	2.15
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	104.90	2.29
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	113.98	2.29
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	37.99	1.71
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	54.35	1.71
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	70.69	1.71
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	87.18	1.86
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	103.54	1.86
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	120.17	2.01
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	136.51	2.01
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	153.00	2.15
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	169.35	2.15
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	185.71	2.29
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	202.34	2.44
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	47.19	1.71
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	68.07	1.71
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	88.95	1.86
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	109.96	1.86
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	130.85	1.86
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	152.00	2.01
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	172.87	2.15
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	193.90	2.15
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	214.77	2.29
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	235.65	2.29
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	256.82	2.44

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	359.10	81.12
		For Birch, Add	*68.95*	
		For Mahogany, Add	*167.46*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	377.42	85.01
		For Birch, Add	*72.86*	
		For Mahogany, Add	*176.94*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	395.76	88.32
		For Birch, Add	*76.75*	
		For Mahogany, Add	*186.40*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	430.68	94.52
		For Birch, Add	*84.54*	
		For Mahogany, Add	*205.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	466.44	101.29
		For Birch, Add	*92.34*	
		For Mahogany, Add	*224.25*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	524.67	81.40
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	534.87	85.01
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	545.00	88.61
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	562.55	94.37
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	583.08	101.58
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	416.29	81.40
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	436.27	85.01
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	456.36	88.61
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	493.44	94.37
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	533.40	101.58

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.15	38.61
		For Oak Or Maple, Add	*31.61*	
		For Birch, Add	*35.69*	
		For Mahogany, Add	*86.67*	
		For Walnut Frame, Add	*45.88*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	180.37	38.76
		For Oak Or Maple, Add	*31.87*	
		For Birch, Add	*35.99*	
		For Mahogany, Add	*87.40*	
		For Walnut Frame, Add	*46.27*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	182.67	39.47
		For Oak Or Maple, Add	*32.12*	
		For Birch, Add	*36.26*	
		For Mahogany, Add	*88.06*	
		For Walnut Frame, Add	*46.62*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	185.67	40.49
		For Oak Or Maple, Add	*32.43*	
		For Birch, Add	*36.62*	
		For Mahogany, Add	*88.93*	
		For Walnut Frame, Add	*47.08*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	189.95	41.49
		For Oak Or Maple, Add	*33.12*	
		For Birch, Add	*37.39*	
		For Mahogany, Add	*90.81*	
		For Walnut Frame, Add	*48.07*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	200.73	44.08
		For Oak Or Maple, Add	*34.87*	
		For Birch, Add	*39.37*	
		For Mahogany, Add	*95.61*	
		For Walnut Frame, Add	*50.62*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	213.61	47.69
		For Oak Or Maple, Add	*36.63*	
		For Birch, Add	*41.35*	
		For Mahogany, Add	*100.43*	
		For Walnut Frame, Add	*53.17*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	225.10	50.72
		For Oak Or Maple, Add	*38.38*	
		For Birch, Add	*43.33*	
		For Mahogany, Add	*105.23*	
		For Walnut Frame, Add	*55.71*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.79	3.45
		For Oak Or Maple, Add	*0.58*	
		For Birch, Add	*0.65*	
		For Mahogany, Add	*1.59*	
		For Walnut Frame, Add	*0.84*	

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	14.20	2.32
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	18.09	2.52
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.61	2.72
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	31.47	3.23
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	37.66	3.63
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	20.45	3.13
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	27.45	3.33
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	28.58	3.43
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	39.31	3.73
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	53.51	3.93
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.22	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.77	1.37
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.63	1.51
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	20.31	1.82
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.90	2.12
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	36.36	2.72
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.71	1.92
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.58	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.84	2.21
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	37.58	2.52
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.78	2.72
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.89	4.13
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	31.06	5.85
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	33.05	6.55
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	44.64	7.47
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	60.99	9.18
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.30	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.50	1.51
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	13.20	1.62
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.93	1.72
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	8.08	1.15
		For Reinforced Structural Plastic Lumber, Add	*2.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.25	1.30
		For Reinforced Structural Plastic Lumber, Add	*3.10*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.05*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.18*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.38	1.30
		For Reinforced Structural Plastic Lumber, Add	*4.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.69*	
		For White Color, Add	*1.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.99*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-1.04*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	8.13	1.15
		For Reinforced Structural Plastic Lumber, Add	*2.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.66*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.98	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.85*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	9.14	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.63	1.11
		For Reinforced Structural Plastic Lumber, Add	*1.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.51*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.05*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.30	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.50	1.51
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	13.20	1.62
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.93	1.72
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	20.31	1.82
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.52	1.92
		For Reinforced Structural Plastic Lumber, Add	*8.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.31*	
		For White Color, Add	*2.73*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.67*	
		For >750, Deduct	*-1.96*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.58	1.77
		For Reinforced Structural Plastic Lumber, Add	*4.09*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.38*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.87*	
		For >750, Deduct	*-0.99*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.83	1.89
		For Reinforced Structural Plastic Lumber, Add	*6.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.03*	
		For White Color, Add	*2.14*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.46*	
		For >750, Deduct	*-1.54*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.78	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.38*	
		For White Color, Add	*2.87*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.96*	
		For >750, Deduct	*-2.06*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.90	2.12
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	36.36	2.72
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.71	1.92
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.58	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	34.34	2.19
		For Reinforced Structural Plastic Lumber, Add	*11.55*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.87*	
		For White Color, Add	*3.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.12*	
		For >500, Deduct	*-3.12*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.84	2.21
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.58	2.52
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.78	2.72
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	73.03	3.03
		For Reinforced Structural Plastic Lumber, Add	*25.42*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.12*	
		For White Color, Add	*8.59*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.86*	
		For >500, Deduct	*-6.87*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.95	2.92
		For Reinforced Structural Plastic Lumber, Add	*22.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.65*	
		For White Color, Add	*7.60*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.81*	
		For >500, Deduct	*-6.08*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	110.78	3.03
		For Reinforced Structural Plastic Lumber, Add	*39.39*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.39*	
		For White Color, Add	*13.31*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.68*	
		For >500, Deduct	*-10.65*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	153.57	3.17
		For Reinforced Structural Plastic Lumber, Add	*55.16*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.94*	
		For White Color, Add	*18.63*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.76*	
		For >500, Deduct	*-14.91*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	6.03	1.01
		For Reinforced Structural Plastic Lumber, Add	*1.70*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.28*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	17.17	1.30
		For Reinforced Structural Plastic Lumber, Add	*5.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.92*	
		For White Color, Add	*1.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.98*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.92	1.51
		For Reinforced Structural Plastic Lumber, Add	*6.20*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.01*	
		For White Color, Add	*2.10*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.36*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.44	1.82
		For Reinforced Structural Plastic Lumber, Add	*7.71*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.25*	
		For White Color, Add	*2.61*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.42*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	51.67	2.12
		For Reinforced Structural Plastic Lumber, Add	*18.00*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.92*	
		For White Color, Add	*6.08*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.65*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.90	1.11
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	7.14	1.15
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.26	1.23
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	13.04	1.27

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	21.05	2.40
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	38.97	2.40
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	38.97	2.40
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	50.92	2.40
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	26.31	2.40
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	44.47	2.40
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	44.47	2.40
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	55.94	2.40
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	21.29	2.40
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	33.95	2.40
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	33.95	2.40
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	45.90	2.40
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	25.83	2.40
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	38.97	2.40
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	38.97	2.40
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	48.05	2.40

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.14
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.68
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.61
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.61
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.47
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	181.01
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.73
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	346.30
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	519.53
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,035.29
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.20
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.34
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.13
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.13
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.45
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.71
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.43
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	485.56
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	734.75
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,465.73
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.27
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.41
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.53
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.53
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.70
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	334.20
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	555.19	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	843.63	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,672.09	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	34.07	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.27	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.39	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.39	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.23	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.93	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.65	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	637.48	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	963.90	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,921.49	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.13	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.93	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	205.08	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	391.17	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.89	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.82	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,127.21	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,244.32	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.86	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.13	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	191.15	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.91	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.63	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.84	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,114.55	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,179.75	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.73	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.45	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.43	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.43	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.79	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.80	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.52	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	883.08	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,337.37	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,668.43	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	53.06	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.98	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.69	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.69	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.71	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.43	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	531.15	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,009.68	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,527.27	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,035.57	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.32	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.31	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.62	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	152.09	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	305.09	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.49	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	536.21	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,017.28	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.99	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,067.22	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.18	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.97	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	190.07	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	190.07	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	343.07	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.76	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.48	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,250.22	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,899.47	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,774.91	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	20.65	7.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	29.30	11.22
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	33.85	12.63
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	40.75	13.21
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	49.36	15.25
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	39.64	14.61
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	43.75	15.78
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	51.07	17.54
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	68.16	18.70
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	90.18	20.46

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	21.67	7.72
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	30.66	11.22
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	35.57	12.63
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	43.64	13.21
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	53.12	15.32
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	41.72	14.61
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	46.18	15.78
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	54.27	17.54
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	74.31	18.70
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	100.03	20.46

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	145.25	17.54
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	192.24	20.46
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	244.80	23.39
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	171.05	17.54
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	205.49	20.46
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	296.41	23.39
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	212.89	17.54
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	257.79	20.46
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	339.64	23.39
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	147.34	17.54
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	196.43	20.46
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	248.99	23.39
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	147.34	17.54
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	176.90	20.46
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	231.56	23.39

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	52.46	3.00
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	71.21	3.61
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	93.32	3.97

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.33	2.86
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	9.00	3.58
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.07	3.00

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	6.92	2.86
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.14	3.00
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	10.37	3.15
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	11.65	3.29
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	13.11	3.44
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	16.12	3.58

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	10.54	2.86
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	13.90	3.58
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	14.36	3.58
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	14.83	3.58
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	19.03	4.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	21.90	4.29
06 65 00 00-0020		**Dentil, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	9.31	2.86
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	10.19	2.86
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	12.17	2.86
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	15.58	2.86
06 65 00 00-0025		**Cove, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.88	1.57
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.11	1.57
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.28	1.86
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.28	1.86
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	6.31	1.86
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	8.09	2.15
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	10.26	2.15
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.22	2.15
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.35	2.86
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	9.69	2.86
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.93	2.58
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.96	2.58
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.47	3.00
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.93	3.00
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.71	2.86
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.64	2.86
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.81	2.86
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	9.32	2.86
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.32	2.86
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)* Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.20	1.15
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	5.83	1.29
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.57	1.43
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.00	1.46
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	10.58	1.50
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.03	1.15
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.12	1.29
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	9.00	1.43
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.96	1.46
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.77	1.50
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	10.51	1.46
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	13.74	1.50
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	7.44	1.29
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	10.57	1.43

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	38.67	2.16
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	37.59	2.16
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	48.76	2.16
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	52.96	2.77
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	40.53	2.16
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	39.41	2.16
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	51.45	2.16
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	55.49	2.77
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	36.49	1.73
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	58.72	1.90
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	80.24	2.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0014		**IFR Fire Retardant Isophthalic Resin** *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	35.64	2.16
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	33.44	2.16
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.76	2.16
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	46.30	2.77
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	37.17	2.16
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	34.31	2.16
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	46.62	2.77
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	48.81	2.77
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	32.26	1.73
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	45.42	1.90
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	62.17	2.09
06 74 13 00-0026		**Corvex Polyester Resin** *(06 74 13 00-0001)* Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	30.39	2.16
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	29.22	2.16
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	35.22	2.16
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	40.58	2.77
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	32.32	2.16
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	31.14	2.16
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.46	2.16
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	42.50	2.77
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	28.57	1.73
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	45.22	1.90
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	62.49	2.09
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	44.26	2.16
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	43.00	2.16
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	58.51	2.16
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	62.68	2.77
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	46.15	2.16
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	44.92	2.16
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	60.75	2.16
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	65.40	2.77
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	41.69	1.73
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	67.02	1.90
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	45.37	2.16
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	44.02	2.16
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	56.97	2.16
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	61.23	2.77
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	47.12	2.16
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	46.01	2.16
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	59.13	2.16
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	63.41	2.77
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	46.51	1.73
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	83.32	1.90
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*		
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)* Note: For moderately corrosive environments, green.		
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.53	2.77
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.97	2.16
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	36.66	2.77
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	33.97	2.16
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	25.58	2.77
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	22.76	2.16
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.17	2.77
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.42	2.16
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	36.62	2.77
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	33.16	2.16
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	41.05	2.77
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	38.57	2.16
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	32.31	2.77
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.56	2.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.13	2.77
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	35.44	2.77
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	42.60	2.77
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	40.26	2.77
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	34.39	2.16
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	30.85	2.16
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	38.57	2.16
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	44.15	2.16
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	26.60	2.16
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	23.87	2.16
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	30.41	2.16
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	27.98	2.16
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	37.67	2.16
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	34.17	2.16
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	42.94	2.16
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	40.15	2.16
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.95	2.16
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	31.34	2.16
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	33.70	2.77
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	31.17	2.77
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	44.80	2.77
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	43.54	2.77

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.82	3.61
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.21	3.61
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	17.23	4.32
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.81	4.32
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.91	4.32
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.06	4.32
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	21.60	4.32
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	24.05	4.32
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	55.25	5.40
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	63.17	5.40
06 82 00 00-0013		Fiberglass Channels *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.43	5.40
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.82	5.40
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	21.89	6.13
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	21.89	6.13
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	33.00	6.13
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	38.01	6.13
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	31.14	6.13
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	37.83	6.13
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	47.51	8.41
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	53.96	8.41
06 82 00 00-0024		Fiberglass Wide Flange Beams *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	30.19	7.21
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	32.68	7.21
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	38.35	8.66
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	39.54	8.66
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	60.37	10.82
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	74.44	10.82
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	128.83	13.22
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	144.22	13.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	25.06	6.13
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	26.04	6.13
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	38.18	7.21
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	43.40	7.21
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	51.26	8.66
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	59.10	8.66
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	68.72	10.82
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	80.73	10.82
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.23	4.32
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	21.19	6.36
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	24.70	8.41
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.17	3.61
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	20.71	5.40
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	23.09	5.40
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	29.76	5.40
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	35.43	6.13
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.25	3.61
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.02	3.61
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.16	4.32
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	17.52	4.32
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	29.47	5.40
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	32.61	5.40
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	34.73	6.49
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	43.47	6.49
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.84	3.61
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.19	3.61
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	19.19	4.32
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	20.34	4.32
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	13.62	2.77
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.42	2.77
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.54	3.12
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.08	3.12
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	19.83	3.12
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	15.58	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.68	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	25.11	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.80	0.38
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.80	0.38
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.80	0.38
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.80	0.38
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.80	0.38
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	121.10	18.87
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	141.99	18.87
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	162.88	18.87
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	183.76	18.87
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	133.63	18.87
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	157.65	18.87
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	181.67	18.87
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	205.69	18.87
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	152.85	18.87
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	181.67	18.87
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	210.50	18.87
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	239.32	18.87
06 82 00 00-0104		**12" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	133.04	18.87
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	156.91	18.87
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	180.79	18.87
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	204.66	18.87
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	147.36	18.87
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	174.81	18.87
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	202.27	18.87
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	229.72	18.87
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	169.32	18.87
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	202.27	18.87
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	235.21	18.87
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	268.16	18.87
06 82 00 00-0117		**Other Fiberglass** *(06 82)*		
06 82 00 00-0118		**Fiberglass Splash Blocks** *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.67	3.84

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001		**Fiberglass Reinforced Polyester (FRP) Panels** *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.99	1.92

END OF SECTION 06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	87.93	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	153.83	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	25.82	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	22.95	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	20.80	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	19.35	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	28.66	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	25.79	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	23.64	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	22.19	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	22.98	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	20.40	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	18.53	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	17.36	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	9.03	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	16 SF Granule Emergency Roof Patch Cover	101.44	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	892.46	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.86	2.53

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.23
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.05*

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	42.76	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	63.66	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.91	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	6.13	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	7.01	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0005			Metal Roofing Repair *(07 01 70)*		
07 01 70 00-0006		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	28.66	
07 01 70 00-0007		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	25.79	
07 01 70 00-0008		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	23.64	
07 01 70 00-0009		SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	22.19	
07 01 70 00-0010			Removal And Reinstallation Of Metal Coping *(07 01 70)*		
07 01 70 00-0011		LF	Removal And Reinstallation Of Metal Coping	10.70	
			For Up To 25 LF, Add	*5.35*	
			For >25 To 100 LF, Add	*2.68*	
			For >1,000 LF, Deduct	*-1.07*	

07 05 Common Work Results for Thermal and Moisture Protection

(07)

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001			Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*		
			Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.		
07 05 13 00-0002		EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,787.79	
07 05 13 00-0003		EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,337.63	
07 05 13 00-0004		EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	893.89	
07 05 13 00-0005		EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	445.88	

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001			Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*		
07 11 13 00-0002		CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	215.74	
07 11 13 00-0003		CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	334.74	
07 11 13 00-0004			Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*		
07 11 13 00-0005		CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	368.67	
07 11 13 00-0006		CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	568.45	
07 11 13 00-0007			Asphaltic Paint Dampproofing *(07 11 13)*		
07 11 13 00-0008		CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	174.38	
07 11 13 00-0009		CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	321.98	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001			Neoprene *(07 11 19)*		
07 11 19 00-0002		SF	5 To 20 SF, 1/16" Patch Neoprene Roof	47.21	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001			15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*		
07 13 13 00-0002		CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	404.84	143.13
			For 30 Lb. Felt, Add	*88.94*	
			For Application To Horizontal Surfaces, Deduct	*-42.94*	
07 13 13 00-0003		CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	508.64	161.01
			For 30 Lb. Felt, Add	*139.96*	
			For Application To Horizontal Surfaces, Deduct	*-48.30*	
07 13 13 00-0004		CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	612.45	178.91
			For 30 Lb. Felt, Add	*190.97*	
			For Application To Horizontal Surfaces, Deduct	*-53.67*	
07 13 13 00-0005		CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	716.24	196.80
			For 30 Lb. Felt, Add	*241.99*	
			For Application To Horizontal Surfaces, Deduct	*-59.04*	
07 13 13 00-0006		CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	820.05	214.69
			For 30 Lb. Felt, Add	*293.00*	
			For Application To Horizontal Surfaces, Deduct	*-64.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0007		**Asphalt Coated Protective Board** *(07 13 13)*		
07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	344.90	143.24
		For Application To Horizontal Surfaces, Deduct	*-47.77*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	430.41	148.74
		For Application To Horizontal Surfaces, Deduct	*-49.58*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	533.25	154.99
		For Application To Horizontal Surfaces, Deduct	*-51.65*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	587.79	161.24
		For Application To Horizontal Surfaces, Deduct	*-53.76*	
07 13 53		**Elastomeric Sheet Waterproofing** *(07 13)*		
07 13 53 00-0001		Rubberized Membrane Sheet *(07 13 53)*		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.94	1.49
		For Floor Surfaces, Deduct	*-1.43*	
07 13 53 00-0003		Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	557.52	208.83
		For Application To Horizontal Surfaces, Deduct	*-62.64*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	622.10	208.83
		For Application To Horizontal Surfaces, Deduct	*-62.64*	
07 13 53 00-0006		Butyl Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	115.25	52.21
		For Joint Taping, Add	*17.79*	
		For Each Additional Ply, Add	*85.91*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	135.27	52.21
		For Joint Taping, Add	*18.79*	
		For Each Additional Ply, Add	*99.92*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0009		Butyl With Nylon *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	126.69	52.21
		For Joint Taping, Add	*18.37*	
		For Each Additional Ply, Add	*93.91*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	139.57	52.21
		For Joint Taping, Add	*19.01*	
		For Each Additional Ply, Add	*102.93*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0012		Neoprene Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	192.56	52.21
		For Joint Taping, Add	*21.66*	
		For Each Additional Ply, Add	*140.02*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	277.80	52.21
		For Joint Taping, Add	*25.92*	
		For Each Additional Ply, Add	*199.69*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0015		Neoprene With Nylon *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	201.46	52.21
		For Joint Taping, Add	*22.10*	
		For Each Additional Ply, Add	*146.25*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	292.01	52.21
		For Joint Taping, Add	*26.63*	
		For Each Additional Ply, Add	*209.64*	
		For Application To Horizontal Surfaces, Deduct	*-7.85*	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	46.35	17.46
		For Joint Taping, Add	*11.20*	
		For Each Additional Ply, Add	*36.31*	
		For Application To Horizontal Surfaces, Deduct	*-5.80*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	47.46	17.46
		For Joint Taping, Add	*11.26*	
		For Each Additional Ply, Add	*37.09*	
		For Application To Horizontal Surfaces, Deduct	*-5.80*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	75.76	17.46
		For Joint Taping, Add	*12.68*	
		For Each Additional Ply, Add	*56.90*	
		For Application To Horizontal Surfaces, Deduct	*-5.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar.	218.56	17.46
		For Each Additional Ply, Add	*157.29*	
		For Application To Horizontal Surfaces, Deduct	*-6.44*	
07 13 53 00-0023		**Polyvinyl Chloride (PVC) Vapor Barrier** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	75.77	19.33
		For Joint Taping, Add	*12.68*	
		For Each Additional Ply, Add	*56.90*	
		For Application To Horizontal Surfaces, Deduct	*-5.80*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	104.25	20.04
		For Joint Taping, Add	*14.44*	
		For Each Additional Ply, Add	*76.99*	
		For Application To Horizontal Surfaces, Deduct	*-6.02*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	142.77	20.76
		For Joint Taping, Add	*16.69*	
		For Each Additional Ply, Add	*104.09*	
		For Application To Horizontal Surfaces, Deduct	*-6.23*	
07 13 53 00-0027		**Vinyl Plastic Vapor Barrier** *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	55.09	17.90

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001		**Hot Applied Rubberized Asphalt Waterproofing Coating** *(07 14 13)*		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.90	
		For Application To Horizontal Surfaces, Deduct	*-0.27*	
		For Reinforcing Fabric, Add	*0.64*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	3.37	
		For Application To Horizontal Surfaces, Deduct	*-0.29*	
		For Reinforcing Fabric, Add	*0.64*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001		**Fluid Applied Rubber Based Polyurethane** *(07 14 16)*		
07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.10	
		For Application To Horizontal Surfaces, Deduct	*-0.63*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.76	
		For Application To Horizontal Surfaces, Deduct	*-0.66*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	6.49	
		For Application To Horizontal Surfaces, Deduct	*-0.70*	
07 14 16 00-0005		**One Part Solution Of Chlorosulfonated Polyethylene (CSPE) Polymer** *(07 14 16)*		
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.79	
07 14 16 00-0007		**Copolymer Compound** *(07 14 16)*		
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	5.88	
07 14 16 00-0009		**Fluid Applied Neoprene** *(07 14 16)*		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	677.05	
		For Application To Horizontal Surfaces, Deduct	*-76.07*	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,284.89	
		For Application To Horizontal Surfaces, Deduct	*-149.24*	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	2,071.56	
		For Application To Horizontal Surfaces, Deduct	*-223.74*	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.21	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.34	

07 16 19 Metal Oxide Waterproofing *(07 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 19 00-0001		**Metallic Oxide Waterproofing** *(07 16 19)* Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self-leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	565.72	
		For Application To Horizontal Surfaces, Deduct	*-71.62*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	518.65	170.90
		For Application To Horizontal Surfaces, Deduct	*-51.29*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	493.53	180.58
		For Application To Horizontal Surfaces, Deduct	*-55.50*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	634.66	188.30
		For Application To Horizontal Surfaces, Deduct	*-56.48*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	515.12	156.63
		For Application To Horizontal Surfaces, Deduct	*-46.97*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001		**Pedestrian Traffic Coating** *(07 18 13)* Note: Gaco Western	
07 18 13 00-0002	SF	GACOCRETE A-17, Acrylic Elastomeric Coating	3.69
07 18 13 00-0003	SF	Silicone Enhanced A-30, Acrylic Elastomeric Coating	3.21
		For >2,000, Deduct	*-0.34*
07 18 13 00-0004	SF	Quick Set A-31, Acrylic Elastomeric Coating	3.02
07 18 13 00-0005	SF	A-32, Acrylic Elastomeric Coating	3.33
		For >2,000, Deduct	*-0.38*
07 18 13 00-0006	SF	Liquid Seam Tape A-3611, Acrylic Elastomeric Coating	3.45
		For >2,000, Deduct	*-0.42*
07 18 13 00-0007	SF	A-38, Acrylic Elastomeric Coating	3.41
07 18 13 00-0008	SF	Acrylic Primer A-4121	2.47
07 18 13 00-0009	SF	Two Component Epoxy Emulsion Primer Filler E-5320	3.97
07 18 13 00-0010	SF	Two Component Epoxy Rust Inhibiting Primer E-5388	4.52
07 18 13 00-0011	SF	Two Component 100% Solids Primer E-5481	4.87
07 18 13 00-0012	SF	Hypalon Roof Coating H-25	4.37
07 18 13 00-0013	SF	Neoprene Adhesive N-1207	3.50
07 18 13 00-0014	SF	GACOSIL S-10 Silicone	3.81
		For >2,000, Deduct	*-0.55*
07 18 13 00-0015	SF	GACOSIL S-20 Silicone	3.91
		For >2,000, Deduct	*-0.58*
07 18 13 00-0016	SF	Urethane Primer/Sealer U-5677	2.64
07 18 13 00-0017	SF	Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	3.57
		For >2,000, Deduct	*-0.46*
07 18 13 00-0018	SF	Two Component Polyurethane Coating U-62	5.32
		For >2,000, Deduct	*-0.81*
07 18 13 00-0019	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.74
07 18 13 00-0020	SF	Two Component Polyurethane Coating U-66	5.26
07 18 13 00-0021	SF	Two Component Polyurethane Coating U-8730	4.94
07 18 13 00-0022	SF	Two Component Polyurethane Coating U-8782	4.87
07 18 13 00-0023	SF	Two Component Polyurethane Aliphatic Coating UA-60	5.90
07 18 13 00-0024	SF	Two Component Polyurethane Aliphatic Coating UA-7090	7.18
07 18 13 00-0025	SF	Two Component Polyurethane Base Coating UB-64	4.68
07 18 13 00-0026	SF	Two Component Polyurethane Base Coating UB-8380	4.61
07 18 13 00-0027	SF	Etching Detergent D-09	2.67
07 18 13 00-0028	LB	GacoShell Granules Additive To Coating	2.48
07 18 13 00-0029	LB	Quartz Granules Additive To Coating	2.24
07 18 13 00-0030	LF	4" Polyester Reinforcing Tape, 66-B	0.25
07 18 13 00-0031	LF	6" Polyester Reinforcing Tape, 66-B	0.31
07 18 13 00-0032	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.39
07 18 13 00-0033	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.53
07 18 13 00-0034	LF	2" Metal Roof Seam Sealing Tape, 66-MR	1.06
07 18 13 00-0035	LF	3" Metal Roof Seam Sealing Tape, 66-MR	1.64
07 18 13 00-0036	LF	4" Metal Roof Seam Sealing Tape, 66-MR	2.03
07 18 13 00-0037	LF	6" Metal Roof Seam Sealing Tape, 66-MR	2.89
07 18 13 00-0038	GAL	Polyurethane Coating Thinner T-5106	57.78
07 18 13 00-0039	GAL	Compliant Thinner T-5110	120.38
07 18 13 00-0040	GAL	Regular Thinner T-5112	33.70
07 18 13 00-0041	GAL	Polyurethane Coating Thinner T-5116	43.34
07 18 13 00-0042	GAL	Polyurethane Troweling Thinner T-5118	52.96
07 18 13 00-0043	GAL	Compliant Thinner T-5125	57.78
07 18 13 00-0044	GAL	Fast Polyurethane Coating Thinner T-5130	43.34
07 18 13 00-0045	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	43.34

07 18 16 Vehicular Traffic Coatings *(07 18)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 16 00-0001		**Preparation For Vehicular Traffic Coating** *(07 18 16)* See CSI section 03 01 30 71-0027 for crack repairs, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.29	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.77	
07 18 16 00-0004		**Vehicular Traffic Coating (Sika)** *(07 18 16)* Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0027 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720) Note: Excludes crack repair or caulking.	4.24	
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.61	
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.77	
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.94	
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	3.08	
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.95	
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	3.20	
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	3.46	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	3.22	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.83	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	4.22	

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001		**Silane Concrete Sealer** *(07 19 16)*		
07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.83	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.22	
07 19 16 00-0004		**Silane/Siloxane Concrete Sealer** *(07 19 16)*		
07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.40	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	2.05	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.54	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.79	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001		**Cold Adhesive Applied Foam Board Insulation** *(07 21 13 13)*		
07 21 13 13-0002		**Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation** *(07 21 13 13-0001)*		
07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.45	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.18	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.35	0.50
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.66	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0007		**Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.04	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.11	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.38	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.67	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.79	0.50
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.92	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	6.04	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.16	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.29	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0017		**Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
		Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.31	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.57*	
		For 60 PSI Compressive Strength, Add	*0.91*	
		For 115 PSI Compressive Strength, Add	*3.91*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.70	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.71*	
		For 60 PSI Compressive Strength, Add	*1.13*	
		For 115 PSI Compressive Strength, Add	*4.91*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.01	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.83*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.71*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.07	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.34*	
		For 115 PSI Compressive Strength, Add	*5.84*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.60	0.50
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.22*	
		For 115 PSI Compressive Strength, Add	*9.72*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.13	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.09*	
		For 115 PSI Compressive Strength, Add	*13.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.91	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.54*	
		For 115 PSI Compressive Strength, Add	*15.56*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.44	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.27	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.44	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.86	0.52
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	

07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.03	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.09	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.37	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.65	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.89	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.12	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.41	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.75	0.54
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Gypsum, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*9.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	9.13	0.55
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.01*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.30	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.50*	
		For 60 PSI Compressive Strength, Add	*0.81*	
		For 115 PSI Compressive Strength, Add	*3.49*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.68	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.65*	
		For 60 PSI Compressive Strength, Add	*1.04*	
		For 115 PSI Compressive Strength, Add	*4.47*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.99	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.26*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.06	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.25*	
		For 115 PSI Compressive Strength, Add	*5.42*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.69	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.18*	
		For 115 PSI Compressive Strength, Add	*9.53*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.34	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.12*	
		For 115 PSI Compressive Strength, Add	*13.70*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.28	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.66*	
		For 115 PSI Compressive Strength, Add	*16.09*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.90	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.24	0.75
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.56	0.87
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.11	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.11	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.53	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.68	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.83	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.72	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.16	0.75
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.59	0.87
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.10	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	6.19	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.62	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.89	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	10.04	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.22	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.63	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.03	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.78	0.68
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.51	0.75
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.98	0.87
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.04	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.45	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.86	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.70	0.68
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.43	0.75
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	6.00	0.87
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.78	0.54
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.92	0.54
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.97	0.54
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.64	0.54
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.23	0.54
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	3.11	0.69
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.52	0.69
		For >1,600, Deduct	*-0.47*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.69	0.54
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.85	0.54
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.34	0.54
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.53	0.54
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.63	0.54
		For >1,600, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.92	0.69
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.40	0.69
		For >1,600, Deduct	*-0.45*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	2.04	0.54
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.28	0.54
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.56	0.54
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.64	0.69
		For >1,600, Deduct	*-0.51*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.97	0.69
		For >1,600, Deduct	*-0.56*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.83	0.54
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.97	0.54
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.72	0.54
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.25	0.54
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	3.03	0.69
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.40	0.69
		For >1,600, Deduct	*-0.45*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.99	0.54
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.66	0.54
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	4.18	0.54
		For >1,600, Deduct	*-0.64*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.97	0.54
		For >1,600, Deduct	*-0.76*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.86	0.54
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.44	0.54
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.75	0.54
		For >1,600, Deduct	*-0.55*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.45	0.54
		For >1,600, Deduct	*-0.66*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.74	0.54
		For >1,600, Deduct	*-0.39*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	3.07	0.54
		For >1,600, Deduct	*-0.45*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.43	0.54
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.57	0.54
		For >1,600, Deduct	*-0.73*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		**Polyurethane Foam Insulation, Sprayed On** *(07 21 19)*		
07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,665.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.68	
		For Up To 250 SF, Add	*0.65*	
		For >250 To 500 SF, Add	*0.32*	
		For >500 To 1,000 SF, Add	*0.14*	
		For >5,000 To 10,000 SF, Deduct	*-0.20*	
		For >10,000 SF, Deduct	*-0.51*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.26	
		For Up To 250 SF, Add	*0.84*	
		For >250 To 500 SF, Add	*0.42*	
		For >500 To 1,000 SF, Add	*0.18*	
		For >5,000 To 10,000 SF, Deduct	*-0.27*	
		For >10,000 SF, Deduct	*-0.66*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.84	
		For Up To 250 SF, Add	*1.03*	
		For >250 To 500 SF, Add	*0.51*	
		For >500 To 1,000 SF, Add	*0.22*	
		For >5,000 To 10,000 SF, Deduct	*-0.33*	
		For >10,000 SF, Deduct	*-0.81*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.43	
		For Up To 250 SF, Add	*1.22*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.39*	
		For >10,000 SF, Deduct	*-0.96*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.00	
		For Up To 250 SF, Add	*1.41*	
		For >250 To 500 SF, Add	*0.71*	
		For >500 To 1,000 SF, Add	*0.30*	
		For >5,000 To 10,000 SF, Deduct	*-0.45*	
		For >10,000 SF, Deduct	*-1.11*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.60	
		For Up To 250 SF, Add	*1.61*	
		For >250 To 500 SF, Add	*0.81*	
		For >500 To 1,000 SF, Add	*0.35*	
		For >5,000 To 10,000 SF, Deduct	*-0.52*	
		For >10,000 SF, Deduct	*-1.27*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.18	
		For Up To 250 SF, Add	*1.80*	
		For >250 To 500 SF, Add	*0.90*	
		For >500 To 1,000 SF, Add	*0.39*	
		For >5,000 To 10,000 SF, Deduct	*-0.58*	
		For >10,000 SF, Deduct	*-1.42*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.75	
		For Up To 250 SF, Add	*1.99*	
		For >250 To 500 SF, Add	*1.00*	
		For >500 To 1,000 SF, Add	*0.43*	
		For >5,000 To 10,000 SF, Deduct	*-0.64*	
		For >10,000 SF, Deduct	*-1.57*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.34	
		For Up To 250 SF, Add	*2.19*	
		For >250 To 500 SF, Add	*1.09*	
		For >500 To 1,000 SF, Add	*0.47*	
		For >5,000 To 10,000 SF, Deduct	*-0.71*	
		For >10,000 SF, Deduct	*-1.72*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.92	
		For Up To 250 SF, Add	*2.38*	
		For >250 To 500 SF, Add	*1.19*	
		For >500 To 1,000 SF, Add	*0.51*	
		For >5,000 To 10,000 SF, Deduct	*-0.77*	
		For >10,000 SF, Deduct	*-1.87*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.50	
		For Up To 250 SF, Add	*2.57*	
		For >250 To 500 SF, Add	*1.29*	
		For >500 To 1,000 SF, Add	*0.55*	
		For >5,000 To 10,000 SF, Deduct	*-0.83*	
		For >10,000 SF, Deduct	*-2.02*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.22	
		For Up To 250 SF, Add	*1.22*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.38*	
		For >10,000 SF, Deduct	*-0.96*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.27	
		For Up To 250 SF, Add	*1.55*	
		For >250 To 500 SF, Add	*0.77*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.49*	
		For >10,000 SF, Deduct	*-1.22*	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.18	
		For Up To 250 SF, Add	*1.80*	
		For >250 To 500 SF, Add	*0.90*	
		For >500 To 1,000 SF, Add	*0.39*	
		For >5,000 To 10,000 SF, Deduct	*-0.58*	
		For >10,000 SF, Deduct	*-1.42*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0017		SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.21	
			For Up To 250 SF, Add	*2.12*	
			For >250 To 500 SF, Add	*1.06*	
			For >500 To 1,000 SF, Add	*0.46*	
			For >5,000 To 10,000 SF, Deduct	*-0.69*	
			For >10,000 SF, Deduct	*-1.67*	
07 21 19 00-0018		SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.11	
			For Up To 250 SF, Add	*2.38*	
			For >250 To 500 SF, Add	*1.19*	
			For >500 To 1,000 SF, Add	*0.52*	
			For >5,000 To 10,000 SF, Deduct	*-0.77*	
			For >10,000 SF, Deduct	*-1.86*	
07 21 19 00-0019		SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.16	
			For Up To 250 SF, Add	*2.71*	
			For >250 To 500 SF, Add	*1.35*	
			For >500 To 1,000 SF, Add	*0.59*	
			For >5,000 To 10,000 SF, Deduct	*-0.88*	
			For >10,000 SF, Deduct	*-2.12*	
07 21 19 00-0020		SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.07	
			For Up To 250 SF, Add	*2.97*	
			For >250 To 500 SF, Add	*1.48*	
			For >500 To 1,000 SF, Add	*0.65*	
			For >5,000 To 10,000 SF, Deduct	*-0.97*	
			For >10,000 SF, Deduct	*-2.32*	
07 21 19 00-0021		SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.11	
			For Up To 250 SF, Add	*3.29*	
			For >250 To 500 SF, Add	*1.64*	
			For >500 To 1,000 SF, Add	*0.72*	
			For >5,000 To 10,000 SF, Deduct	*-1.07*	
			For >10,000 SF, Deduct	*-2.57*	
07 21 19 00-0022		SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.01	
			For Up To 250 SF, Add	*3.54*	
			For >250 To 500 SF, Add	*1.77*	
			For >500 To 1,000 SF, Add	*0.77*	
			For >5,000 To 10,000 SF, Deduct	*-1.16*	
			For >10,000 SF, Deduct	*-2.77*	
07 21 19 00-0023		SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.05	
			For Up To 250 SF, Add	*3.87*	
			For >250 To 500 SF, Add	*1.93*	
			For >500 To 1,000 SF, Add	*0.85*	
			For >5,000 To 10,000 SF, Deduct	*-1.27*	
			For >10,000 SF, Deduct	*-3.02*	
07 21 19 00-0024		SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.97	
			For Up To 250 SF, Add	*4.13*	
			For >250 To 500 SF, Add	*2.07*	
			For >500 To 1,000 SF, Add	*0.90*	
			For >5,000 To 10,000 SF, Deduct	*-1.36*	
			For >10,000 SF, Deduct	*-3.23*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026		LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.95	
07 21 19 00-0027		LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.42	
07 21 19 00-0028		LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.91	
07 21 19 00-0029		LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	10.45	
07 21 19 00-0030		LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	12.09	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032		LF	Expanding Foam Insulation To Fill Window Frame	5.83	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002		CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	8.09	3.15
07 21 23 00-0003		CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.49	3.15

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005		CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	11.49	3.15
07 21 23 00-0006		CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	11.38	3.15

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0003		SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.71	1.38
07 21 26 00-0004		SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.90	1.51
07 21 26 00-0005		SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	2.12	1.65
07 21 26 00-0006		SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.37	1.79
07 21 26 00-0007		SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.52	1.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.72	1.93
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.92	2.00
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	3.07	2.07
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.29	2.20
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.47	2.27
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.73	2.34
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	4.05	2.48
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.69	2.75
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.53	1.38
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.36	1.65
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.99	1.79
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.74	1.93
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.39	1.38
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.22	1.65
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.85	1.79
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.61	1.93
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.78	1.38
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.12	1.51
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.37	1.65
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.75	1.79
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.81	1.79
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.26	1.93
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.35	1.93
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.66	2.07
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.89	2.07
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.19	2.20
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.41	2.20
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.37	1.38
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.13	1.65
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.67	1.79
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.33	1.93
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.23	1.38
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.99	1.65
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.53	1.79
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.19	1.93
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)* Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.89	0.80
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.10	0.80
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	4.18	0.80
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.31	

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0001		**Rigid Board Roofing Insulation** *(07 22 16)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002		**Cold Adhesive Applied Rigid Board Roofing Insulation** *(07 22 16 00-0001)*		
07 22 16 00-0003		**Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.90	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.35	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.79	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.60	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.41	
07 22 16 00-0009		**Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.17	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.66	
07 22 16 00-0012		**Cold Adhesive Applied, Perlite, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.80	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.80	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.06	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.37	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.13	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.61	
07 22 16 00-0019		**Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.78	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.99	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.41	
07 22 16 00-0023		**Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.79	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.97	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.29	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.62	
07 22 16 00-0028		**Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.58	
		For Loose-Laid, Deduct	*-1.40*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.65	
		For Loose-Laid, Deduct	*-1.40*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.93	
		For Loose-Laid, Deduct	*-1.41*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.21	
		For Loose-Laid, Deduct	*-1.41*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.35	
		For Loose-Laid, Deduct	*-1.43*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.49	
		For Loose-Laid, Deduct	*-1.44*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.63	
		For Loose-Laid, Deduct	*-1.46*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.76	
		For Loose-Laid, Deduct	*-1.48*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.90	
		For Loose-Laid, Deduct	*-1.49*	
07 22 16 00-0038		**Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)* Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.61	
		For Loose-Laid, Deduct	*-1.43*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.83*	
		For 60 PSI Compressive Strength, Add	*1.34*	
		For 115 PSI Compressive Strength, Add	*5.77*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.67	
		For Loose-Laid, Deduct	*-1.44*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.37*	
		For 115 PSI Compressive Strength, Add	*5.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.65	
		For Loose-Laid, Deduct	*-1.44*	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.22*	
		For 60 PSI Compressive Strength, Add	*1.94*	
		For 100 PSI Compressive Strength, Add	*2.49*	
		For 115 PSI Compressive Strength, Add	*8.42*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.22	
		For Loose-Laid, Deduct	*-1.46*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.25*	
		For 115 PSI Compressive Strength, Add	*9.78*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.34	
		For Loose-Laid, Deduct	*-1.46*	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.90*	
		For 100 PSI Compressive Strength, Add	*3.73*	
		For 115 PSI Compressive Strength, Add	*12.66*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.76	
		For Loose-Laid, Deduct	*-1.47*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.13*	
		For 115 PSI Compressive Strength, Add	*13.67*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.56	
		For Loose-Laid, Deduct	*-1.49*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.57*	
		For 115 PSI Compressive Strength, Add	*15.63*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.26	
		For Loose-Laid, Deduct	*-1.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.38	
		For Loose-Laid, Deduct	*-1.44*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.56	
		For Loose-Laid, Deduct	*-1.45*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.04	
		For Loose-Laid, Deduct	*-1.46*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.51	
		For Loose-Laid, Deduct	*-1.46*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.99	
		For Loose-Laid, Deduct	*-1.47*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.51	
		For Loose-Laid, Deduct	*-1.48*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.97	
		For Loose-Laid, Deduct	*-1.49*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.78	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.53	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.73	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.87	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.93	

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0002)

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.47	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.77	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.83	
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.98	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.27	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.66	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.91	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.49	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.73	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.14	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.03	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.54	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.15	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.55	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.06	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.60	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.61	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.66	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.11	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.56	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.39	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	5.22	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.94	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.42	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.54	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.80	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	3.11	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.86	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.35	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.52	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.73	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	6.16	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.53	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.70	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	10.03	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	13.37	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.31	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.37	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.53	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.93	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.08	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.23	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.37	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.52	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.65	

07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*

Note: 15 PSI compressive strength.

07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.35	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.12*	
		For 115 PSI Compressive Strength, Add	*4.76*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.41	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.15*	
		For 115 PSI Compressive Strength, Add	*4.89*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.39	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For 40 PSI Compressive Strength, Add	*1.07*	
		For 60 PSI Compressive Strength, Add	*1.71*	
		For 100 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*7.40*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	5.12	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For 40 PSI Compressive Strength, Add	*1.27*	
		For 60 PSI Compressive Strength, Add	*2.03*	
		For 115 PSI Compressive Strength, Add	*8.79*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	20.51	
		For 25 PSI Compressive Strength, Add	*0.72*	
		For 40 PSI Compressive Strength, Add	*1.70*	
		For 60 PSI Compressive Strength, Add	*3.39*	
		For 100 PSI Compressive Strength, Add	*4.15*	
		For 115 PSI Compressive Strength, Add	*13.09*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.51	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.90*	
		For 115 PSI Compressive Strength, Add	*12.66*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.31	
		For 25 PSI Compressive Strength, Add	*0.90*	
		For 40 PSI Compressive Strength, Add	*2.14*	
		For 60 PSI Compressive Strength, Add	*3.34*	
		For 115 PSI Compressive Strength, Add	*14.61*	

07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*

07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.00	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.12	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.30	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.78	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.27	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.74	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.11	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.72	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.29	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.49	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.62	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.69	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.22	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.52	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.59	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.72	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.17	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.37*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.62	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.52	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	5.33	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0150		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.99	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.48	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0153		Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.62	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.88	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	3.19	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	4.05	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.54	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0159		Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.60	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.91	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.44	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0163		Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.72	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.89	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	10.32	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.82	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.69*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.41	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.47	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.76	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.03	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.28	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.51	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.83	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	8.17	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.08*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.83	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.52*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.43	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.24*	
		For 115 PSI Compressive Strength, Add	*5.31*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.50	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.27*	
		For 115 PSI Compressive Strength, Add	*5.46*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.58	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.20*	
		For 60 PSI Compressive Strength, Add	*1.90*	
		For 100 PSI Compressive Strength, Add	*2.43*	
		For 115 PSI Compressive Strength, Add	*8.24*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.14	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.20*	
		For 115 PSI Compressive Strength, Add	*9.58*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.37	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.86*	
		For 60 PSI Compressive Strength, Add	*2.92*	
		For 100 PSI Compressive Strength, Add	*3.75*	
		For 115 PSI Compressive Strength, Add	*12.74*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.79	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.14*	
		For 115 PSI Compressive Strength, Add	*13.75*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.76	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.68*	
		For 115 PSI Compressive Strength, Add	*16.14*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0186		**Mechanically Fastened, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.09	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.20	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.28*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.49	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.97	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.54	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.02	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.71	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.69*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	6.17	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.61	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.36	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.56	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.69	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.76	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.29	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.59	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.66	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.90	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.19	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Gypsum, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.69	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.94	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.59*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.69	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.93	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	8.55	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.38*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.06	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.57	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.42*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.01*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.03*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened		7.35	
		For Mechanically Fastened To Concrete, Add		*2.17*	
		For Mechanically Fastened To Gypsum, Add		*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*4.18*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*5.91*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened		7.75	
		For Mechanically Fastened To Concrete, Add		*2.17*	
		For Mechanically Fastened To Gypsum, Add		*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.11*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*4.66*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*5.32*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened		8.47	
		For Mechanically Fastened To Concrete, Add		*2.23*	
		For Mechanically Fastened To Gypsum, Add		*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*4.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*5.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*6.32*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened		9.01	
		For Mechanically Fastened To Concrete, Add		*2.23*	
		For Mechanically Fastened To Gypsum, Add		*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*4.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*5.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*6.32*	
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened		10.27	
		For Mechanically Fastened To Concrete, Add		*2.29*	
		For Mechanically Fastened To Gypsum, Add		*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		*3.68*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add		*4.81*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		*5.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add		*6.81*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		5.86	
		For 25 PSI Compressive Strength, Add		*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		8.07	
		For 25 PSI Compressive Strength, Add		*0.43*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		8.73	
		For 25 PSI Compressive Strength, Add		*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		9.40	
		For 25 PSI Compressive Strength, Add		*0.56*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		10.07	
		For 25 PSI Compressive Strength, Add		*0.63*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		12.30	
		For 25 PSI Compressive Strength, Add		*0.68*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied		12.97	
		For 25 PSI Compressive Strength, Add		*0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.63	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.30	
		For 25 PSI Compressive Strength, Add	*0.88*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.52	
		For 25 PSI Compressive Strength, Add	*0.93*	
07 22 16 00-0236		**Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0224)*		
07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.52	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.40	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.73	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.63	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.97	
		For 25 PSI Compressive Strength, Add	*0.85*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.85	
		For 25 PSI Compressive Strength, Add	*0.97*	
07 22 16 00-0243		**Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0224)*		
07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.07	
		For 25 PSI Compressive Strength, Add	*0.53*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.30	
		For 25 PSI Compressive Strength, Add	*0.78*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	17.52	
		For 25 PSI Compressive Strength, Add	*1.03*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	21.75	
		For 25 PSI Compressive Strength, Add	*1.29*	
07 22 16 00-0248		**Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0249		**Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0248)*		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.11	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.36	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.86	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.36	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.86	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.12	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.63	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.13	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.63	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.89	
07 22 16 00-0260		**Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)** *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.86	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.61	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.61	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0264		SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.37	
07 22 16 00-0265		SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.38	
07 22 16 00-0266		SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	15.14	
07 22 16 00-0267			Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268		SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.11	
07 22 16 00-0269		SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.88	
07 22 16 00-0270		SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	15.64	
07 22 16 00-0271		SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	19.91	
07 22 16 00-0272			Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0273			Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274		SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.71	
07 22 16 00-0275		SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.92	
07 22 16 00-0276		SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.56	
07 22 16 00-0277		SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.19	
07 22 16 00-0278		SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.83	
07 22 16 00-0279		SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.06	
07 22 16 00-0280		SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.70	
07 22 16 00-0281		SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.33	
07 22 16 00-0282		SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.97	
07 22 16 00-0283		SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.19	
07 22 16 00-0284			Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285		SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.39	
07 22 16 00-0286		SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.24	
07 22 16 00-0287		SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.51	
07 22 16 00-0288		SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.38	
07 22 16 00-0289		SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.65	
07 22 16 00-0290		SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.51	
07 22 16 00-0291			Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292		SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.88	
			For Mechanically Fastened To Concrete, Add	*2.11*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
07 22 16 00-0293		SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.02	
07 22 16 00-0294		SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	17.14	
07 22 16 00-0295		SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	21.28	
07 22 16 00-0296			Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0297			Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298		SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.74	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.15	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.63	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.04	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.52	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.93	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.41	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.82	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.32	

07 22 16 00-0308 Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*

07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.55	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.45	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.33	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.23	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.12	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.02	

07 22 16 00-0315 Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*

07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.85	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.63	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	21.42	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	26.20	

07 22 16 00-0320 Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0321 Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*

07 22 16 00-0322 Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.45	
		For 25 PSI Compressive Strength, Add		*0.33*
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.69	
		For 25 PSI Compressive Strength, Add		*0.35*
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.36	
		For 25 PSI Compressive Strength, Add		*0.42*
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.65	
		For 25 PSI Compressive Strength, Add		*0.48*
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.69	
		For 25 PSI Compressive Strength, Add		*0.55*
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.74	
		For 25 PSI Compressive Strength, Add		*0.57*
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.41	
		For 25 PSI Compressive Strength, Add		*0.64*
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.08	
		For 25 PSI Compressive Strength, Add		*0.70*
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.75	
		For 25 PSI Compressive Strength, Add		*0.77*
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.77	
		For 25 PSI Compressive Strength, Add		*0.79*

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.33	
		For 25 PSI Compressive Strength, Add		*0.30*
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.03	
		For 25 PSI Compressive Strength, Add		*0.38*
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.36	
		For 25 PSI Compressive Strength, Add		*0.52*
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.08	
		For 25 PSI Compressive Strength, Add		*0.60*
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.41	
		For 25 PSI Compressive Strength, Add		*0.74*
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	16.11	
		For 25 PSI Compressive Strength, Add		*0.82*

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.69	
		For 25 PSI Compressive Strength, Add		*0.45*
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.74	
		For 25 PSI Compressive Strength, Add		*0.67*
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	16.77	
		For 25 PSI Compressive Strength, Add		*0.89*
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	20.84	
		For 25 PSI Compressive Strength, Add		*1.11*

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0346		**Hot-Mopped, 1/8" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.38	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.37	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.78	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.57	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.98	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.97	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.38	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.17	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.58	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	18.57	
07 22 16 00-0357		**Hot-Mopped, 1/4" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.68	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.07	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	11.28	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.67	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	15.88	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	19.27	
07 22 16 00-0364		**Hot-Mopped, 1/2" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	11.48	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	16.08	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	91.93	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	25.29	
07 22 16 00-0369		**Mechanically Fastened Tapered Roofing Insulation** *(07 22 16 00-0222)* Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0370		**Mechanically Fastened, Tapered Polyisocyanurate Board** *(07 22 16 00-0369)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		**Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0370)*		
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.78	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.41	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.08	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.92	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.58	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.34	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.01	
		For 25 PSI Compressive Strength, Add	*0.65*	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.92	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.59	
		For 25 PSI Compressive Strength, Add	*0.81*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.52	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.45	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.74	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.25	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.67	
		For 25 PSI Compressive Strength, Add	*0.62*	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.25	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.86	
		For 25 PSI Compressive Strength, Add	*0.87*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.41	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.91	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	16.52	
		For 25 PSI Compressive Strength, Add	*0.93*	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.96	
		For 25 PSI Compressive Strength, Add	*1.21*	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.85*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.27*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.03	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.70	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.20	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.87	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.37	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.17	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.67	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.41	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.91	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.89	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.78	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.95	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.12	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.42	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.66	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	14.14	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.45	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.92	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	14.64	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	19.12	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.85*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.27*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.63	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.27	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.32	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.71	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.34	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.11	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.74	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.62	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.25	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.20	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.31	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.58	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.03	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.42	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.93	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.51	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.22	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.06	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	16.15	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	20.21	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.85*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.27*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.50	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.09	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.49	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.46	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.87	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.57	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.97	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	15.01	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.42	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	18.32	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.79	
		For Mechanically Fastened To Concrete, Add	*2.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.06*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.58*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.79	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.94*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	11.17	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.52*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.43*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.27	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	15.72	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	19.02	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	11.20	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.03*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	15.67	
		For Mechanically Fastened To Concrete, Add	*2.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.58*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	20.43	
		For Mechanically Fastened To Concrete, Add	*2.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	25.41	
		For Mechanically Fastened To Concrete, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.44*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.27*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.79
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.82
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.83
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.86
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.88
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.90
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.92
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.94
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.96
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.98
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		1.01
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		1.03
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		1.05

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			4.60
		For Up To 100, Add		*1.02*	
		For >100 To 500, Add		*0.51*	
		For >5,000, Deduct		*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*1.86*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*2.73*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			5.18
		For Up To 100, Add		*1.04*	
		For >100 To 500, Add		*0.52*	
		For >5,000, Deduct		*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*1.89*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*2.74*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			5.76
		For Up To 100, Add		*1.05*	
		For >100 To 500, Add		*0.53*	
		For >5,000, Deduct		*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*2.08*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*2.90*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			6.33
		For Up To 100, Add		*1.06*	
		For >100 To 500, Add		*0.53*	
		For >5,000, Deduct		*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*2.17*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*3.04*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			6.91
		For Up To 100, Add		*1.08*	
		For >100 To 500, Add		*0.54*	
		For >5,000, Deduct		*-0.22*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*2.17*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*3.04*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied			8.04
		For Up To 100, Add		*1.09*	
		For >100 To 500, Add		*0.54*	
		For >5,000, Deduct		*-0.22*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add		*2.41*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add		*3.24*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat			6.21
		For Up To 100, Add		*2.05*	
		For >100 To 500, Add		*1.02*	
		For >5,000, Deduct		*-0.41*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat			6.84
		For Up To 100, Add		*2.05*	
		For >100 To 500, Add		*1.02*	
		For >5,000, Deduct		*-0.41*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat			8.52
		For Up To 100, Add		*2.05*	
		For >100 To 500, Add		*1.02*	
		For >5,000, Deduct		*-0.41*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat			9.03
		For Up To 100, Add		*2.05*	
		For >100 To 500, Add		*1.02*	
		For >5,000, Deduct		*-0.41*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)			3.03
		For Up To 100, Add		*1.02*	
		For >100 To 500, Add		*0.51*	
		For >5,000, Deduct		*-0.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.49	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	6.00	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.98	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.21	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.31	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.04	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.69	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.04	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.70	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.41	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	6.09	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.90	
		For Up To 100, Add	*2.05*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	

07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.55	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.58	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	

07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.10	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.57	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	

07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.17	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	

07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.57	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.92	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.33	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	6.18	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.92	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.33	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.73	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.67	

07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	8.55	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*2.14*	
		For >5,000, Deduct	*-0.86*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	37.63
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	35.23
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	42.90
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	54.14
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	32.77
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	110.82
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	162.45
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	230.99
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	316.54
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	85.65

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	15.15	4.29
		For Up To 50, Add	*5.64*	
		For >50 To 200, Add	*3.20*	
		For >200 To 500, Add	*1.18*	
		For >2,500, Deduct	*-0.76*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	16.41	4.29
		For Up To 50, Add	*6.16*	
		For >50 To 200, Add	*3.49*	
		For >200 To 500, Add	*1.28*	
		For >2,500, Deduct	*-0.82*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	6.19	2.86
		For Up To 50, Add	*3.01*	
		For >50 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.57*	
		For >2,500, Deduct	*-0.31*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	11.31	4.29
		For Up To 50, Add	*5.39*	
		For >50 To 200, Add	*2.98*	
		For >200 To 500, Add	*1.03*	
		For >2,500, Deduct	*-0.57*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0006		SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.45	2.86
			For Up To 50, Add	*3.20*	
			For >50 To 200, Add	*1.79*	
			For >200 To 500, Add	*0.63*	
			For >2,500, Deduct	*-0.37*	
07 27 23 00-0007		SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.46	2.86
			For Up To 50, Add	*3.63*	
			For >50 To 200, Add	*2.10*	
			For >200 To 500, Add	*0.81*	
			For >2,500, Deduct	*-0.57*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.48	
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.70	
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.77	
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.84	

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	356.42	258.62
		For >35 To 75, Deduct	*-12.12*	
		For >75 To 100, Deduct	*-20.43*	
		For >100 To 200, Deduct	*-31.16*	
		For >200, Deduct	*-47.76*	
		For Steep Roof, Over 7 To 12, Add	*75.26*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	373.84	271.60
		For >35 To 75, Deduct	*-12.69*	
		For >75 To 100, Deduct	*-21.40*	
		For >100 To 200, Deduct	*-32.65*	
		For >200, Deduct	*-50.08*	
		For Steep Roof, Over 7 To 12, Add	*79.01*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	426.56	285.15
		For >35 To 75, Deduct	*-16.72*	
		For >75 To 100, Deduct	*-26.55*	
		For >100 To 200, Deduct	*-39.72*	
		For >200, Deduct	*-59.38*	
		For Steep Roof, Over 7 To 12, Add	*82.98*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	446.08	330.15
		For >35 To 75, Deduct	*-14.60*	
		For >75 To 100, Deduct	*-25.02*	
		For >100 To 200, Deduct	*-38.36*	
		For >200, Deduct	*-59.21*	
		For Steep Roof, Over 7 To 12, Add	*96.03*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	464.89	314.35
		For >35 To 75, Deduct	*-17.90*	
		For >75 To 100, Deduct	*-28.63*	
		For >100 To 200, Deduct	*-42.94*	
		For >200, Deduct	*-64.39*	
		For Steep Roof, Over 7 To 12, Add	*91.47*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	504.89	346.66
		For >35 To 75, Deduct	*-18.97*	
		For >75 To 100, Deduct	*-30.64*	
		For >100 To 200, Deduct	*-46.11*	
		For >200, Deduct	*-69.46*	
		For Steep Roof, Over 7 To 12, Add	*100.86*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	480.12	299.40
		For >35 To 75, Deduct	*-20.80*	
		For >75 To 100, Deduct	*-31.76*	
		For >100 To 200, Deduct	*-46.88*	
		For >200, Deduct	*-68.81*	
		For Steep Roof, Over 7 To 12, Add	*87.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	545.19	364.01
		For >35 To 75, Deduct	*-21.43*	
		For >75 To 100, Deduct	*-33.99*	
		For >100 To 200, Deduct	*-50.84*	
		For >200, Deduct	*-75.95*	
		For Steep Roof, Over 7 To 12, Add	*105.88*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	576.60	364.01
		For >35 To 75, Deduct	*-24.57*	
		For >75 To 100, Deduct	*-37.76*	
		For >100 To 200, Deduct	*-55.86*	
		For >200, Deduct	*-82.23*	
		For Steep Roof, Over 7 To 12, Add	*105.88*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	630.50	401.26
		For >35 To 75, Deduct	*-26.56*	
		For >75 To 100, Deduct	*-41.00*	
		For >100 To 200, Deduct	*-60.75*	
		For >200, Deduct	*-89.61*	
		For Steep Roof, Over 7 To 12, Add	*116.76*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	621.95	382.22
		For >35 To 75, Deduct	*-27.46*	
		For >75 To 100, Deduct	*-41.63*	
		For >100 To 200, Deduct	*-61.30*	
		For >200, Deduct	*-89.65*	
		For Steep Roof, Over 7 To 12, Add	*111.16*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	615.23	364.01
		For >35 To 75, Deduct	*-28.44*	
		For >75 To 100, Deduct	*-42.40*	
		For >100 To 200, Deduct	*-62.04*	
		For >200, Deduct	*-89.96*	
		For Steep Roof, Over 7 To 12, Add	*105.88*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	715.07	401.26
		For >35 To 75, Deduct	*-35.02*	
		For >75 To 100, Deduct	*-51.15*	
		For >100 To 200, Deduct	*-74.28*	
		For >200, Deduct	*-106.53*	
		For Steep Roof, Over 7 To 12, Add	*116.76*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	737.10	401.26
		For >35 To 75, Deduct	*-37.22*	
		For >75 To 100, Deduct	*-53.79*	
		For >100 To 200, Deduct	*-77.80*	
		For >200, Deduct	*-110.93*	
		For Steep Roof, Over 7 To 12, Add	*116.76*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	818.18	442.46
		For >35 To 75, Deduct	*-41.59*	
		For >75 To 100, Deduct	*-59.97*	
		For >100 To 200, Deduct	*-86.66*	
		For >200, Deduct	*-123.41*	
		For Steep Roof, Over 7 To 12, Add	*128.72*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	802.80	421.30
		For >35 To 75, Deduct	*-41.97*	
		For >75 To 100, Deduct	*-59.95*	
		For >100 To 200, Deduct	*-86.31*	
		For >200, Deduct	*-122.25*	
		For Steep Roof, Over 7 To 12, Add	*122.58*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.95	1.55
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	5.12	3.85
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	6.11	4.28
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	119.92	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	781.80	247.96
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	1,002.03	271.01
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	13.32	3.57
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	13.79	3.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	9.84	3.57
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	10.77	3.57

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	681.49	216.84
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.91*	
		For >75 To 100, Deduct	*-28.19*	
		For >100 To 200, Deduct	*-48.94*	
		For >200, Deduct	*-67.21*	
		For Steep Roof, Over 7 To 12, Add	*138.80*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	657.39	215.11
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.09*	
		For >75 To 100, Deduct	*-26.66*	
		For >100 To 200, Deduct	*-46.51*	
		For >200, Deduct	*-64.08*	
		For Steep Roof, Over 7 To 12, Add	*137.62*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	1,042.67	216.84
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-24.36*	
		For >75 To 100, Deduct	*-53.47*	
		For >100 To 200, Deduct	*-88.67*	
		For >200, Deduct	*-117.78*	
		For Steep Roof, Over 7 To 12, Add	*138.80*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	963.91	215.11
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-21.35*	
		For >75 To 100, Deduct	*-48.12*	
		For >100 To 200, Deduct	*-80.23*	
		For >200, Deduct	*-106.99*	
		For Steep Roof, Over 7 To 12, Add	*137.62*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	10.90	2.89
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.21*	
		For >75 To 100, Deduct	*-0.51*	
		For >100 To 200, Deduct	*-0.86*	
		For >200, Deduct	*-1.16*	
		For Steep Roof, Over 7 To 12, Add	*1.81*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,330.26	369.92
		For >50 To 75, Deduct	*-20.33*	
		For >75 To 100, Deduct	*-56.13*	
		For >100 To 200, Deduct	*-97.01*	
		For >200, Deduct	*-132.81*	
		For Graduated Shapes, Add	*76.24*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,465.51	369.92
		For >50 To 75, Deduct	*-25.74*	
		For >75 To 100, Deduct	*-65.60*	
		For >100 To 200, Deduct	*-111.89*	
		For >200, Deduct	*-151.74*	
		For Graduated Shapes, Add	*96.53*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,424.94	369.92
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-62.76*	
		For >100 To 200, Deduct	*-107.43*	
		For >200, Deduct	*-146.06*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,438.46	369.92
		For >50 To 75, Deduct	*-24.66*	
		For >75 To 100, Deduct	*-63.70*	
		For >100 To 200, Deduct	*-108.91*	
		For >200, Deduct	*-147.96*	
		For Graduated Shapes, Add	*92.47*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,492.57	369.92
		For >50 To 75, Deduct	*-26.82*	
		For >75 To 100, Deduct	*-67.49*	
		For >100 To 200, Deduct	*-114.86*	
		For >200, Deduct	*-155.53*	
		For Graduated Shapes, Add	*100.59*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,424.94	369.92
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-62.76*	
		For >100 To 200, Deduct	*-107.43*	
		For >200, Deduct	*-146.06*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,384.36	369.92
		For >50 To 75, Deduct	*-22.50*	
		For >75 To 100, Deduct	*-59.92*	
		For >100 To 200, Deduct	*-102.96*	
		For >200, Deduct	*-140.38*	
		For Graduated Shapes, Add	*84.36*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,229.52	369.92
		For >50 To 75, Deduct	*-56.30*	
		For >75 To 100, Deduct	*-119.08*	
		For >100 To 200, Deduct	*-195.93*	
		For >200, Deduct	*-258.70*	
		For Graduated Shapes, Add	*211.13*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,424.94	369.92
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-62.76*	
		For >100 To 200, Deduct	*-107.43*	
		For >200, Deduct	*-146.06*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*263.03*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,079.20	286.30
		For Steep Roof, Over 7 To 12, Add	*183.23*	
		For Pressure-Impregnated Treated (Preservative), Add	*75.99*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	784.08	214.72
		For Steep Roof, Over 7 To 12, Add	*137.42*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.19*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	955.29	243.35
		For Steep Roof, Over 7 To 12, Add	*155.74*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.29*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	782.71	200.41
		For Steep Roof, Over 7 To 12, Add	*128.26*	
		For Pressure-Impregnated Treated (Preservative), Add	*57.29*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,017.70	189.68
		For Steep Roof, Over 7 To 12, Add	*121.39*	
		For Pressure-Impregnated Treated (Preservative), Add	*95.75*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	791.29	161.04
		For Steep Roof, Over 7 To 12, Add	*103.07*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.38*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	768.63	257.67
		For Pressure-Impregnated Treated (Preservative), Add	*38.00*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	750.08	243.35
		For Pressure-Impregnated Treated (Preservative), Add	*39.51*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	757.43	211.15
		For Pressure-Impregnated Treated (Preservative), Add	*50.27*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	1,010.40	300.62
		For Steep Roof, Over 7 To 12, Add	*192.39*	
		For Pressure-Impregnated Treated (Preservative), Add	*61.38*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	902.01	271.98
		For Steep Roof, Over 7 To 12, Add	*174.07*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.71*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	957.86	271.98
		For Steep Roof, Over 7 To 12, Add	*174.07*	
		For Pressure-Impregnated Treated (Preservative), Add	*62.08*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	854.88	243.35
		For Steep Roof, Over 7 To 12, Add	*155.74*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.23*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	824.71	189.68
		For Steep Roof, Over 7 To 12, Add	*121.39*	
		For Pressure-Impregnated Treated (Preservative), Add	*66.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	676.14	164.62
		For Steep Roof, Over 7 To 12, Add	*105.36*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.04*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	748.56	271.98
		For Pressure-Impregnated Treated (Preservative), Add	*30.69*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	722.27	257.67
		For Pressure-Impregnated Treated (Preservative), Add	*31.04*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	691.90	229.03
		For Pressure-Impregnated Treated (Preservative), Add	*35.07*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	792.58	232.62
		For Steep Roof, Over 7 To 12, Add	*148.87*	
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	901.69	232.62
		For Steep Roof, Over 7 To 12, Add	*148.87*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	829.44	189.68
		For Steep Roof, Over 7 To 12, Add	*121.39*	
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	875.82	189.68
		For Steep Roof, Over 7 To 12, Add	*121.39*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	828.37	250.51
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	937.48	250.51
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	879.55	214.72
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	925.93	214.72
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 19)*		
07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	12.97	1.86
		For Steep Roof, Over 7 To 12, Add	*1.39*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.30*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,558.26	332.29
		For Purple Or Green Color, Add	*143.00*	
		For Brown Or Red Color, Add	*366.44*	
		For Steep Roof, Over 7 To 12, Add	*212.64*	
		For >50 To 75, Deduct	*-22.34*	
		For >75 To 100, Deduct	*-61.30*	
		For >100 To 200, Deduct	*-100.26*	
		For >200, Deduct	*-155.83*	
		For 6.5" Exposure, Add	*108.14*	
		For 6.0" Exposure, Add	*216.28*	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	2,154.09	332.29
		For Purple, Green, Brown Or Red, Add	*223.44*	
		For Steep Roof, Over 7 To 12, Add	*212.64*	
		For >50 To 75, Deduct	*-37.24*	
		For >75 To 100, Deduct	*-91.09*	
		For >100 To 200, Deduct	*-144.94*	
		For >200, Deduct	*-215.41*	
		For 6.5" Exposure, Add	*150.70*	
		For 6.0" Exposure, Add	*301.40*	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,803.60	332.29
		For Purple, Green, Brown Or Red, Add	*410.07*	
		For Steep Roof, Over 7 To 12, Add	*212.64*	
		For >50 To 75, Deduct	*-28.48*	
		For >75 To 100, Deduct	*-73.57*	
		For >100 To 200, Deduct	*-118.66*	
		For >200, Deduct	*-180.36*	
		For 6.5" Exposure, Add	*125.67*	
		For 6.0" Exposure, Add	*251.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	2,276.76	332.29
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	*177.35*	
		For Steep Roof, Over 7 To 12, Add	*212.64*	
		For >50 To 75, Deduct	*-40.31*	
		For >75 To 100, Deduct	*-97.23*	
		For >100 To 200, Deduct	*-154.14*	
		For >200, Deduct	*-227.68*	
		For 6.5" Exposure, Add	*159.46*	
		For 6.0" Exposure, Add	*318.92*	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle	18.36	2.23
		Note: Beveled or pointed edges, gray or black.		

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,496.44	350.82
		For >25 To 50, Deduct	*-47.68*	
		For >50 To 75, Deduct	*-97.02*	
		For >75 To 100, Deduct	*-138.40*	
		For >100 To 200, Deduct	*-171.84*	
		For >200, Deduct	*-197.33*	
		For 20 Year Warranty, Add	*55.63*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,749.71	350.82
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-122.34*	
		For >75 To 100, Deduct	*-171.32*	
		For >100 To 200, Deduct	*-209.83*	
		For >200, Deduct	*-237.85*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,749.71	350.82
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-122.34*	
		For >75 To 100, Deduct	*-171.32*	
		For >100 To 200, Deduct	*-209.83*	
		For >200, Deduct	*-237.85*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,964.61	350.82
		For >25 To 50, Deduct	*-75.77*	
		For >50 To 75, Deduct	*-143.83*	
		For >75 To 100, Deduct	*-199.26*	
		For >100 To 200, Deduct	*-242.06*	
		For >200, Deduct	*-272.23*	
		For 20 Year Warranty, Add	*88.40*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,788.74	428.93
		For >25 To 50, Deduct	*-55.85*	
		For >50 To 75, Deduct	*-114.54*	
		For >75 To 100, Deduct	*-163.91*	
		For >100 To 200, Deduct	*-203.97*	
		For >200, Deduct	*-234.73*	
		For 20 Year Warranty, Add	*65.16*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,166.79	428.93
		For >25 To 50, Deduct	*-78.54*	
		For >50 To 75, Deduct	*-152.34*	
		For >75 To 100, Deduct	*-213.05*	
		For >100 To 200, Deduct	*-260.68*	
		For >200, Deduct	*-295.22*	
		For 20 Year Warranty, Add	*91.63*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,780.59	578.67
		For >25 To 50, Deduct	*-97.42*	
		For >50 To 75, Deduct	*-191.29*	
		For >75 To 100, Deduct	*-268.92*	
		For >100 To 200, Deduct	*-330.32*	
		For >200, Deduct	*-375.48*	
		For 20 Year Warranty, Add	*113.65*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,599.60	428.93
		For >25 To 50, Deduct	*-44.51*	
		For >50 To 75, Deduct	*-95.62*	
		For >75 To 100, Deduct	*-139.32*	
		For >100 To 200, Deduct	*-175.60*	
		For >200, Deduct	*-204.47*	
		For 20 Year Warranty, Add	*51.92*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,905.84	428.93
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-126.25*	
		For >75 To 100, Deduct	*-179.13*	
		For >100 To 200, Deduct	*-221.54*	
		For >200, Deduct	*-253.46*	
		For 20 Year Warranty, Add	*73.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,345.01	321.16
		For >25 To 50, Deduct	*-42.16*	
		For >50 To 75, Deduct	*-86.32*	
		For >75 To 100, Deduct	*-123.46*	
		For >100 To 200, Deduct	*-153.57*	
		For >200, Deduct	*-176.66*	
		For 20 Year Warranty, Add	*49.18*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,675.03	321.16
		For >25 To 50, Deduct	*-61.96*	
		For >50 To 75, Deduct	*-119.32*	
		For >75 To 100, Deduct	*-166.36*	
		For >100 To 200, Deduct	*-203.08*	
		For >200, Deduct	*-229.46*	
		For 20 Year Warranty, Add	*72.28*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,959.01	321.16
		For >25 To 50, Deduct	*-79.00*	
		For >50 To 75, Deduct	*-147.72*	
		For >75 To 100, Deduct	*-203.28*	
		For >100 To 200, Deduct	*-245.67*	
		For >200, Deduct	*-274.90*	
		For 20 Year Warranty, Add	*92.16*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,438.61	503.44
		For >25 To 50, Deduct	*-85.90*	
		For >50 To 75, Deduct	*-168.35*	
		For >75 To 100, Deduct	*-236.47*	
		For >100 To 200, Deduct	*-290.28*	
		For >200, Deduct	*-329.77*	
		For 20 Year Warranty, Add	*100.22*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,166.41	350.82
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 75, Deduct	*-64.01*	
		For >75 To 100, Deduct	*-95.50*	
		For >100 To 200, Deduct	*-122.33*	
		For >200, Deduct	*-144.52*	
		For 20 Year Warranty, Add	*32.53*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,575.17	503.44
		For >25 To 50, Deduct	*-34.10*	
		For >50 To 75, Deduct	*-82.00*	
		For >75 To 100, Deduct	*-124.22*	
		For >100 To 200, Deduct	*-160.76*	
		For >200, Deduct	*-191.62*	
		For 20 Year Warranty, Add	*39.78*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,360.33	531.79
		For >50 To 75, Deduct	*-11.86*	
		For >75 To 100, Deduct	*-47.36*	
		For >100 To 200, Deduct	*-85.81*	
		For >200, Deduct	*-121.30*	
		For Steep Roof, Over 7 To 12, Add	*340.39*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,651.12	531.79
		For >50 To 75, Deduct	*-23.50*	
		For >75 To 100, Deduct	*-67.71*	
		For >100 To 200, Deduct	*-117.80*	
		For >200, Deduct	*-162.01*	
		For Steep Roof, Over 7 To 12, Add	*340.39*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,418.49	531.79
		For >50 To 75, Deduct	*-14.19*	
		For >75 To 100, Deduct	*-51.43*	
		For >100 To 200, Deduct	*-92.21*	
		For >200, Deduct	*-129.45*	
		For Steep Roof, Over 7 To 12, Add	*340.39*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,321.06	475.81
		For >50 To 75, Deduct	*-14.77*	
		For >75 To 100, Deduct	*-49.65*	
		For >100 To 200, Deduct	*-88.21*	
		For >200, Deduct	*-123.08*	
		For Steep Roof, Over 7 To 12, Add	*304.56*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	4.91
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.23
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.88
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.59
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.82

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	47.39	10.71
		For Steep Roof, Over 7 To 12, Add	*6.85*	
		For >50 To 75, Deduct	*-1.04*	
		For >75 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.93*	
		For >200, Deduct	*-5.78*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	72.87	14.73
		For Steep Roof, Over 7 To 12, Add	*9.42*	
		For >50 To 75, Deduct	*-1.74*	
		For >75 To 100, Deduct	*-3.78*	
		For >100 To 200, Deduct	*-6.25*	
		For >200, Deduct	*-9.02*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	81.04	14.73
		For Steep Roof, Over 7 To 12, Add	*9.42*	
		For >50 To 75, Deduct	*-2.06*	
		For >75 To 100, Deduct	*-4.35*	
		For >100 To 200, Deduct	*-7.15*	
		For >200, Deduct	*-10.17*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	90.98	22.31
		For Steep Roof, Over 7 To 12, Add	*14.28*	
		For >50 To 75, Deduct	*-1.85*	
		For >75 To 100, Deduct	*-4.36*	
		For >100 To 200, Deduct	*-7.33*	
		For >200, Deduct	*-10.95*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	100.66	22.31
		For Steep Roof, Over 7 To 12, Add	*14.28*	
		For >50 To 75, Deduct	*-2.24*	
		For >75 To 100, Deduct	*-5.04*	
		For >100 To 200, Deduct	*-8.40*	
		For >200, Deduct	*-12.31*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	116.62	22.31
		For Steep Roof, Over 7 To 12, Add	*14.28*	
		For >50 To 75, Deduct	*-2.88*	
		For >75 To 100, Deduct	*-6.16*	
		For >100 To 200, Deduct	*-10.15*	
		For >200, Deduct	*-14.54*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	108.64	22.31
		For Steep Roof, Over 7 To 12, Add	*14.28*	
		For >50 To 75, Deduct	*-2.56*	
		For >75 To 100, Deduct	*-5.60*	
		For >100 To 200, Deduct	*-9.27*	
		For >200, Deduct	*-13.42*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	186.51	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-10.62*	
		For >100 To 200, Deduct	*-17.27*	
		For >200, Deduct	*-23.95*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	279.00	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-9.00*	
		For >75 To 100, Deduct	*-17.10*	
		For >100 To 200, Deduct	*-27.44*	
		For >200, Deduct	*-36.90*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	197.95	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-5.75*	
		For >75 To 100, Deduct	*-11.42*	
		For >100 To 200, Deduct	*-18.53*	
		For >200, Deduct	*-25.55*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	186.51	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-10.62*	
		For >100 To 200, Deduct	*-17.27*	
		For >200, Deduct	*-23.95*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	265.66	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-8.46*	
		For >75 To 100, Deduct	*-16.16*	
		For >100 To 200, Deduct	*-25.98*	
		For >200, Deduct	*-35.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	223.87	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-6.79*	
		For >75 To 100, Deduct	*-13.24*	
		For >100 To 200, Deduct	*-21.38*	
		For >200, Deduct	*-29.18*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	331.56	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-11.10*	
		For >75 To 100, Deduct	*-20.77*	
		For >100 To 200, Deduct	*-33.23*	
		For >200, Deduct	*-44.25*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	378.73	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-12.99*	
		For >75 To 100, Deduct	*-24.08*	
		For >100 To 200, Deduct	*-38.41*	
		For >200, Deduct	*-50.86*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	555.71	27.07
		For Steep Roof, Over 7 To 12, Add	*17.31*	
		For >50 To 75, Deduct	*-20.06*	
		For >75 To 100, Deduct	*-36.47*	
		For >100 To 200, Deduct	*-57.88*	
		For >200, Deduct	*-75.64*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	8.72	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	8.09	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.65	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.21	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.85	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.54	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.41	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	29.57	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	18.53	2.18
		For Steep Roof, Over 7 To 12, Add	*2.88*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	35.89	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.24*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	30.15	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.67*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.88	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	11.81	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	14.03	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	16.99	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	19.96	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	23.66	3.21
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.64*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	33.45	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.00*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	20.76	2.31
		For Steep Roof, Over 7 To 12, Add	*2.88*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.18*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	41.34	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.78*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	34.17	3.34
		For Steep Roof, Over 7 To 12, Add	*4.32*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.07*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.15	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.97*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.54*	
		For >1,500 To 5,000, Add	*2.12*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.83	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*2.00*	
		For 140 MPH Wind Load, Add	*0.84*	
		For Up To 1,500, Add	*3.71*	
		For >1,500 To 5,000, Add	*2.22*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.54	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.94*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Up To 1,500, Add	*3.39*	
		For >1,500 To 5,000, Add	*2.03*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.78	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.95*	
		For 140 MPH Wind Load, Add	*0.82*	
		For Up To 1,500, Add	*3.45*	
		For >1,500 To 5,000, Add	*2.07*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.05	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.96*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.51*	
		For >1,500 To 5,000, Add	*2.11*	
		For >5,000 To 10,000, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	15.05	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*2.01*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Up To 1,500, Add	*3.76*	
		For >1,500 To 5,000, Add	*2.26*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.18	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.70*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.48	2.31
		For Steep Roof, Over 6 To 12, Add	*2.70*	
		For 140 MPH Wind Load, Add	*1.11*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	38.13	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.84*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.81	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.72*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.63	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.99*	
		For 140 MPH Wind Load, Add	*0.84*	
		For Up To 1,500, Add	*3.66*	
		For >1,500 To 5,000, Add	*2.19*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.21	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*2.02*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Up To 1,500, Add	*3.80*	
		For >1,500 To 5,000, Add	*2.28*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.29	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*1.98*	
		For 140 MPH Wind Load, Add	*0.83*	
		For Up To 1,500, Add	*3.57*	
		For >1,500 To 5,000, Add	*2.14*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.37	3.40
		For Steep Roof, Over 6 To 12, Add	*2.05*	
		For Panels <16" Wide, Add	*2.03*	
		For 140 MPH Wind Load, Add	*0.85*	
		For Up To 1,500, Add	*3.84*	
		For >1,500 To 5,000, Add	*2.31*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0049		**Accessories For Aluminum Standing Seam Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.44	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.79*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.94	2.31
		For Steep Roof, Over 6 To 12, Add	*2.70*	
		For 140 MPH Wind Load, Add	*1.16*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.12	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.96*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	36.23	3.34
		For Steep Roof, Over 6 To 12, Add	*4.05*	
		For 140 MPH Wind Load, Add	*1.80*	
07 41 13 00-0054		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
07 41 13 00-0055		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	27.08	4.09
		For Steep Roof, Over 6 To 12, Add	*3.07*	
		For Panels <16" Wide, Add	*3.24*	
		For 140 MPH Wind Load, Add	*1.36*	
		For Up To 1,500, Add	*6.77*	
		For >1,500 To 5,000, Add	*4.06*	
		For >5,000 To 10,000, Add	*0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.66	4.09
		For Steep Roof, Over 6 To 12, Add	*3.07*	
		For Panels <16" Wide, Add	*3.42*	
		For 140 MPH Wind Load, Add	*1.43*	
		For Up To 1,500, Add	*7.67*	
		For >1,500 To 5,000, Add	*4.60*	
		For >5,000 To 10,000, Add	*0.77*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.91	4.09
		For Steep Roof, Over 6 To 12, Add	*3.07*	
		For Panels <16" Wide, Add	*3.64*	
		For 140 MPH Wind Load, Add	*1.52*	
		For Up To 1,500, Add	*8.73*	
		For >1,500 To 5,000, Add	*5.24*	
		For >5,000 To 10,000, Add	*0.87*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	40.36	4.09
		For Steep Roof, Over 6 To 12, Add	*3.07*	
		For Panels <16" Wide, Add	*3.91*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Up To 1,500, Add	*10.09*	
		For >1,500 To 5,000, Add	*6.05*	
		For >5,000 To 10,000, Add	*1.01*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.74	3.73
		For Steep Roof, Over 6 To 12, Add	*4.48*	
		For 140 MPH Wind Load, Add	*2.81*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.84	2.44
		For Steep Roof, Over 6 To 12, Add	*2.97*	
		For 140 MPH Wind Load, Add	*1.67*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	110.74	3.73
		For Steep Roof, Over 6 To 12, Add	*4.43*	
		For 140 MPH Wind Load, Add	*3.40*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	83.12	3.73
		For Steep Roof, Over 6 To 12, Add	*4.48*	
		For 140 MPH Wind Load, Add	*2.86*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.88	
		For Steep Roof, Over 7 To 12, Add	*0.19*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.14	
		For Steep Roof, Over 7 To 12, Add	*0.19*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.98	2.98
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.51	2.68
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	8.20	2.98
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.70	2.68
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	5.07	2.24
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.75	2.24
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	7.24	2.24
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.93	2.24
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	8.80	2.39
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	10.11	2.39
07 42		**Wall Panels** *(07 40)*		
07 42 13		**Metal Wall Panels** *(07 42)*		
07 42 13 19		**Insulated Metal Wall Panels** *(07 42 13)*		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement *(07 42 13 19)* Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.81	5.72
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	45.12	6.44
		For Non-Insulated Panels, Deduct	*-8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	48.19	7.15
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	51.43	7.45
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	58.69	8.16
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	68.81	9.02
		For Non-Insulated Panels, Deduct	*-12.73*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	24.91	2.96
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	27.96	3.34
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	30.54	3.80
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	34.06	5.02
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.40	2.12
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	29.05	2.12
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.69	2.12
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.58	2.24
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	39.95	2.24
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	24.59	1.75
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.81	1.75
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.42	1.87
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	31.40	1.87
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	37.03	1.87

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	26.05	2.12
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	28.04	2.12
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	33.12	2.12
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	36.24	2.24
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	38.38	2.24
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.47	1.75
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.46	1.75
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	27.53	1.87
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	32.60	1.87
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	35.69	1.87

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001 Aluminum Soffit And Fascia *(07 42 93)*

Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.62	2.00
		For 0.015" Thick, Deduct	*-0.10*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.89	2.10
		For 0.015" Thick, Deduct	*-0.19*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.52	2.16
		For 0.015" Thick, Deduct	*-0.23*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.33	2.28
		For 0.015" Thick, Deduct	*-0.33*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.38	2.49
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	15.06	2.75
		For 0.015" Thick, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.79	3.03
		For 0.015" Thick, Deduct	*-0.93*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	22.59	3.33
		For 0.015" Thick, Deduct	*-1.15*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.53	1.96
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	7.12	2.00
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	8.31	2.06
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.59	2.10

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	14.88	4.61
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	15.11	4.61
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	15.49	4.61

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

07 46 16 00-0006 Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	11.08	2.58
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	11.62	2.58
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	13.29	2.58
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	16.58	2.58

07 46 16 00-0011 V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	16.44	2.58
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	18.64	2.58
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	23.85	2.58

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	17.41	2.58
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	19.53	2.58
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	20.83	2.58

07 46 16 00-0019 Aluminum Siding Accessories *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.38	1.87
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.38	1.87
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	5.11	1.87
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.69	1.87
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.69	1.87

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels *(07 46 19)*

07 46 19 00-0002 Corrugated Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.33	2.58
		For Galvanized Instead Of Painted Steel, Add	*2.05*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.28	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.79*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.01	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.72*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.91	2.58
		For Galvanized Instead Of Painted Steel, Add	*0.94*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.69	2.58
		For Galvanized Instead Of Painted Steel, Add	*0.89*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.54	2.58
		For Galvanized Instead Of Painted Steel, Add	*0.85*	

07 46 19 00-0009 Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.54	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.85*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.07	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.73*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.75	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.22	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.52*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.10	2.58
		For Galvanized Instead Of Painted Steel, Add	*1.24*	

07 46 19 00-0015 Clapboard Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.97	1.28

07 46 23 Wood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.95	1.92
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.54	2.05
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	6.16	2.18
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	5.28	1.92
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.83	1.92
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	7.03	1.92
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	7.50	1.92
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.83	1.92
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.96	2.05
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.96	2.05

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.94	1.92
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.43	1.92
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	5.05	1.92
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.73	1.92

07 46 29 Plywood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.41	1.01
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.62	2.45
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.33	2.31
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.12	2.19
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.89	2.09
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.61	1.94
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	

07 46 33 00-0009 Vertical Vinyl Siding Panels *(07 46 33 00-0002)*

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	7.94	2.45
		For Manufacturer's Custom Colors, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	8.11	1.87
		For Manufacturer's Custom Colors, Add	*0.22*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	14.79	1.87
		For Manufacturer's Custom Colors, Add	*0.55*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	6.44	1.87
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	7.84	1.87
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.78	1.87
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.46	1.87
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.40	1.87
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.61	1.87
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	5.47	1.87
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.95	1.87
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	6.66	1.87
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.54	1.87
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.33	2.59
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	10.80	2.59
		For Manufacturer's Custom Colors, Add	*0.28*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	11.84	2.59
		For Manufacturer's Custom Colors, Add	*0.33*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	6.17	1.87
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	7.64	1.87
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	6.58	1.87
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.59	2.00
		For 0.038" Thick, Deduct	*-0.72*	
		For 0.040" Thick, Deduct	*-0.59*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.85	2.10
		For 0.038" Thick, Deduct	*-1.19*	
		For 0.040" Thick, Deduct	*-1.01*	
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.48	2.16
		For 0.038" Thick, Deduct	*-1.43*	
		For 0.040" Thick, Deduct	*-1.21*	
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.26	2.28
		For 0.038" Thick, Deduct	*-2.15*	
		For 0.040" Thick, Deduct	*-1.80*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.29	2.49
		For 0.038" Thick, Deduct	*-2.89*	
		For 0.040" Thick, Deduct	*-2.41*	
		For Manufacturer's Custom Colors, Add	*0.31*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	14.93	2.75
		For 0.038" Thick, Deduct	*-4.32*	
		For 0.040" Thick, Deduct	*-3.62*	
		For Manufacturer's Custom Colors, Add	*0.47*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.62	3.03
		For 0.038" Thick, Deduct	*-5.77*	
		For 0.040" Thick, Deduct	*-4.85*	
		For Manufacturer's Custom Colors, Add	*0.63*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	22.37	3.33
		For 0.038" Thick, Deduct	*-7.23*	
		For 0.040" Thick, Deduct	*-6.06*	
		For Manufacturer's Custom Colors, Add	*0.79*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.81	1.96
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	6.46	2.00
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	6.39	2.06
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	7.31	2.10
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0043		**Fiberglass Siding** *(07 46 33)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.65	2.88
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	9.19	2.59
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	10.19	2.59
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	8.29	2.59
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	9.19	2.59
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	8.02	3.03
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.63	2.88
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.47	2.81
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.28	2.74
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.96	2.59
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.62	2.45
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.75	0.72
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.36	2.66
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.88	2.16
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.84	1.44
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.77	1.58
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.64	1.73
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.30	2.02
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	4.00	1.44
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	5.01	1.58
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	6.04	1.73
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.42	2.02
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.20	1.44
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.36	1.58
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.56	1.73
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.62	2.02
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	7.25	2.86
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.80	3.17
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.57	3.17
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	12.35	3.74
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	8.37	2.06
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.91	2.06
07 46 63		**Fabricated Panel Assemblies with Siding** *(07 46)*		
07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.26	2.23
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	12.34	2.23
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.25	2.23
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.44	2.23

07 50 Membrane Roofing *(07)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	138.08
		For Up To 10, Add	*37.02*
		For >10 To 20, Add	*20.86*
		For >20 To 40, Add	*11.61*
		For >75 To 100, Deduct	*-5.80*
		For >100 To 200, Deduct	*-12.78*
		For >200, Deduct	*-18.59*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	375.37
		For Up To 10, Add	*84.48*
		For >10 To 20, Add	*44.59*
		For >20 To 40, Add	*23.47*
		For >75 To 100, Deduct	*-11.74*
		For >100 To 200, Deduct	*-24.65*
		For >200, Deduct	*-36.38*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	9.12

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	102.61
		For Up To 10, Add	*30.06*
		For >10 To 20, Add	*17.42*
		For >20 To 40, Add	*9.90*
		For >75 To 100, Deduct	*-4.95*
		For >100 To 200, Deduct	*-11.09*
		For >200, Deduct	*-16.04*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	109.37
		For Up To 10, Add	*31.41*
		For >10 To 20, Add	*18.09*
		For >20 To 40, Add	*10.24*
		For >75 To 100, Deduct	*-5.12*
		For >100 To 200, Deduct	*-11.43*
		For >200, Deduct	*-16.55*
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	117.06
		For Up To 10, Add	*32.95*
		For >10 To 20, Add	*18.86*
		For >20 To 40, Add	*10.62*
		For >75 To 100, Deduct	*-5.31*
		For >100 To 200, Deduct	*-11.82*
		For >200, Deduct	*-17.13*
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	202.33
		For Up To 10, Add	*50.01*
		For >10 To 20, Add	*27.39*
		For >20 To 40, Add	*14.89*
		For >75 To 100, Deduct	*-7.44*
		For >100 To 200, Deduct	*-16.08*
		For >200, Deduct	*-23.52*
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	339.91
		For Up To 10, Add	*77.52*
		For >10 To 20, Add	*41.15*
		For >20 To 40, Add	*21.77*
		For >75 To 100, Deduct	*-10.88*
		For >100 To 200, Deduct	*-22.96*
		For >200, Deduct	*-33.84*
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	258.89
		For Up To 10, Add	*62.23*
		For >10 To 20, Add	*33.73*
		For >20 To 40, Add	*18.17*
		For >75 To 100, Deduct	*-9.08*
		For >100 To 200, Deduct	*-19.47*
		For >200, Deduct	*-28.56*

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.89	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	105.94	
		For Up To 10, Add	*25.89*	
		For >10 To 20, Add	*14.12*	
		For >20 To 40, Add	*7.65*	
		For >75 To 100, Deduct	*-3.82*	
		For >100 To 200, Deduct	*-8.23*	
		For >200, Deduct	*-12.06*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	198.89	
		For Up To 10, Add	*44.48*	
		For >10 To 20, Add	*23.41*	
		For >20 To 40, Add	*12.29*	
		For >75 To 100, Deduct	*-6.15*	
		For >100 To 200, Deduct	*-12.88*	
		For >200, Deduct	*-19.03*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	336.47	
		For Up To 10, Add	*71.99*	
		For >10 To 20, Add	*37.17*	
		For >20 To 40, Add	*19.17*	
		For >75 To 100, Deduct	*-9.59*	
		For >100 To 200, Deduct	*-19.76*	
		For >200, Deduct	*-29.35*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	7.08	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	133.84	
		For Up To 10, Add	*36.17*	
		For >10 To 20, Add	*20.44*	
		For >20 To 40, Add	*11.40*	
		For >75 To 100, Deduct	*-5.70*	
		For >100 To 200, Deduct	*-12.57*	
		For >200, Deduct	*-18.27*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	151.29	
		For Up To 10, Add	*39.66*	
		For >10 To 20, Add	*22.18*	
		For >20 To 40, Add	*12.27*	
		For >75 To 100, Deduct	*-6.13*	
		For >100 To 200, Deduct	*-13.44*	
		For >200, Deduct	*-19.58*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	98.38	
		For Up To 10, Add	*29.22*	
		For >10 To 20, Add	*16.99*	
		For >20 To 40, Add	*9.69*	
		For >75 To 100, Deduct	*-4.84*	
		For >100 To 200, Deduct	*-10.88*	
		For >200, Deduct	*-15.73*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	115.83	
		For Up To 10, Add	*32.71*	
		For >10 To 20, Add	*18.74*	
		For >20 To 40, Add	*10.56*	
		For >75 To 100, Deduct	*-5.28*	
		For >100 To 200, Deduct	*-11.75*	
		For >200, Deduct	*-17.03*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	49.46	
		For Up To 10, Add	*14.59*	
		For >10 To 20, Add	*8.47*	
		For >20 To 40, Add	*4.82*	
		For >75 To 100, Deduct	*-2.41*	
		For >100 To 200, Deduct	*-5.41*	
		For >200, Deduct	*-7.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	66.91	
		For Up To 10, Add	*18.08*	
		For >10 To 20, Add	*10.21*	
		For >20 To 40, Add	*5.69*	
		For >75 To 100, Deduct	*-2.85*	
		For >100 To 200, Deduct	*-6.28*	
		For >200, Deduct	*-9.13*	
07 51 13 00-0036		**Surfacing** *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	217.91	
		For Up To 10, Add	*67.10*	
		For >10 To 20, Add	*39.43*	
		For >20 To 40, Add	*22.65*	
		For >75 To 100, Deduct	*-11.33*	
		For >100 To 200, Deduct	*-25.59*	
		For >200, Deduct	*-36.92*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	320.58	
		For Up To 10, Add	*87.63*	
		For >10 To 20, Add	*49.69*	
		For >20 To 40, Add	*27.79*	
		For >75 To 100, Deduct	*-13.89*	
		For >100 To 200, Deduct	*-30.73*	
		For >200, Deduct	*-44.62*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	221.32	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	58.36	
		For Up To 10, Add	*14.78*	
		For >10 To 20, Add	*8.16*	
		For >20 To 40, Add	*4.47*	
		For >75 To 100, Deduct	*-2.24*	
		For >100 To 200, Deduct	*-4.86*	
		For >200, Deduct	*-7.09*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	154.47	
		For Up To 10, Add	*36.54*	
		For >10 To 20, Add	*19.68*	
		For >20 To 40, Add	*10.55*	
		For >75 To 100, Deduct	*-5.27*	
		For >100 To 200, Deduct	*-11.25*	
		For >200, Deduct	*-16.52*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	137.49	
		For Up To 10, Add	*33.14*	
		For >10 To 20, Add	*17.98*	
		For >20 To 40, Add	*9.70*	
		For >75 To 100, Deduct	*-4.85*	
		For >100 To 200, Deduct	*-10.40*	
		For >200, Deduct	*-15.25*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	183.83	
		For Up To 10, Add	*42.41*	
		For >10 To 20, Add	*22.62*	
		For >20 To 40, Add	*12.01*	
		For >75 To 100, Deduct	*-6.01*	
		For >100 To 200, Deduct	*-12.72*	
		For >200, Deduct	*-18.73*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	185.34	
		For Up To 10, Add	*42.71*	
		For >10 To 20, Add	*22.77*	
		For >20 To 40, Add	*12.09*	
		For >75 To 100, Deduct	*-6.04*	
		For >100 To 200, Deduct	*-12.79*	
		For >200, Deduct	*-18.84*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*54.67*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	191.58	
		For Up To 10, Add	*43.96*	
		For >10 To 20, Add	*23.39*	
		For >20 To 40, Add	*12.40*	
		For >75 To 100, Deduct	*-6.20*	
		For >100 To 200, Deduct	*-13.11*	
		For >200, Deduct	*-19.31*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*56.73*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	3.11	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	5.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	47.72	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	38.62	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	45.93	

07 51 13 00-0052 Cant And Tapered Edge Strips *(07 51 13 00-0001)*

07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	5.59	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	5.76	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	6.55	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	5.27	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	5.41	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	6.24	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	7.16	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	7.41	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	8.36	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	8.27	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	10.00	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	11.25	

07 51 13 00-0065 Asphalt Primer *(07 51 13 00-0001)*

07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	44.62	

07 51 13 00-0067 Demolish Built-Up Roofing *(07 51 13 00-0001)*

Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.

07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		493.81
		For Up To 10, Add		*122.34*
		For >10 To 25, Add		*73.40*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.		380.94
		For Up To 10, Add		*94.38*
		For >10 To 25, Add		*56.63*

07 51 13 00-0070 Roofing System Warranty *(07 51 13 00-0001)*

Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.

07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	670.32	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.58	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	766.08	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	15.32	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,053.36	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	21.07	

07 51 13 00-0077 Built-Up Roofing Components (Tremco) *(07 51 13)*

Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	156.23	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	189.00	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	217.15	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	49.82	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	71.78	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	295.01	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	272.97	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	168.74	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	442.98	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	731.18	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	197.69	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	301.55	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	726.44	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	529.98	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	522.81	
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	303.96	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	604.43	
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	19.64	
07 51 13 00-0100	LF	19" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	32.01	
07 51 13 00-0101	LF	25" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	42.53	
07 51 13 00-0102	LF	38" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	62.29	
07 51 13 00-0103	LF	60-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	102.75	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	15.74	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	25.77	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	34.34	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	50.11	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	84.41	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.71	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.90	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.85	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	17.70	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	192.30	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	316.64	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	243.80	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	192.30	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	99.49	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	218.41	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	215.61	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	590.55	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	325.84	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	368.88	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	72.28	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	130.72	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	25.08	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	32.45	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	20.65	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	7.94	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	8.13	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	7.98	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	284.61	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	638.50	
07 51 13 00-0137	SQ	Polar Coat	167.31	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	203.70	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	583.44	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	269.56	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	74.93	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	38.52	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	45.42	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	95.45	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	486.06	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	496.16	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	633.34	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	821.35	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	482.61	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	92.87	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	96.37	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	103.27	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	77.21	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	69.86	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	251.18	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	473.57	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	379.58	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	669.74	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	911.16	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,031.90	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	766.14	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	935.23	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,139.92	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	137.68	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	156.29	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	24.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	84.75	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	366.99	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	369.88	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	650.14	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	422.41	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	472.75	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	680.72	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,106.94	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	184.14	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	207.15	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	180.81	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	122.78	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)*		
		See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	768.66	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	550.72	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	681.18	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	707.73	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	984.25	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,106.10	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	464.72	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	587.44	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	360.35	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	696.01	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	856.15	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	931.14	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	981.13	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	896.77	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	949.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	996.76	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	787.01	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,246.70	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	1,015.50	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	703.04	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	442.93	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	102.30	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	68.24	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	82.75	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	89.78	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	137.90	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	446.45	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	387.48	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	360.25	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	392.08	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	325.69	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	6.68	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	17.63	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	79.24	
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	8.67	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.37	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.28	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	171.35	
07 51 13 00-0240		**Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)*		
07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	52.02	
07 51 13 00-0242	SQ	Black-Knight® Primer	48.35	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	189.89	
07 51 13 00-0244	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	202.88	
07 51 13 00-0245	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	322.87	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	512.36	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	529.69	
07 51 13 00-0248	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	248.90	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	410.99	
07 51 13 00-0250	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	627.47	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,042.13	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	438.09	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	455.42	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	955.19	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	416.24	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	205.89	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	223.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	194.88	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	182.47	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	25.00	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	215.07	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	208.57	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	28.41	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	277.58	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,618.47	
07 51 13 00-0266	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	357.77	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	434.94	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	163.93	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	569.97	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	162.74	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	251.82
		For Up To 10, Add	*59.77*
		For >10 To 20, Add	*32.24*
		For >20 To 40, Add	*17.29*
		For >75 To 100, Deduct	*-8.65*
		For >100 To 200, Deduct	*-18.47*
		For >200, Deduct	*-27.12*
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	306.00
		For Up To 10, Add	*70.61*
		For >10 To 20, Add	*37.65*
		For >20 To 40, Add	*20.00*
		For >75 To 100, Deduct	*-10.00*
		For >100 To 200, Deduct	*-21.18*
		For >200, Deduct	*-31.18*
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	479.00
		For Up To 10, Add	*105.21*
		For >10 To 20, Add	*54.95*
		For >20 To 40, Add	*28.65*
		For >75 To 100, Deduct	*-14.33*
		For >100 To 200, Deduct	*-29.83*
		For >200, Deduct	*-44.16*
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	483.47
		For Up To 10, Add	*106.99*
		For >10 To 20, Add	*56.07*
		For >20 To 40, Add	*29.32*
		For >75 To 100, Deduct	*-14.66*
		For >100 To 200, Deduct	*-30.61*
		For >200, Deduct	*-45.27*
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	346.84
		For Up To 10, Add	*79.67*
		For >10 To 20, Add	*42.41*
		For >20 To 40, Add	*22.49*
		For >75 To 100, Deduct	*-11.25*
		For >100 To 200, Deduct	*-23.78*
		For >200, Deduct	*-35.03*
		For Factory Applied White Reflective Surfacing, Add	*111.04*
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	401.64
		For Up To 10, Add	*90.63*
		For >10 To 20, Add	*47.89*
		For >20 To 40, Add	*25.23*
		For >75 To 100, Deduct	*-12.62*
		For >100 To 200, Deduct	*-26.52*
		For >200, Deduct	*-39.14*
		For Factory Applied White Reflective Surfacing, Add	*111.04*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0009		SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	550.95	
			For Up To 10, Add	*120.49*	
			For >10 To 20, Add	*62.82*	
			For >20 To 40, Add	*32.70*	
			For >75 To 100, Deduct	*-16.35*	
			For >100 To 200, Deduct	*-33.99*	
			For >200, Deduct	*-50.33*	
			For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011		SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	7.11	
07 52 13 11-0012		SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	10.83	
			For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003		SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	182.40	
			For Up To 10, Add	*45.88*	
			For >10 To 20, Add	*25.29*	
			For >20 To 40, Add	*13.82*	
			For >75 To 100, Deduct	*-6.91*	
			For >100 To 200, Deduct	*-14.99*	
			For >200, Deduct	*-21.90*	
07 52 13 13-0004		SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	236.59	
			For Up To 10, Add	*56.71*	
			For >10 To 20, Add	*30.71*	
			For >20 To 40, Add	*16.53*	
			For >75 To 100, Deduct	*-8.26*	
			For >100 To 200, Deduct	*-17.70*	
			For >200, Deduct	*-25.97*	
07 52 13 13-0005		SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	285.59	
			For Up To 10, Add	*71.23*	
			For >10 To 20, Add	*39.14*	
			For >20 To 40, Add	*21.33*	
			For >75 To 100, Deduct	*-10.67*	
			For >100 To 200, Deduct	*-23.10*	
			For >200, Deduct	*-33.77*	
07 52 13 13-0006		SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	299.47	
			For Up To 10, Add	*74.00*	
			For >10 To 20, Add	*40.53*	
			For >20 To 40, Add	*22.03*	
			For >75 To 100, Deduct	*-11.01*	
			For >100 To 200, Deduct	*-23.79*	
			For >200, Deduct	*-34.81*	
07 52 13 13-0007		SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	412.01	
			For Up To 10, Add	*96.51*	
			For >10 To 20, Add	*51.78*	
			For >20 To 40, Add	*27.66*	
			For >75 To 100, Deduct	*-13.83*	
			For >100 To 200, Deduct	*-29.42*	
			For >200, Deduct	*-43.25*	
07 52 13 13-0008		SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	285.59	
			For Up To 10, Add	*71.23*	
			For >10 To 20, Add	*39.14*	
			For >20 To 40, Add	*21.33*	
			For >75 To 100, Deduct	*-10.67*	
			For >100 To 200, Deduct	*-23.10*	
			For >200, Deduct	*-33.77*	
07 52 13 13-0009		SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	302.93	
			For Up To 10, Add	*74.70*	
			For >10 To 20, Add	*40.88*	
			For >20 To 40, Add	*22.20*	
			For >75 To 100, Deduct	*-11.10*	
			For >100 To 200, Deduct	*-23.97*	
			For >200, Deduct	*-35.07*	
07 52 13 13-0010		SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	412.01	
			For Up To 10, Add	*96.51*	
			For >10 To 20, Add	*51.78*	
			For >20 To 40, Add	*27.66*	
			For >75 To 100, Deduct	*-13.83*	
			For >100 To 200, Deduct	*-29.42*	
			For >200, Deduct	*-43.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	296.52	
		For Up To 10, Add	*73.41*	
		For >10 To 20, Add	*40.23*	
		For >20 To 40, Add	*21.88*	
		For >75 To 100, Deduct	*-10.94*	
		For >100 To 200, Deduct	*-23.64*	
		For >200, Deduct	*-34.59*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	313.34	
		For Up To 10, Add	*76.78*	
		For >10 To 20, Add	*41.92*	
		For >20 To 40, Add	*22.72*	
		For >75 To 100, Deduct	*-11.36*	
		For >100 To 200, Deduct	*-24.49*	
		For >200, Deduct	*-35.85*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	354.61	
		For Up To 10, Add	*85.03*	
		For >10 To 20, Add	*46.04*	
		For >20 To 40, Add	*24.79*	
		For >75 To 100, Deduct	*-12.39*	
		For >100 To 200, Deduct	*-26.55*	
		For >200, Deduct	*-38.94*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	359.64	
		For Up To 10, Add	*86.04*	
		For >10 To 20, Add	*46.55*	
		For >20 To 40, Add	*25.04*	
		For >75 To 100, Deduct	*-12.52*	
		For >100 To 200, Deduct	*-26.80*	
		For >200, Deduct	*-39.32*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	500.63	
		For Up To 10, Add	*114.24*	
		For >10 To 20, Add	*60.65*	
		For >20 To 40, Add	*32.09*	
		For >75 To 100, Deduct	*-16.04*	
		For >100 To 200, Deduct	*-33.85*	
		For >200, Deduct	*-49.89*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.27	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.44	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.53	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.55	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.01	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	6.42	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	267.10	
		For Up To 10, Add	*58.12*	
		For >10 To 20, Add	*30.23*	
		For >20 To 40, Add	*15.70*	
		For >75 To 100, Deduct	*-7.85*	
		For >100 To 200, Deduct	*-16.29*	
		For >200, Deduct	*-24.14*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0001		Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002		Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*		
07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	198.77	
		For Up To 10, Add	*49.16*	
		For >10 To 20, Add	*26.93*	
		For >20 To 40, Add	*14.64*	
		For >75 To 100, Deduct	*-7.32*	
		For >100 To 200, Deduct	*-15.82*	
		For >200, Deduct	*-23.14*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	258.93	
		For Up To 10, Add	*61.19*	
		For >10 To 20, Add	*32.95*	
		For >20 To 40, Add	*17.65*	
		For >75 To 100, Deduct	*-8.82*	
		For >100 To 200, Deduct	*-18.83*	
		For >200, Deduct	*-27.65*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	266.70	
		For Up To 10, Add	*62.75*	
		For >10 To 20, Add	*33.72*	
		For >20 To 40, Add	*18.04*	
		For >75 To 100, Deduct	*-9.02*	
		For >100 To 200, Deduct	*-19.21*	
		For >200, Deduct	*-28.23*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	362.66	
		For Up To 10, Add	*81.94*	
		For >10 To 20, Add	*43.32*	
		For >20 To 40, Add	*22.84*	
		For >75 To 100, Deduct	*-11.42*	
		For >100 To 200, Deduct	*-24.01*	
		For >200, Deduct	*-35.43*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	459.77	
		For Up To 10, Add	*101.36*	
		For >10 To 20, Add	*53.03*	
		For >20 To 40, Add	*27.69*	
		For >75 To 100, Deduct	*-13.85*	
		For >100 To 200, Deduct	*-28.87*	
		For >200, Deduct	*-42.71*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	383.74	
		For Up To 10, Add	*87.05*	
		For >10 To 20, Add	*46.10*	
		For >20 To 40, Add	*24.34*	
		For >75 To 100, Deduct	*-12.17*	
		For >100 To 200, Deduct	*-25.62*	
		For >200, Deduct	*-37.79*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	394.18	
		For Up To 10, Add	*89.14*	
		For >10 To 20, Add	*47.14*	
		For >20 To 40, Add	*24.86*	
		For >75 To 100, Deduct	*-12.43*	
		For >100 To 200, Deduct	*-26.15*	
		For >200, Deduct	*-38.58*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	345.27	
		For Up To 10, Add	*79.35*	
		For >10 To 20, Add	*42.25*	
		For >20 To 40, Add	*22.41*	
		For >75 To 100, Deduct	*-11.21*	
		For >100 To 200, Deduct	*-23.70*	
		For >200, Deduct	*-34.91*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	349.78	
		For Up To 10, Add	*80.26*	
		For >10 To 20, Add	*42.70*	
		For >20 To 40, Add	*22.64*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-23.93*	
		For >200, Deduct	*-35.25*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	391.40	
		For Up To 10, Add	*88.58*	
		For >10 To 20, Add	*46.87*	
		For >20 To 40, Add	*24.72*	
		For >75 To 100, Deduct	*-12.36*	
		For >100 To 200, Deduct	*-26.01*	
		For >200, Deduct	*-38.37*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	398.34	
		For Up To 10, Add	*89.97*	
		For >10 To 20, Add	*47.56*	
		For >20 To 40, Add	*25.07*	
		For >75 To 100, Deduct	*-12.53*	
		For >100 To 200, Deduct	*-26.35*	
		For >200, Deduct	*-38.89*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	459.04	
		For Up To 10, Add	*102.11*	
		For >10 To 20, Add	*53.63*	
		For >20 To 40, Add	*28.10*	
		For >75 To 100, Deduct	*-14.05*	
		For >100 To 200, Deduct	*-29.39*	
		For >200, Deduct	*-43.44*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	569.61	
		For Up To 10, Add	*124.22*	
		For >10 To 20, Add	*64.69*	
		For >20 To 40, Add	*33.63*	
		For >75 To 100, Deduct	*-16.82*	
		For >100 To 200, Deduct	*-34.92*	
		For >200, Deduct	*-51.73*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	352.80	
		For Up To 10, Add	*80.86*	
		For >10 To 20, Add	*43.01*	
		For >20 To 40, Add	*22.79*	
		For >75 To 100, Deduct	*-11.40*	
		For >100 To 200, Deduct	*-24.08*	
		For >200, Deduct	*-35.47*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	363.66	
		For Up To 10, Add	*83.03*	
		For >10 To 20, Add	*44.09*	
		For >20 To 40, Add	*23.33*	
		For >75 To 100, Deduct	*-11.67*	
		For >100 To 200, Deduct	*-24.62*	
		For >200, Deduct	*-36.29*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	422.62	
		For Up To 10, Add	*94.82*	
		For >10 To 20, Add	*49.99*	
		For >20 To 40, Add	*26.28*	
		For >75 To 100, Deduct	*-13.14*	
		For >100 To 200, Deduct	*-27.57*	
		For >200, Deduct	*-40.71*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	424.01	
		For Up To 10, Add	*95.10*	
		For >10 To 20, Add	*50.13*	
		For >20 To 40, Add	*26.35*	
		For >75 To 100, Deduct	*-13.18*	
		For >100 To 200, Deduct	*-27.64*	
		For >200, Deduct	*-40.81*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	450.37	
		For Up To 10, Add	*100.37*	
		For >10 To 20, Add	*52.76*	
		For >20 To 40, Add	*27.67*	
		For >75 To 100, Deduct	*-13.83*	
		For >100 To 200, Deduct	*-28.96*	
		For >200, Deduct	*-42.79*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.22	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.73	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.77	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.26	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.87	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.97	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.80	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.91	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.52	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.78	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.94	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	16.73	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	163.31	
		For Up To 10, Add	*42.20*	
		For >10 To 20, Add	*23.49*	
		For >20 To 40, Add	*12.94*	
		For >75 To 100, Deduct	*-6.47*	
		For >100 To 200, Deduct	*-14.13*	
		For >200, Deduct	*-20.60*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	223.47	
		For Up To 10, Add	*54.23*	
		For >10 To 20, Add	*29.50*	
		For >20 To 40, Add	*15.94*	
		For >75 To 100, Deduct	*-7.97*	
		For >100 To 200, Deduct	*-17.14*	
		For >200, Deduct	*-25.11*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	231.23	
		For Up To 10, Add	*55.79*	
		For >10 To 20, Add	*30.28*	
		For >20 To 40, Add	*16.33*	
		For >75 To 100, Deduct	*-8.17*	
		For >100 To 200, Deduct	*-17.52*	
		For >200, Deduct	*-25.69*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	327.19	
		For Up To 10, Add	*74.98*	
		For >10 To 20, Add	*39.87*	
		For >20 To 40, Add	*21.13*	
		For >75 To 100, Deduct	*-10.56*	
		For >100 To 200, Deduct	*-22.32*	
		For >200, Deduct	*-32.89*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	424.31	
		For Up To 10, Add	*94.40*	
		For >10 To 20, Add	*49.59*	
		For >20 To 40, Add	*25.99*	
		For >75 To 100, Deduct	*-12.99*	
		For >100 To 200, Deduct	*-27.18*	
		For >200, Deduct	*-40.17*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	348.34	
		For Up To 10, Add	*80.12*	
		For >10 To 20, Add	*42.67*	
		For >20 To 40, Add	*22.64*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-23.95*	
		For >200, Deduct	*-35.27*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	358.78	
		For Up To 10, Add	*82.20*	
		For >10 To 20, Add	*43.71*	
		For >20 To 40, Add	*23.16*	
		For >75 To 100, Deduct	*-11.58*	
		For >100 To 200, Deduct	*-24.47*	
		For >200, Deduct	*-36.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	309.88	
		For Up To 10, Add	*72.42*	
		For >10 To 20, Add	*38.82*	
		For >20 To 40, Add	*20.72*	
		For >75 To 100, Deduct	*-10.36*	
		For >100 To 200, Deduct	*-22.02*	
		For >200, Deduct	*-32.38*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	314.39	
		For Up To 10, Add	*73.33*	
		For >10 To 20, Add	*39.28*	
		For >20 To 40, Add	*20.94*	
		For >75 To 100, Deduct	*-10.47*	
		For >100 To 200, Deduct	*-22.25*	
		For >200, Deduct	*-32.72*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	356.01	
		For Up To 10, Add	*81.65*	
		For >10 To 20, Add	*43.44*	
		For >20 To 40, Add	*23.02*	
		For >75 To 100, Deduct	*-11.51*	
		For >100 To 200, Deduct	*-24.33*	
		For >200, Deduct	*-35.84*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	362.95	
		For Up To 10, Add	*83.04*	
		For >10 To 20, Add	*44.13*	
		For >20 To 40, Add	*23.37*	
		For >75 To 100, Deduct	*-11.69*	
		For >100 To 200, Deduct	*-24.68*	
		For >200, Deduct	*-36.36*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	423.64	
		For Up To 10, Add	*95.18*	
		For >10 To 20, Add	*50.20*	
		For >20 To 40, Add	*26.41*	
		For >75 To 100, Deduct	*-13.20*	
		For >100 To 200, Deduct	*-27.71*	
		For >200, Deduct	*-40.92*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	534.22	
		For Up To 10, Add	*117.29*	
		For >10 To 20, Add	*61.26*	
		For >20 To 40, Add	*31.94*	
		For >75 To 100, Deduct	*-15.97*	
		For >100 To 200, Deduct	*-33.24*	
		For >200, Deduct	*-49.21*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	317.41	
		For Up To 10, Add	*73.93*	
		For >10 To 20, Add	*39.58*	
		For >20 To 40, Add	*21.09*	
		For >75 To 100, Deduct	*-10.55*	
		For >100 To 200, Deduct	*-22.40*	
		For >200, Deduct	*-32.95*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	328.26	
		For Up To 10, Add	*76.10*	
		For >10 To 20, Add	*40.66*	
		For >20 To 40, Add	*21.64*	
		For >75 To 100, Deduct	*-10.82*	
		For >100 To 200, Deduct	*-22.94*	
		For >200, Deduct	*-33.76*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	387.23	
		For Up To 10, Add	*87.89*	
		For >10 To 20, Add	*46.56*	
		For >20 To 40, Add	*24.59*	
		For >75 To 100, Deduct	*-12.29*	
		For >100 To 200, Deduct	*-25.89*	
		For >200, Deduct	*-38.18*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	388.61	
		For Up To 10, Add	*88.17*	
		For >10 To 20, Add	*46.70*	
		For >20 To 40, Add	*24.65*	
		For >75 To 100, Deduct	*-12.33*	
		For >100 To 200, Deduct	*-25.96*	
		For >200, Deduct	*-38.29*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	414.97	
		For Up To 10, Add	*93.44*	
		For >10 To 20, Add	*49.33*	
		For >20 To 40, Add	*25.97*	
		For >75 To 100, Deduct	*-12.99*	
		For >100 To 200, Deduct	*-27.28*	
		For >200, Deduct	*-40.26*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.04	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.55	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.59	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.01	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.08	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.69	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.79	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.62	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.73	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.23	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.60	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.76	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	16.55	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	334.15	
		For Up To 10, Add	*80.94*	
		For >10 To 20, Add	*44.00*	
		For >20 To 40, Add	*23.76*	
		For >75 To 100, Deduct	*-11.88*	
		For >100 To 200, Deduct	*-25.53*	
		For >200, Deduct	*-37.41*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	300.51	
		For Up To 10, Add	*74.21*	
		For >10 To 20, Add	*40.63*	
		For >20 To 40, Add	*22.08*	
		For >75 To 100, Deduct	*-11.04*	
		For >100 To 200, Deduct	*-23.84*	
		For >200, Deduct	*-34.88*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	340.05	
		For Up To 10, Add	*82.12*	
		For >10 To 20, Add	*44.59*	
		For >20 To 40, Add	*24.06*	
		For >75 To 100, Deduct	*-12.03*	
		For >100 To 200, Deduct	*-25.82*	
		For >200, Deduct	*-37.85*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	519.29	
		For Up To 10, Add	*117.97*	
		For >10 To 20, Add	*62.51*	
		For >20 To 40, Add	*33.02*	
		For >75 To 100, Deduct	*-16.51*	
		For >100 To 200, Deduct	*-34.78*	
		For >200, Deduct	*-51.29*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	311.81	
		For Up To 10, Add	*76.47*	
		For >10 To 20, Add	*41.76*	
		For >20 To 40, Add	*22.65*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-24.41*	
		For >200, Deduct	*-35.73*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	358.43	
		For Up To 10, Add	*85.80*	
		For >10 To 20, Add	*46.43*	
		For >20 To 40, Add	*24.98*	
		For >75 To 100, Deduct	*-12.49*	
		For >100 To 200, Deduct	*-26.74*	
		For >200, Deduct	*-39.23*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	373.32	
		For Up To 10, Add	*88.98*	
		For >10 To 20, Add	*48.07*	
		For >20 To 40, Add	*25.82*	
		For >75 To 100, Deduct	*-12.91*	
		For >100 To 200, Deduct	*-27.61*	
		For >200, Deduct	*-40.52*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	482.13	
		For Up To 10, Add	*110.74*	
		For >10 To 20, Add	*58.95*	
		For >20 To 40, Add	*31.26*	
		For >75 To 100, Deduct	*-15.63*	
		For >100 To 200, Deduct	*-33.05*	
		For >200, Deduct	*-48.68*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.85	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.83	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.61	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.04	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.14	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.24	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.47	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	15.37	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	207.33	
		For Up To 10, Add	*46.16*	
		For >10 To 20, Add	*24.26*	
		For >20 To 40, Add	*12.72*	
		For >75 To 100, Deduct	*-6.36*	
		For >100 To 200, Deduct	*-13.30*	
		For >200, Deduct	*-19.66*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	159.87	
		For Up To 10, Add	*36.67*	
		For >10 To 20, Add	*19.51*	
		For >20 To 40, Add	*10.34*	
		For >75 To 100, Deduct	*-5.17*	
		For >100 To 200, Deduct	*-10.93*	
		For >200, Deduct	*-16.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	206.59	
		For Up To 10, Add	*46.02*	
		For >10 To 20, Add	*24.18*	
		For >20 To 40, Add	*12.68*	
		For >75 To 100, Deduct	*-6.34*	
		For >100 To 200, Deduct	*-13.27*	
		For >200, Deduct	*-19.61*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	258.20	
		For Up To 10, Add	*56.34*	
		For >10 To 20, Add	*29.34*	
		For >20 To 40, Add	*15.26*	
		For >75 To 100, Deduct	*-7.63*	
		For >100 To 200, Deduct	*-15.85*	
		For >200, Deduct	*-23.48*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	323.75	
		For Up To 10, Add	*69.45*	
		For >10 To 20, Add	*35.90*	
		For >20 To 40, Add	*18.54*	
		For >75 To 100, Deduct	*-9.27*	
		For >100 To 200, Deduct	*-19.12*	
		For >200, Deduct	*-28.39*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.14	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.24	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	166.84	
		For Up To 10, Add	*39.01*	
		For >10 To 20, Add	*20.92*	
		For >20 To 40, Add	*11.16*	
		For >75 To 100, Deduct	*-5.58*	
		For >100 To 200, Deduct	*-11.87*	
		For >200, Deduct	*-17.45*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	176.67	
		For Up To 10, Add	*40.98*	
		For >10 To 20, Add	*21.90*	
		For >20 To 40, Add	*11.66*	
		For >75 To 100, Deduct	*-5.83*	
		For >100 To 200, Deduct	*-12.36*	
		For >200, Deduct	*-18.19*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	296.98	
		For Up To 10, Add	*65.46*	
		For >10 To 20, Add	*34.25*	
		For >20 To 40, Add	*17.88*	
		For >75 To 100, Deduct	*-8.94*	
		For >100 To 200, Deduct	*-18.64*	
		For >200, Deduct	*-27.58*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	354.63	
		For Up To 10, Add	*76.99*	
		For >10 To 20, Add	*40.01*	
		For >20 To 40, Add	*20.76*	
		For >75 To 100, Deduct	*-10.38*	
		For >100 To 200, Deduct	*-21.52*	
		For >200, Deduct	*-31.91*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	524.58	
		For Up To 10, Add	*110.98*	
		For >10 To 20, Add	*57.01*	
		For >20 To 40, Add	*29.26*	
		For >75 To 100, Deduct	*-14.63*	
		For >100 To 200, Deduct	*-30.02*	
		For >200, Deduct	*-44.65*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.80	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.36	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	7.06	
			For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

	07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	636.14	112.87
			For Up To 10, Add	*172.38*	
			For >10 To 20, Add	*97.48*	
			For >20 To 40, Add	*54.38*	
			For >75 To 100, Deduct	*-27.19*	
			For >100 To 200, Deduct	*-60.02*	
			For >200, Deduct	*-87.22*	
			For 15 Year Warranty, Add	*3.00*	
	07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	469.33	56.44
			For Up To 10, Add	*116.44*	
			For >10 To 20, Add	*63.86*	
			For >20 To 40, Add	*34.75*	
			For >75 To 100, Deduct	*-17.38*	
			For >100 To 200, Deduct	*-37.58*	
			For >200, Deduct	*-54.95*	
			For 15 Year Warranty, Add	*3.00*	
	07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	509.09	84.66
			For Up To 10, Add	*135.68*	
			For >10 To 20, Add	*76.31*	
			For >20 To 40, Add	*42.39*	
			For >75 To 100, Deduct	*-21.19*	
			For >100 To 200, Deduct	*-46.62*	
			For >200, Deduct	*-67.81*	
			For 15 Year Warranty, Add	*3.00*	
			For Mechanically Fastened To Concrete Decks, Add	*42.33*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.68*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

	07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	317.98	56.44
			For Up To 10, Add	*86.17*	
			For >10 To 20, Add	*48.73*	
			For >20 To 40, Add	*27.19*	
			For >75 To 100, Deduct	*-13.59*	
			For >100 To 200, Deduct	*-30.01*	
			For >200, Deduct	*-43.60*	
			For 15 Year Warranty, Add	*3.00*	
			For Low Slope Fire Rated, Add	*8.92*	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
	07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	403.08	59.96
			For Up To 10, Add	*104.60*	
			For >10 To 20, Add	*58.30*	
			For >20 To 40, Add	*32.15*	
			For >75 To 100, Deduct	*-16.07*	
			For >100 To 200, Deduct	*-35.14*	
			For >200, Deduct	*-51.22*	
			For 15 Year Warranty, Add	*3.00*	
			For 20 Year Warranty, Add	*7.00*	
			For 25 Year Warranty, Add	*9.00*	
			For Low Slope Fire Rated, Add	*8.92*	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
	07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	532.97	63.49
			For Up To 10, Add	*131.99*	
			For >10 To 20, Add	*72.34*	
			For >20 To 40, Add	*39.35*	
			For >75 To 100, Deduct	*-19.67*	
			For >100 To 200, Deduct	*-42.52*	
			For >200, Deduct	*-62.19*	
			For 15 Year Warranty, Add	*3.00*	
			For 20 Year Warranty, Add	*7.00*	
			For 25 Year Warranty, Add	*9.00*	
			For Low Slope Fire Rated, Add	*8.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	384.11	84.66
		For Up To 10, Add	*110.68*	
		For >10 To 20, Add	*63.81*	
		For >20 To 40, Add	*36.14*	
		For >75 To 100, Deduct	*-18.07*	
		For >100 To 200, Deduct	*-40.37*	
		For >200, Deduct	*-58.44*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	469.21	88.18
		For Up To 10, Add	*129.11*	
		For >10 To 20, Add	*73.38*	
		For >20 To 40, Add	*41.10*	
		For >75 To 100, Deduct	*-20.55*	
		For >100 To 200, Deduct	*-45.51*	
		For >200, Deduct	*-66.05*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	599.10	91.71
		For Up To 10, Add	*156.50*	
		For >10 To 20, Add	*87.42*	
		For >20 To 40, Add	*48.30*	
		For >75 To 100, Deduct	*-24.15*	
		For >100 To 200, Deduct	*-52.88*	
		For >200, Deduct	*-77.03*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	506.22	112.87
		For Up To 10, Add	*146.39*	
		For >10 To 20, Add	*84.48*	
		For >20 To 40, Add	*47.89*	
		For >75 To 100, Deduct	*-23.94*	
		For >100 To 200, Deduct	*-53.53*	
		For >200, Deduct	*-77.47*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	591.33	116.40
		For Up To 10, Add	*164.83*	
		For >10 To 20, Add	*94.05*	
		For >20 To 40, Add	*52.85*	
		For >75 To 100, Deduct	*-26.42*	
		For >100 To 200, Deduct	*-58.67*	
		For >200, Deduct	*-85.09*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	721.22	119.92
		For Up To 10, Add	*192.22*	
		For >10 To 20, Add	*108.10*	
		For >20 To 40, Add	*60.05*	
		For >75 To 100, Deduct	*-30.02*	
		For >100 To 200, Deduct	*-66.04*	
		For >200, Deduct	*-96.07*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	357.48	84.66
		For Up To 10, Add	*105.36*	
		For >10 To 20, Add	*61.14*	
		For >20 To 40, Add	*34.81*	
		For >75 To 100, Deduct	*-17.40*	
		For >100 To 200, Deduct	*-39.04*	
		For >200, Deduct	*-56.44*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*42.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.68*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	442.58	88.18
		For Up To 10, Add	*123.79*	
		For >10 To 20, Add	*70.71*	
		For >20 To 40, Add	*39.77*	
		For >75 To 100, Deduct	*-19.88*	
		For >100 To 200, Deduct	*-44.17*	
		For >200, Deduct	*-64.06*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*44.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.44*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	572.48	91.71
		For Up To 10, Add	*151.18*	
		For >10 To 20, Add	*84.76*	
		For >20 To 40, Add	*46.97*	
		For >75 To 100, Deduct	*-23.48*	
		For >100 To 200, Deduct	*-51.55*	
		For >200, Deduct	*-75.03*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*45.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*47.21*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	80.41	
		For Up To 10, Add	*21.73*	
		For >10 To 20, Add	*12.27*	
		For >20 To 40, Add	*6.84*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.55*	
		For >200, Deduct	*-10.97*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	83.02	
		For Up To 10, Add	*22.25*	
		For >10 To 20, Add	*12.54*	
		For >20 To 40, Add	*6.97*	
		For >75 To 100, Deduct	*-3.49*	
		For >100 To 200, Deduct	*-7.68*	
		For >200, Deduct	*-11.17*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	52.15	13.40
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	72.74	13.40
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	132.19	13.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	174.34	14.81
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	39.83	8.18
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.74	2.12
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.86	3.18

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	571.63	63.49
		For Up To 10, Add	*139.72*	
		For >10 To 20, Add	*76.21*	
		For >20 To 40, Add	*41.28*	
		For >75 To 100, Deduct	*-20.64*	
		For >100 To 200, Deduct	*-44.45*	
		For >200, Deduct	*-65.09*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	645.24	91.71
		For Up To 10, Add	*165.73*	
		For >10 To 20, Add	*92.04*	
		For >20 To 40, Add	*50.60*	
		For >75 To 100, Deduct	*-25.30*	
		For >100 To 200, Deduct	*-55.19*	
		For >200, Deduct	*-80.49*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	778.58	119.92
		For Up To 10, Add	*203.69*	
		For >10 To 20, Add	*113.84*	
		For >20 To 40, Add	*62.92*	
		For >75 To 100, Deduct	*-31.46*	
		For >100 To 200, Deduct	*-68.91*	
		For >200, Deduct	*-100.37*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	286.02	56.44
		For Up To 10, Add	*79.78*	
		For >10 To 20, Add	*45.53*	
		For >20 To 40, Add	*25.59*	
		For >75 To 100, Deduct	*-12.79*	
		For >100 To 200, Deduct	*-28.41*	
		For >200, Deduct	*-41.20*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	319.93	59.96
		For Up To 10, Add	*87.97*	
		For >10 To 20, Add	*49.98*	
		For >20 To 40, Add	*27.99*	
		For >75 To 100, Deduct	*-13.99*	
		For >100 To 200, Deduct	*-30.99*	
		For >200, Deduct	*-44.98*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	357.79	61.73
		Note: Includes ballast.		
		For Up To 10, Add	*96.25*	
		For >10 To 20, Add	*54.30*	
		For >20 To 40, Add	*30.24*	
		For >75 To 100, Deduct	*-15.12*	
		For >100 To 200, Deduct	*-33.32*	
		For >200, Deduct	*-48.44*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	376.23	63.49
		Note: Includes ballast.		
		For Up To 10, Add	*100.64*	
		For >10 To 20, Add	*56.67*	
		For >20 To 40, Add	*31.51*	
		For >75 To 100, Deduct	*-15.75*	
		For >100 To 200, Deduct	*-34.68*	
		For >200, Deduct	*-50.44*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	534.21	112.87
		Note: Includes adhesive.		
		For Up To 10, Add	*151.99*	
		For >10 To 20, Add	*87.28*	
		For >20 To 40, Add	*49.28*	
		For >75 To 100, Deduct	*-24.64*	
		For >100 To 200, Deduct	*-54.93*	
		For >200, Deduct	*-79.57*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	568.12	116.40
		Note: Includes adhesive.		
		For Up To 10, Add	*160.18*	
		For >10 To 20, Add	*91.73*	
		For >20 To 40, Add	*51.69*	
		For >75 To 100, Deduct	*-25.84*	
		For >100 To 200, Deduct	*-57.51*	
		For >200, Deduct	*-83.35*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	605.98	118.17
		Note: Includes adhesive.		
		For Up To 10, Add	*168.46*	
		For >10 To 20, Add	*96.05*	
		For >20 To 40, Add	*53.93*	
		For >75 To 100, Deduct	*-26.97*	
		For >100 To 200, Deduct	*-59.84*	
		For >200, Deduct	*-86.81*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	624.43	119.92
		Note: Includes adhesive.		
		For Up To 10, Add	*172.86*	
		For >10 To 20, Add	*98.42*	
		For >20 To 40, Add	*55.21*	
		For >75 To 100, Deduct	*-27.60*	
		For >100 To 200, Deduct	*-61.20*	
		For >200, Deduct	*-88.81*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	317.07	84.66
		For Up To 10, Add	*97.28*	
		For >10 To 20, Add	*57.10*	
		For >20 To 40, Add	*32.78*	
		For >75 To 100, Deduct	*-16.39*	
		For >100 To 200, Deduct	*-37.02*	
		For >200, Deduct	*-53.41*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*42.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.68*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	350.98	88.18
		For Up To 10, Add	*105.47*	
		For >10 To 20, Add	*61.55*	
		For >20 To 40, Add	*35.19*	
		For >75 To 100, Deduct	*-17.59*	
		For >100 To 200, Deduct	*-39.59*	
		For >200, Deduct	*-57.19*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*44.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.44*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	388.83	89.94
		For Up To 10, Add	*113.74*	
		For >10 To 20, Add	*65.87*	
		For >20 To 40, Add	*37.43*	
		For >75 To 100, Deduct	*-18.72*	
		For >100 To 200, Deduct	*-41.93*	
		For >200, Deduct	*-60.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*44.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*46.32*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	407.28	91.71
		For Up To 10, Add	*118.14*	
		For >10 To 20, Add	*68.24*	
		For >20 To 40, Add	*38.71*	
		For >75 To 100, Deduct	*-19.35*	
		For >100 To 200, Deduct	*-43.29*	
		For >200, Deduct	*-62.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*45.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*47.21*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	80.41	
		For Up To 10, Add	*21.73*	
		For >10 To 20, Add	*12.27*	
		For >20 To 40, Add	*6.84*	
		For >75 To 100, Deduct	*-3.42*	
		For >100 To 200, Deduct	*-7.55*	
		For >200, Deduct	*-10.97*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	83.02	
		For Up To 10, Add	*22.25*	
		For >10 To 20, Add	*12.54*	
		For >20 To 40, Add	*6.97*	
		For >75 To 100, Deduct	*-3.49*	
		For >100 To 200, Deduct	*-7.68*	
		For >200, Deduct	*-11.17*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	83.08	11.99
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	115.48	13.40
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	146.96	14.81
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	185.64	14.81
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	34.51	8.18
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	9.08	2.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	11.20	3.18
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing	12.04	2.12
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	524.16	112.87
		Note: Includes adhesive.		
		For Up To 10, Add	*149.98*	
		For >10 To 20, Add	*86.28*	
		For >20 To 40, Add	*48.78*	
		For >75 To 100, Deduct	*-24.39*	
		For >100 To 200, Deduct	*-54.43*	
		For >200, Deduct	*-78.82*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	547.80	114.64
		Note: Includes adhesive.		
		For Up To 10, Add	*155.41*	
		For >10 To 20, Add	*89.17*	
		For >20 To 40, Add	*50.32*	
		For >75 To 100, Deduct	*-25.16*	
		For >100 To 200, Deduct	*-56.05*	
		For >200, Deduct	*-81.21*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	560.27	116.40
		Note: Includes adhesive.		
		For Up To 10, Add	*158.61*	
		For >10 To 20, Add	*90.95*	
		For >20 To 40, Add	*51.29*	
		For >75 To 100, Deduct	*-25.65*	
		For >100 To 200, Deduct	*-57.11*	
		For >200, Deduct	*-82.76*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	716.60	119.92
		Note: Includes adhesive.		
		For Up To 10, Add	*191.29*	
		For >10 To 20, Add	*107.64*	
		For >20 To 40, Add	*59.82*	
		For >75 To 100, Deduct	*-29.91*	
		For >100 To 200, Deduct	*-65.81*	
		For >200, Deduct	*-95.72*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	350.59	84.66
		Note: Includes fasteners.		
		For Up To 10, Add	*103.98*	
		For >10 To 20, Add	*60.46*	
		For >20 To 40, Add	*34.46*	
		For >75 To 100, Deduct	*-17.23*	
		For >100 To 200, Deduct	*-38.69*	
		For >200, Deduct	*-55.92*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*42.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.68*	
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	374.22	86.42
		Note: Includes fasteners.		
		For Up To 10, Add	*109.41*	
		For >10 To 20, Add	*63.35*	
		For >20 To 40, Add	*35.99*	
		For >75 To 100, Deduct	*-18.00*	
		For >100 To 200, Deduct	*-40.31*	
		For >200, Deduct	*-58.31*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*43.21*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*44.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	386.70	88.18
		For Up To 10, Add	*112.61*	
		For >10 To 20, Add	*65.12*	
		For >20 To 40, Add	*36.97*	
		For >75 To 100, Deduct	*-18.49*	
		For >100 To 200, Deduct	*-41.38*	
		For >200, Deduct	*-59.87*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*44.09*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.44*	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	543.02	91.71
		For Up To 10, Add	*145.29*	
		For >10 To 20, Add	*81.82*	
		For >20 To 40, Add	*45.49*	
		For >75 To 100, Deduct	*-22.75*	
		For >100 To 200, Deduct	*-50.08*	
		For >200, Deduct	*-72.83*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*45.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*47.21*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	94.77	
		For Up To 10, Add	*24.60*	
		For >10 To 20, Add	*13.71*	
		For >20 To 40, Add	*7.56*	
		For >75 To 100, Deduct	*-3.78*	
		For >100 To 200, Deduct	*-8.27*	
		For >200, Deduct	*-12.05*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	83.02	
		For Up To 10, Add	*22.25*	
		For >10 To 20, Add	*12.54*	
		For >20 To 40, Add	*6.97*	
		For >75 To 100, Deduct	*-3.49*	
		For >100 To 200, Deduct	*-7.68*	
		For >200, Deduct	*-11.17*	
		For Tan Or Gray Color, Add	*2.74*	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	72.11	11.99
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	77.98	13.40
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	139.97	14.81
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	34.12	8.18
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.46	2.12
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	8.61	2.12
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	13.54	2.12

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene/Hypalon (CSM/CR) Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene/Hypalon (CSM/CR) Liquid Roofing	1,277.01	187.74
		For Each Additional Coat, Add	*191.55*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,134.12	197.85
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,269.68	220.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0006		Silicone Elastomeric Liquid Roofing *(07 56)*		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	499.35	113.37
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	609.23	113.37
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	691.87	113.37
07 56 00 00-0010		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On *(07 56)*		
		Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*		
07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,144.97	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,175.46	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	475.14	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,493.51	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	838.74	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	552.87	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	649.13	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,241.23	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.37	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	6.19	
07 56 00 00-0022		Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)*		
		Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	12.87	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	12.26	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.66	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.90	
07 56 00 00-0027		Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	2,106.45	113.37
07 56 00 00-0029		Urethane Liquid Roofing Membrane *(07 56)*		
		Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	105.00	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	6.54	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	399.56	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	104.69	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	978.53	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,474.96	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,012.17	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	264.76	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	434.43	69.61
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	517.93	74.58
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	601.42	79.56
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	693.05	84.53
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	784.66	89.50
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	860.04	94.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	935.42	99.45
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,018.92	104.41
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,102.42	109.39
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,185.91	114.37
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,269.41	119.33

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	447.06	69.61
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	530.57	74.58
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	614.06	79.56
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	697.56	84.53
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	781.05	89.50
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	864.56	94.47
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	948.06	99.45
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,031.55	104.41
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,115.05	109.39
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,198.55	114.37
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,282.05	119.33

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	477.75	69.61
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	558.54	74.58
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	639.33	79.56
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	722.83	84.53
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	806.32	89.50
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	923.57	94.47
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,040.82	99.45
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,131.18	104.41
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,221.54	109.39
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,311.89	114.37
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,402.25	119.33

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	486.77	69.61
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	577.13	74.58
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	667.48	79.56
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	757.84	84.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	848.19	89.50
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	938.55	94.47
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,028.91	99.45
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,119.26	104.41
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,209.62	109.39
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,299.97	114.37
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,390.34	119.33

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	504.64	69.61
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	595.00	74.58
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	685.35	79.56
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	775.71	84.53
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	866.06	89.50
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	956.42	94.47
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,046.78	99.45
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,137.13	104.41
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,227.49	109.39
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,317.84	114.37
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,408.20	119.33

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	518.53	69.61
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	608.89	74.58
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	699.24	79.56
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	789.61	84.53
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	879.96	89.50
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	970.32	94.47
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,060.68	99.45
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,151.03	104.41
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,241.39	109.39
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,331.74	114.37
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,422.10	119.33

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	304.25	44.62

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	6.01	2.02

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	33.76	3.96
		For Steep Roof, Over 6 To 12, Add	*2.37*	
		For Panels <16" Wide, Add	*3.15*	
		For 140 MPH Wind Load, Add	*1.31*	
		For Up To 1,500, Add	*8.44*	
		For >1,500 To 5,000, Add	*5.06*	
		For >5,000 To 10,000, Add	*0.84*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	36.94	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For Panels <16" Wide, Add	*3.43*	
		For 140 MPH Wind Load, Add	*1.42*	
		For Up To 1,500, Add	*9.24*	
		For >1,500 To 5,000, Add	*5.54*	
		For >5,000 To 10,000, Add	*0.92*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	43.40	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*3.90*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Up To 1,500, Add	*10.85*	
		For >1,500 To 5,000, Add	*6.51*	
		For >5,000 To 10,000, Add	*1.09*	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	39.34	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For Panels <16" Wide, Add	*3.55*	
		For 140 MPH Wind Load, Add	*1.47*	
		For Up To 1,500, Add	*9.84*	
		For >1,500 To 5,000, Add	*5.90*	
		For >5,000 To 10,000, Add	*0.98*	
		For Tin/Copper, Deduct	*-0.62*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	47.40	4.47
		For Steep Roof, Over 6 To 12, Add	*2.68*	
		For Panels <16" Wide, Add	*4.02*	
		For 140 MPH Wind Load, Add	*1.66*	
		For Up To 1,500, Add	*11.85*	
		For >1,500 To 5,000, Add	*7.11*	
		For >5,000 To 10,000, Add	*1.19*	
		For Tin/Copper, Deduct	*-0.77*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	53.74	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*4.42*	
		For 140 MPH Wind Load, Add	*1.82*	
		For Up To 1,500, Add	*13.44*	
		For >1,500 To 5,000, Add	*8.06*	
		For >5,000 To 10,000, Add	*1.34*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	67.05	4.90
		For Steep Roof, Over 6 To 12, Add	*2.94*	
		For Panels <16" Wide, Add	*5.17*	
		For 140 MPH Wind Load, Add	*2.13*	
		For Up To 1,500, Add	*16.76*	
		For >1,500 To 5,000, Add	*10.06*	
		For >5,000 To 10,000, Add	*1.68*	
		For Tin/Copper, Deduct	*-1.15*	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	139.49	8.18
		For Steep Roof, Over 6 To 12, Add	*6.13*	
		For 140 MPH Wind Load, Add	*4.43*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	81.84	8.18
		For Steep Roof, Over 6 To 12, Add	*6.13*	
		For 140 MPH Wind Load, Add	*3.27*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	194.01	8.18
		For Steep Roof, Over 6 To 12, Add	*6.13*	
		For 140 MPH Wind Load, Add	*5.52*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	143.80	8.18
		For Steep Roof, Over 6 To 12, Add	*6.13*	
		For 140 MPH Wind Load, Add	*4.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 61 16 Batten Seam Sheet Metal Roofing *(07 61)*

07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*

07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	41.50	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*3.80*	
		For 140 MPH Wind Load, Add	*1.58*	
		For Up To 1,500, Add	*10.38*	
		For >1,500 To 5,000, Add	*6.23*	
		For >5,000 To 10,000, Add	*1.04*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	45.77	4.91
		For Steep Roof, Over 6 To 12, Add	*2.95*	
		For Panels <16" Wide, Add	*4.11*	
		For 140 MPH Wind Load, Add	*1.70*	
		For Up To 1,500, Add	*11.44*	
		For >1,500 To 5,000, Add	*6.87*	
		For >5,000 To 10,000, Add	*1.14*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	53.16	5.14
		For Steep Roof, Over 6 To 12, Add	*3.09*	
		For Panels <16" Wide, Add	*4.56*	
		For 140 MPH Wind Load, Add	*1.89*	
		For Up To 1,500, Add	*13.29*	
		For >1,500 To 5,000, Add	*7.97*	
		For >5,000 To 10,000, Add	*1.33*	

07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	41.99	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For Panels <16" Wide, Add	*3.68*	
		For 140 MPH Wind Load, Add	*1.53*	
		For Up To 1,500, Add	*10.50*	
		For >1,500 To 5,000, Add	*6.30*	
		For >5,000 To 10,000, Add	*1.05*	
		For Tin/Copper, Deduct	*-0.67*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	51.19	4.47
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For Panels <16" Wide, Add	*4.22*	
		For 140 MPH Wind Load, Add	*1.74*	
		For Up To 1,500, Add	*12.80*	
		For >1,500 To 5,000, Add	*7.68*	
		For >5,000 To 10,000, Add	*1.28*	
		For Tin/Copper, Deduct	*-0.84*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	57.27	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*4.59*	
		For 140 MPH Wind Load, Add	*1.89*	
		For Up To 1,500, Add	*14.32*	
		For >1,500 To 5,000, Add	*8.59*	
		For >5,000 To 10,000, Add	*1.43*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	71.59	4.90
		For Steep Roof, Over 6 To 12, Add	*2.94*	
		For Panels <16" Wide, Add	*5.39*	
		For 140 MPH Wind Load, Add	*2.22*	
		For Up To 1,500, Add	*17.90*	
		For >1,500 To 5,000, Add	*10.74*	
		For >5,000 To 10,000, Add	*1.79*	
		For Tin/Copper, Deduct	*-1.24*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	32.28	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For Panels <16" Wide, Add	*3.20*	
		For 140 MPH Wind Load, Add	*1.33*	
		For Up To 1,500, Add	*8.07*	
		For >1,500 To 5,000, Add	*4.84*	
		For >5,000 To 10,000, Add	*0.81*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	35.43	4.47
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For Panels <16" Wide, Add	*3.43*	
		For 140 MPH Wind Load, Add	*1.42*	
		For Up To 1,500, Add	*8.86*	
		For >1,500 To 5,000, Add	*5.31*	
		For >5,000 To 10,000, Add	*0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	40.87	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*3.77*	
		For 140 MPH Wind Load, Add	*1.57*	
		For Up To 1,500, Add	*10.22*	
		For >1,500 To 5,000, Add	*6.13*	
		For >5,000 To 10,000, Add	*1.02*	
07 61 19 00-0006		Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	36.94	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For Panels <16" Wide, Add	*3.43*	
		For 140 MPH Wind Load, Add	*1.42*	
		For Up To 1,500, Add	*9.24*	
		For >1,500 To 5,000, Add	*5.54*	
		For >5,000 To 10,000, Add	*0.92*	
		For Tin/Copper, Deduct	*-0.57*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	44.89	4.47
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For Panels <16" Wide, Add	*3.90*	
		For 140 MPH Wind Load, Add	*1.61*	
		For Up To 1,500, Add	*11.22*	
		For >1,500 To 5,000, Add	*6.73*	
		For >5,000 To 10,000, Add	*1.12*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	50.33	4.68
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For Panels <16" Wide, Add	*4.25*	
		For 140 MPH Wind Load, Add	*1.75*	
		For Up To 1,500, Add	*12.58*	
		For >1,500 To 5,000, Add	*7.55*	
		For >5,000 To 10,000, Add	*1.26*	
		For Tin/Copper, Deduct	*-0.82*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	62.76	4.90
		For Steep Roof, Over 6 To 12, Add	*2.94*	
		For Panels <16" Wide, Add	*4.95*	
		For 140 MPH Wind Load, Add	*2.04*	
		For Up To 1,500, Add	*15.69*	
		For >1,500 To 5,000, Add	*9.41*	
		For >5,000 To 10,000, Add	*1.57*	
		For Tin/Copper, Deduct	*-1.06*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	26.14	6.68
		For Up To 100, Add	*6.54*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	33.85	6.68
		For Up To 100, Add	*8.46*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	30.62	6.54
		For Up To 100, Add	*7.66*	
		For >500 To 2,000, Deduct	*-4.24*	
		For >2,000, Deduct	*-5.12*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.58*	
		For Wrap Around Window Panning, Add	*12.92*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	31.65	6.68
		For Up To 100, Add	*7.91*	
		For >500 To 2,000, Deduct	*-4.38*	
		For >2,000, Deduct	*-5.29*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.70*	
		For Wrap Around Window Panning, Add	*13.51*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	35.92	7.13
		For Up To 100, Add	*8.98*	
		For >500 To 2,000, Deduct	*-4.95*	
		For >2,000, Deduct	*-6.04*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.83*	
		For Wrap Around Window Panning, Add	*14.15*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	43.88	7.43
		For Up To 100, Add	*10.97*	
		For >500 To 2,000, Deduct	*-6.00*	
		For >2,000, Deduct	*-7.45*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.97*	
		For Wrap Around Window Panning, Add	*14.86*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0011		**Stainless Steel Flashing And Trim** *(07 62 13 00-0010)*		
07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	12.75	3.57
		For Up To 100, Add	*3.19*	
		For Wrap Around Window Panning, Add	*9.17*	
		For Mechanically Keyed Flashing, Add	*1.43*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	13.78	4.01
		For Up To 100, Add	*3.45*	
		For Wrap Around Window Panning, Add	*9.31*	
		For Mechanically Keyed Flashing, Add	*1.79*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	14.84	4.46
		For Up To 100, Add	*3.71*	
		For Wrap Around Window Panning, Add	*9.48*	
		For Mechanically Keyed Flashing, Add	*2.14*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	16.48	4.90
		For Up To 100, Add	*4.12*	
		For Wrap Around Window Panning, Add	*9.78*	
		For Mechanically Keyed Flashing, Add	*2.68*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	19.25	5.20
		For Up To 100, Add	*4.81*	
		For Wrap Around Window Panning, Add	*10.32*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	21.00	5.46
		For Up To 100, Add	*5.25*	
		For Wrap Around Window Panning, Add	*10.92*	
		For Mechanically Keyed Flashing, Add	*4.03*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	22.48	5.80
		For Up To 100, Add	*5.62*	
		For Wrap Around Window Panning, Add	*11.56*	
		For Mechanically Keyed Flashing, Add	*4.37*	
07 62 13 00-0019		**Aluminum Flashing And Trim** *(07 62 13)*		
07 62 13 00-0020		**Aluminum Flashing And Trim** *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	14.56	4.61
		For Up To 100, Add	*3.64*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	15.50	4.61
		For Up To 100, Add	*3.88*	
		For Baked Aluminum Colors, Add	*0.53*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	16.25	4.61
		For Up To 100, Add	*4.06*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	17.33	4.61
		For Up To 100, Add	*4.33*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	18.84	4.61
		For Up To 100, Add	*4.71*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	19.77	4.61
		For Up To 100, Add	*4.94*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	20.52	4.61
		For Up To 100, Add	*5.13*	
		For Baked Aluminum Colors, Add	*1.03*	
		For Wrap Around Window Panning, Add	*10.24*	
07 62 13 00-0028		**Steel Flashing And Trim** *(07 62 13)*		
07 62 13 00-0029		**Galvanized Steel Flashing And Trim** *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	14.13	4.46
		For Up To 100, Add	*3.53*	
		For Wrap Around Window Panning, Add	*9.48*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	14.68	4.90
		For Up To 100, Add	*3.67*	
		For Wrap Around Window Panning, Add	*9.78*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	15.61	5.20
		For Up To 100, Add	*3.90*	
		For Wrap Around Window Panning, Add	*10.32*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	16.59	5.46
		For Up To 100, Add	*4.15*	
		For Wrap Around Window Panning, Add	*10.92*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	17.91	5.80
		For Up To 100, Add	*4.48*	
		For Wrap Around Window Panning, Add	*11.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19		**Fabricated Gravel Stops and Fasciae** *(07 62)*		
07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.93	2.24
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.48	2.39
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.85	2.68
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.95	2.83
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.65	2.98
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.92	2.24
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.58	2.39
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.49	2.68
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.92	2.83
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.51	2.98
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.91	2.24
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.90	2.39
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.08	2.68
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.90	2.83
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.14	2.98
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.88	2.24
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.53	2.39
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.21	2.68
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.84	2.83
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.41	2.98
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.54	2.24
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.52	2.39
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.25	2.68
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.16	2.83
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.16	2.98
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.84	2.24
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.48	2.39
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.87	2.68
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.76	2.83
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	49.30	2.98
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.13	2.24
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.86	2.39
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.08	2.68
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	45.34	2.83
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	58.08	2.98
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.08	2.24
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.13	2.39
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.33	2.68
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	53.24	2.83
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	68.60	2.98
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	12.38	2.24
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	15.01	2.39
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.83	2.68
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	19.84	2.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	24.60	2.98
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	13.06	2.24
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.77	2.39
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.97	2.68
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	21.20	2.83
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	25.89	2.98
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.74	2.24
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.68	2.39
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	19.06	2.68
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	22.57	2.83
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	27.70	2.98
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	15.10	2.24
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	18.49	2.39
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	21.22	2.68
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	25.29	2.83
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	31.33	2.98
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	15.56	2.24
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	19.17	2.39
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	21.94	2.68
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	26.20	2.83
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	32.54	2.98
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	17.15	2.24
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	21.21	2.39
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	24.43	2.68
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	29.37	2.83
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	36.78	2.98
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	19.41	2.24
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	24.24	2.39
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	28.03	2.68
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	33.91	2.83
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	42.83	2.98
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	22.14	2.24
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	27.87	2.39
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	32.34	2.68
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	39.35	2.83
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	50.09	2.98
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.43	2.24
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.16	2.39
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.63	2.68
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.94	2.83
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.01	2.98
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.47	2.24
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.32	2.39
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.37	2.68
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.03	2.83
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.99	2.98
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.52	2.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.71	2.39
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.05	2.68
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.12	2.83
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.78	2.98
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.61	2.24
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.50	2.39
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.37	2.68
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.30	2.83
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.36	2.98
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.31	2.24
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.55	2.39
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.47	2.68
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.70	2.83
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	45.21	2.98
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.75	2.24
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.69	2.39
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.31	2.68
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.58	2.83
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	51.72	2.98
07 62 19 00-0138		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.24	2.24
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.34	2.39
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.83	2.68
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	47.55	2.83
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	61.02	2.98
07 62 19 00-0144		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.42	2.24
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.92	2.39
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	45.45	2.68
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	55.92	2.83
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	72.18	2.98
07 62 19 00-0150		**Galvanized Steel Drip Edge** *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		**Galvanized Steel Drip Edge** *(07 62 19 00-0150)*		
07 62 19 00-0152		**26 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	14.27	2.24
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	17.45	2.39
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	19.90	2.68
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	23.63	2.83
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	29.12	2.98
07 62 19 00-0158		**24 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	15.41	2.24
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.97	2.39
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	21.70	2.68
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	25.91	2.83
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	32.13	2.98
07 62 19 00-0164		**KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0150)*		
07 62 19 00-0165		**26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.68	2.24
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.02	2.39
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.30	2.68
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	30.43	2.83
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	38.19	2.98
07 62 19 00-0171		**24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	19.32	2.24
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.22	2.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.90	2.68
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	33.72	2.83
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	42.58	2.98
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	23.95	2.24
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	30.29	2.39
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	35.21	2.68
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	42.99	2.83
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	54.93	2.98
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	29.38	2.24
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	37.53	2.39
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	43.83	2.68
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	53.84	2.83
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	69.41	2.98
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	35.77	2.24
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	46.04	2.39
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	53.94	2.68
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	66.61	2.83
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	86.44	2.98

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001		Pitch Pockets *(07 63)*		
		Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*		
07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	107.08	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	128.53	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	155.85	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	170.80	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	184.91	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	216.23	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	
07 63 00 00-0009		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*		
07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	103.97	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	124.70	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	151.87	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	169.73	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	183.16	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	214.47	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	
07 63 00 00-0016		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*		

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	133.92	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	158.68	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	182.43	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	196.71	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	209.97	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	239.22	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	97.15	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	109.95	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	126.82	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	137.69	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	148.58	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	175.26	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	104.86	35.61
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	104.86	35.61
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	123.71	35.61
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	134.48	35.61
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	139.86	35.61
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	142.56	35.61
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	169.48	35.61
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	181.60	35.61

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	90.01	23.02
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	91.17	23.02
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	95.37	23.02
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	98.98	23.02

07 64 Sheet Metal Wall Cladding *(07 60)*

07 64 19 Flat Seam Sheet Metal Wall Cladding *(07 64)*

See CSI section 05 75 00 00-0000 for metal wall cladding.

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	17.14	2.83

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	11.98	4.02
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	15.54	4.31
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	19.54	4.76
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	23.79	5.36

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	51.84	12.35
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	60.39	13.83
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	66.61	14.87

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	37.24	3.22
		For Up To 25 LF, Add	*5.87*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	39.32	3.49
		For Up To 25 LF, Add	*6.26*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	44.73	3.67
		For Up To 25 LF, Add	*6.92*	
		For >25 To 100 LF, Add	*3.46*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	51.87	4.03
		For Up To 25 LF, Add	*7.87*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	62.45	4.20
		For Up To 25 LF, Add	*9.05*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.80	3.22
		For Up To 25 LF, Add	*5.13*	
		For >25 To 100 LF, Add	*2.56*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.83	3.49
		For Up To 25 LF, Add	*5.51*	
		For >25 To 100 LF, Add	*2.75*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.97	3.67
		For Up To 25 LF, Add	*6.15*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	44.00	4.03
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	54.38	4.20
		For Up To 25 LF, Add	*8.24*	
		For >25 To 100 LF, Add	*4.12*	
		For >1,000 LF, Deduct	*-0.70*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0016			0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0017		LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.25	3.22
			For Up To 25 LF, Add	*5.37*	
			For >25 To 100 LF, Add	*2.69*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0018		LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.43	3.49
			For Up To 25 LF, Add	*5.77*	
			For >25 To 100 LF, Add	*2.88*	
			For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0019		LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.05	3.67
			For Up To 25 LF, Add	*6.45*	
			For >25 To 100 LF, Add	*3.23*	
			For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0020		LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	47.73	4.03
			For Up To 25 LF, Add	*7.46*	
			For >25 To 100 LF, Add	*3.73*	
			For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0021		LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	59.12	4.20
			For Up To 25 LF, Add	*8.72*	
			For >25 To 100 LF, Add	*4.36*	
			For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0022			0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0023		LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.26	3.22
			For Up To 25 LF, Add	*5.57*	
			For >25 To 100 LF, Add	*2.79*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0024		LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.75	3.49
			For Up To 25 LF, Add	*6.00*	
			For >25 To 100 LF, Add	*3.00*	
			For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0025		LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.89	3.67
			For Up To 25 LF, Add	*6.84*	
			For >25 To 100 LF, Add	*3.42*	
			For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0026		LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	54.60	4.03
			For Up To 25 LF, Add	*8.14*	
			For >25 To 100 LF, Add	*4.07*	
			For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0027		LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	70.24	4.20
			For Up To 25 LF, Add	*9.83*	
			For >25 To 100 LF, Add	*4.91*	
			For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0028			KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030		LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.80	3.22
			For Up To 25 LF, Add	*6.23*	
			For >25 To 100 LF, Add	*3.11*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0031		LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.54	3.49
			For Up To 25 LF, Add	*6.68*	
			For >25 To 100 LF, Add	*3.34*	
			For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0032		LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	50.85	3.67
			For Up To 25 LF, Add	*7.53*	
			For >25 To 100 LF, Add	*3.77*	
			For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0033		LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.78	4.03
			For Up To 25 LF, Add	*8.76*	
			For >25 To 100 LF, Add	*4.38*	
			For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0034		LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	75.70	4.20
			For Up To 25 LF, Add	*10.37*	
			For >25 To 100 LF, Add	*5.19*	
			For >1,000 LF, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0035		**0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.34	3.22
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.31	3.49
		For Up To 25 LF, Add	*7.06*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	55.32	3.67
		For Up To 25 LF, Add	*7.98*	
		For >25 To 100 LF, Add	*3.99*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	66.19	4.03
		For Up To 25 LF, Add	*9.30*	
		For >25 To 100 LF, Add	*4.65*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	82.57	4.20
		For Up To 25 LF, Add	*11.06*	
		For >25 To 100 LF, Add	*5.53*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0041		**0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.25	3.22
		For Up To 25 LF, Add	*6.87*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	50.68	3.49
		For Up To 25 LF, Add	*7.39*	
		For >25 To 100 LF, Add	*3.70*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.88	3.67
		For Up To 25 LF, Add	*8.54*	
		For >25 To 100 LF, Add	*4.27*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	76.16	4.03
		For Up To 25 LF, Add	*10.30*	
		For >25 To 100 LF, Add	*5.15*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	98.70	4.20
		For Up To 25 LF, Add	*12.67*	
		For >25 To 100 LF, Add	*6.34*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 13 00-0047		**Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		**0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0047)*		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.92	3.22
		For Up To 25 LF, Add	*6.44*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.80	3.49
		For Up To 25 LF, Add	*6.90*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	53.53	3.67
		For Up To 25 LF, Add	*7.80*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	64.03	4.03
		For Up To 25 LF, Add	*9.09*	
		For >25 To 100 LF, Add	*4.54*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	79.82	4.20
		For Up To 25 LF, Add	*10.79*	
		For >25 To 100 LF, Add	*5.39*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.68	3.22
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.80	3.49
		For Up To 25 LF, Add	*7.30*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	58.27	3.67
		For Up To 25 LF, Add	*8.28*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	69.76	4.03
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	87.10	4.20
		For Up To 25 LF, Add	*11.51*	
		For >25 To 100 LF, Add	*5.76*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.77	3.22
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	53.37	3.49
		For Up To 25 LF, Add	*7.66*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	64.17	3.67
		For Up To 25 LF, Add	*8.87*	
		For >25 To 100 LF, Add	*4.43*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	80.32	4.03
		For Up To 25 LF, Add	*10.72*	
		For >25 To 100 LF, Add	*5.36*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	104.20	4.20
		For Up To 25 LF, Add	*13.22*	
		For >25 To 100 LF, Add	*6.61*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.51	2.54
		For Up To 25 LF, Add	*7.44*	
		For >25 To 100 LF, Add	*3.72*	
		For >1,000 LF, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.15	2.98
		For Up To 25 LF, Add	*8.14*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.83	3.28
		For Up To 25 LF, Add	*8.78*	
		For >25 To 100 LF, Add	*4.39*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.24	2.54
		For Up To 25 LF, Add	*7.71*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.99	2.98
		For Up To 25 LF, Add	*8.42*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.83	3.28
		For Up To 25 LF, Add	*9.08*	
		For >25 To 100 LF, Add	*4.54*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.79	2.54
		For Up To 25 LF, Add	*8.06*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.40	2.98
		For Up To 25 LF, Add	*8.76*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.61	3.28
		For Up To 25 LF, Add	*9.46*	
		For >25 To 100 LF, Add	*4.73*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	53.20	2.54
		For Up To 25 LF, Add	*8.30*	
		For >25 To 100 LF, Add	*4.15*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.90	2.98
		For Up To 25 LF, Add	*9.01*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	57.25	3.28
		For Up To 25 LF, Add	*9.72*	
		For >25 To 100 LF, Add	*4.86*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	29.39	2.54
		For Up To 25 LF, Add	*5.92*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	31.79	2.98
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	34.19	3.28
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	31.66	2.54
		For Up To 25 LF, Add	*6.15*	
		For >25 To 100 LF, Add	*3.08*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	33.76	2.98
		For Up To 25 LF, Add	*6.90*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	35.70	3.28
		For Up To 25 LF, Add	*7.57*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	33.93	2.54
		For Up To 25 LF, Add	*6.38*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	36.02	2.98
		For Up To 25 LF, Add	*7.12*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	38.16	3.28
		For Up To 25 LF, Add	*7.81*	
		For >25 To 100 LF, Add	*3.91*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.39	2.54
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	38.29	2.98
		For Up To 25 LF, Add	*7.35*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	39.98	3.28
		For Up To 25 LF, Add	*7.99*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.90	2.54
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.90	2.98
		For Up To 25 LF, Add	*9.01*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.70	3.28
		For Up To 25 LF, Add	*9.67*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.18	2.54
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.32	2.98
		For Up To 25 LF, Add	*9.35*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.28	3.28
		For Up To 25 LF, Add	*10.02*	
		For >25 To 100 LF, Add	*5.01*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.44	2.54
		For Up To 25 LF, Add	*9.03*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.40	2.98
		For Up To 25 LF, Add	*9.76*	
		For >25 To 100 LF, Add	*4.88*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	64.06	3.28
		For Up To 25 LF, Add	*10.40*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	63.34	2.54
		For Up To 25 LF, Add	*9.32*	
		For >25 To 100 LF, Add	*4.66*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	65.40	2.98
		For Up To 25 LF, Add	*10.06*	
		For >25 To 100 LF, Add	*5.03*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	67.18	3.28
		For Up To 25 LF, Add	*10.71*	
		For >25 To 100 LF, Add	*5.36*	
		For >1,000 LF, Deduct	*-1.00*	

07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.17	2.68
		For Up To 25 LF, Add	*8.30*	
		For >25 To 100 LF, Add	*4.15*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.47	3.20
		For Up To 25 LF, Add	*9.22*	
		For >25 To 100 LF, Add	*4.61*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.20	3.66
		For Up To 25 LF, Add	*10.14*	
		For >25 To 100 LF, Add	*5.07*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.89	2.68
		For Up To 25 LF, Add	*8.57*	
		For >25 To 100 LF, Add	*4.28*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.31	3.20
		For Up To 25 LF, Add	*9.51*	
		For >25 To 100 LF, Add	*4.75*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	60.20	3.66
		For Up To 25 LF, Add	*10.44*	
		For >25 To 100 LF, Add	*5.22*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.45	2.68
		For Up To 25 LF, Add	*8.93*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.72	3.20
		For Up To 25 LF, Add	*9.85*	
		For >25 To 100 LF, Add	*4.92*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.98	3.66
		For Up To 25 LF, Add	*10.81*	
		For >25 To 100 LF, Add	*5.41*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	58.86	2.68
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	62.22	3.20
		For Up To 25 LF, Add	*10.10*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	66.62	3.66
		For Up To 25 LF, Add	*11.08*	
		For >25 To 100 LF, Add	*5.54*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.14	2.68
		For Up To 25 LF, Add	*6.99*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.88	3.20
		For Up To 25 LF, Add	*7.86*	
		For >25 To 100 LF, Add	*3.93*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.99	3.66
		For Up To 25 LF, Add	*8.72*	
		For >25 To 100 LF, Add	*4.36*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.02	2.68
		For Up To 25 LF, Add	*7.18*	
		For >25 To 100 LF, Add	*3.59*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.84	3.20
		For Up To 25 LF, Add	*8.06*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.07	3.66
		For Up To 25 LF, Add	*8.92*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.47	2.68
		For Up To 25 LF, Add	*7.43*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.19	3.20
		For Up To 25 LF, Add	*8.30*	
		For >25 To 100 LF, Add	*4.15*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	47.53	3.66
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.14	2.68
		For Up To 25 LF, Add	*7.59*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.92	3.20
		For Up To 25 LF, Add	*8.47*	
		For >25 To 100 LF, Add	*4.23*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	49.35	3.66
		For Up To 25 LF, Add	*9.35*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	58.56	2.68
		For Up To 25 LF, Add	*9.14*	
		For >25 To 100 LF, Add	*4.57*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.22	3.20
		For Up To 25 LF, Add	*10.10*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.07	3.66
		For Up To 25 LF, Add	*11.02*	
		For >25 To 100 LF, Add	*5.51*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.83	2.68
		For Up To 25 LF, Add	*9.46*	
		For >25 To 100 LF, Add	*4.73*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.64	3.20
		For Up To 25 LF, Add	*10.44*	
		For >25 To 100 LF, Add	*5.22*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.65	3.66
		For Up To 25 LF, Add	*11.38*	
		For >25 To 100 LF, Add	*5.69*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.10	2.68
		For Up To 25 LF, Add	*9.89*	
		For >25 To 100 LF, Add	*4.95*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.72	3.20
		For Up To 25 LF, Add	*10.85*	
		For >25 To 100 LF, Add	*5.42*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	73.43	3.66
		For Up To 25 LF, Add	*11.76*	
		For >25 To 100 LF, Add	*5.88*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.99	2.68
		For Up To 25 LF, Add	*10.18*	
		For >25 To 100 LF, Add	*5.09*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	72.72	3.20
		For Up To 25 LF, Add	*11.15*	
		For >25 To 100 LF, Add	*5.57*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	76.55	3.66
		For Up To 25 LF, Add	*12.07*	
		For >25 To 100 LF, Add	*6.04*	
		For >1,000 LF, Deduct	*-1.10*	

07 71 19 00-0107 Stainless Steel Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0108 Stainless Steel Gravel Stop *(07 71 19 00-0107)*

07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*

07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	42.69	2.54
		For Up To 25 LF, Add	*7.25*	
		For >25 To 100 LF, Add	*3.63*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	55.95	2.98
		For Up To 25 LF, Add	*9.12*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	82.58	3.28
		For Up To 25 LF, Add	*12.25*	
		For >25 To 100 LF, Add	*6.13*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0113		**24 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	52.91	2.54
		For Up To 25 LF, Add	*8.28*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	69.57	2.98
		For Up To 25 LF, Add	*10.48*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	103.01	3.28
		For Up To 25 LF, Add	*14.30*	
		For >25 To 100 LF, Add	*7.15*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0117		**22 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	63.76	2.54
		For Up To 25 LF, Add	*9.36*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	84.05	2.98
		For Up To 25 LF, Add	*11.93*	
		For >25 To 100 LF, Add	*5.96*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	124.73	3.28
		For Up To 25 LF, Add	*16.47*	
		For >25 To 100 LF, Add	*8.23*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0121		**Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		**26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	50.35	2.68
		For Up To 25 LF, Add	*8.32*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	65.89	3.20
		For Up To 25 LF, Add	*10.47*	
		For >25 To 100 LF, Add	*5.23*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	95.34	3.66
		For Up To 25 LF, Add	*13.95*	
		For >25 To 100 LF, Add	*6.98*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0126		**24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	60.57	2.68
		For Up To 25 LF, Add	*9.34*	
		For >25 To 100 LF, Add	*4.67*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	79.51	3.20
		For Up To 25 LF, Add	*11.83*	
		For >25 To 100 LF, Add	*5.91*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	115.77	3.66
		For Up To 25 LF, Add	*15.99*	
		For >25 To 100 LF, Add	*8.00*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0130		**22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat** *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	71.42	2.68
		For Up To 25 LF, Add	*10.42*	
		For >25 To 100 LF, Add	*5.21*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	93.99	3.20
		For Up To 25 LF, Add	*13.28*	
		For >25 To 100 LF, Add	*6.64*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	137.49	3.66
		For Up To 25 LF, Add	*18.17*	
		For >25 To 100 LF, Add	*9.08*	
		For >1,000 LF, Deduct	*-1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.91	2.54
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	42.48	2.98
		For Up To 25 LF, Add	*7.77*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	44.33	3.28
		For Up To 25 LF, Add	*8.43*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	46.72	2.68
		For Up To 25 LF, Add	*7.95*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	50.00	3.20
		For Up To 25 LF, Add	*8.88*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	53.97	3.66
		For Up To 25 LF, Add	*9.81*	
		For >25 To 100 LF, Add	*4.91*	
		For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	67.76	2.54
		For Up To 25 LF, Add	*9.76*	
		For >25 To 100 LF, Add	*4.88*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	77.61	2.98
		For Up To 25 LF, Add	*11.28*	
		For >25 To 100 LF, Add	*5.64*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	89.64	3.28
		For Up To 25 LF, Add	*12.96*	
		For >25 To 100 LF, Add	*6.48*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	82.06	2.54
		For Up To 25 LF, Add	*11.19*	
		For >25 To 100 LF, Add	*5.60*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	95.09	2.98
		For Up To 25 LF, Add	*13.03*	
		For >25 To 100 LF, Add	*6.51*	
		For >1,000 LF, Deduct	*-0.88*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	108.71	3.28
		For Up To 25 LF, Add	*14.87*	
		For >25 To 100 LF, Add	*7.43*	
		For >1,000 LF, Deduct	*-1.00*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0159		LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	70.56	2.68
			For Up To 25 LF, Add	*10.34*	
			For >25 To 100 LF, Add	*5.17*	
			For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0160		LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	81.20	3.20
			For Up To 25 LF, Add	*12.00*	
			For >25 To 100 LF, Add	*6.00*	
			For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0161		LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	94.19	3.66
			For Up To 25 LF, Add	*13.84*	
			For >25 To 100 LF, Add	*6.92*	
			For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0162			16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163		LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	84.86	2.68
			For Up To 25 LF, Add	*11.77*	
			For >25 To 100 LF, Add	*5.88*	
			For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0164		LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	98.69	3.20
			For Up To 25 LF, Add	*13.75*	
			For >25 To 100 LF, Add	*6.87*	
			For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0165		LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	113.26	3.66
			For Up To 25 LF, Add	*15.74*	
			For >25 To 100 LF, Add	*7.87*	
			For >1,000 LF, Deduct	*-1.10*	
07 71 19 00-0166			Fascia *(07 71 19)*		
07 71 19 00-0167			Snap-On Cover Fascia *(07 71 19 00-0166)*		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169			KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170			24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171		LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	49.78	3.73
			For Up To 25 LF, Add	*7.96*	
			For >25 To 100 LF, Add	*3.98*	
			For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0172		LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	55.92	3.88
			For Up To 25 LF, Add	*8.70*	
			For >25 To 100 LF, Add	*4.35*	
			For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0173		LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	59.86	4.03
			For Up To 25 LF, Add	*9.21*	
			For >25 To 100 LF, Add	*4.60*	
			For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0174			Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175			Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176		EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	341.17	5.22
07 71 19 00-0177		EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	364.31	5.22
07 71 19 00-0178		EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	378.84	5.22
07 71 19 00-0179			Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180		EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	278.17	5.22
07 71 19 00-0181		EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	289.85	5.22
07 71 19 00-0182		EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	296.96	5.22
07 71 19 00-0183			Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184			KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185			0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.38	3.73
		For Up To 25 LF, Add	*5.62*	
		For >25 To 100 LF, Add	*2.81*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.67	3.88
		For Up To 25 LF, Add	*6.07*	
		For >25 To 100 LF, Add	*3.04*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.42	4.03
		For Up To 25 LF, Add	*6.36*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.62	3.73
		For Up To 25 LF, Add	*5.75*	
		For >25 To 100 LF, Add	*2.87*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.26	3.88
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.21	4.03
		For Up To 25 LF, Add	*6.54*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	161.01	5.22
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	174.38	5.22
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	180.23	5.22
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	128.04	5.22
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	134.70	5.22
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	137.62	5.22
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.16	3.73
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	34.05	3.88
		For Up To 25 LF, Add	*6.51*	
		For >25 To 100 LF, Add	*3.25*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	36.10	4.03
		For Up To 25 LF, Add	*6.83*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.65	3.73
		For Up To 25 LF, Add	*6.15*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.96	3.88
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.78*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	38.24	4.03
		For Up To 25 LF, Add	*7.04*	
		For >25 To 100 LF, Add	*3.52*	
		For >1,000 LF, Deduct	*-0.81*	

07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*

07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	198.65	5.22
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	215.37	5.22
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	222.68	5.22

07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	157.44	5.22
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	165.77	5.22
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	169.41	5.22

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts *(07 71 23)*

07 71 23 00-0002 Aluminum Gutters *(07 71 23 00-0001)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	12.20	5.49
		For Up To 100', Add	*2.58*	
		For >100' To 250', Add	*1.06*	
		For >1,000', Deduct	*-0.91*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.41*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	13.52	5.80
		For Up To 100', Add	*2.78*	
		For >100' To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.95*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.80*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	12.65	5.49
		For Up To 100', Add	*2.62*	
		For >100' To 250', Add	*1.09*	
		For >1,000', Deduct	*-0.91*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.62*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	14.10	5.80
		For Up To 100', Add	*2.84*	
		For >100' To 250', Add	*1.18*	
		For >1,000', Deduct	*-0.95*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.07*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	25.08	6.09
		For Up To 100', Add	*4.05*	
		For >100' To 250', Add	*1.77*	
		For >1,000', Deduct	*-1.03*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.67*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	27.50	6.83
		For Up To 100', Add	*4.44*	
		For >100' To 250', Add	*1.94*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.29*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	30.63	6.83
		For Up To 100', Add	*4.76*	
		For >100' To 250', Add	*2.10*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.70*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	21.27	5.49
		For Up To 100', Add	*3.49*	
		For >100' To 250', Add	*1.52*	
		For >1,000', Deduct	*-0.91*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.49*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.40	5.80
		For Up To 100', Add	*3.97*	
		For >100' To 250', Add	*1.75*	
		For >1,000', Deduct	*-0.95*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.15*	
07 71 23 00-0014		**Box Style Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	22.62	6.83
		For Up To 100', Add	*3.96*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.10*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	22.67	6.83
		For Up To 100', Add	*3.96*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.12*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	26.22	7.28
		For Up To 100', Add	*4.43*	
		For >100' To 250', Add	*1.91*	
		For >1,000', Deduct	*-1.20*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.38*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	29.48	7.72
		For Up To 100', Add	*4.87*	
		For >100' To 250', Add	*2.11*	
		For >1,000', Deduct	*-1.28*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.52*	
07 71 23 00-0019		**Aluminum Gutter End Caps** *(07 71 23 00-0001)*		
07 71 23 00-0020		**K-Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	4.06	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.49*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.95	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.89*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.35	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	12.00	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.06*	
07 71 23 00-0025		**Half Round, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.33	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.51*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.61	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.99*	
07 71 23 00-0028		**Box Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	11.26	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.73*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	12.20	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.15*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	14.26	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.08*	
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)*		
		Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	23.65	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.89*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	30.99	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.72*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	89.02	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*32.37*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	96.60	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*35.24*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	39.50	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*11.02*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	61.15	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	72.42	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*25.37*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	107.01	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*40.46*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	116.18	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*44.06*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	17.53	3.71
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.41*	
		For 0.024" Thick, Add	*1.37*	
		For 0.027" Thick, Add	*2.84*	
		For 0.031" Thick, Add	*4.11*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	25.77	3.71
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 0.024" Thick, Add	*2.52*	
		For 0.027" Thick, Add	*5.23*	
		For 0.031" Thick, Add	*7.57*	

07 71 23 00-0048 Aluminum Downspouts *(07 71 23 00-0001)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0049 Round Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	8.17	3.57
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.94*	
		For 0.024" Thick, Add	*0.60*	
		For 0.027" Thick, Add	*1.25*	
		For 0.031" Thick, Add	*1.81*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	9.18	3.57
		For Up To 100', Add	*1.50*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.39*	
		For 0.024" Thick, Add	*0.74*	
		For 0.027" Thick, Add	*1.54*	
		For 0.031" Thick, Add	*2.23*	

07 71 23 00-0052 Rectangular Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	6.07	3.57
		For Up To 100', Add	*1.19*	
		For >100 To 250', Add	*0.50*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.99*	
		For 0.024" Thick, Add	*0.31*	
		For 0.027" Thick, Add	*0.64*	
		For 0.031" Thick, Add	*0.93*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.35	3.57
		For Up To 100', Add	*1.31*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.57*	
		For 0.024" Thick, Add	*0.49*	
		For 0.027" Thick, Add	*1.01*	
		For 0.031" Thick, Add	*1.47*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.76	3.57
		For Up To 100', Add	*1.86*	
		For >100 To 250', Add	*0.83*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.01*	
		For 0.024" Thick, Add	*1.25*	
		For 0.027" Thick, Add	*2.58*	
		For 0.031" Thick, Add	*3.74*	

07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	344.06	33.47
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*104.63*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	261.74	37.18
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*84.32*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0061		**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	19.94	5.20
		For Up To 100', Add	*3.29*	
		For >100' To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	27.46	5.49
		For Up To 100', Add	*4.11*	
		For >100' To 250', Add	*1.83*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	32.43	5.80
		For Up To 100', Add	*4.67*	
		For >100' To 250', Add	*2.10*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	34.07	5.49
		For Up To 100', Add	*4.77*	
		For >100' To 250', Add	*2.16*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	41.79	5.80
		For Up To 100', Add	*5.61*	
		For >100' To 250', Add	*2.57*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	48.59	6.09
		For Up To 100', Add	*6.40*	
		For >100' To 250', Add	*2.94*	
		For >1,000', Deduct	*-1.03*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	53.99	6.83
		For Up To 100', Add	*7.09*	
		For >100' To 250', Add	*3.26*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0069		**Half Round Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	24.01	5.49
		For Up To 100', Add	*3.76*	
		For >100' To 250', Add	*1.65*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	29.86	5.80
		For Up To 100', Add	*4.41*	
		For >100' To 250', Add	*1.97*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	48.57	6.09
		For Up To 100', Add	*6.39*	
		For >100' To 250', Add	*2.94*	
		For >1,000', Deduct	*-1.03*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	27.62	5.49
		For Up To 100', Add	*4.12*	
		For >100' To 250', Add	*1.83*	
		For >1,000', Deduct	*-0.91*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	33.70	5.80
		For Up To 100', Add	*4.80*	
		For >100' To 250', Add	*2.16*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	50.91	6.09
		For Up To 100', Add	*6.63*	
		For >100' To 250', Add	*3.06*	
		For >1,000', Deduct	*-1.03*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	57.74	6.83
		For Up To 100', Add	*7.47*	
		For >100' To 250', Add	*3.45*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0077		**Box Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	30.29	6.24
		For Up To 100', Add	*4.59*	
		For >100' To 250', Add	*2.03*	
		For >1,000', Deduct	*-1.04*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	32.88	6.83
		For Up To 100', Add	*4.98*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	39.60	7.28
		For Up To 100', Add	*5.77*	
		For >100' To 250', Add	*2.58*	
		For >1,000', Deduct	*-1.20*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	40.48	7.72
		For Up To 100', Add	*5.97*	
		For >100' To 250', Add	*2.66*	
		For >1,000', Deduct	*-1.28*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	33.82	6.24
		For Up To 100', Add	*4.94*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	36.40	6.83
		For Up To 100', Add	*5.33*	
		For >100' To 250', Add	*2.38*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	43.13	7.28
		For Up To 100', Add	*6.12*	
		For >100' To 250', Add	*2.76*	
		For >1,000', Deduct	*-1.20*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	44.01	7.72
		For Up To 100', Add	*6.32*	
		For >100' To 250', Add	*2.84*	
		For >1,000', Deduct	*-1.28*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.87
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.31
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.74
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.29
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.34

07 71 23 00-0093 Half Round, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	8.15
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	9.07
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.30
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	38.46
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	45.28

07 71 23 00-0099 Box Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	14.96
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	15.66
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.37
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	17.78

07 71 23 00-0104 Copper Gutter Miters *(07 71 23 00-0059)*

Note: Inside or outside miters.

07 71 23 00-0105 K-Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	42.91
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	48.40
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	68.22
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	95.04
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	111.04

07 71 23 00-0111 Half Round, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	64.96
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	60.62
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	85.90
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	101.91
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	119.93

07 71 23 00-0117 Box Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	71.36
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	73.81
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	80.49
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	82.33
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	78.41
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	80.86
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	87.54
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	95.78

07 71 23 00-0126 Copper Gutter Wire Strainers *(07 71 23 00-0059)*

07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	22.55	3.71
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	27.42	3.71
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	43.31	3.71
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	57.14	3.71
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	68.73	3.71

07 71 23 00-0132 Copper Downspouts *(07 71 23 00-0059)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0133 Round Copper Downspouts *(07 71 23 00-0132)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	26.22	3.57
		For Up To 100', Add	*3.20*	
		For >100 To 250', Add	*1.50*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	18.59	3.57
		For Up To 100', Add	*2.44*	
		For >100 To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	23.15	3.57
		For Up To 100', Add	*2.89*	
		For >100 To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	36.36	3.57
		For Up To 100', Add	*4.22*	
		For >100 To 250', Add	*2.01*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	46.44	3.57
		For Up To 100', Add	*5.22*	
		For >100 To 250', Add	*2.52*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	24.77	3.57
		For Up To 100', Add	*3.06*	
		For >100 To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	31.82	3.57
		For Up To 100', Add	*3.76*	
		For >100 To 250', Add	*1.78*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	47.82	3.57
		For Up To 100', Add	*5.36*	
		For >100 To 250', Add	*2.58*	
		For >1,000', Deduct	*-0.39*	

07 71 23 00-0142 Square Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	13.21	3.57
		For Up To 100', Add	*1.90*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	16.24	3.57
		For Up To 100', Add	*2.20*	
		For >100 To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	22.78	3.57
		For Up To 100', Add	*2.86*	
		For >100 To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	15.08	3.57
		For Up To 100', Add	*2.09*	
		For >100 To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	18.86	3.57
		For Up To 100', Add	*2.47*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	26.63	3.57
		For Up To 100', Add	*3.24*	
		For >100 To 250', Add	*1.52*	
		For >1,000', Deduct	*-0.39*	

07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.06	3.57
		For Up To 100', Add	*2.49*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	23.83	3.57
		For Up To 100', Add	*2.96*	
		For >100 To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	33.44	3.57
		For Up To 100', Add	*3.92*	
		For >100 To 250', Add	*1.87*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.02	3.57
		For Up To 100', Add	*2.78*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	27.93	3.57
		For Up To 100', Add	*3.37*	
		For >100 To 250', Add	*1.59*	
		For >1,000', Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	39.63	3.57
		For Up To 100', Add	*4.54*	
		For >100 To 250', Add	*2.17*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0156		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	238.84	33.47
07 71 23 00-0158	EA	Copper Leader/Conductor Head	316.71	37.18
07 71 23 00-0159	EA	Copper Eave Box	143.57	22.29
07 71 23 00-0160		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0161		**Galvanized Steel Gutters** *(07 71 23 00-0160)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162		**K-Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	16.14	5.49
		For Up To 100', Add	*2.97*	
		For >100' To 250', Add	*1.26*	
		For >1,000', Deduct	*-0.91*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.19*	
		For 24 Gauge, Add	*1.98*	
		For 22 Gauge, Add	*3.89*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	18.75	5.80
		For Up To 100', Add	*3.30*	
		For >100' To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.95*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.16*	
		For 24 Gauge, Add	*2.59*	
		For 22 Gauge, Add	*5.08*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	38.67	6.09
		For Up To 100', Add	*5.40*	
		For >100' To 250', Add	*2.45*	
		For >1,000', Deduct	*-1.03*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.79*	
		For 24 Gauge, Add	*7.96*	
		For 22 Gauge, Add	*15.63*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	40.79	6.83
		For Up To 100', Add	*5.77*	
		For >100' To 250', Add	*2.60*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.28*	
		For 24 Gauge, Add	*8.26*	
		For 22 Gauge, Add	*16.23*	
07 71 23 00-0167		**Half Round Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	23.45	5.49
		For Up To 100', Add	*3.70*	
		For >100' To 250', Add	*1.63*	
		For >1,000', Deduct	*-0.91*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.48*	
		For 24 Gauge, Add	*4.03*	
		For 22 Gauge, Add	*7.91*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	29.51	5.80
		For Up To 100', Add	*4.38*	
		For >100' To 250', Add	*1.95*	
		For >1,000', Deduct	*-0.95*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.00*	
		For 24 Gauge, Add	*5.60*	
		For 22 Gauge, Add	*11.00*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	73.96	6.09
		For Up To 100', Add	*8.93*	
		For >100' To 250', Add	*4.21*	
		For >1,000', Deduct	*-1.03*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*28.67*	
		For 24 Gauge, Add	*17.84*	
		For 22 Gauge, Add	*35.04*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	78.92	6.83
		For Up To 100', Add	*9.59*	
		For >100' To 250', Add	*4.51*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*30.43*	
		For 24 Gauge, Add	*18.94*	
		For 22 Gauge, Add	*37.20*	
07 71 23 00-0172		**Box Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	28.05	6.24
		For Up To 100', Add	*4.37*	
		For >100' To 250', Add	*1.92*	
		For >1,000', Deduct	*-1.04*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.94*	
		For 22 Gauge, Add	*3.88*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	32.90	6.83
		For Up To 100', Add	*4.98*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-1.13*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.72*	
		For 22 Gauge, Add	*4.75*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	41.48	6.09
		For Up To 100', Add	*5.69*	
		For >100' To 250', Add	*2.59*	
		For >1,000', Deduct	*-1.03*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*14.05*	
		For 22 Gauge, Add	*6.87*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	46.11	7.72
		For Up To 100', Add	*6.53*	
		For >100' To 250', Add	*2.94*	
		For >1,000', Deduct	*-1.28*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*15.00*	
		For 22 Gauge, Add	*7.33*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	7.21	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.91*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	8.33	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.41*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	18.22	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.86*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	26.49	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.58*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	9.31	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.85*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	10.73	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.49*	
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	20.12	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.72*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	27.24	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.92*	

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	16.80	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.22*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	20.26	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.78*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	22.71	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.88*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	30.47	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.38*	

07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	43.74	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.93*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	71.02	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*24.74*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	113.76	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.50*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	127.89	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	

07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	59.98	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.24*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	67.43	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*23.12*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	191.80	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*78.62*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	202.70	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*82.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0204		**Box Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	56.73	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*18.77*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	92.52	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*34.41*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	120.23	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*46.41*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	127.89	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	
07 71 23 00-0209		**Galvanized Steel Gutter Wire Strainers** *(07 71 23 00-0160)*		
07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	15.53	3.71
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.51*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	22.18	3.71
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.50*	
07 71 23 00-0212		**Galvanized Steel Downspouts** *(07 71 23 00-0160)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	9.03	3.57
		For Up To 100', Add	*1.48*	
		For >100 To 250', Add	*0.64*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.33*	
		For 24 Gauge, Add	*1.45*	
		For 22 Gauge, Add	*2.84*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	11.24	3.57
		For Up To 100', Add	*1.70*	
		For >100 To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
		For 24 Gauge, Add	*2.07*	
		For 22 Gauge, Add	*4.06*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	15.33	3.57
		For Up To 100', Add	*2.11*	
		For >100 To 250', Add	*0.96*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.16*	
		For 24 Gauge, Add	*3.21*	
		For 22 Gauge, Add	*6.31*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	34.20	3.57
		For Up To 100', Add	*4.00*	
		For >100 To 250', Add	*1.90*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.65*	
		For 24 Gauge, Add	*8.50*	
		For 22 Gauge, Add	*16.69*	
07 71 23 00-0218		**Square Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	10.26	3.57
		For Up To 100', Add	*1.61*	
		For >100 To 250', Add	*0.71*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.88*	
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*3.52*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	13.17	3.57
		For Up To 100', Add	*1.90*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.19*	
		For 24 Gauge, Add	*2.61*	
		For 22 Gauge, Add	*5.12*	
07 71 23 00-0221		**Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	9.20	3.57
		For Up To 100', Add	*1.50*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.40*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	11.74	3.57
		For Up To 100', Add	*1.75*	
		For >100 To 250', Add	*0.78*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.55*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*4.33*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	21.89	3.57
		For Up To 100', Add	*2.77*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.39*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 24 Gauge, Add	*5.05*	
		For 22 Gauge, Add	*9.92*	

07 71 23 00-0225 Galvanized Steel Devices *(07 71 23 00-0160)*

07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	404.44	37.18
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*148.53*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	208.62	33.47
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.68*	

07 71 23 00-0228 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

07 71 23 00-0229 Stainless Steel Gutters *(07 71 23 00-0228)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0230 K-Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	39.63	5.49
		For Up To 100', Add	*5.32*	
		For >100' To 250', Add	*2.43*	
		For >1,000', Deduct	*-0.91*	
		For 316 Stainless Steel, Add	*11.62*	
		For 24 Gauge, Add	*10.09*	
		For 22 Gauge, Add	*20.18*	
		For 20 Gauge, Add	*30.26*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	47.73	5.80
		For Up To 100', Add	*6.20*	
		For >100' To 250', Add	*2.86*	
		For >1,000', Deduct	*-0.95*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.23*	
		For 20 Gauge, Add	*37.84*	

07 71 23 00-0233 Half Round, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	55.34	5.49
		For Up To 100', Add	*6.89*	
		For >100' To 250', Add	*3.22*	
		For >1,000', Deduct	*-0.91*	
		For 316 Stainless Steel, Add	*17.59*	
		For 24 Gauge, Add	*15.27*	
		For 22 Gauge, Add	*30.54*	
		For 20 Gauge, Add	*45.82*	
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	67.27	5.80
		For Up To 100', Add	*8.15*	
		For >100' To 250', Add	*3.84*	
		For >1,000', Deduct	*-0.95*	
		For 316 Stainless Steel, Add	*21.95*	
		For 24 Gauge, Add	*19.06*	
		For 22 Gauge, Add	*38.12*	
		For 20 Gauge, Add	*57.18*	

07 71 23 00-0236 Box Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	53.99	6.24
		For Up To 100', Add	*6.96*	
		For >100' To 250', Add	*3.22*	
		For >1,000', Deduct	*-1.04*	
		For 316 Stainless Steel, Add	*16.56*	
		For 24 Gauge, Add	*14.38*	
		For 22 Gauge, Add	*28.77*	
		For 20 Gauge, Add	*43.15*	
		For 18 Gauge, Add	*72.36*	
		For Seamless Gutter, Add	*-0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	66.05	6.83
		For Up To 100', Add	*8.30*	
		For >100' To 250', Add	*3.87*	
		For >1,000', Deduct	*-1.13*	
		For 316 Stainless Steel, Add	*20.81*	
		For 24 Gauge, Add	*18.07*	
		For 22 Gauge, Add	*36.14*	
		For 20 Gauge, Add	*54.21*	
		For 18 Gauge, Add	*90.90*	
		For Seamless Gutter, Add	*-1.04*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	78.21	7.28
		For Up To 100', Add	*9.63*	
		For >100' To 250', Add	*4.51*	
		For >1,000', Deduct	*-1.20*	
		For 316 Stainless Steel, Add	*25.14*	
		For 24 Gauge, Add	*21.84*	
		For 22 Gauge, Add	*43.67*	
		For 20 Gauge, Add	*65.51*	
		For 18 Gauge, Add	*109.84*	
		For Seamless Gutter, Add	*-1.50*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	85.08	7.72
		For Up To 100', Add	*10.43*	
		For >100' To 250', Add	*4.89*	
		For >1,000', Deduct	*-1.28*	
		For 316 Stainless Steel, Add	*27.47*	
		For 24 Gauge, Add	*23.86*	
		For 22 Gauge, Add	*47.72*	
		For 20 Gauge, Add	*71.58*	
		For 18 Gauge, Add	*120.02*	
		For Seamless Gutter, Add	*-1.70*	

07 71 23 00-0241 Stainless Steel Gutter End Caps *(07 71 23 00-0228)*

07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	12.53	
		For 316 Stainless Steel, Add	*3.63*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	14.44	
		For 316 Stainless Steel, Add	*4.36*	

07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	14.92	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	17.31	
		For 316 Stainless Steel, Add	*5.45*	

07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	15.66	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	18.05	
		For 316 Stainless Steel, Add	*5.45*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	18.95	
		For 316 Stainless Steel, Add	*5.89*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	23.03	
		For 316 Stainless Steel, Add	*7.25*	

07 71 23 00-0253 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	64.41	
		For 316 Stainless Steel, Add	*18.77*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	103.70	
		For 316 Stainless Steel, Add	*33.31*	

07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	160.03	
		For 316 Stainless Steel, Add	*55.11*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	196.06	
		For 316 Stainless Steel, Add	*68.40*	

07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	74.29	
		For 316 Stainless Steel, Add	*22.53*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	121.23	
		For 316 Stainless Steel, Add	*39.97*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	139.80	
		For 316 Stainless Steel, Add	*46.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	158.52	
		For 316 Stainless Steel, Add	*53.29*	
07 71 23 00-0265		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	49.68	3.71
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	50.82	3.71
07 71 23 00-0268		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269		**Round Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	23.61	3.57
		For Up To 100', Add	*2.94*	
		For >100 To 250', Add	*1.37*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*7.51*	
		For 24 Gauge, Add	*6.52*	
		For 22 Gauge, Add	*13.04*	
		For 20 Gauge, Add	*19.55*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	31.27	3.57
		For Up To 100', Add	*3.71*	
		For >100 To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*10.42*	
		For 24 Gauge, Add	*9.05*	
		For 22 Gauge, Add	*18.09*	
		For 20 Gauge, Add	*27.14*	
07 71 23 00-0272	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	45.74	3.57
		For Up To 100', Add	*5.15*	
		For >100 To 250', Add	*2.48*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*15.91*	
		For 24 Gauge, Add	*13.82*	
		For 22 Gauge, Add	*27.64*	
		For 20 Gauge, Add	*41.46*	
07 71 23 00-0273		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0274	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	24.18	3.57
		For Up To 100', Add	*3.00*	
		For >100 To 250', Add	*1.40*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*7.72*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*13.41*	
		For 20 Gauge, Add	*20.12*	
		For 18 Gauge, Add	*33.73*	
07 71 23 00-0275	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	32.42	3.57
		For Up To 100', Add	*3.82*	
		For >100 To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*10.85*	
		For 24 Gauge, Add	*9.42*	
		For 22 Gauge, Add	*18.85*	
		For 20 Gauge, Add	*28.27*	
		For 18 Gauge, Add	*47.41*	
07 71 23 00-0276	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	42.06	3.57
		For Up To 100', Add	*4.79*	
		For >100 To 250', Add	*2.30*	
		For >1,000', Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.21*	
		For 20 Gauge, Add	*37.82*	
		For 18 Gauge, Add	*63.41*	
07 71 23 00-0277		**Stainless Steel Devices** *(07 71 23 00-0228)*		
07 71 23 00-0278	EA	Thru-Wall Stainless Steel Scupper Outlet	291.45	33.43
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279	EA	Stainless Steel Leader/Conductor Head	536.38	33.43
		For 316 Stainless Steel, Add	*175.60*	
07 71 23 00-0280		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0281		**Vinyl Gutters** *(07 71 23 00-0280)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282		**K-Style Vinyl Gutters** *(07 71 23 00-0281)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0283	LF	4", K-Style Vinyl Gutter	13.24	3.71
		For Up To 100', Add	*2.25*	
		For >100' To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.62*	
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter	16.87	3.71
		For Up To 100', Add	*2.62*	
		For >100' To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.62*	
07 71 23 00-0285		**Half Round Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0286	LF	4", Half Round Vinyl Gutter	13.66	3.71
		For Up To 100', Add	*2.30*	
		For >100' To 250', Add	*0.99*	
		For >1,000', Deduct	*-0.62*	
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter	14.32	3.71
		For Up To 100', Add	*2.36*	
		For >100' To 250', Add	*1.03*	
		For >1,000', Deduct	*-0.62*	
07 71 23 00-0288		**Vinyl Gutter End Caps** *(07 71 23 00-0280)*		
07 71 23 00-0289		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	8.08	
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	11.09	
07 71 23 00-0292		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	9.19	
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	8.69	
07 71 23 00-0295		**Vinyl Gutter Miters** *(07 71 23 00-0280)*		
		Note: Inside or outside miters.		
07 71 23 00-0296		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	19.89	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	29.60	
07 71 23 00-0299		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	19.89	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	21.56	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	8.67	3.57
		For Up To 100', Add	*1.45*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	9.02	3.57
		For Up To 100', Add	*1.48*	
		For >100 To 250', Add	*0.64*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	8.52	3.57
		For Up To 100', Add	*1.43*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	10.79	3.57
		For Up To 100', Add	*1.66*	
		For >100 To 250', Add	*0.73*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	357.54	5.35
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	466.09	5.35
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	556.34	5.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0315		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)*		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	617.81	5.35
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	754.79	5.35
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,369.90	5.35
07 71 23 00-0319		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0320	EA	3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,236.72	33.67
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0321	EA	4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,259.16	44.89
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0322	EA	6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,350.60	57.77
		For Polished Brass Finish (-PB), Add	*123.50*	
		For Chrome Plated Finish (-CP), Add	*185.26*	
		For Vandal Proof (-U), Add	*61.75*	
07 71 23 00-0323	EA	8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,440.38	72.95
		For Polished Brass Finish (-PB), Add	*129.45*	
		For Chrome Plated Finish (-CP), Add	*194.17*	
		For Vandal Proof (-U), Add	*64.72*	
07 71 23 00-0324	EA	10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,549.50	89.88
		For Polished Brass Finish (-PB), Add	*136.98*	
		For Chrome Plated Finish (-CP), Add	*205.46*	
		For Vandal Proof (-U), Add	*68.49*	
07 71 23 00-0325	EA	12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,703.91	125.48
		For Polished Brass Finish (-PB), Add	*145.30*	
		For Chrome Plated Finish (-CP), Add	*217.94*	
		For Vandal Proof (-U), Add	*72.65*	
07 71 23 00-0326	EA	15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,884.03	174.50
		For Polished Brass Finish (-PB), Add	*153.50*	
		For Chrome Plated Finish (-CP), Add	*230.25*	
		For Vandal Proof (-U), Add	*76.75*	
07 71 23 00-0327		**Wall Mounted Downspout Nozzle** *(07 71 23)*		
07 71 23 00-0328	EA	3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	319.78	33.67
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0329	EA	4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	342.22	44.89
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0330	EA	6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	714.40	57.77
		For Nickel Bronze Finish (-NB), Add	*179.65*	
		For Polished Bronze Finish (-PB), Add	*101.80*	
		For Chrome Plated Finish (-CP), Add	*263.49*	
07 71 23 00-0331	EA	8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,054.93	72.95
		For Nickel Bronze Finish (-NB), Add	*154.53*	
		For Polished Bronze Finish (-PB), Add	*118.17*	
		For Chrome Plated Finish (-CP), Add	*263.62*	
07 71 23 00-0332	EA	10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,359.89	89.88
		For Nickel Bronze Finish (-NB), Add	*200.62*	
		For Polished Bronze Finish (-PB), Add	*153.42*	
		For Chrome Plated Finish (-CP), Add	*342.24*	
07 71 23 00-0333	EA	12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,735.60	125.48
		For Nickel Bronze Finish (-NB), Add	*252.39*	
		For Polished Bronze Finish (-PB), Add	*193.00*	
		For Chrome Plated Finish (-CP), Add	*430.55*	
07 71 23 00-0334		**Leaf Guards And Cleaning** *(07 71 23)*		
07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	5.10	1.15
		For Up To 100', Add	*0.85*	
		For >100' To 250', Add	*0.37*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.54	1.15
		For Up To 100', Add	*0.70*	
		For >100' To 250', Add	*0.29*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.38	1.43
		For Up To 100', Add	*2.17*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.65	1.43
		For Up To 100', Add	*2.90*	
		For >100' To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.29*	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.24	1.43
		For Up To 100', Add	*1.67*	
		For >100' To 250', Add	*0.78*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.21	1.43
		For Up To 100', Add	*2.36*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0341	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	201.74	
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.36	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.65	6.64
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.83	6.64
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.13	6.64
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.29	6.64
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.95	6.64
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	22.71	6.64

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.52	6.64
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.78	6.64
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.22	6.64
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	24.89	6.64
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.85	6.64
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	26.95	6.64

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.26	6.64
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.89	6.64
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.52	6.64
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.97	6.64
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.98	6.64
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	21.45	6.64

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.82	6.64
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.22	6.64
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.62	6.64
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.91	6.64
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.56	6.64
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	18.50	6.64

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.96	6.64
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.55	6.64
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.13	6.64
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.55	6.64
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.49	6.64
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.84	6.64

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.03	6.64
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.33	6.64
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.76	6.64

07 71 26 00-0044 Copper Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0045 Copper Counter Flashing With Reglet *(07 71 26 00-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	52.72	6.64

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,141.90	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,157.84	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,261.71	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,322.83	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,368.01	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,644.64	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,163.16	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,264.36	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,298.91	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,312.20	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,602.11	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,753.83	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*298.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,386.62	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,517.07	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,546.30	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,698.01	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,825.79	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,974.84	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*332.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,546.30	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,668.78	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,823.13	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,849.71	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,004.07	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*138.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*338.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,176.45	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,184.42	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,288.28	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,357.38	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,407.88	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,676.53	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,187.08	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,336.12	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,389.27	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,450.40	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,644.64	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,806.98	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,418.51	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,543.64	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,586.17	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,740.54	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,876.28	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*317.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,033.31	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*344.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,586.17	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,711.30	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,868.31	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,902.86	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,062.54	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*350.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,195.05	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,203.02	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,301.57	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,378.64	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.11	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,713.74	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,203.02	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,301.57	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.11	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,500.90	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,676.53	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,841.53	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*315.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,439.77	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,483.16	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,612.74	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,772.43	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,908.17	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*324.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,070.52	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*144.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*351.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,612.74	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,740.54	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,902.86	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,937.41	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*329.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,102.41	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*147.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*358.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,112.66	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,147.21	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,309.54	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,389.27	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,447.74	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,756.26	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,211.00	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,330.81	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,357.38	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,381.30	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,692.48	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,860.13	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*319.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,450.40	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,583.51	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*268.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.03	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,788.38	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,924.12	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*327.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,089.12	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*355.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.03	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,753.83	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*298.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,918.81	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*326.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,956.01	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*138.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*333.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,123.67	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*150.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*362.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,136.58	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,176.45	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,349.41	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.11	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,508.87	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,766.89	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*305.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,245.55	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,373.33	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,407.88	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,439.77	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,756.26	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,937.21	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*140.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*334.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,498.24	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,636.66	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,687.16	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,852.16	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*317.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,998.54	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*342.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,174.17	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*155.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*372.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,687.16	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,822.93	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,993.22	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*341.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,033.09	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*145.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*349.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,214.03	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*159.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*380.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,155.18	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,197.71	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,373.33	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,469.01	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,548.74	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,851.94	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,272.12	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,418.51	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,466.35	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,476.98	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,804.10	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,990.36	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*345.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,530.13	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,567.12	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,727.03	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,900.00	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*327.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,046.37	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*147.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*351.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,232.64	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*160.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*384.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,727.03	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,870.76	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*321.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,038.40	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*350.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,086.24	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*151.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*359.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,272.50	498.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*164.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*392.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,096.18	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.88*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,242.25	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.09*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,419.37	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.72*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,536.00	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.05*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,699.72	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.00*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,310.07	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.66*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,508.30	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.30*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,609.78	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,684.30	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.71*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,884.53	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*140.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*328.96*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,892.58	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*236.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*525.77*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,661.44	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.93*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,864.15	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*148.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*334.47*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,200.75	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*176.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*397.00*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	950.97	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,060.48	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,119.48	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,112.67	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,128.56	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,263.04	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,124.02	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,283.46	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,475.24	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,242.61	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,365.74	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,520.63	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0182		**2 x 8 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	964.59	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,076.36	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,162.60	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,139.90	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,162.60	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,297.08	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,148.98	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,315.23	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,507.01	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,267.57	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,395.25	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,552.40	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0195		**2 x 10 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	973.67	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,092.25	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,167.14	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,155.79	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,183.02	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,319.77	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,164.87	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,335.65	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,527.43	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,283.46	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,413.40	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,575.09	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0208		**2 x 12 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	985.01	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,101.33	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,187.56	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,205.71	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,344.73	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,185.29	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,358.35	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,554.67	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,431.55	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0218		**Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0167)*		
07 72 13 00-0219		**2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	969.13	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,076.36	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,148.98	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,133.10	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,153.52	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,290.27	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,144.44	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,308.42	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,500.20	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,269.84	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,390.71	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,552.40	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	985.01	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,094.52	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,176.21	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,160.33	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,189.83	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,331.12	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,176.21	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,347.00	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,543.32	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,299.35	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,424.75	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,590.97	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	998.63	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,112.67	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,203.45	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,180.75	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,217.06	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,360.62	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,196.64	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,371.96	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,570.55	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,322.04	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,449.71	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,620.48	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0258		**2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs** *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,025.86	306.86
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,126.29	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,223.87	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,239.75	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,446.85	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,262.45	345.22
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,451.39	383.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,661.32	460.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,533.67	421.93
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	210.83	41.54
		For Curb Or Flange Base, Add	*233.99*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	253.29	46.00
		For Curb Or Flange Base, Add	*257.10*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	273.04	54.90
		For Curb Or Flange Base, Add	*285.85*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	527.54	60.83
		For Curb Or Flange Base, Add	*461.63*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	727.72	68.25
		For Curb Or Flange Base, Add	*499.90*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	878.62	74.18
		For Curb Or Flange Base, Add	*542.69*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,123.14	83.09
		For Curb Or Flange Base, Add	*665.04*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,857.32	111.27
		For Curb Or Flange Base, Add	*1,092.20*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	175.51	41.54
		For Curb Or Flange Base, Add	*215.62*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	217.74	46.00
		For Curb Or Flange Base, Add	*237.88*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	244.65	54.90
		For Curb Or Flange Base, Add	*265.58*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	427.60	60.83
		For Curb Or Flange Base, Add	*440.11*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	549.58	68.25
		For Curb Or Flange Base, Add	*471.59*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	692.51	74.18
		For Curb Or Flange Base, Add	*529.98*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	931.65	83.09
		For Curb Or Flange Base, Add	*637.71*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,385.07	111.27
		For Curb Or Flange Base, Add	*953.20*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	177.57	41.54
		For Curb Or Flange Base, Add	*233.99*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	234.26	46.00
		For Curb Or Flange Base, Add	*257.10*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	257.45	54.90
		For Curb Or Flange Base, Add	*285.85*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	442.19	60.83
		For Curb Or Flange Base, Add	*461.63*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	511.72	68.25
		For Curb Or Flange Base, Add	*499.90*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	725.98	74.18
		For Curb Or Flange Base, Add	*542.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	946.23	83.09
		For Curb Or Flange Base, Add	*665.04*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,372.01	111.27
		For Curb Or Flange Base, Add	*1,092.20*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	169.06	41.54
		For Curb Or Flange Base, Add	*215.62*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	221.60	46.00
		For Curb Or Flange Base, Add	*237.88*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	247.89	54.90
		For Curb Or Flange Base, Add	*265.58*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	397.22	60.83
		For Curb Or Flange Base, Add	*440.11*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	497.97	68.25
		For Curb Or Flange Base, Add	*471.59*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	608.63	74.18
		For Curb Or Flange Base, Add	*529.98*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	867.16	83.09
		For Curb Or Flange Base, Add	*637.71*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,302.63	111.27
		For Curb Or Flange Base, Add	*953.20*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	351.08	66.77
		For Backdraft Damper, Add	*175.19*	
		For Curb Base, Add	*268.62*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	430.71	74.18
		For Backdraft Damper, Add	*191.68*	
		For Curb Base, Add	*293.93*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	488.41	89.02
		For Backdraft Damper, Add	*261.75*	
		For Curb Base, Add	*372.09*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	593.12	97.92
		For Backdraft Damper, Add	*298.85*	
		For Curb Base, Add	*430.54*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,547.79	133.53
		For Backdraft Damper, Add	*375.11*	
		For Curb Base, Add	*567.42*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,888.25	154.30
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*677.67*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,565.92	178.04
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*707.10*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,594.37	192.88
		For Backdraft Damper, Add	*463.74*	
		For Curb Base, Add	*733.73*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,156.63	207.71
		For Backdraft Damper, Add	*515.26*	
		For Curb Base, Add	*824.26*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	742.16	74.18
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	867.12	97.92
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,250.86	133.53
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,957.85	154.30

07 72 23 00-0054 Low Profile Vent For Shingles, Shake, Slate and Metal Roof *(07 72 23)*

07 72 23 00-0055	EA	Galvanized Steel, Low Profile Tapered Vents With 64.80 Square Inch Net Ventilation Area, 1/8" Noncombustable Stainless Steel Wire Filament Note: Includes fire caulking	320.75	130.75

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	19.52	4.30
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	70.23	26.74
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	64.22	26.74

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	15.94	4.61

07 72 26 00-0007 Stainless Steel Fire And Ember Continuous Soffit Vent *(07 72 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0008	LF	2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	29.16	
07 72 26 00-0009	LF	2-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	33.01	
07 72 26 00-0010	LF	3" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	39.78	
07 72 26 00-0011	LF	3-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	44.33	
07 72 26 00-0012	LF	4" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	47.70	
07 72 26 00-0013	LF	5" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	55.80	
07 72 26 00-0014	LF	6" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	63.64	

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	12.25	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	11.12	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,048.77	185.16
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	1,474.16	205.73
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	2,521.78	280.56
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	1,441.35	205.73
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,622.71	228.61
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,602.70	311.81

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,073.70	185.16
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,364.91	205.73
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,398.92	280.56
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,326.39	205.73
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,251.35	228.61
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,520.51	311.81
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,461.92	205.73

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,013.17	185.16
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,326.32	205.73
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	1,815.70	280.56
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,231.17	205.73
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,487.12	228.61
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	2,019.63	311.81

07 72 33 00-0023 Stainless Steel *(07 72 33)*

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,245.43	185.16
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	6,199.45	205.73
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	9,320.45	280.56
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,977.30	205.73
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	10,505.18	228.61
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,769.85	311.81

07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	569.52	

07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,045.16	205.73
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,336.37	228.61
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,324.70	311.69
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,303.56	212.16
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,188.55	235.05

07 72 33 00-0038 Roof Hatch Accessories *(07 72 33)*

07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	625.50	96.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0040		**Roof Hatch Safety Railing** *(07 72 33)* Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,189.09	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,272.96	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,329.18	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,533.22	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,768.89	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,533.05	
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		**Fire Vent** *(07 72 36)*		
07 72 36 00-0002		**Galvanized Steel Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,372.47	171.53
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,753.69	235.82
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,131.60	257.30
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,198.35	270.15
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,662.19	235.82
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,897.72	257.30
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,119.68	278.76
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,680.65	300.23
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,777.23	321.58
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,909.50	278.76
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,073.86	343.05
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,533.01	364.53
07 72 36 00-0015		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,106.88	171.53
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,437.40	235.82
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,737.87	257.30
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,837.08	270.15
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,739.98	235.82
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,474.33	257.30
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,717.68	278.76
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,635.64	300.23
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	5,049.37	321.58
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,517.87	278.76
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,577.29	343.05
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,503.72	364.53
07 72 36 00-0028		**Aluminum Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,289.56	171.53
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,739.98	235.82
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,006.19	257.30
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,179.62	270.15
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,877.00	235.82
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,617.05	257.30
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,843.28	278.76
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,978.18	300.23
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,803.88	321.58
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,677.72	278.76
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	7,165.31	343.05
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,846.26	364.53
07 72 36 00-0041		**Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb** *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,266.73	171.01
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,882.69	235.82
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,059.71	270.15
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,253.79	235.82
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,464.39	300.23
07 72 38		**Roof Dormers** *(07 72)*		
07 72 38 13		**Roof Dormer Vent** *(07 72 38)*		
07 72 38 13-0001		**Copper Roof Dormer Vent** *(07 72 38 13)* Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.		
07 72 38 13-0002		**Half Round Copper Roof Dormer Vent** *(07 72 38 13-0001)*		
07 72 38 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	491.26	84.69
07 72 38 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	611.47	84.69
07 72 38 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	747.83	84.69
07 72 38 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	850.10	84.69
07 72 38 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	972.10	84.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,090.52	84.69
07 72 38 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,210.73	84.69
07 72 38 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,330.94	84.69
07 72 38 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,451.15	84.69
07 72 38 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,569.57	84.69
07 72 38 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,689.78	84.69
07 72 38 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,809.99	84.69
07 72 38 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	878.80	84.69
07 72 38 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	999.02	84.69
07 72 38 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,135.38	84.69
07 72 38 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,237.64	84.69
07 72 38 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,359.65	84.69
07 72 38 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,478.07	84.69
07 72 38 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,598.28	84.69
07 72 38 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,718.49	84.69
07 72 38 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,838.70	84.69
07 72 38 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,957.12	84.69
07 72 38 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,077.33	84.69
07 72 38 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,197.54	84.69
07 72 38 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	580.41	102.52
07 72 38 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	700.62	102.52
07 72 38 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	836.98	102.52
07 72 38 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	939.25	102.52
07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,061.25	102.52
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,179.67	102.52
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,299.88	102.52
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,420.09	102.52
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,540.31	102.52
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,658.72	102.52
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,778.93	102.52
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,899.15	102.52
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	967.96	102.52
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,088.17	102.52
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,224.53	102.52
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,326.80	102.52
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,448.80	102.52
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,567.22	102.52
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,687.43	102.52
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,807.64	102.52
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,927.85	102.52
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,046.27	102.52
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,166.48	102.52
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,286.69	102.52
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	674.89	114.40
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	795.10	114.40
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	931.46	114.40
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,033.73	114.40
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,155.73	114.40
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,274.15	114.40
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,394.36	114.40
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,514.57	114.40
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,634.79	114.40
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,753.20	114.40
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,873.41	114.40
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,993.63	114.40
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,062.44	114.40
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,182.65	114.40
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,319.01	114.40
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,421.28	114.40
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,543.28	114.40
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,661.70	114.40
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,781.91	114.40
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,902.12	114.40
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,022.33	114.40
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,140.75	114.40
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,260.96	114.40
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,381.17	114.40
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	787.08	130.75
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	907.29	130.75
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,043.65	130.75
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,145.92	130.75
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,267.92	130.75
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,386.34	130.75
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,506.55	130.75
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,626.76	130.75
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,746.97	130.75
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,865.39	130.75
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,985.60	130.75
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,105.81	130.75
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,174.62	130.75
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,294.84	130.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,431.19	130.75
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,533.46	130.75
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,655.47	130.75
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,773.89	130.75
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,894.10	130.75
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,014.31	130.75
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,134.52	130.75
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,252.94	130.75
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,373.15	130.75
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,493.36	130.75
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,111.58	145.60
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,231.79	145.60
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,368.15	145.60
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,470.42	145.60
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,592.43	145.60
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,710.84	145.60
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,831.06	145.60
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,951.27	145.60
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,071.48	145.60
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,189.90	145.60
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,310.11	145.60
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,430.32	145.60
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,499.13	145.60
07 72 38 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,619.34	145.60
07 72 38 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,755.70	145.60
07 72 38 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,857.97	145.60
07 72 38 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,979.97	145.60
07 72 38 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,098.39	145.60
07 72 38 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,218.60	145.60
07 72 38 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,338.81	145.60
07 72 38 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,459.03	145.60
07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,577.44	145.60
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,697.65	145.60
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,817.87	145.60
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,495.99	145.60
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,635.51	157.49
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,771.87	157.49
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,874.14	157.49
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,996.14	157.49
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,114.56	157.49
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,234.77	157.49
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,354.98	157.49
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,475.20	157.49
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,593.61	157.49
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,713.82	157.49
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,834.04	157.49
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,902.85	157.49
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,023.06	157.49
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,159.42	157.49
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,261.69	157.49
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,383.69	157.49
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,502.11	157.49
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,622.32	157.49
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,742.53	157.49
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,862.74	157.49
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,981.16	157.49
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,101.37	157.49
07 72 38 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,221.58	157.49

07 72 38 13-0147 Third Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	740.45	130.75
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	860.66	130.75
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	997.02	130.75
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,099.29	130.75
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,221.29	130.75
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,339.71	130.75
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,459.92	130.75
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,580.13	130.75
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,700.34	130.75
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,818.76	130.75
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,938.97	130.75
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,059.18	130.75
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	966.51	130.75
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,086.73	130.75
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,223.09	130.75
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,325.35	130.75
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,447.36	130.75
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,565.78	130.75
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,685.99	130.75
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,806.20	130.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,926.41	130.75
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,044.83	130.75
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,165.04	130.75
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,285.25	130.75
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	842.74	145.60
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	962.95	145.60
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,099.31	145.60
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,201.58	145.60
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,323.58	145.60
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,442.00	145.60
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,562.21	145.60
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,682.42	145.60
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,802.64	145.60
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,921.05	145.60
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,041.26	145.60
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,161.48	145.60
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,068.81	145.60
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,189.02	145.60
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,325.38	145.60
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,427.65	145.60
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,549.65	145.60
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,668.07	145.60
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,788.28	145.60
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,908.49	145.60
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,028.70	145.60
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,147.12	145.60
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,267.33	145.60
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,387.54	145.60
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,069.87	145.60
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,209.39	157.49
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,345.75	157.49
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,448.02	157.49
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,570.02	157.49
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,688.44	157.49
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,808.65	157.49
07 72 38 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,928.86	157.49
07 72 38 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,049.07	157.49
07 72 38 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,167.49	157.49
07 72 38 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,287.70	157.49
07 72 38 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,407.91	157.49
07 72 38 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,315.25	157.49
07 72 38 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,435.46	157.49
07 72 38 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,571.82	157.49
07 72 38 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,674.09	157.49
07 72 38 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,796.09	157.49
07 72 38 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,914.51	157.49
07 72 38 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,034.72	157.49
07 72 38 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,154.93	157.49
07 72 38 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,275.14	157.49
07 72 38 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,393.56	157.49
07 72 38 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,513.77	157.49
07 72 38 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,633.98	157.49

07 72 38 13-0220 Aluminum Roof Dormer Vent *(07 72 38 13)*

Note: Includes insect screen on the inside of the louvers, 0.032 Kynar finish Aluminum and fabricated with sturdy wooden framing.

07 72 38 13-0221 Half Round Aluminum Roof Dormer Vent *(07 72 38 13-0220)*

07 72 38 13-0222	EA	18" Half Round Aluminum Dormer Vents, 16/12 Slope	579.87	85.31
07 72 38 13-0223	EA	18" Half Round Aluminum Dormer Vents, 15/12 Slope	794.98	85.31
07 72 38 13-0224	EA	18" Half Round Aluminum Dormer Vents, 14/12 Slope	1,038.98	85.31
07 72 38 13-0225	EA	18" Half Round Aluminum Dormer Vents, 13/12 Slope	1,221.99	85.31
07 72 38 13-0226	EA	18" Half Round Aluminum Dormer Vents, 12/12 Slope	1,440.31	85.31
07 72 38 13-0227	EA	18" Half Round Aluminum Dormer Vents, 11/12 Slope	1,652.21	85.31
07 72 38 13-0228	EA	18" Half Round Aluminum Dormer Vents, 10/12 Slope	1,867.32	85.31
07 72 38 13-0229	EA	18" Half Round Aluminum Dormer Vents, 9/12 Slope	2,082.43	85.31
07 72 38 13-0230	EA	18" Half Round Aluminum Dormer Vents, 8/12 Slope	2,297.54	85.31
07 72 38 13-0231	EA	18" Half Round Aluminum Dormer Vents, 7/12 Slope	2,509.44	85.31
07 72 38 13-0232	EA	18" Half Round Aluminum Dormer Vents, 6/12 Slope	2,724.55	85.31
07 72 38 13-0233	EA	18" Half Round Aluminum Dormer Vents, 5/12 Slope	2,939.66	85.31
07 72 38 13-0234	EA	24" Half Round Aluminum Dormer Vents, 16/12 Slope	684.65	101.99
07 72 38 13-0235	EA	24" Half Round Aluminum Dormer Vents, 15/12 Slope	899.76	101.99
07 72 38 13-0236	EA	24" Half Round Aluminum Dormer Vents, 14/12 Slope	1,143.77	101.99
07 72 38 13-0237	EA	24" Half Round Aluminum Dormer Vents, 13/12 Slope	1,326.77	101.99
07 72 38 13-0238	EA	24" Half Round Aluminum Dormer Vents, 12/12 Slope	1,545.10	101.99
07 72 38 13-0239	EA	24" Half Round Aluminum Dormer Vents, 11/12 Slope	1,756.99	101.99
07 72 38 13-0240	EA	24" Half Round Aluminum Dormer Vents, 10/12 Slope	1,972.10	101.99
07 72 38 13-0241	EA	24" Half Round Aluminum Dormer Vents, 9/12 Slope	2,187.22	101.99
07 72 38 13-0242	EA	24" Half Round Aluminum Dormer Vents, 8/12 Slope	2,402.33	101.99
07 72 38 13-0243	EA	24" Half Round Aluminum Dormer Vents, 7/12 Slope	2,614.22	101.99
07 72 38 13-0244	EA	24" Half Round Aluminum Dormer Vents, 6/12 Slope	2,829.34	101.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0245	EA	24" Half Round Aluminum Dormer Vents, 5/12 Slope	3,044.45	101.99
07 72 38 13-0246	EA	30" Half Round Aluminum Dormer Vents, 16/12 Slope	797.53	114.73
07 72 38 13-0247	EA	30" Half Round Aluminum Dormer Vents, 15/12 Slope	1,012.64	114.73
07 72 38 13-0248	EA	30" Half Round Aluminum Dormer Vents, 14/12 Slope	1,256.65	114.73
07 72 38 13-0249	EA	30" Half Round Aluminum Dormer Vents, 13/12 Slope	1,439.65	114.73
07 72 38 13-0250	EA	30" Half Round Aluminum Dormer Vents, 12/12 Slope	1,657.97	114.73
07 72 38 13-0251	EA	30" Half Round Aluminum Dormer Vents, 11/12 Slope	1,869.87	114.73
07 72 38 13-0252	EA	30" Half Round Aluminum Dormer Vents, 10/12 Slope	2,084.98	114.73
07 72 38 13-0253	EA	30" Half Round Aluminum Dormer Vents, 9/12 Slope	2,300.09	114.73
07 72 38 13-0254	EA	30" Half Round Aluminum Dormer Vents, 8/12 Slope	2,515.20	114.73
07 72 38 13-0255	EA	30" Half Round Aluminum Dormer Vents, 7/12 Slope	2,727.10	114.73
07 72 38 13-0256	EA	30" Half Round Aluminum Dormer Vents, 6/12 Slope	2,942.21	114.73
07 72 38 13-0257	EA	30" Half Round Aluminum Dormer Vents, 5/12 Slope	3,157.32	114.73
07 72 38 13-0258	EA	36" Half Round Aluminum Dormer Vents, 16/12 Slope	931.36	130.42
07 72 38 13-0259	EA	36" Half Round Aluminum Dormer Vents, 15/12 Slope	1,146.47	130.42
07 72 38 13-0260	EA	36" Half Round Aluminum Dormer Vents, 14/12 Slope	1,390.48	130.42
07 72 38 13-0261	EA	36" Half Round Aluminum Dormer Vents, 13/12 Slope	1,573.48	130.42
07 72 38 13-0262	EA	36" Half Round Aluminum Dormer Vents, 12/12 Slope	1,791.80	130.42
07 72 38 13-0263	EA	36" Half Round Aluminum Dormer Vents, 11/12 Slope	2,003.70	130.42
07 72 38 13-0264	EA	36" Half Round Aluminum Dormer Vents, 10/12 Slope	2,218.81	130.42
07 72 38 13-0265	EA	36" Half Round Aluminum Dormer Vents, 9/12 Slope	2,433.92	130.42
07 72 38 13-0266	EA	36" Half Round Aluminum Dormer Vents, 8/12 Slope	2,649.03	130.42
07 72 38 13-0267	EA	36" Half Round Aluminum Dormer Vents, 7/12 Slope	2,860.93	130.42
07 72 38 13-0268	EA	36" Half Round Aluminum Dormer Vents, 6/12 Slope	3,076.04	130.42
07 72 38 13-0269	EA	36" Half Round Aluminum Dormer Vents, 5/12 Slope	3,291.15	130.42
07 72 38 13-0270	EA	42" Half Round Aluminum Dormer Vents, 16/12 Slope	1,506.42	145.13
07 72 38 13-0271	EA	42" Half Round Aluminum Dormer Vents, 15/12 Slope	1,721.53	145.13
07 72 38 13-0272	EA	42" Half Round Aluminum Dormer Vents, 14/12 Slope	1,965.54	145.13
07 72 38 13-0273	EA	42" Half Round Aluminum Dormer Vents, 13/12 Slope	2,148.54	145.13
07 72 38 13-0274	EA	42" Half Round Aluminum Dormer Vents, 12/12 Slope	2,366.86	145.13
07 72 38 13-0275	EA	42" Half Round Aluminum Dormer Vents, 11/12 Slope	2,578.76	145.13
07 72 38 13-0276	EA	42" Half Round Aluminum Dormer Vents, 10/12 Slope	2,793.87	145.13
07 72 38 13-0277	EA	42" Half Round Aluminum Dormer Vents, 9/12 Slope	3,008.98	145.13
07 72 38 13-0278	EA	42" Half Round Aluminum Dormer Vents, 8/12 Slope	3,224.09	145.13
07 72 38 13-0279	EA	42" Half Round Aluminum Dormer Vents, 7/12 Slope	3,435.99	145.13
07 72 38 13-0280	EA	42" Half Round Aluminum Dormer Vents, 6/12 Slope	3,651.10	145.13
07 72 38 13-0281	EA	42" Half Round Aluminum Dormer Vents, 5/12 Slope	3,866.21	145.13
07 72 38 13-0282	EA	48" Half Round Aluminum Dormer Vents, 16/12 Slope	2,144.24	145.13
07 72 38 13-0283	EA	48" Half Round Aluminum Dormer Vents, 15/12 Slope	2,378.66	157.88
07 72 38 13-0284	EA	48" Half Round Aluminum Dormer Vents, 14/12 Slope	2,622.66	157.88
07 72 38 13-0285	EA	48" Half Round Aluminum Dormer Vents, 13/12 Slope	2,805.67	157.88
07 72 38 13-0286	EA	48" Half Round Aluminum Dormer Vents, 12/12 Slope	3,023.99	157.88
07 72 38 13-0287	EA	48" Half Round Aluminum Dormer Vents, 11/12 Slope	3,235.89	157.88
07 72 38 13-0288	EA	48" Half Round Aluminum Dormer Vents, 10/12 Slope	3,451.00	157.88
07 72 38 13-0289	EA	48" Half Round Aluminum Dormer Vents, 9/12 Slope	3,666.11	157.88
07 72 38 13-0290	EA	48" Half Round Aluminum Dormer Vents, 8/12 Slope	3,881.22	157.88
07 72 38 13-0291	EA	48" Half Round Aluminum Dormer Vents, 7/12 Slope	4,093.12	157.88
07 72 38 13-0292	EA	48" Half Round Aluminum Dormer Vents, 6/12 Slope	4,308.23	157.88
07 72 38 13-0293	EA	48" Half Round Aluminum Dormer Vents, 5/12 Slope	4,523.34	157.88

07 72 38 13-0294 Triangle Aluminum Roof Dormer Vent *(07 72 38 13-0220)*

07 72 38 13-0295	EA	18" x 9" Triangle Aluminum Dormer Vents, 16/12 Slope	1,277.85	85.31
07 72 38 13-0296	EA	18" x 9" Triangle Aluminum Dormer Vents, 15/12 Slope	1,492.96	85.31
07 72 38 13-0297	EA	18" x 9" Triangle Aluminum Dormer Vents, 14/12 Slope	1,736.97	85.31
07 72 38 13-0298	EA	18" x 9" Triangle Aluminum Dormer Vents, 13/12 Slope	1,919.97	85.31
07 72 38 13-0299	EA	18" x 9" Triangle Aluminum Dormer Vents, 12/12 Slope	2,138.29	85.31
07 72 38 13-0300	EA	18" x 9" Triangle Aluminum Dormer Vents, 11/12 Slope	2,350.19	85.31
07 72 38 13-0301	EA	18" x 9" Triangle Aluminum Dormer Vents, 10/12 Slope	2,565.30	85.31
07 72 38 13-0302	EA	18" x 9" Triangle Aluminum Dormer Vents, 9/12 Slope	2,780.41	85.31
07 72 38 13-0303	EA	18" x 9" Triangle Aluminum Dormer Vents, 8/12 Slope	2,995.52	85.31
07 72 38 13-0304	EA	18" x 9" Triangle Aluminum Dormer Vents, 7/12 Slope	3,207.42	85.31
07 72 38 13-0305	EA	18" x 9" Triangle Aluminum Dormer Vents, 6/12 Slope	3,422.53	85.31
07 72 38 13-0306	EA	18" x 9" Triangle Aluminum Dormer Vents, 5/12 Slope	3,637.64	85.31
07 72 38 13-0307	EA	18" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope	1,377.16	85.31
07 72 38 13-0308	EA	18" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope	1,592.27	85.31
07 72 38 13-0309	EA	18" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope	1,836.27	85.31
07 72 38 13-0310	EA	18" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope	2,019.28	85.31
07 72 38 13-0311	EA	18" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope	2,237.60	85.31
07 72 38 13-0312	EA	18" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope	2,449.50	85.31
07 72 38 13-0313	EA	18" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope	2,664.61	85.31
07 72 38 13-0314	EA	18" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope	2,879.72	85.31
07 72 38 13-0315	EA	18" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope	3,094.83	85.31
07 72 38 13-0316	EA	18" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope	3,306.73	85.31
07 72 38 13-0317	EA	18" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope	3,521.84	85.31
07 72 38 13-0318	EA	18" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope	3,736.95	85.31
07 72 38 13-0319	EA	24" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope	1,534.82	101.99
07 72 38 13-0320	EA	24" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope	1,749.93	101.99
07 72 38 13-0321	EA	24" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope	1,993.94	101.99
07 72 38 13-0322	EA	24" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope	2,176.94	101.99
07 72 38 13-0323	EA	24" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope	2,395.26	101.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0324	EA	24" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope	2,607.16	101.99
07 72 38 13-0325	EA	24" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope	2,822.27	101.99
07 72 38 13-0326	EA	24" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope	3,037.38	101.99
07 72 38 13-0327	EA	24" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope	3,252.49	101.99
07 72 38 13-0328	EA	24" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope	3,464.39	101.99
07 72 38 13-0329	EA	24" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope	3,679.50	101.99
07 72 38 13-0330	EA	24" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope	3,894.61	101.99
07 72 38 13-0331	EA	24" x 16" Triangle Aluminum Dormer Vents, 16/12 Slope	1,711.34	101.99
07 72 38 13-0332	EA	24" x 16" Triangle Aluminum Dormer Vents, 15/12 Slope	1,926.45	101.99
07 72 38 13-0333	EA	24" x 16" Triangle Aluminum Dormer Vents, 14/12 Slope	2,170.46	101.99
07 72 38 13-0334	EA	24" x 16" Triangle Aluminum Dormer Vents, 13/12 Slope	2,353.46	101.99
07 72 38 13-0335	EA	24" x 16" Triangle Aluminum Dormer Vents, 12/12 Slope	2,571.78	101.99
07 72 38 13-0336	EA	24" x 16" Triangle Aluminum Dormer Vents, 11/12 Slope	2,783.68	101.99
07 72 38 13-0337	EA	24" x 16" Triangle Aluminum Dormer Vents, 10/12 Slope	2,998.79	101.99
07 72 38 13-0338	EA	24" x 16" Triangle Aluminum Dormer Vents, 9/12 Slope	3,213.90	101.99
07 72 38 13-0339	EA	24" x 16" Triangle Aluminum Dormer Vents, 8/12 Slope	3,429.01	101.99
07 72 38 13-0340	EA	24" x 16" Triangle Aluminum Dormer Vents, 7/12 Slope	3,640.91	101.99
07 72 38 13-0341	EA	24" x 16" Triangle Aluminum Dormer Vents, 6/12 Slope	3,856.02	101.99
07 72 38 13-0342	EA	24" x 16" Triangle Aluminum Dormer Vents, 5/12 Slope	4,071.13	101.99
07 72 38 13-0343	EA	30" x 15" Triangle Aluminum Dormer Vents, 16/12 Slope	1,852.05	114.73
07 72 38 13-0344	EA	30" x 15" Triangle Aluminum Dormer Vents, 15/12 Slope	2,067.16	114.73
07 72 38 13-0345	EA	30" x 15" Triangle Aluminum Dormer Vents, 14/12 Slope	2,311.17	114.73
07 72 38 13-0346	EA	30" x 15" Triangle Aluminum Dormer Vents, 13/12 Slope	2,494.17	114.73
07 72 38 13-0347	EA	30" x 15" Triangle Aluminum Dormer Vents, 12/12 Slope	2,712.49	114.73
07 72 38 13-0348	EA	30" x 15" Triangle Aluminum Dormer Vents, 11/12 Slope	2,924.39	114.73
07 72 38 13-0349	EA	30" x 15" Triangle Aluminum Dormer Vents, 10/12 Slope	3,139.50	114.73
07 72 38 13-0350	EA	30" x 15" Triangle Aluminum Dormer Vents, 9/12 Slope	3,354.61	114.73
07 72 38 13-0351	EA	30" x 15" Triangle Aluminum Dormer Vents, 8/12 Slope	3,569.72	114.73
07 72 38 13-0352	EA	30" x 15" Triangle Aluminum Dormer Vents, 7/12 Slope	3,781.62	114.73
07 72 38 13-0353	EA	30" x 15" Triangle Aluminum Dormer Vents, 6/12 Slope	3,996.73	114.73
07 72 38 13-0354	EA	30" x 15" Triangle Aluminum Dormer Vents, 5/12 Slope	4,211.84	114.73
07 72 38 13-0355	EA	30" x 20" Triangle Aluminum Dormer Vents, 16/12 Slope	2,127.88	114.73
07 72 38 13-0356	EA	30" x 20" Triangle Aluminum Dormer Vents, 15/12 Slope	2,342.99	114.73
07 72 38 13-0357	EA	30" x 20" Triangle Aluminum Dormer Vents, 14/12 Slope	2,586.99	114.73
07 72 38 13-0358	EA	30" x 20" Triangle Aluminum Dormer Vents, 13/12 Slope	2,770.00	114.73
07 72 38 13-0359	EA	30" x 20" Triangle Aluminum Dormer Vents, 12/12 Slope	2,988.32	114.73
07 72 38 13-0360	EA	30" x 20" Triangle Aluminum Dormer Vents, 11/12 Slope	3,200.22	114.73
07 72 38 13-0361	EA	30" x 20" Triangle Aluminum Dormer Vents, 10/12 Slope	3,415.33	114.73
07 72 38 13-0362	EA	30" x 20" Triangle Aluminum Dormer Vents, 9/12 Slope	3,630.44	114.73
07 72 38 13-0363	EA	30" x 20" Triangle Aluminum Dormer Vents, 8/12 Slope	3,845.55	114.73
07 72 38 13-0364	EA	30" x 20" Triangle Aluminum Dormer Vents, 7/12 Slope	4,057.45	114.73
07 72 38 13-0365	EA	30" x 20" Triangle Aluminum Dormer Vents, 6/12 Slope	4,272.56	114.73
07 72 38 13-0366	EA	30" x 20" Triangle Aluminum Dormer Vents, 5/12 Slope	4,487.67	114.73
07 72 38 13-0367	EA	36" x 18" Triangle Aluminum Dormer Vents, 16/12 Slope	2,239.90	130.42
07 72 38 13-0368	EA	36" x 18" Triangle Aluminum Dormer Vents, 15/12 Slope	2,455.01	130.42
07 72 38 13-0369	EA	36" x 18" Triangle Aluminum Dormer Vents, 14/12 Slope	2,699.02	130.42
07 72 38 13-0370	EA	36" x 18" Triangle Aluminum Dormer Vents, 13/12 Slope	2,882.02	130.42
07 72 38 13-0371	EA	36" x 18" Triangle Aluminum Dormer Vents, 12/12 Slope	3,100.35	130.42
07 72 38 13-0372	EA	36" x 18" Triangle Aluminum Dormer Vents, 11/12 Slope	3,312.25	130.42
07 72 38 13-0373	EA	36" x 18" Triangle Aluminum Dormer Vents, 10/12 Slope	3,527.36	130.42
07 72 38 13-0374	EA	36" x 18" Triangle Aluminum Dormer Vents, 9/12 Slope	3,742.47	130.42
07 72 38 13-0375	EA	36" x 18" Triangle Aluminum Dormer Vents, 8/12 Slope	3,957.58	130.42
07 72 38 13-0376	EA	36" x 18" Triangle Aluminum Dormer Vents, 7/12 Slope	4,169.48	130.42
07 72 38 13-0377	EA	36" x 18" Triangle Aluminum Dormer Vents, 6/12 Slope	4,384.59	130.42
07 72 38 13-0378	EA	36" x 18" Triangle Aluminum Dormer Vents, 5/12 Slope	4,599.70	130.42
07 72 38 13-0379	EA	36" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope	2,637.12	130.42
07 72 38 13-0380	EA	36" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope	2,852.23	130.42
07 72 38 13-0381	EA	36" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope	3,096.24	130.42
07 72 38 13-0382	EA	36" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope	3,279.24	130.42
07 72 38 13-0383	EA	36" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope	3,497.56	130.42
07 72 38 13-0384	EA	36" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope	3,709.46	130.42
07 72 38 13-0385	EA	36" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope	3,924.57	130.42
07 72 38 13-0386	EA	36" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope	4,139.68	130.42
07 72 38 13-0387	EA	36" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,354.79	130.42
07 72 38 13-0388	EA	36" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	4,566.69	130.42
07 72 38 13-0389	EA	36" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	4,781.80	130.42
07 72 38 13-0390	EA	36" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	4,996.91	130.42
07 72 38 13-0391	EA	42" x 21" Triangle Aluminum Dormer Vents, 16/12 Slope	2,692.51	145.13
07 72 38 13-0392	EA	42" x 21" Triangle Aluminum Dormer Vents, 15/12 Slope	2,907.62	145.13
07 72 38 13-0393	EA	42" x 21" Triangle Aluminum Dormer Vents, 14/12 Slope	3,151.63	145.13
07 72 38 13-0394	EA	42" x 21" Triangle Aluminum Dormer Vents, 13/12 Slope	3,334.63	145.13
07 72 38 13-0395	EA	42" x 21" Triangle Aluminum Dormer Vents, 12/12 Slope	3,552.95	145.13
07 72 38 13-0396	EA	42" x 21" Triangle Aluminum Dormer Vents, 11/12 Slope	3,764.85	145.13
07 72 38 13-0397	EA	42" x 21" Triangle Aluminum Dormer Vents, 10/12 Slope	3,979.96	145.13
07 72 38 13-0398	EA	42" x 21" Triangle Aluminum Dormer Vents, 9/12 Slope	4,195.07	145.13
07 72 38 13-0399	EA	42" x 21" Triangle Aluminum Dormer Vents, 8/12 Slope	4,410.18	145.13
07 72 38 13-0400	EA	42" x 21" Triangle Aluminum Dormer Vents, 7/12 Slope	4,622.08	145.13
07 72 38 13-0401	EA	42" x 21" Triangle Aluminum Dormer Vents, 6/12 Slope	4,837.19	145.13
07 72 38 13-0402	EA	42" x 21" Triangle Aluminum Dormer Vents, 5/12 Slope	5,052.30	145.13
07 72 38 13-0403	EA	42" x 28" Triangle Aluminum Dormer Vents, 16/12 Slope	3,233.18	145.13
07 72 38 13-0404	EA	42" x 28" Triangle Aluminum Dormer Vents, 15/12 Slope	3,448.29	145.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0405	EA	42" x 28" Triangle Aluminum Dormer Vents, 14/12 Slope	3,692.29	145.13
07 72 38 13-0406	EA	42" x 28" Triangle Aluminum Dormer Vents, 13/12 Slope	3,875.30	145.13
07 72 38 13-0407	EA	42" x 28" Triangle Aluminum Dormer Vents, 12/12 Slope	4,093.62	145.13
07 72 38 13-0408	EA	42" x 28" Triangle Aluminum Dormer Vents, 11/12 Slope	4,305.52	145.13
07 72 38 13-0409	EA	42" x 28" Triangle Aluminum Dormer Vents, 10/12 Slope	4,520.63	145.13
07 72 38 13-0410	EA	42" x 28" Triangle Aluminum Dormer Vents, 9/12 Slope	4,735.74	145.13
07 72 38 13-0411	EA	42" x 28" Triangle Aluminum Dormer Vents, 8/12 Slope	4,950.85	145.13
07 72 38 13-0412	EA	42" x 28" Triangle Aluminum Dormer Vents, 7/12 Slope	5,162.75	145.13
07 72 38 13-0413	EA	42" x 28" Triangle Aluminum Dormer Vents, 6/12 Slope	5,377.86	145.13
07 72 38 13-0414	EA	42" x 28" Triangle Aluminum Dormer Vents, 5/12 Slope	5,592.97	145.13
07 72 38 13-0415	EA	48" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope	3,189.03	145.13
07 72 38 13-0416	EA	48" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope	3,423.45	157.88
07 72 38 13-0417	EA	48" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope	3,667.46	157.88
07 72 38 13-0418	EA	48" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope	3,850.46	157.88
07 72 38 13-0419	EA	48" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope	4,068.78	157.88
07 72 38 13-0420	EA	48" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope	4,280.68	157.88
07 72 38 13-0421	EA	48" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope	4,495.79	157.88
07 72 38 13-0422	EA	48" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope	4,710.90	157.88
07 72 38 13-0423	EA	48" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,926.01	157.88
07 72 38 13-0424	EA	48" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	5,137.91	157.88
07 72 38 13-0425	EA	48" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	5,353.02	157.88
07 72 38 13-0426	EA	48" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	5,568.13	157.88
07 72 38 13-0427	EA	48" x 32" Triangle Aluminum Dormer Vents, 16/12 Slope	3,895.17	145.13
07 72 38 13-0428	EA	48" x 32" Triangle Aluminum Dormer Vents, 15/12 Slope	4,129.59	157.88
07 72 38 13-0429	EA	48" x 32" Triangle Aluminum Dormer Vents, 14/12 Slope	4,373.60	157.88
07 72 38 13-0430	EA	48" x 32" Triangle Aluminum Dormer Vents, 13/12 Slope	4,556.60	157.88
07 72 38 13-0431	EA	48" x 32" Triangle Aluminum Dormer Vents, 12/12 Slope	4,774.92	157.88
07 72 38 13-0432	EA	48" x 32" Triangle Aluminum Dormer Vents, 11/12 Slope	4,986.82	157.88
07 72 38 13-0433	EA	48" x 32" Triangle Aluminum Dormer Vents, 10/12 Slope	5,201.93	157.88
07 72 38 13-0434	EA	48" x 32" Triangle Aluminum Dormer Vents, 9/12 Slope	5,417.04	157.88
07 72 38 13-0435	EA	48" x 32" Triangle Aluminum Dormer Vents, 8/12 Slope	5,632.15	157.88
07 72 38 13-0436	EA	48" x 32" Triangle Aluminum Dormer Vents, 7/12 Slope	5,844.05	157.88
07 72 38 13-0437	EA	48" x 32" Triangle Aluminum Dormer Vents, 6/12 Slope	6,059.16	157.88
07 72 38 13-0438	EA	48" x 32" Triangle Aluminum Dormer Vents, 5/12 Slope	6,274.27	157.88

07 72 38 13-0439 Rectangle Aluminum Roof Dormer Vent *(07 72 38 13-0220)*

07 72 38 13-0440	EA	12" x 18" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,393.40	85.31
07 72 38 13-0441	EA	12" x 18" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,524.75	85.31
07 72 38 13-0442	EA	12" x 18" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,656.09	85.31
07 72 38 13-0443	EA	12" x 18" Rectangle Aluminum Dormer Vents, 13/12 Slope	1,787.44	85.31
07 72 38 13-0444	EA	12" x 18" Rectangle Aluminum Dormer Vents, 12/12 Slope	1,918.78	85.31
07 72 38 13-0445	EA	12" x 18" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,050.13	85.31
07 72 38 13-0446	EA	12" x 18" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,181.48	85.31
07 72 38 13-0447	EA	12" x 18" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,312.82	85.31
07 72 38 13-0448	EA	12" x 18" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,444.17	85.31
07 72 38 13-0449	EA	12" x 18" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,575.51	85.31
07 72 38 13-0450	EA	12" x 18" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,706.86	85.31
07 72 38 13-0451	EA	12" x 18" Rectangle Aluminum Dormer Vents, 5/12 Slope	2,838.20	85.31
07 72 38 13-0452	EA	15" x 21" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,666.58	101.99
07 72 38 13-0453	EA	15" x 21" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,797.93	101.99
07 72 38 13-0454	EA	15" x 21" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,929.28	101.99
07 72 38 13-0455	EA	15" x 21" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,060.62	101.99
07 72 38 13-0456	EA	15" x 21" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,191.97	101.99
07 72 38 13-0457	EA	15" x 21" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,323.31	101.99
07 72 38 13-0458	EA	15" x 21" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,454.66	101.99
07 72 38 13-0459	EA	15" x 21" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,586.00	101.99
07 72 38 13-0460	EA	15" x 21" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,717.35	101.99
07 72 38 13-0461	EA	15" x 21" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,848.70	101.99
07 72 38 13-0462	EA	15" x 21" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,980.04	101.99
07 72 38 13-0463	EA	15" x 21" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,111.39	101.99
07 72 38 13-0464	EA	18" x 27" Rectangle Aluminum Dormer Vents, 16/12 Slope	2,114.13	114.73
07 72 38 13-0465	EA	18" x 27" Rectangle Aluminum Dormer Vents, 15/12 Slope	2,245.48	114.73
07 72 38 13-0466	EA	18" x 27" Rectangle Aluminum Dormer Vents, 14/12 Slope	2,376.83	114.73
07 72 38 13-0467	EA	18" x 27" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,508.17	114.73
07 72 38 13-0468	EA	18" x 27" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,639.52	114.73
07 72 38 13-0469	EA	18" x 27" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,770.86	114.73
07 72 38 13-0470	EA	18" x 27" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,902.21	114.73
07 72 38 13-0471	EA	18" x 27" Rectangle Aluminum Dormer Vents, 9/12 Slope	3,033.55	114.73
07 72 38 13-0472	EA	18" x 27" Rectangle Aluminum Dormer Vents, 8/12 Slope	3,164.90	114.73
07 72 38 13-0473	EA	18" x 27" Rectangle Aluminum Dormer Vents, 7/12 Slope	3,296.24	114.73
07 72 38 13-0474	EA	18" x 27" Rectangle Aluminum Dormer Vents, 6/12 Slope	3,427.59	114.73
07 72 38 13-0475	EA	18" x 27" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,558.94	114.73
07 72 38 13-0476	EA	24" x 36" Rectangle Aluminum Dormer Vents, 16/12 Slope	3,084.52	130.42
07 72 38 13-0477	EA	24" x 36" Rectangle Aluminum Dormer Vents, 15/12 Slope	3,215.86	130.42
07 72 38 13-0478	EA	24" x 36" Rectangle Aluminum Dormer Vents, 14/12 Slope	3,347.21	130.42
07 72 38 13-0479	EA	24" x 36" Rectangle Aluminum Dormer Vents, 13/12 Slope	3,478.55	130.42
07 72 38 13-0480	EA	24" x 36" Rectangle Aluminum Dormer Vents, 12/12 Slope	3,609.90	130.42
07 72 38 13-0481	EA	24" x 36" Rectangle Aluminum Dormer Vents, 11/12 Slope	3,741.25	130.42
07 72 38 13-0482	EA	24" x 36" Rectangle Aluminum Dormer Vents, 10/12 Slope	3,872.59	130.42
07 72 38 13-0483	EA	24" x 36" Rectangle Aluminum Dormer Vents, 9/12 Slope	4,003.94	130.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0484	EA	24" x 36" Rectangle Aluminum Dormer Vents, 8/12 Slope	4,135.28	130.42
07 72 38 13-0485	EA	24" x 36" Rectangle Aluminum Dormer Vents, 7/12 Slope	4,266.63	130.42
07 72 38 13-0486	EA	24" x 36" Rectangle Aluminum Dormer Vents, 6/12 Slope	4,397.97	130.42
07 72 38 13-0487	EA	24" x 36" Rectangle Aluminum Dormer Vents, 5/12 Slope	4,529.32	130.42
07 72 38 13-0488	EA	30" x 42" Rectangle Aluminum Dormer Vents, 16/12 Slope	4,098.50	145.13
07 72 38 13-0489	EA	30" x 42" Rectangle Aluminum Dormer Vents, 15/12 Slope	4,229.84	145.13
07 72 38 13-0490	EA	30" x 42" Rectangle Aluminum Dormer Vents, 14/12 Slope	4,361.19	145.13
07 72 38 13-0491	EA	30" x 42" Rectangle Aluminum Dormer Vents, 13/12 Slope	4,492.53	145.13
07 72 38 13-0492	EA	30" x 42" Rectangle Aluminum Dormer Vents, 12/12 Slope	4,623.88	145.13
07 72 38 13-0493	EA	30" x 42" Rectangle Aluminum Dormer Vents, 11/12 Slope	4,755.23	145.13
07 72 38 13-0494	EA	30" x 42" Rectangle Aluminum Dormer Vents, 10/12 Slope	4,886.57	145.13
07 72 38 13-0495	EA	30" x 42" Rectangle Aluminum Dormer Vents, 9/12 Slope	5,017.92	145.13
07 72 38 13-0496	EA	30" x 42" Rectangle Aluminum Dormer Vents, 8/12 Slope	5,149.26	145.13
07 72 38 13-0497	EA	30" x 42" Rectangle Aluminum Dormer Vents, 7/12 Slope	5,280.61	145.13
07 72 38 13-0498	EA	30" x 42" Rectangle Aluminum Dormer Vents, 6/12 Slope	5,411.95	145.13
07 72 38 13-0499	EA	30" x 42" Rectangle Aluminum Dormer Vents, 5/12 Slope	5,543.30	145.13
07 72 38 13-0500	EA	36" x 48" Rectangle Aluminum Dormer Vents, 16/12 Slope	5,270.49	145.13
07 72 38 13-0501	EA	36" x 48" Rectangle Aluminum Dormer Vents, 15/12 Slope	5,421.15	157.88
07 72 38 13-0502	EA	36" x 48" Rectangle Aluminum Dormer Vents, 14/12 Slope	5,552.50	157.88
07 72 38 13-0503	EA	36" x 48" Rectangle Aluminum Dormer Vents, 13/12 Slope	5,683.84	157.88
07 72 38 13-0504	EA	36" x 48" Rectangle Aluminum Dormer Vents, 12/12 Slope	5,815.19	157.88
07 72 38 13-0505	EA	36" x 48" Rectangle Aluminum Dormer Vents, 11/12 Slope	5,946.53	157.88
07 72 38 13-0506	EA	36" x 48" Rectangle Aluminum Dormer Vents, 10/12 Slope	6,077.88	157.88
07 72 38 13-0507	EA	36" x 48" Rectangle Aluminum Dormer Vents, 9/12 Slope	6,209.22	157.88
07 72 38 13-0508	EA	36" x 48" Rectangle Aluminum Dormer Vents, 8/12 Slope	6,340.57	157.88
07 72 38 13-0509	EA	36" x 48" Rectangle Aluminum Dormer Vents, 7/12 Slope	6,471.92	157.88
07 72 38 13-0510	EA	36" x 48" Rectangle Aluminum Dormer Vents, 6/12 Slope	6,603.26	157.88
07 72 38 13-0511	EA	36" x 48" Rectangle Aluminum Dormer Vents, 5/12 Slope	6,734.61	157.88

07 72 38 13-0512 Tombstone Aluminum Roof Dormer Vent *(07 72 38 13-0220)*

07 72 38 13-0513	EA	12" x 18" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,467.05	85.31
07 72 38 13-0514	EA	12" x 18" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,682.16	85.31
07 72 38 13-0515	EA	12" x 18" Tombstone Aluminum Dormer Vents, 14/12 Slope	1,926.17	85.31
07 72 38 13-0516	EA	12" x 18" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,109.17	85.31
07 72 38 13-0517	EA	12" x 18" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,327.49	85.31
07 72 38 13-0518	EA	12" x 18" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,539.39	85.31
07 72 38 13-0519	EA	12" x 18" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,754.50	85.31
07 72 38 13-0520	EA	12" x 18" Tombstone Aluminum Dormer Vents, 9/12 Slope	2,969.61	85.31
07 72 38 13-0521	EA	12" x 18" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,184.72	85.31
07 72 38 13-0522	EA	12" x 18" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,396.62	85.31
07 72 38 13-0523	EA	12" x 18" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,611.73	85.31
07 72 38 13-0524	EA	12" x 18" Tombstone Aluminum Dormer Vents, 5/12 Slope	3,826.84	85.31
07 72 38 13-0525	EA	15" x 21" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,692.56	101.99
07 72 38 13-0526	EA	15" x 21" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,907.67	101.99
07 72 38 13-0527	EA	15" x 21" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,151.67	101.99
07 72 38 13-0528	EA	15" x 21" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,334.68	101.99
07 72 38 13-0529	EA	15" x 21" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,553.00	101.99
07 72 38 13-0530	EA	15" x 21" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,764.90	101.99
07 72 38 13-0531	EA	15" x 21" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,980.01	101.99
07 72 38 13-0532	EA	15" x 21" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,195.12	101.99
07 72 38 13-0533	EA	15" x 21" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,410.23	101.99
07 72 38 13-0534	EA	15" x 21" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,622.13	101.99
07 72 38 13-0535	EA	15" x 21" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,837.24	101.99
07 72 38 13-0536	EA	15" x 21" Tombstone Aluminum Dormer Vents, 5/12 Slope	4,052.35	101.99
07 72 38 13-0537	EA	18" x 27" Tombstone Aluminum Dormer Vents, 16/12 Slope	2,057.76	114.73
07 72 38 13-0538	EA	18" x 27" Tombstone Aluminum Dormer Vents, 15/12 Slope	2,272.87	114.73
07 72 38 13-0539	EA	18" x 27" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,516.87	114.73
07 72 38 13-0540	EA	18" x 27" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,699.88	114.73
07 72 38 13-0541	EA	18" x 27" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,918.20	114.73
07 72 38 13-0542	EA	18" x 27" Tombstone Aluminum Dormer Vents, 11/12 Slope	3,130.10	114.73
07 72 38 13-0543	EA	18" x 27" Tombstone Aluminum Dormer Vents, 10/12 Slope	3,345.21	114.73
07 72 38 13-0544	EA	18" x 27" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,560.32	114.73
07 72 38 13-0545	EA	18" x 27" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,775.43	114.73
07 72 38 13-0546	EA	18" x 27" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,987.33	114.73
07 72 38 13-0547	EA	18" x 27" Tombstone Aluminum Dormer Vents, 6/12 Slope	4,202.44	114.73
07 72 38 13-0548	EA	18" x 27" Tombstone Aluminum Dormer Vents, 5/12 Slope	4,417.55	114.73
07 72 38 13-0549	EA	24" x 36" Tombstone Aluminum Dormer Vents, 16/12 Slope	2,846.10	130.42
07 72 38 13-0550	EA	24" x 36" Tombstone Aluminum Dormer Vents, 15/12 Slope	3,061.21	130.42
07 72 38 13-0551	EA	24" x 36" Tombstone Aluminum Dormer Vents, 14/12 Slope	3,305.21	130.42
07 72 38 13-0552	EA	24" x 36" Tombstone Aluminum Dormer Vents, 13/12 Slope	3,488.22	130.42
07 72 38 13-0553	EA	24" x 36" Tombstone Aluminum Dormer Vents, 12/12 Slope	3,706.54	130.42
07 72 38 13-0554	EA	24" x 36" Tombstone Aluminum Dormer Vents, 11/12 Slope	3,918.44	130.42
07 72 38 13-0555	EA	24" x 36" Tombstone Aluminum Dormer Vents, 10/12 Slope	4,133.55	130.42
07 72 38 13-0556	EA	24" x 36" Tombstone Aluminum Dormer Vents, 9/12 Slope	4,348.66	130.42
07 72 38 13-0557	EA	24" x 36" Tombstone Aluminum Dormer Vents, 8/12 Slope	4,563.77	130.42
07 72 38 13-0558	EA	24" x 36" Tombstone Aluminum Dormer Vents, 7/12 Slope	4,775.67	130.42
07 72 38 13-0559	EA	24" x 36" Tombstone Aluminum Dormer Vents, 6/12 Slope	4,990.78	130.42
07 72 38 13-0560	EA	24" x 36" Tombstone Aluminum Dormer Vents, 5/12 Slope	5,205.89	130.42
07 72 38 13-0561	EA	30" x 42" Tombstone Aluminum Dormer Vents, 16/12 Slope	3,669.37	145.13
07 72 38 13-0562	EA	30" x 42" Tombstone Aluminum Dormer Vents, 15/12 Slope	3,884.48	145.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0563	EA	30" x 42" Tombstone Aluminum Dormer Vents, 14/12 Slope	4,128.48	145.13
07 72 38 13-0564	EA	30" x 42" Tombstone Aluminum Dormer Vents, 13/12 Slope	4,311.49	145.13
07 72 38 13-0565	EA	30" x 42" Tombstone Aluminum Dormer Vents, 12/12 Slope	4,529.81	145.13
07 72 38 13-0566	EA	30" x 42" Tombstone Aluminum Dormer Vents, 11/12 Slope	4,741.71	145.13
07 72 38 13-0567	EA	30" x 42" Tombstone Aluminum Dormer Vents, 10/12 Slope	4,956.82	145.13
07 72 38 13-0568	EA	30" x 42" Tombstone Aluminum Dormer Vents, 9/12 Slope	5,171.93	145.13
07 72 38 13-0569	EA	30" x 42" Tombstone Aluminum Dormer Vents, 8/12 Slope	5,387.04	145.13
07 72 38 13-0570	EA	30" x 42" Tombstone Aluminum Dormer Vents, 7/12 Slope	5,598.94	145.13
07 72 38 13-0571	EA	30" x 42" Tombstone Aluminum Dormer Vents, 6/12 Slope	5,814.05	145.13
07 72 38 13-0572	EA	30" x 42" Tombstone Aluminum Dormer Vents, 5/12 Slope	6,029.16	145.13
07 72 38 13-0573	EA	36" x 48" Tombstone Aluminum Dormer Vents, 16/12 Slope	4,615.98	145.13
07 72 38 13-0574	EA	36" x 48" Tombstone Aluminum Dormer Vents, 15/12 Slope	4,850.40	157.88
07 72 38 13-0575	EA	36" x 48" Tombstone Aluminum Dormer Vents, 14/12 Slope	5,094.41	157.88
07 72 38 13-0576	EA	36" x 48" Tombstone Aluminum Dormer Vents, 13/12 Slope	5,277.41	157.88
07 72 38 13-0577	EA	36" x 48" Tombstone Aluminum Dormer Vents, 12/12 Slope	5,495.73	157.88
07 72 38 13-0578	EA	36" x 48" Tombstone Aluminum Dormer Vents, 11/12 Slope	5,707.63	157.88
07 72 38 13-0579	EA	36" x 48" Tombstone Aluminum Dormer Vents, 10/12 Slope	5,922.74	157.88
07 72 38 13-0580	EA	36" x 48" Tombstone Aluminum Dormer Vents, 9/12 Slope	6,137.85	157.88
07 72 38 13-0581	EA	36" x 48" Tombstone Aluminum Dormer Vents, 8/12 Slope	6,352.96	157.88
07 72 38 13-0582	EA	36" x 48" Tombstone Aluminum Dormer Vents, 7/12 Slope	6,564.86	157.88
07 72 38 13-0583	EA	36" x 48" Tombstone Aluminum Dormer Vents, 6/12 Slope	6,779.97	157.88
07 72 38 13-0584	EA	36" x 48" Tombstone Aluminum Dormer Vents, 5/12 Slope	6,995.08	157.88
07 72 38 13-0585		**Arched Top Aluminum Roof Dormer Vent** *(07 72 38 13-0220)*		
07 72 38 13-0586	EA	12" x 15" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,399.47	85.31
07 72 38 13-0587	EA	12" x 15" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,596.47	85.31
07 72 38 13-0588	EA	12" x 15" Arched Top Aluminum Dormer Vents, 14/12 Slope	1,793.47	85.31
07 72 38 13-0589	EA	12" x 15" Arched Top Aluminum Dormer Vents, 13/12 Slope	1,990.48	85.31
07 72 38 13-0590	EA	12" x 15" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,187.48	85.31
07 72 38 13-0591	EA	12" x 15" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,384.48	85.31
07 72 38 13-0592	EA	12" x 15" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,581.48	85.31
07 72 38 13-0593	EA	12" x 15" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,778.49	85.31
07 72 38 13-0594	EA	12" x 15" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,975.49	85.31
07 72 38 13-0595	EA	12" x 15" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,172.49	85.31
07 72 38 13-0596	EA	12" x 15" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,369.49	85.31
07 72 38 13-0597	EA	12" x 15" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,566.50	85.31
07 72 38 13-0598	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,636.02	101.99
07 72 38 13-0599	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,833.02	101.99
07 72 38 13-0600	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,030.02	101.99
07 72 38 13-0601	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,227.03	101.99
07 72 38 13-0602	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,424.03	101.99
07 72 38 13-0603	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,621.03	101.99
07 72 38 13-0604	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,818.03	101.99
07 72 38 13-0605	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 9/12 Slope	3,015.04	101.99
07 72 38 13-0606	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 8/12 Slope	3,212.04	101.99
07 72 38 13-0607	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,409.04	101.99
07 72 38 13-0608	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,606.04	101.99
07 72 38 13-0609	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,803.05	101.99
07 72 38 13-0610	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,913.60	114.73
07 72 38 13-0611	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,110.60	114.73
07 72 38 13-0612	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,307.60	114.73
07 72 38 13-0613	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,504.61	114.73
07 72 38 13-0614	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,701.61	114.73
07 72 38 13-0615	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,898.61	114.73
07 72 38 13-0616	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 10/12 Slope	3,095.61	114.73
07 72 38 13-0617	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 9/12 Slope	1,916.73	114.40
07 72 38 13-0618	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,026.82	114.40
07 72 38 13-0619	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,136.91	114.40
07 72 38 13-0620	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 6/12 Slope	2,247.00	114.40
07 72 38 13-0621	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 5/12 Slope	2,357.09	114.40
07 72 38 13-0622	EA	24" x 30" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,537.21	130.75
07 72 38 13-0623	EA	24" x 30" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,647.31	130.75
07 72 38 13-0624	EA	24" x 30" Arched Top Aluminum Dormer Vents, 14/12 Slope	1,757.40	130.75
07 72 38 13-0625	EA	24" x 30" Arched Top Aluminum Dormer Vents, 13/12 Slope	1,867.49	130.75
07 72 38 13-0626	EA	24" x 30" Arched Top Aluminum Dormer Vents, 12/12 Slope	1,977.58	130.75
07 72 38 13-0627	EA	24" x 30" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,087.67	130.75
07 72 38 13-0628	EA	24" x 30" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,197.77	130.75
07 72 38 13-0629	EA	24" x 30" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,307.86	130.75
07 72 38 13-0630	EA	24" x 30" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,417.95	130.75
07 72 38 13-0631	EA	24" x 30" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,528.04	130.75
07 72 38 13-0632	EA	24" x 30" Arched Top Aluminum Dormer Vents, 6/12 Slope	2,638.13	130.75
07 72 38 13-0633	EA	24" x 30" Arched Top Aluminum Dormer Vents, 5/12 Slope	2,748.23	130.75
07 72 38 13-0634	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,031.83	145.60
07 72 38 13-0635	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,141.92	145.60
07 72 38 13-0636	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,252.01	145.60
07 72 38 13-0637	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,362.10	145.60
07 72 38 13-0638	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,472.20	145.60
07 72 38 13-0639	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,582.29	145.60
07 72 38 13-0640	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,692.38	145.60
07 72 38 13-0641	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,802.47	145.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0642	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,912.56	145.60
07 72 38 13-0643	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,022.66	145.60
07 72 38 13-0644	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,132.75	145.60
07 72 38 13-0645	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,242.84	145.60
07 72 38 13-0646	EA	36" x 45" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,609.11	145.60
07 72 38 13-0647	EA	36" x 45" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,738.51	157.49
07 72 38 13-0648	EA	36" x 45" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,848.60	157.49
07 72 38 13-0649	EA	36" x 45" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,958.70	157.49
07 72 38 13-0650	EA	36" x 45" Arched Top Aluminum Dormer Vents, 12/12 Slope	3,068.79	157.49
07 72 38 13-0651	EA	36" x 45" Arched Top Aluminum Dormer Vents, 11/12 Slope	3,178.88	157.49
07 72 38 13-0652	EA	36" x 45" Arched Top Aluminum Dormer Vents, 10/12 Slope	3,288.97	157.49
07 72 38 13-0653	EA	36" x 45" Arched Top Aluminum Dormer Vents, 9/12 Slope	3,399.07	157.49
07 72 38 13-0654	EA	36" x 45" Arched Top Aluminum Dormer Vents, 8/12 Slope	3,509.16	157.49
07 72 38 13-0655	EA	36" x 45" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,619.25	157.49
07 72 38 13-0656	EA	36" x 45" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,729.34	157.49
07 72 38 13-0657	EA	36" x 45" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,839.43	157.49

07 72 38 13-0658 Hipped Roof Aluminum Roof Dormer Vent *(07 72 38 13-0220)*

07 72 38 13-0659	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	654.84	85.31
07 72 38 13-0660	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	748.62	85.31
07 72 38 13-0661	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	842.40	85.31
07 72 38 13-0662	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	936.18	85.31
07 72 38 13-0663	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,029.97	85.31
07 72 38 13-0664	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,123.75	85.31
07 72 38 13-0665	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,217.53	85.31
07 72 38 13-0666	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,311.31	85.31
07 72 38 13-0667	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,405.10	85.31
07 72 38 13-0668	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,498.88	85.31
07 72 38 13-0669	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,592.66	85.31
07 72 38 13-0670	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,686.45	85.31
07 72 38 13-0671	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	783.12	101.99
07 72 38 13-0672	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	876.90	101.99
07 72 38 13-0673	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	970.68	101.99
07 72 38 13-0674	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,064.47	101.99
07 72 38 13-0675	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,158.25	101.99
07 72 38 13-0676	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,252.03	101.99
07 72 38 13-0677	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,345.82	101.99
07 72 38 13-0678	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,439.60	101.99
07 72 38 13-0679	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,533.38	101.99
07 72 38 13-0680	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,627.16	101.99
07 72 38 13-0681	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,720.95	101.99
07 72 38 13-0682	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,814.73	101.99
07 72 38 13-0683	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	980.39	114.73
07 72 38 13-0684	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,074.17	114.73
07 72 38 13-0685	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,167.95	114.73
07 72 38 13-0686	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,261.74	114.73
07 72 38 13-0687	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,355.52	114.73
07 72 38 13-0688	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,449.30	114.73
07 72 38 13-0689	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,543.08	114.73
07 72 38 13-0690	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,636.87	114.73
07 72 38 13-0691	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,730.65	114.73
07 72 38 13-0692	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,824.43	114.73
07 72 38 13-0693	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,918.22	114.73
07 72 38 13-0694	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	2,012.00	114.73
07 72 38 13-0695	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	1,397.52	130.42
07 72 38 13-0696	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,491.30	130.42
07 72 38 13-0697	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,585.08	130.42
07 72 38 13-0698	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,678.87	130.42
07 72 38 13-0699	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,772.65	130.42
07 72 38 13-0700	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,866.43	130.42
07 72 38 13-0701	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,960.21	130.42
07 72 38 13-0702	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,054.00	130.42
07 72 38 13-0703	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	2,147.78	130.42
07 72 38 13-0704	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	2,241.56	130.42
07 72 38 13-0705	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	2,335.35	130.42
07 72 38 13-0706	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	2,429.13	130.42
07 72 38 13-0707	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	1,831.90	145.13
07 72 38 13-0708	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,925.68	145.13
07 72 38 13-0709	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	2,019.46	145.13
07 72 38 13-0710	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	2,113.25	145.13
07 72 38 13-0711	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	2,207.03	145.13
07 72 38 13-0712	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	2,300.81	145.13
07 72 38 13-0713	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	2,394.60	145.13
07 72 38 13-0714	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,488.38	145.13
07 72 38 13-0715	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	2,582.16	145.13
07 72 38 13-0716	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	2,675.94	145.13
07 72 38 13-0717	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	2,769.73	145.13
07 72 38 13-0718	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	2,863.51	145.13
07 72 38 13-0719	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	2,318.92	145.13
07 72 38 13-0720	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	2,432.01	157.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0721	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	2,525.79	157.88
07 72 38 13-0722	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	2,619.58	157.88
07 72 38 13-0723	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	2,713.36	157.88
07 72 38 13-0724	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	2,807.14	157.88
07 72 38 13-0725	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	2,900.92	157.88
07 72 38 13-0726	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,994.71	157.88
07 72 38 13-0727	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	3,088.49	157.88
07 72 38 13-0728	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	3,182.27	157.88
07 72 38 13-0729	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	3,276.05	157.88
07 72 38 13-0730	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	3,369.84	157.88

07 72 38 13-0731 Galvanized Steel Fire And Ember Dormer Vent *(07 72 38 13)*

07 72 38 13-0732	EA	14" x 9" Galvanized Steel, Fire And Ember Eyebrow Low Profile Dormer Vents Note: Includes fire caulking	337.53	130.75

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	14.35	3.61
		For Diamond Surface, Add	*1.20*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	15.93	4.33
		For Diamond Surface, Add	*1.39*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	17.58	4.33
		For Diamond Surface, Add	*1.55*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs *(07 72 53)*

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	27.19	3.72
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	29.67	3.72
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	28.03	3.72
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	16.56	3.72

07 72 53 00-0006 Snow Guards For Metal Roofs *(07 72 53)*

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	29.30	5.30
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	32.60	5.30
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	48.18	5.30
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	47.48	5.30
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	44.57	6.20
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	48.72	6.20
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	60.90	6.20
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	25.60	4.65
		For Mechanically Fastened, Add	*9.28*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	29.02	4.65
		For Mechanically Fastened, Add	*9.28*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	40.65	4.65
		For Mechanically Fastened, Add	*9.28*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing.	15.40	4.65
		For Mechanically Fastened, Add	*12.38*	

07 72 53 00-0018 Snow Breaker For Roofs *(07 72 53)*

07 72 53 00-0019	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	19.70	6.20
07 72 53 00-0020	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.51	6.20
07 72 53 00-0021	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.92	6.20
07 72 53 00-0022	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.21	6.20

07 72 53 00-0023 Ice Breaker For Vents *(07 72 53)*

07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	158.46	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	181.94	

07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*

07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0026)*

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	75.01	18.57
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	89.60	18.57
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	101.25	18.57
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	126.30	18.57
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	129.96	22.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0033		**Tubing For Snow Guard Clamps** *(07 72 53 00-0026)*		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	15.50	4.46
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	30.98	4.46
07 72 56		**Snow/Ice Melt Cable** *(07 72)*		
07 72 56 00-0001		**Self Regulating Heating Cable For Roofs And Gutters** *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	18.12	1.36
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	19.48	1.36
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	281.78	101.83
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	215.07	74.67
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	10.50	4.07
		For >5, Deduct	*-0.81*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	9.85	4.07
		For >5, Deduct	*-0.75*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	70.33	10.18
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,142.49	81.47
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,567.60	101.83
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		**Rooftop Oil And Grease Containment System** *(07 72 63)*		
07 72 63 00-0002		**Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)** *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,431.58	298.33
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,819.99	298.33
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,662.06	310.26
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,639.86	310.26
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	6,029.87	335.62
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,736.64	335.62
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	5,289.43	397.67
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,752.38	497.16
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,572.88	497.16
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	12,070.51	497.16
07 72 63 00-0013		**Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)** *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	4,191.86	298.33
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,696.95	298.33
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,777.68	310.26
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,877.61	310.26
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	8,344.35	335.62
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	9,138.05	335.62
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,530.81	397.67
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,628.38	497.16
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,998.36	497.16
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	15,245.28	497.16
07 72 63 00-0024		**Replacement Filter Sets For Rooftop Oil And Grease Containment System** *(07 72 63)* Note: Includes removing old filters and installing new filters.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	279.77	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	390.79	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	557.28	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	516.69	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	960.72	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	971.81	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	753.63	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	975.64	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,425.22	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,874.79	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	579.65	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	768.37	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,112.50	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	1,038.60	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,987.70	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,998.79	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,486.43	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	2,002.61	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,929.51	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,895.27	
07 72 63 00-0049		Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	718.42	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	890.48	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,301.19	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,232.87	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,392.87	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,381.78	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,741.76	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,407.78	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,373.54	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,688.97	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002		Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.76	0.75
		For No Adhesive, Deduct	*-1.02*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.37	0.82
		For No Adhesive, Deduct	*-1.05*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.68	0.90
		For No Adhesive, Deduct	*-1.08*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.83	0.75
		For No Adhesive, Deduct	*-1.02*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.47	0.82
		For No Adhesive, Deduct	*-1.05*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.77	0.90
		For No Adhesive, Deduct	*-1.08*	
07 73 00 00-0009		Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.66	0.75
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.31	0.82
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.63	0.90
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.72	0.75
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.40	0.82
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.72	0.90
07 73 00 00-0016		Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.59	0.75
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.20	0.82
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.90*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.50	0.90
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.65	0.75
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.29	0.82
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.90*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.59	0.90
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.86*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.28*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.68*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	14.85	9.38
		For 1-1/2" Thickness, Deduct	*-1.49*	
		For 2-1/2" Thickness, Add	*1.61*	
		For 3" Thickness, Add	*3.23*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	13.28	7.08
		For 1-1/2" Thickness, Deduct	*-1.33*	
		For 2-1/2" Thickness, Add	*1.45*	
		For 3" Thickness, Add	*2.90*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	12.42	5.63
		For 1-1/2" Thickness, Deduct	*-1.24*	
		For 2-1/2" Thickness, Add	*1.36*	
		For 3" Thickness, Add	*2.72*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	11.92	4.91
		For 1-1/2" Thickness, Deduct	*-1.19*	
		For 2-1/2" Thickness, Add	*1.30*	
		For 3" Thickness, Add	*2.60*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	11.28	4.47
		For 1-1/2" Thickness, Deduct	*-1.13*	
		For 2-1/2" Thickness, Add	*1.23*	
		For 3" Thickness, Add	*2.46*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	28.64	1.49
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	30.13	1.49
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	31.62	1.49
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.77	1.49
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	14.57	1.49
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	14.90	1.49
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	8.33	1.49
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	11.40	1.49

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	6.82	
		For 20 Year Warranty, Deduct	*-0.38*	
		For 15 Year Warranty, Deduct	*-0.77*	
		For 10 Year Warranty, Deduct	*-1.04*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	8.82	
		For 20 Year Warranty, Deduct	*-0.54*	
		For 15 Year Warranty, Deduct	*-1.10*	
		For 10 Year Warranty, Deduct	*-1.48*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	10.39	
		For 20 Year Warranty, Deduct	*-0.63*	
		For 15 Year Warranty, Deduct	*-1.27*	
		For 10 Year Warranty, Deduct	*-1.72*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	12.50	
		For 20 Year Warranty, Deduct	*-0.79*	
		For 15 Year Warranty, Deduct	*-1.60*	
		For 10 Year Warranty, Deduct	*-2.16*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.43	0.86
		For >10,000, Deduct	*-0.16*	
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel/Beams, Per Inch Of Thickness	3.41	1.28
		For >10,000, Deduct	*-0.21*	
07 81 16 00-0004	SF	Monokote Fireproofing For Columns, Per Inch Of Thickness	3.86	1.28
		For >10,000, Deduct	*-0.23*	

07 81 16 00-0005 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0006	SF	Non-Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	3.61	0.80
		For >10,000, Deduct	*-0.30*	
07 81 16 00-0007	SF	Non-Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	4.07	0.80
		For >10,000, Deduct	*-0.33*	
07 81 16 00-0008	SF	Non-Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	4.58	0.80
		For >10,000, Deduct	*-0.35*	
07 81 16 00-0009	SF	Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	5.13	0.80
		For >10,000, Deduct	*-0.46*	
07 81 16 00-0010	SF	Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	5.59	0.80
		For >10,000, Deduct	*-0.48*	
07 81 16 00-0011	SF	Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	6.10	0.80
		For >10,000, Deduct	*-0.50*	

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.63	
		For >10,000, Deduct	*-1.78*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.88	
		For >10,000, Deduct	*-2.90*	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	12.13	
		For >10,000, Deduct	*-1.13*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.79	
		For >10,000, Deduct	*-2.59*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	60.51	
		For >10,000, Deduct	*-5.95*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	83.26	
		For >10,000, Deduct	*-8.22*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	106.04	
		For >10,000, Deduct	*-10.49*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	128.83	
		For >10,000, Deduct	*-12.77*	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	24.41	
		For >10,000, Deduct	*-2.35*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	45.29	
		For >10,000, Deduct	*-4.44*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	71.84	
		For >10,000, Deduct	*-7.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	100.28	
		For >10,000, Deduct	*-9.92*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	126.83	
		For >10,000, Deduct	*-12.57*	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*

Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.85	
		For >10,000, Deduct	*-1.13*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.92	
		For >10,000, Deduct	*-2.63*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	61.60	
		For >10,000, Deduct	*-6.09*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	84.99	
		For >10,000, Deduct	*-8.42*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	108.43	
		For >10,000, Deduct	*-10.76*	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001 Cellulose Fireproofing *(07 81 33)*

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.80	0.89

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	75.37	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	99.96	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	159.78	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	134.03	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	232.71	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	423.12	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	302.34	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	280.61	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	288.86	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	45.98	13.54
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	55.08	13.54
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	63.97	14.89
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	99.31	16.93
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	479.84	20.31
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	619.41	22.35

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	195.44	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	206.59	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	399.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	255.64	
07 84 13 16-0026		Intumescent Firestopping Wrap Strips *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	7.13	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.82	
		For Intumescent Sealant For Plastic Pipe, Add	*0.08*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.39	
		For Intumescent Sealant For Plastic Pipe, Add	*0.41*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.13	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.70	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.86	
		For Intumescent Sealant For Plastic Pipe, Add	*0.88*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.59	
		For Intumescent Sealant For Plastic Pipe, Add	*0.78*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.16	
		For Intumescent Sealant For Plastic Pipe, Add	*0.60*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.49	
		For Intumescent Sealant For Plastic Pipe, Add	*0.34*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.91	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.52	
		For Intumescent Sealant For Plastic Pipe, Add	*1.48*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.26	
		For Intumescent Sealant For Plastic Pipe, Add	*1.38*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.82	
		For Intumescent Sealant For Plastic Pipe, Add	*1.20*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.15	
		For Intumescent Sealant For Plastic Pipe, Add	*0.94*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.58	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.22	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	67.25	
		For Intumescent Sealant For Plastic Pipe, Add	*4.00*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.55	
		For Intumescent Sealant For Plastic Pipe, Add	*2.12*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.12	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	61.44	
		For Intumescent Sealant For Plastic Pipe, Add	*1.67*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	60.87	
		For Intumescent Sealant For Plastic Pipe, Add	*1.44*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.51	
		For Intumescent Sealant For Plastic Pipe, Add	*0.90*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.75	
		For Intumescent Sealant For Plastic Pipe, Add	*0.20*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	90.00	
		For Intumescent Sealant For Plastic Pipe, Add	*7.37*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	89.52	
		For Intumescent Sealant For Plastic Pipe, Add	*7.18*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	88.75	
		For Intumescent Sealant For Plastic Pipe, Add	*6.87*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.53	
		For Intumescent Sealant For Plastic Pipe, Add	*6.38*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	86.50	
		For Intumescent Sealant For Plastic Pipe, Add	*5.97*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	78.50	
		For Intumescent Sealant For Plastic Pipe, Add	*2.77*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.75	
		For Intumescent Sealant For Plastic Pipe, Add	*2.07*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	74.08	
		For Intumescent Sealant For Plastic Pipe, Add	*1.00*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	142.73	
		For Intumescent Sealant For Plastic Pipe, Add	*17.01*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	142.26	
		For Intumescent Sealant For Plastic Pipe, Add	*16.82*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	141.48	
		For Intumescent Sealant For Plastic Pipe, Add	*16.51*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	140.27	
		For Intumescent Sealant For Plastic Pipe, Add	*16.02*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	139.24	
		For Intumescent Sealant For Plastic Pipe, Add	*15.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	136.79	
		For Intumescent Sealant For Plastic Pipe, Add	*14.63*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.63	
		For Intumescent Sealant For Plastic Pipe, Add	*13.37*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	128.83	
		For Intumescent Sealant For Plastic Pipe, Add	*11.45*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	110.76	
		For Intumescent Sealant For Plastic Pipe, Add	*4.22*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	188.82	
		For Intumescent Sealant For Plastic Pipe, Add	*26.86*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	184.02	
		For Intumescent Sealant For Plastic Pipe, Add	*24.94*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	174.38	
		For Intumescent Sealant For Plastic Pipe, Add	*21.08*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	135.09	
		For Intumescent Sealant For Plastic Pipe, Add	*5.37*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	239.25	
		For Intumescent Sealant For Plastic Pipe, Add	*38.44*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	210.67	
		For Intumescent Sealant For Plastic Pipe, Add	*27.01*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	160.24	
		For Intumescent Sealant For Plastic Pipe, Add	*6.84*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.71
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.61
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.48
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.39
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.29
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.15
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.94
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.75
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	47.09
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.99
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.85
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.64
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.46
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.99
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.15
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.06
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.92
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.71
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.52
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.05
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.40
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	75.09
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.99
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.85
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.62
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.40
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.94
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	72.41	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	108.32	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	108.21	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	108.08	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.87	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.69	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.22	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.57	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.70	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.80	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	134.48	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	133.60	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	131.69	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	126.31	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	161.48	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	156.09	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	148.97	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	43.08	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	60.39	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	63.26	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	66.12	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	68.98	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	86.29	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	17.81	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	18.42	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	17.29	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	18.46	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	18.00	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	17.37	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	41.50	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	44.47	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	48.13	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	384.33	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	536.30	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	721.14	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	59.53	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	162.78	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	190.35	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

Note: Includes 7" depth of silicone foam barrier and 1" depth backer board

07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	52.51	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	111.97	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	197.30	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	290.44	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	409.32	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	550.41	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	488.81	128.84
		For Up To 6 CLF, Add	*27.00*	
		For >30 CLF, Deduct	*-29.56*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*15.35*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	540.00	128.84
		For Up To 4 CLF, Add	*30.84*	
		For >20 CLF, Deduct	*-34.67*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*23.02*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	605.46	133.13
		For Up To 3 CLF, Add	*35.39*	
		For >15 CLF, Deduct	*-40.51*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*30.70*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	631.04	133.13
		For Up To 2.5 CLF, Add	*37.31*	
		For >13 CLF, Deduct	*-43.06*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*34.53*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	707.79	133.13
		For Up To 2 CLF, Add	*43.06*	
		For >10 CLF, Deduct	*-50.74*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*46.05*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	784.53	133.13
		For Up To 1.5 CLF, Add	*48.82*	
		For >8 CLF, Deduct	*-58.41*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*57.56*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	875.59	138.85
		For Up To 1.3 CLF, Add	*55.29*	
		For >7 CLF, Deduct	*-66.80*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*69.07*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	824.43	138.85
		For Up To 1.4 CLF, Add	*51.45*	
		For >7.5 CLF, Deduct	*-61.69*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*61.40*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	941.08	143.15
		For Up To 1.15 CLF, Add	*59.84*	
		For >6 CLF, Deduct	*-72.64*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*76.74*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,043.40	143.15
		For Up To 1 CLF, Add	*67.52*	
		For >5 CLF, Deduct	*-82.87*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*92.09*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,160.04	147.45
		For Up To 0.8 CLF, Add	*75.91*	
		For >4.5 CLF, Deduct	*-93.82*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*107.44*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,276.68	153.17
		For Up To 0.75 CLF, Add	*84.30*	
		For >4 CLF, Deduct	*-104.76*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*122.79*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,393.32	157.46
		For Up To 0.65 CLF, Add	*92.69*	
		For >3.5 CLF, Deduct	*-115.71*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*138.14*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,743.23	171.78
		For Up To 0.5 CLF, Add	*117.86*	
		For >2.5 CLF, Deduct	*-148.56*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*184.19*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,209.80	190.39
		For Up To 0.4 CLF, Add	*151.42*	
		For >2 CLF, Deduct	*-192.35*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*245.58*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	503.06	128.84
		For Up To 6 CLF, Add	*28.07*	
		For >30 CLF, Deduct	*-30.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	561.34	128.84
		For Up To 4 CLF, Add	*32.44*	
		For >20 CLF, Deduct	*-36.81*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	633.91	133.13
		For Up To 3 CLF, Add	*37.52*	
		For >15 CLF, Deduct	*-43.35*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	663.05	133.13
		For Up To 2.5 CLF, Add	*39.71*	
		For >13 CLF, Deduct	*-46.26*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	750.47	133.13
		For Up To 2 CLF, Add	*46.27*	
		For >10 CLF, Deduct	*-55.01*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	837.88	133.13
		For Up To 1.5 CLF, Add	*52.82*	
		For >8 CLF, Deduct	*-63.75*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	939.62	138.85
		For Up To 1.3 CLF, Add	*60.09*	
		For >7 CLF, Deduct	*-73.21*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	881.34	138.85
		For Up To 1.4 CLF, Add	*55.72*	
		For >7.5 CLF, Deduct	*-67.38*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,012.21	143.15
		For Up To 1.15 CLF, Add	*65.18*	
		For >6 CLF, Deduct	*-79.75*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,128.76	143.15
		For Up To 1 CLF, Add	*73.92*	
		For >5 CLF, Deduct	*-91.40*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,259.63	147.45
		For Up To 0.8 CLF, Add	*83.38*	
		For >4.5 CLF, Deduct	*-103.78*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,390.50	153.17
		For Up To 0.75 CLF, Add	*92.84*	
		For >4 CLF, Deduct	*-116.15*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,521.36	157.46
		For Up To 0.65 CLF, Add	*102.29*	
		For >3.5 CLF, Deduct	*-128.52*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,913.96	171.78
		For Up To 0.5 CLF, Add	*130.66*	
		For >2.5 CLF, Deduct	*-165.63*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,437.43	190.39
		For Up To 0.4 CLF, Add	*168.49*	
		For >2 CLF, Deduct	*-215.11*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	446.80	128.84
		For Up To 6 CLF, Add	*23.85*	
		For >30 CLF, Deduct	*-25.35*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	476.94	128.84
		For Up To 4 CLF, Add	*26.11*	
		For >20 CLF, Deduct	*-28.37*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	521.38	133.13
		For Up To 3 CLF, Add	*29.08*	
		For >15 CLF, Deduct	*-32.10*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	536.45	133.13
		For Up To 2.5 CLF, Add	*30.21*	
		For >13 CLF, Deduct	*-33.60*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	581.67	133.13
		For Up To 2 CLF, Add	*33.61*	
		For >10 CLF, Deduct	*-38.13*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	626.88	133.13
		For Up To 1.5 CLF, Add	*37.00*	
		For >8 CLF, Deduct	*-42.65*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	686.42	138.85
		For Up To 1.3 CLF, Add	*41.10*	
		For >7 CLF, Deduct	*-47.89*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	656.27	138.85
		For Up To 1.4 CLF, Add	*38.84*	
		For >7.5 CLF, Deduct	*-44.87*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	730.88	143.15
		For Up To 1.15 CLF, Add	*44.08*	
		For >6 CLF, Deduct	*-51.62*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	791.16	143.15
		For Up To 1 CLF, Add	*48.60*	
		For >5 CLF, Deduct	*-57.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	865.76	147.45
		For Up To 0.8 CLF, Add	*53.84*	
		For >4.5 CLF, Deduct	*-64.39*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	940.37	153.17
		For Up To 0.75 CLF, Add	*59.08*	
		For >4 CLF, Deduct	*-71.13*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,014.96	157.46
		For Up To 0.65 CLF, Add	*64.31*	
		For >3.5 CLF, Deduct	*-77.88*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,238.76	171.78
		For Up To 0.5 CLF, Add	*80.02*	
		For >2.5 CLF, Deduct	*-98.11*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,537.16	190.39
		For Up To 0.4 CLF, Add	*100.97*	
		For >2 CLF, Deduct	*-125.09*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	12.17	
		For Work In Restricted Working Space, Add	*1.71*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	19.14	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.71*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	20.81	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.71*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	23.63	14.29
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-3.58*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	27.35	14.29
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-4.95*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	31.43	14.29
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-3.78*	
		For >5,000, Deduct	*-6.46*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	35.51	14.29
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-4.72*	
		For >5,000, Deduct	*-7.97*	

07 86 Smoke Seals *(07 80)*

07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) *(07 86)*

Note: Mildew Resistant; Mold Resistant

07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	460.46	128.84
		For Up To 6 CLF, Add	*24.87*	
		For >30 CLF, Deduct	*-26.72*	
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	497.46	128.84
		For Up To 4 CLF, Add	*27.65*	
		For >20 CLF, Deduct	*-30.42*	
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	548.73	133.13
		For Up To 3 CLF, Add	*31.13*	
		For >15 CLF, Deduct	*-34.83*	
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	567.22	133.13
		For Up To 2.5 CLF, Add	*32.52*	
		For >13 CLF, Deduct	*-36.68*	
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	622.70	133.13
		For Up To 2 CLF, Add	*36.68*	
		For >10 CLF, Deduct	*-42.23*	
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	678.17	133.13
		For Up To 1.5 CLF, Add	*40.84*	
		For >8 CLF, Deduct	*-47.78*	
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	747.96	138.85
		For Up To 1.3 CLF, Add	*45.72*	
		For >7 CLF, Deduct	*-54.04*	
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	710.98	138.85
		For Up To 1.4 CLF, Add	*42.95*	
		For >7.5 CLF, Deduct	*-50.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	799.26	143.15
		For Up To 1.15 CLF, Add	*49.21*	
		For >6 CLF, Deduct	*-58.45*	
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	873.22	143.15
		For Up To 1 CLF, Add	*54.76*	
		For >5 CLF, Deduct	*-65.85*	
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	961.50	147.45
		For Up To 0.8 CLF, Add	*61.02*	
		For >4.5 CLF, Deduct	*-73.96*	
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,049.78	153.17
		For Up To 0.75 CLF, Add	*67.28*	
		For >4 CLF, Deduct	*-82.07*	
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	1,138.05	157.46
		For Up To 0.65 CLF, Add	*73.54*	
		For >3.5 CLF, Deduct	*-90.19*	
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,402.88	171.78
		For Up To 0.5 CLF, Add	*92.33*	
		For >2.5 CLF, Deduct	*-114.52*	
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,755.99	190.39
		For Up To 0.4 CLF, Add	*117.38*	
		For >2 CLF, Deduct	*-146.97*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.70	0.74
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.91	0.74
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	3.23	0.74
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.76	0.74
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.93	0.89
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	4.38	0.89
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.54	0.89
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.66	1.04
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.91	1.19
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.82	1.34
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	22.30	1.64

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	3.40	0.89
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	10.27	2.53
		For Custom Match Coloring, Add	*0.24*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	12.44	2.67
		For Custom Match Coloring, Add	*0.38*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	13.55	2.82
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	18.20	5.20

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	588.67	171.65
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	925.81	247.96
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	749.33	212.56
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	848.71	223.12
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,296.31	343.30
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,469.77	371.86
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,284.77	270.42

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	615.01	212.56
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,083.86	343.30
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	816.64	293.03
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	1,015.53	309.38
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,543.62	474.49
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,835.61	514.95
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,476.93	617.29

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	183.74	34.06
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	367.49	67.98
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	547.38	100.99
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	770.20	136.10
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	183.74	34.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	546.78	100.70
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	926.14	151.27
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,849.59	301.51
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,494.28	544.26
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	5,350.83	850.23
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,913.10	1,360.41
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	6.35	1.93
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	6.73	1.93
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	7.07	2.09
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	7.44	2.24
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	7.95	2.39
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	8.31	2.39
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	8.76	2.54
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	9.03	2.54

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001		Expansion Joint Seal Systems (Wabo®) *(07 91 33)*		
07 91 33 00-0002		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	103.21	9.08
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	137.74	9.51
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	174.14	9.94
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	214.65	10.37
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	278.13	10.81
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	319.32	11.23
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	370.39	11.67
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	53.32	9.08
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	58.12	9.20
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	70.04	9.33
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	74.29	9.51
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	79.32	9.64
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	96.99	9.77
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	119.38	9.94
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	141.05	10.37
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	159.57	10.81
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	44.82	9.08
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	57.98	9.51
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	70.90	9.94
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	74.84	10.16
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	82.92	10.37
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	118.45	10.81
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	162.39	11.23

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0028			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
			Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029		LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	37.99	3.61
07 91 33 00-0030		LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	63.56	3.75
07 91 33 00-0031		LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	95.55	3.89
07 91 33 00-0032		LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	120.43	4.03
07 91 33 00-0033		LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	158.40	4.17
07 91 33 00-0034		LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	209.46	4.33
07 91 33 00-0035		LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	256.85	4.47
07 91 33 00-0036		LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	346.29	4.61
07 91 33 00-0037		LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	404.26	4.75
07 91 33 00-0038			Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
			Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039		LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	37.07	3.61
07 91 33 00-0040		LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	48.86	3.75
07 91 33 00-0041		LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	65.45	3.89
07 91 33 00-0042		LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	88.72	4.03
07 91 33 00-0043		LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	101.19	4.17
07 91 33 00-0044		LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	140.30	4.33
07 91 33 00-0045		LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	188.38	4.47
07 91 33 00-0046		LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	203.38	4.61

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001			Silicone Sealant And Caulking *(07 92 13)*		
07 92 13 00-0002		CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	430.10	128.84
			For Custom Match Coloring, Add	*10.46*	
			For Up To 6 CLF, Add	*22.59*	
			For >30 CLF, Deduct	*-23.68*	
			For 1 Part Mildew Resistant, Add	*15.26*	
			For High-Modulus Non-Acid Curing, Add	*8.72*	
07 92 13 00-0003		CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	451.90	128.84
			For Custom Match Coloring, Add	*15.69*	
			For Up To 4 CLF, Add	*24.23*	
			For >20 CLF, Deduct	*-25.86*	
			For 1 Part Mildew Resistant, Add	*22.89*	
			For High-Modulus Non-Acid Curing, Add	*13.08*	
07 92 13 00-0004		CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	487.99	133.13
			For Custom Match Coloring, Add	*20.92*	
			For Up To 3 CLF, Add	*26.58*	
			For >15 CLF, Deduct	*-28.76*	
			For 1 Part Mildew Resistant, Add	*30.51*	
			For High-Modulus Non-Acid Curing, Add	*17.44*	
07 92 13 00-0005		CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	498.89	133.13
			For Custom Match Coloring, Add	*23.54*	
			For Up To 2.5 CLF, Add	*27.40*	
			For >13 CLF, Deduct	*-29.85*	
			For 1 Part Mildew Resistant, Add	*34.33*	
			For High-Modulus Non-Acid Curing, Add	*19.62*	
07 92 13 00-0006		CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	531.58	133.13
			For Custom Match Coloring, Add	*31.38*	
			For Up To 2 CLF, Add	*29.85*	
			For >10 CLF, Deduct	*-33.12*	
			For 1 Part Mildew Resistant, Add	*45.77*	
			For High-Modulus Non-Acid Curing, Add	*26.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	564.27	133.13
		For Custom Match Coloring, Add	*39.23*	
		For Up To 1.5 CLF, Add	*32.30*	
		For >8 CLF, Deduct	*-36.39*	
		For 1 Part Mildew Resistant, Add	*57.21*	
		For High-Modulus Non-Acid Curing, Add	*32.69*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	611.28	138.85
		For Custom Match Coloring, Add	*47.08*	
		For Up To 1.3 CLF, Add	*35.47*	
		For >7 CLF, Deduct	*-40.37*	
		For 1 Part Mildew Resistant, Add	*68.65*	
		For High-Modulus Non-Acid Curing, Add	*39.23*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	589.49	138.85
		For Custom Match Coloring, Add	*41.85*	
		For Up To 1.4 CLF, Add	*33.83*	
		For >7.5 CLF, Deduct	*-38.19*	
		For 1 Part Mildew Resistant, Add	*61.03*	
		For High-Modulus Non-Acid Curing, Add	*34.87*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	647.40	143.15
		For Custom Match Coloring, Add	*52.31*	
		For Up To 1.15 CLF, Add	*37.82*	
		For >6 CLF, Deduct	*-43.27*	
		For 1 Part Mildew Resistant, Add	*76.28*	
		For High-Modulus Non-Acid Curing, Add	*43.59*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	690.99	143.15
		For Custom Match Coloring, Add	*62.77*	
		For Up To 1 CLF, Add	*41.09*	
		For >5 CLF, Deduct	*-47.63*	
		For 1 Part Mildew Resistant, Add	*91.54*	
		For High-Modulus Non-Acid Curing, Add	*52.31*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	748.89	147.45
		For Custom Match Coloring, Add	*73.23*	
		For Up To 0.8 CLF, Add	*45.07*	
		For >4.5 CLF, Deduct	*-52.70*	
		For 1 Part Mildew Resistant, Add	*106.80*	
		For High-Modulus Non-Acid Curing, Add	*61.03*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	806.80	153.17
		For Custom Match Coloring, Add	*83.69*	
		For Up To 0.75 CLF, Add	*49.06*	
		For >4 CLF, Deduct	*-57.78*	
		For 1 Part Mildew Resistant, Add	*122.05*	
		For High-Modulus Non-Acid Curing, Add	*69.74*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	864.70	157.46
		For Custom Match Coloring, Add	*94.15*	
		For Up To 0.65 CLF, Add	*53.04*	
		For >3.5 CLF, Deduct	*-62.85*	
		For 1 Part Mildew Resistant, Add	*137.31*	
		For High-Modulus Non-Acid Curing, Add	*78.46*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,038.41	171.78
		For Custom Match Coloring, Add	*125.54*	
		For Up To 0.5 CLF, Add	*65.00*	
		For >2.5 CLF, Deduct	*-78.07*	
		For 1 Part Mildew Resistant, Add	*183.08*	
		For High-Modulus Non-Acid Curing, Add	*104.62*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,270.03	190.39
		For Custom Match Coloring, Add	*167.39*	
		For Up To 0.4 CLF, Add	*80.94*	
		For >2 CLF, Deduct	*-98.37*	
		For 1 Part Mildew Resistant, Add	*244.10*	
		For High-Modulus Non-Acid Curing, Add	*139.49*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	401.80	128.84
		For Up To 6 CLF, Add	*20.47*	
		For >30 CLF, Deduct	*-20.85*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	409.45	128.84
		For Up To 4 CLF, Add	*21.05*	
		For >20 CLF, Deduct	*-21.62*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	431.40	133.13
		For Up To 3 CLF, Add	*22.33*	
		For >15 CLF, Deduct	*-23.10*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	435.22	133.13
		For Up To 2.5 CLF, Add	*22.62*	
		For >13 CLF, Deduct	*-23.48*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	446.69	133.13
		For Up To 2 CLF, Add	*23.48*	
		For >10 CLF, Deduct	*-24.63*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	458.16	133.13
		For Up To 1.5 CLF, Add	*24.34*	
		For >8 CLF, Deduct	*-25.78*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	483.95	138.85
		For Up To 1.3 CLF, Add	*25.92*	
		For >7 CLF, Deduct	*-27.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	476.30	138.85
		For Up To 1.4 CLF, Add	*25.34*	
		For >7.5 CLF, Deduct	*-26.87*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	505.91	143.15
		For Up To 1.15 CLF, Add	*27.21*	
		For >6 CLF, Deduct	*-29.12*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	521.21	143.15
		For Up To 1 CLF, Add	*28.35*	
		For >5 CLF, Deduct	*-30.65*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	550.81	147.45
		For Up To 0.8 CLF, Add	*30.22*	
		For >4.5 CLF, Deduct	*-32.89*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	580.42	153.17
		For Up To 0.75 CLF, Add	*32.08*	
		For >4 CLF, Deduct	*-35.14*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	610.02	157.46
		For Up To 0.65 CLF, Add	*33.94*	
		For >3.5 CLF, Deduct	*-37.38*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	698.84	171.78
		For Up To 0.5 CLF, Add	*39.53*	
		For >2.5 CLF, Deduct	*-44.12*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	817.27	190.39
		For Up To 0.4 CLF, Add	*46.98*	
		For >2 CLF, Deduct	*-53.10*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	419.94	128.84
		For Up To 6 CLF, Add	*21.83*	
		For >30 CLF, Deduct	*-22.67*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	436.66	128.84
		For Up To 4 CLF, Add	*23.09*	
		For >20 CLF, Deduct	*-24.34*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	467.67	133.13
		For Up To 3 CLF, Add	*25.06*	
		For >15 CLF, Deduct	*-26.73*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	476.03	133.13
		For Up To 2.5 CLF, Add	*25.68*	
		For >13 CLF, Deduct	*-27.56*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	501.11	133.13
		For Up To 2 CLF, Add	*27.56*	
		For >10 CLF, Deduct	*-30.07*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	526.18	133.13
		For Up To 1.5 CLF, Add	*29.44*	
		For >8 CLF, Deduct	*-32.58*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	565.57	138.85
		For Up To 1.3 CLF, Add	*32.04*	
		For >7 CLF, Deduct	*-35.80*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	548.86	138.85
		For Up To 1.4 CLF, Add	*30.79*	
		For >7.5 CLF, Deduct	*-34.13*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	596.61	143.15
		For Up To 1.15 CLF, Add	*34.01*	
		For >6 CLF, Deduct	*-38.19*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	630.04	143.15
		For Up To 1 CLF, Add	*36.52*	
		For >5 CLF, Deduct	*-41.53*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	677.78	147.45
		For Up To 0.8 CLF, Add	*39.74*	
		For >4.5 CLF, Deduct	*-45.59*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	725.54	153.17
		For Up To 0.75 CLF, Add	*42.96*	
		For >4 CLF, Deduct	*-49.65*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	773.28	157.46
		For Up To 0.65 CLF, Add	*46.19*	
		For >3.5 CLF, Deduct	*-53.71*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	916.51	171.78
		For Up To 0.5 CLF, Add	*55.86*	
		For >2.5 CLF, Deduct	*-65.88*	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	423.11	128.84
		For Up To 6 CLF, Add	*22.07*	
		For >30 CLF, Deduct	*-22.99*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	441.43	128.84
		For Up To 4 CLF, Add	*23.44*	
		For >20 CLF, Deduct	*-24.82*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	474.04	133.13
		For Up To 3 CLF, Add	*25.53*	
		For >15 CLF, Deduct	*-27.36*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0052		CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	483.19	133.13
			For Up To 2.5 CLF, Add	*26.22*	
			For >13 CLF, Deduct	*-28.28*	
07 92 13 00-0053		CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	510.66	133.13
			For Up To 2 CLF, Add	*28.28*	
			For >10 CLF, Deduct	*-31.03*	
07 92 13 00-0054		CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	538.11	133.13
			For Up To 1.5 CLF, Add	*30.34*	
			For >8 CLF, Deduct	*-33.77*	
07 92 13 00-0055		CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	579.88	138.85
			For Up To 1.3 CLF, Add	*33.11*	
			For >7 CLF, Deduct	*-37.23*	
07 92 13 00-0056		CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	561.58	138.85
			For Up To 1.4 CLF, Add	*31.74*	
			For >7.5 CLF, Deduct	*-35.40*	
07 92 13 00-0057		CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	612.52	143.15
			For Up To 1.15 CLF, Add	*35.20*	
			For >6 CLF, Deduct	*-39.78*	
07 92 13 00-0058		CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	649.13	143.15
			For Up To 1 CLF, Add	*37.95*	
			For >5 CLF, Deduct	*-43.44*	
07 92 13 00-0059		CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	700.06	147.45
			For Up To 0.8 CLF, Add	*41.41*	
			For >4.5 CLF, Deduct	*-47.82*	
07 92 13 00-0060		CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	750.98	153.17
			For Up To 0.75 CLF, Add	*44.87*	
			For >4 CLF, Deduct	*-52.19*	
07 92 13 00-0061		CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	801.91	157.46
			For Up To 0.65 CLF, Add	*48.33*	
			For >3.5 CLF, Deduct	*-56.57*	
07 92 13 00-0062		CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	954.68	171.78
			For Up To 0.5 CLF, Add	*58.72*	
			For >2.5 CLF, Deduct	*-69.70*	

07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0064		CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	430.88	128.84
			For Up To 6 CLF, Add	*22.65*	
			For >30 CLF, Deduct	*-23.76*	
07 92 13 00-0065		CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	453.07	128.84
			For Up To 4 CLF, Add	*24.32*	
			For >20 CLF, Deduct	*-25.98*	
07 92 13 00-0066		CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	489.55	133.13
			For Up To 3 CLF, Add	*26.70*	
			For >15 CLF, Deduct	*-28.91*	
07 92 13 00-0067		CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	500.65	133.13
			For Up To 2.5 CLF, Add	*27.53*	
			For >13 CLF, Deduct	*-30.02*	
07 92 13 00-0068		CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	533.92	133.13
			For Up To 2 CLF, Add	*30.02*	
			For >10 CLF, Deduct	*-33.35*	
07 92 13 00-0069		CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	567.20	133.13
			For Up To 1.5 CLF, Add	*32.52*	
			For >8 CLF, Deduct	*-36.68*	
07 92 13 00-0070		CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	614.80	138.85
			For Up To 1.3 CLF, Add	*35.73*	
			For >7 CLF, Deduct	*-40.72*	
07 92 13 00-0071		CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	592.62	138.85
			For Up To 1.4 CLF, Add	*34.07*	
			For >7.5 CLF, Deduct	*-38.51*	
07 92 13 00-0072		CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	651.31	143.15
			For Up To 1.15 CLF, Add	*38.11*	
			For >6 CLF, Deduct	*-43.66*	
07 92 13 00-0073		CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	695.68	143.15
			For Up To 1 CLF, Add	*41.44*	
			For >5 CLF, Deduct	*-48.10*	
07 92 13 00-0074		CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	754.36	147.45
			For Up To 0.8 CLF, Add	*45.48*	
			For >4.5 CLF, Deduct	*-53.25*	
07 92 13 00-0075		CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	813.05	153.17
			For Up To 0.75 CLF, Add	*49.53*	
			For >4 CLF, Deduct	*-58.40*	
07 92 13 00-0076		CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	871.73	157.46
			For Up To 0.65 CLF, Add	*53.57*	
			For >3.5 CLF, Deduct	*-63.55*	
07 92 13 00-0077		CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,047.79	171.78
			For Up To 0.5 CLF, Add	*65.70*	
			For >2.5 CLF, Deduct	*-79.01*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	440.48	128.84
		For Custom Match Coloring, Add	*12.95*	
		For Up To 6 CLF, Add	*23.37*	
		For >30 CLF, Deduct	*-24.72*	
		For 1 Part Mildew Resistant, Add	*18.89*	
		For High-Modulus Non-Acid Curing, Add	*10.79*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	460.97	128.84
		For Custom Match Coloring, Add	*17.87*	
		For Up To 4 CLF, Add	*24.91*	
		For >20 CLF, Deduct	*-26.77*	
		For 1 Part Mildew Resistant, Add	*26.06*	
		For High-Modulus Non-Acid Curing, Add	*14.89*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	487.35	133.13
		For Custom Match Coloring, Add	*20.77*	
		For Up To 3 CLF, Add	*26.53*	
		For >15 CLF, Deduct	*-28.69*	
		For 1 Part Mildew Resistant, Add	*30.29*	
		For High-Modulus Non-Acid Curing, Add	*17.31*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	520.88	133.13
		For Custom Match Coloring, Add	*28.82*	
		For Up To 2.5 CLF, Add	*29.05*	
		For >13 CLF, Deduct	*-32.05*	
		For 1 Part Mildew Resistant, Add	*42.02*	
		For High-Modulus Non-Acid Curing, Add	*24.01*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	555.74	133.13
		For Custom Match Coloring, Add	*37.18*	
		For Up To 2 CLF, Add	*31.66*	
		For >10 CLF, Deduct	*-35.53*	
		For 1 Part Mildew Resistant, Add	*54.23*	
		For High-Modulus Non-Acid Curing, Add	*30.99*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	633.45	138.85
		For Custom Match Coloring, Add	*52.40*	
		For Up To 1.4 CLF, Add	*37.13*	
		For >7.5 CLF, Deduct	*-42.59*	
		For 1 Part Mildew Resistant, Add	*76.41*	
		For High-Modulus Non-Acid Curing, Add	*43.66*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	95.84	7.21
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	47.27	7.21
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	97.64	7.21

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	131.09	7.21
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	54.57	7.21
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	133.79	7.21

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	66.87	7.21
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	46.24	7.21
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	85.84	7.21

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	88.02	7.21
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	49.88	7.21
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	103.91	7.21

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	135.11	4.81
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	164.77	4.81
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	185.20	4.81

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	97.54	4.81
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	133.85	4.81
07 95 13 16-0009		**Flat Wall To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	70.86	4.81
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	92.65	4.81
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	118.94	4.81
07 95 13 16-0013		**Corner To Flat Wall** *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	65.42	4.81
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	79.94	4.81
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	120.76	4.81

END OF SECTION 07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*

Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	24.05
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	48.27
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	58.10

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	15.97
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	45.02
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	49.98
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	31.34
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	28.24
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	34.34
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing Note: Channel, spiral or coil balance.	105.95
		For Replacing Two Balances In One Window, Deduct	*-39.53*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	9.03

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	155.03
		For 9/16" To 1-1/16" Glazing Pocket, Add	*77.52*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	196.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	*98.12*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.64
		For 9/16" To 1-1/16" Glazing Pocket, Add	*113.82*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	290.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*145.22*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	376.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*188.40*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	480.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*240.40*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	510.23
		For 9/16" To 1-1/16" Glazing Pocket, Add	*255.12*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	284.16	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*70.47*	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	335.94	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*89.20*	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	378.81	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*103.48*	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	450.22	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*132.02*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	543.03	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*171.27*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	651.92	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*218.55*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	693.00	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*231.93*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	147.83	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	167.93	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	228.24	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	425.62	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	526.35	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	628.69	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	820.39	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	965.72	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	255.24	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	286.08	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	357.14	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	565.25	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	676.73	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	789.81	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	992.25	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,144.74	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	299.36	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	342.56	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	402.37	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	428.26	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	485.78	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	557.05	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	107.36	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	264.81	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	121.67	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	214.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	35.79	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	393.70	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	250.51	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	264.81	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	121.67	
08 05 13 00-0050		Door Modifications *(08 05 13)*		
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	115.45	
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	27.35	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	128.90	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	64.84	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,558.60	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door	121.74	
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame	238.70	
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame	144.08	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	93.65	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 13 Hollow Metal Doors and Frames *(08 11)*

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames *(08 11)*

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	947.21	196.93
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	961.58	204.08
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,402.26	204.08

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,436.95	114.57
		For Special Finished, Add	*138.06*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,514.55	114.57
08 11 63 23-0004	EA	Aluminum Screen Door	357.99	71.57
08 11 63 23-0005	SF	Repair Screen Door	15.95	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*
Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,728.37	600.83
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,008.92	600.83
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,475.87	600.83
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,986.52	600.83

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	820.24	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*90.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*72.65*	
		For Type 304 Stainless Steel Frame, Add	*1,100.48*	
		For Type 316 Stainless Steel Frame, Add	*1,282.10*	
		For Baked Enamel Finish, Add	*213.85*	
		For 18 Gauge Frame, Deduct	*-60.54*	
		For 14 Gauge Frame, Add	*151.35*	
		For 12 Gauge Frame, Add	*230.06*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	957.04	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*108.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*86.49*	
		For Type 304 Stainless Steel Frame, Add	*1,309.13*	
		For Type 316 Stainless Steel Frame, Add	*1,525.35*	
		For Baked Enamel Finish, Add	*251.67*	
		For 18 Gauge Frame, Deduct	*-72.07*	
		For 14 Gauge Frame, Add	*180.18*	
		For 12 Gauge Frame, Add	*273.88*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	982.89	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,330.60*	
		For Type 316 Stainless Steel Frame, Add	*1,550.28*	
		For Baked Enamel Finish, Add	*257.27*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,004.37	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,331.67*	
		For Type 316 Stainless Steel Frame, Add	*1,551.35*	
		For Baked Enamel Finish, Add	*260.49*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,023.07	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*111.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.25*	
		For Type 304 Stainless Steel Frame, Add	*1,352.79*	
		For Type 316 Stainless Steel Frame, Add	*1,575.92*	
		For Baked Enamel Finish, Add	*265.03*	
		For 18 Gauge Frame, Deduct	*-74.38*	
		For 14 Gauge Frame, Add	*185.95*	
		For 12 Gauge Frame, Add	*282.64*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,041.76	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.30*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*90.64*	
		For Type 304 Stainless Steel Frame, Add	*1,373.90*	
		For Type 316 Stainless Steel Frame, Add	*1,600.49*	
		For Baked Enamel Finish, Add	*269.56*	
		For 18 Gauge Frame, Deduct	*-75.53*	
		For 14 Gauge Frame, Add	*188.83*	
		For 12 Gauge Frame, Add	*287.02*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,107.98	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,468.03*	
		For Type 316 Stainless Steel Frame, Add	*1,710.20*	
		For Baked Enamel Finish, Add	*287.28*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,122.30	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,468.75*	
		For Type 316 Stainless Steel Frame, Add	*1,710.92*	
		For Baked Enamel Finish, Add	*289.43*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,165.44	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.32*	
		For Type 304 Stainless Steel Frame, Add	*1,521.34*	
		For Type 316 Stainless Steel Frame, Add	*1,772.15*	
		For Baked Enamel Finish, Add	*300.22*	
		For 18 Gauge Frame, Deduct	*-83.60*	
		For 14 Gauge Frame, Add	*209.01*	
		For 12 Gauge Frame, Add	*317.70*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,208.60	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,573.95*	
		For Type 316 Stainless Steel Frame, Add	*1,833.41*	
		For Baked Enamel Finish, Add	*311.02*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,222.91	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,574.67*	
		For Type 316 Stainless Steel Frame, Add	*1,834.13*	
		For Baked Enamel Finish, Add	*313.17*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,244.50	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*105.51*	
		For Type 304 Stainless Steel Frame, Add	*1,600.98*	
		For Type 316 Stainless Steel Frame, Add	*1,864.77*	
		For Baked Enamel Finish, Add	*318.57*	
		For 18 Gauge Frame, Deduct	*-87.93*	
		For 14 Gauge Frame, Add	*219.82*	
		For 12 Gauge Frame, Add	*334.13*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,266.07	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.24*	
		For Type 304 Stainless Steel Frame, Add	*1,627.28*	
		For Type 316 Stainless Steel Frame, Add	*1,895.39*	
		For Baked Enamel Finish, Add	*323.97*	
		For 18 Gauge Frame, Deduct	*-89.37*	
		For 14 Gauge Frame, Add	*223.43*	
		For 12 Gauge Frame, Add	*339.61*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,330.89	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*114.16*	
		For Type 304 Stainless Steel Frame, Add	*1,731.42*	
		For Type 316 Stainless Steel Frame, Add	*2,016.83*	
		For Baked Enamel Finish, Add	*342.34*	
		For 18 Gauge Frame, Deduct	*-95.14*	
		For 14 Gauge Frame, Add	*237.84*	
		For 12 Gauge Frame, Add	*361.52*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,395.71	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*151.35*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*121.08*	
		For Type 304 Stainless Steel Frame, Add	*1,835.57*	
		For Type 316 Stainless Steel Frame, Add	*2,138.28*	
		For Baked Enamel Finish, Add	*360.71*	
		For 18 Gauge Frame, Deduct	*-100.90*	
		For 14 Gauge Frame, Add	*252.26*	
		For 12 Gauge Frame, Add	*383.43*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	887.51	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,221.57*	
		For Type 316 Stainless Steel Frame, Add	*1,423.37*	
		For Baked Enamel Finish, Add	*234.03*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,037.12	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,453.27*	
		For Type 316 Stainless Steel Frame, Add	*1,693.52*	
		For Baked Enamel Finish, Add	*275.69*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,064.25	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,477.05*	
		For Type 316 Stainless Steel Frame, Add	*1,721.13*	
		For Baked Enamel Finish, Add	*281.68*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,085.73	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,478.12*	
		For Type 316 Stainless Steel Frame, Add	*1,722.21*	
		For Baked Enamel Finish, Add	*284.90*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,105.71	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,501.54*	
		For Type 316 Stainless Steel Frame, Add	*1,749.47*	
		For Baked Enamel Finish, Add	*289.82*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,125.69	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,524.97*	
		For Type 316 Stainless Steel Frame, Add	*1,776.75*	
		For Baked Enamel Finish, Add	*294.74*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,197.67	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,629.48*	
		For Type 316 Stainless Steel Frame, Add	*1,898.55*	
		For Baked Enamel Finish, Add	*314.19*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.99	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,630.19*	
		For Type 316 Stainless Steel Frame, Add	*1,899.27*	
		For Baked Enamel Finish, Add	*316.34*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.34	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,688.56*	
		For Type 316 Stainless Steel Frame, Add	*1,967.24*	
		For Baked Enamel Finish, Add	*328.09*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,304.70	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,746.93*	
		For Type 316 Stainless Steel Frame, Add	*2,035.22*	
		For Baked Enamel Finish, Add	*339.85*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,319.01	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,747.65*	
		For Type 316 Stainless Steel Frame, Add	*2,035.94*	
		For Baked Enamel Finish, Add	*342.00*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,342.20	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,776.84*	
		For Type 316 Stainless Steel Frame, Add	*2,069.94*	
		For Baked Enamel Finish, Add	*347.88*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,365.37	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,806.02*	
		For Type 316 Stainless Steel Frame, Add	*2,103.92*	
		For Baked Enamel Finish, Add	*353.76*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,436.60	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,921.70*	
		For Type 316 Stainless Steel Frame, Add	*2,238.82*	
		For Baked Enamel Finish, Add	*374.05*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,507.82	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,037.37*	
		For Type 316 Stainless Steel Frame, Add	*2,373.71*	
		For Baked Enamel Finish, Add	*394.34*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	887.51	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,221.57*	
		For Type 316 Stainless Steel Frame, Add	*1,423.37*	
		For Baked Enamel Finish, Add	*234.03*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,037.12	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,453.27*	
		For Type 316 Stainless Steel Frame, Add	*1,693.52*	
		For Baked Enamel Finish, Add	*275.69*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,064.25	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,477.05*	
		For Type 316 Stainless Steel Frame, Add	*1,721.13*	
		For Baked Enamel Finish, Add	*281.68*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,085.73	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,478.12*	
		For Type 316 Stainless Steel Frame, Add	*1,722.21*	
		For Baked Enamel Finish, Add	*284.90*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,105.71	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,501.54*	
		For Type 316 Stainless Steel Frame, Add	*1,749.47*	
		For Baked Enamel Finish, Add	*289.82*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,125.69	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,524.97*	
		For Type 316 Stainless Steel Frame, Add	*1,776.75*	
		For Baked Enamel Finish, Add	*294.74*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,197.67	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,629.48*	
		For Type 316 Stainless Steel Frame, Add	*1,898.55*	
		For Baked Enamel Finish, Add	*314.19*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.99	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,630.19*	
		For Type 316 Stainless Steel Frame, Add	*1,899.27*	
		For Baked Enamel Finish, Add	*316.34*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.34	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,688.56*	
		For Type 316 Stainless Steel Frame, Add	*1,967.24*	
		For Baked Enamel Finish, Add	*328.09*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,304.70	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,746.93*	
		For Type 316 Stainless Steel Frame, Add	*2,035.22*	
		For Baked Enamel Finish, Add	*339.85*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,319.01	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,747.65*	
		For Type 316 Stainless Steel Frame, Add	*2,035.94*	
		For Baked Enamel Finish, Add	*342.00*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,342.20	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,776.84*	
		For Type 316 Stainless Steel Frame, Add	*2,069.94*	
		For Baked Enamel Finish, Add	*347.88*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,365.37	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,806.02*	
		For Type 316 Stainless Steel Frame, Add	*2,103.92*	
		For Baked Enamel Finish, Add	*353.76*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,436.60	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,921.70*	
		For Type 316 Stainless Steel Frame, Add	*2,238.82*	
		For Baked Enamel Finish, Add	*374.05*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,507.82	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,037.37*	
		For Type 316 Stainless Steel Frame, Add	*2,373.71*	
		For Baked Enamel Finish, Add	*394.34*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	962.25	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.69*	
		For Type 304 Stainless Steel Frame, Add	*1,356.10*	
		For Type 316 Stainless Steel Frame, Add	*1,580.32*	
		For Baked Enamel Finish, Add	*256.45*	
		For 18 Gauge Frame, Deduct	*-74.74*	
		For 14 Gauge Frame, Add	*186.86*	
		For 12 Gauge Frame, Add	*284.02*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,126.10	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*133.47*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*106.77*	
		For Type 304 Stainless Steel Frame, Add	*1,613.44*	
		For Type 316 Stainless Steel Frame, Add	*1,880.37*	
		For Baked Enamel Finish, Add	*302.38*	
		For 18 Gauge Frame, Deduct	*-88.98*	
		For 14 Gauge Frame, Add	*222.45*	
		For 12 Gauge Frame, Add	*338.12*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,154.65	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,639.77*	
		For Type 316 Stainless Steel Frame, Add	*1,910.97*	
		For Baked Enamel Finish, Add	*308.80*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,176.13	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,640.84*	
		For Type 316 Stainless Steel Frame, Add	*1,912.05*	
		For Baked Enamel Finish, Add	*312.02*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,197.54	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*110.19*	
		For Type 304 Stainless Steel Frame, Add	*1,666.83*	
		For Type 316 Stainless Steel Frame, Add	*1,942.31*	
		For Baked Enamel Finish, Add	*317.37*	
		For 18 Gauge Frame, Deduct	*-91.83*	
		For 14 Gauge Frame, Add	*229.57*	
		For 12 Gauge Frame, Add	*348.94*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,218.94	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.88*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.90*	
		For Type 304 Stainless Steel Frame, Add	*1,692.82*	
		For Type 316 Stainless Steel Frame, Add	*1,972.57*	
		For Baked Enamel Finish, Add	*322.72*	
		For 18 Gauge Frame, Deduct	*-93.25*	
		For 14 Gauge Frame, Add	*233.13*	
		For 12 Gauge Frame, Add	*354.35*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,297.32	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,808.85*	
		For Type 316 Stainless Steel Frame, Add	*2,107.81*	
		For Baked Enamel Finish, Add	*344.08*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,311.64	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,809.56*	
		For Type 316 Stainless Steel Frame, Add	*2,108.53*	
		For Baked Enamel Finish, Add	*346.23*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,361.55	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*154.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*123.86*	
		For Type 304 Stainless Steel Frame, Add	*1,874.34*	
		For Type 316 Stainless Steel Frame, Add	*2,183.99*	
		For Baked Enamel Finish, Add	*359.06*	
		For 18 Gauge Frame, Deduct	*-103.22*	
		For 14 Gauge Frame, Add	*258.04*	
		For 12 Gauge Frame, Add	*392.22*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,411.47	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,939.12*	
		For Type 316 Stainless Steel Frame, Add	*2,259.44*	
		For Baked Enamel Finish, Add	*371.88*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,425.78	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,939.83*	
		For Type 316 Stainless Steel Frame, Add	*2,260.16*	
		For Baked Enamel Finish, Add	*374.03*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,450.75	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*162.83*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*130.26*	
		For Type 304 Stainless Steel Frame, Add	*1,972.23*	
		For Type 316 Stainless Steel Frame, Add	*2,297.89*	
		For Baked Enamel Finish, Add	*380.44*	
		For 18 Gauge Frame, Deduct	*-108.55*	
		For 14 Gauge Frame, Add	*271.39*	
		For 12 Gauge Frame, Add	*412.51*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,475.71	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.50*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*132.40*	
		For Type 304 Stainless Steel Frame, Add	*2,004.63*	
		For Type 316 Stainless Steel Frame, Add	*2,335.63*	
		For Baked Enamel Finish, Add	*386.86*	
		For 18 Gauge Frame, Deduct	*-110.33*	
		For 14 Gauge Frame, Add	*275.84*	
		For 12 Gauge Frame, Add	*419.27*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,554.05	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.18*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*140.94*	
		For Type 304 Stainless Steel Frame, Add	*2,133.11*	
		For Type 316 Stainless Steel Frame, Add	*2,485.47*	
		For Baked Enamel Finish, Add	*409.29*	
		For 18 Gauge Frame, Deduct	*-117.45*	
		For 14 Gauge Frame, Add	*293.63*	
		For 12 Gauge Frame, Add	*446.32*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,632.39	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*186.86*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*149.48*	
		For Type 304 Stainless Steel Frame, Add	*2,261.59*	
		For Type 316 Stainless Steel Frame, Add	*2,635.30*	
		For Baked Enamel Finish, Add	*431.71*	
		For 18 Gauge Frame, Deduct	*-124.57*	
		For 14 Gauge Frame, Add	*311.43*	
		For 12 Gauge Frame, Add	*473.37*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,279.76	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*159.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*127.79*	
		For Type 304 Stainless Steel Frame, Add	*1,927.62*	
		For Type 316 Stainless Steel Frame, Add	*2,247.09*	
		For Baked Enamel Finish, Add	*351.70*	
		For 18 Gauge Frame, Deduct	*-106.49*	
		For 14 Gauge Frame, Add	*266.23*	
		For 12 Gauge Frame, Add	*404.67*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,504.08	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*190.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*152.13*	
		For Type 304 Stainless Steel Frame, Add	*2,293.80*	
		For Type 316 Stainless Steel Frame, Add	*2,674.13*	
		For Baked Enamel Finish, Add	*415.78*	
		For 18 Gauge Frame, Deduct	*-126.78*	
		For 14 Gauge Frame, Add	*316.94*	
		For 12 Gauge Frame, Add	*481.75*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,538.68	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,331.02*	
		For Type 316 Stainless Steel Frame, Add	*2,717.44*	
		For Baked Enamel Finish, Add	*424.01*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,560.16	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,332.10*	
		For Type 316 Stainless Steel Frame, Add	*2,718.51*	
		For Baked Enamel Finish, Add	*427.23*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,587.62	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*196.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*157.00*	
		For Type 304 Stainless Steel Frame, Add	*2,368.98*	
		For Type 316 Stainless Steel Frame, Add	*2,761.48*	
		For Baked Enamel Finish, Add	*434.39*	
		For 18 Gauge Frame, Deduct	*-130.83*	
		For 14 Gauge Frame, Add	*327.09*	
		For 12 Gauge Frame, Add	*497.17*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,615.06	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.43*	
		For Type 304 Stainless Steel Frame, Add	*2,405.84*	
		For Type 316 Stainless Steel Frame, Add	*2,804.42*	
		For Baked Enamel Finish, Add	*441.55*	
		For 18 Gauge Frame, Deduct	*-132.86*	
		For 14 Gauge Frame, Add	*332.16*	
		For 12 Gauge Frame, Add	*504.88*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,720.66	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,570.86*	
		For Type 316 Stainless Steel Frame, Add	*2,996.83*	
		For Baked Enamel Finish, Add	*471.08*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,734.98	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,571.57*	
		For Type 316 Stainless Steel Frame, Add	*2,997.54*	
		For Baked Enamel Finish, Add	*473.23*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,800.01	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.59*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.47*	
		For Type 304 Stainless Steel Frame, Add	*2,663.57*	
		For Type 316 Stainless Steel Frame, Add	*3,104.75*	
		For Baked Enamel Finish, Add	*490.59*	
		For 18 Gauge Frame, Deduct	*-147.06*	
		For 14 Gauge Frame, Add	*367.65*	
		For 12 Gauge Frame, Add	*558.83*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,865.05	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,755.56*	
		For Type 316 Stainless Steel Frame, Add	*3,211.96*	
		For Baked Enamel Finish, Add	*507.96*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,879.36	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,756.28*	
		For Type 316 Stainless Steel Frame, Add	*3,212.67*	
		For Baked Enamel Finish, Add	*510.10*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,911.89	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*232.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*185.60*	
		For Type 304 Stainless Steel Frame, Add	*2,802.28*	
		For Type 316 Stainless Steel Frame, Add	*3,266.29*	
		For Baked Enamel Finish, Add	*518.79*	
		For 18 Gauge Frame, Deduct	*-154.67*	
		For 14 Gauge Frame, Add	*386.67*	
		For 12 Gauge Frame, Add	*587.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,944.40	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.80*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*188.64*	
		For Type 304 Stainless Steel Frame, Add	*2,848.27*	
		For Type 316 Stainless Steel Frame, Add	*3,319.88*	
		For Baked Enamel Finish, Add	*527.46*	
		For 18 Gauge Frame, Deduct	*-157.20*	
		For 14 Gauge Frame, Add	*393.01*	
		For 12 Gauge Frame, Add	*597.37*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,052.97	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*251.02*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*200.81*	
		For Type 304 Stainless Steel Frame, Add	*3,031.17*	
		For Type 316 Stainless Steel Frame, Add	*3,533.20*	
		For Baked Enamel Finish, Add	*558.96*	
		For 18 Gauge Frame, Deduct	*-167.34*	
		For 14 Gauge Frame, Add	*418.36*	
		For 12 Gauge Frame, Add	*635.91*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,161.57	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.99*	
		For Type 304 Stainless Steel Frame, Add	*3,214.12*	
		For Type 316 Stainless Steel Frame, Add	*3,746.58*	
		For Baked Enamel Finish, Add	*590.47*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.08	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*177.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*141.99*	
		For Type 304 Stainless Steel Frame, Add	*2,140.59*	
		For Type 316 Stainless Steel Frame, Add	*2,495.57*	
		For Baked Enamel Finish, Add	*387.20*	
		For 18 Gauge Frame, Deduct	*-118.33*	
		For 14 Gauge Frame, Add	*295.81*	
		For 12 Gauge Frame, Add	*449.64*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,644.94	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*211.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*169.04*	
		For Type 304 Stainless Steel Frame, Add	*2,547.35*	
		For Type 316 Stainless Steel Frame, Add	*2,969.94*	
		For Baked Enamel Finish, Add	*458.04*	
		For 18 Gauge Frame, Deduct	*-140.86*	
		For 14 Gauge Frame, Add	*352.16*	
		For 12 Gauge Frame, Add	*535.28*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,681.80	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,588.64*	
		For Type 316 Stainless Steel Frame, Add	*3,017.99*	
		For Baked Enamel Finish, Add	*466.95*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,703.28	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,589.71*	
		For Type 316 Stainless Steel Frame, Add	*3,019.06*	
		For Baked Enamel Finish, Add	*470.17*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.99	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*174.45*	
		For Type 304 Stainless Steel Frame, Add	*2,630.64*	
		For Type 316 Stainless Steel Frame, Add	*3,066.76*	
		For Baked Enamel Finish, Add	*478.01*	
		For 18 Gauge Frame, Deduct	*-145.37*	
		For 14 Gauge Frame, Add	*363.43*	
		For 12 Gauge Frame, Add	*552.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,762.68	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.44*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*177.15*	
		For Type 304 Stainless Steel Frame, Add	*2,671.55*	
		For Type 316 Stainless Steel Frame, Add	*3,114.43*	
		For Baked Enamel Finish, Add	*485.84*	
		For 18 Gauge Frame, Deduct	*-147.62*	
		For 14 Gauge Frame, Add	*369.06*	
		For 12 Gauge Frame, Add	*560.97*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,878.43	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,854.84*	
		For Type 316 Stainless Steel Frame, Add	*3,328.15*	
		For Baked Enamel Finish, Add	*518.42*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,892.75	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,855.56*	
		For Type 316 Stainless Steel Frame, Add	*3,328.86*	
		For Baked Enamel Finish, Add	*520.56*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,963.41	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.10*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.08*	
		For Type 304 Stainless Steel Frame, Add	*2,957.69*	
		For Type 316 Stainless Steel Frame, Add	*3,447.89*	
		For Baked Enamel Finish, Add	*539.61*	
		For 18 Gauge Frame, Deduct	*-163.40*	
		For 14 Gauge Frame, Add	*408.50*	
		For 12 Gauge Frame, Add	*620.92*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,034.09	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,059.83*	
		For Type 316 Stainless Steel Frame, Add	*3,566.94*	
		For Baked Enamel Finish, Add	*558.67*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,048.40	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,060.55*	
		For Type 316 Stainless Steel Frame, Add	*3,567.66*	
		For Baked Enamel Finish, Add	*560.81*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,083.74	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*257.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*206.22*	
		For Type 304 Stainless Steel Frame, Add	*3,111.61*	
		For Type 316 Stainless Steel Frame, Add	*3,627.17*	
		For Baked Enamel Finish, Add	*570.34*	
		For 18 Gauge Frame, Deduct	*-171.85*	
		For 14 Gauge Frame, Add	*429.63*	
		For 12 Gauge Frame, Add	*653.04*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,119.07	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.01*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*209.60*	
		For Type 304 Stainless Steel Frame, Add	*3,162.68*	
		For Type 316 Stainless Steel Frame, Add	*3,686.69*	
		For Baked Enamel Finish, Add	*579.87*	
		For 18 Gauge Frame, Deduct	*-174.67*	
		For 14 Gauge Frame, Add	*436.68*	
		For 12 Gauge Frame, Add	*663.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,238.90	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*278.91*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*223.12*	
		For Type 304 Stainless Steel Frame, Add	*3,365.84*	
		For Type 316 Stainless Steel Frame, Add	*3,923.65*	
		For Baked Enamel Finish, Add	*614.74*	
		For 18 Gauge Frame, Deduct	*-185.94*	
		For 14 Gauge Frame, Add	*464.84*	
		For 12 Gauge Frame, Add	*706.56*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,358.77	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*295.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*236.65*	
		For Type 304 Stainless Steel Frame, Add	*3,569.08*	
		For Type 316 Stainless Steel Frame, Add	*4,160.70*	
		For Baked Enamel Finish, Add	*649.63*	
		For 18 Gauge Frame, Deduct	*-197.21*	
		For 14 Gauge Frame, Add	*493.02*	
		For 12 Gauge Frame, Add	*749.39*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,359.63	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*171.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*137.38*	
		For Type 304 Stainless Steel Frame, Add	*2,071.38*	
		For Type 316 Stainless Steel Frame, Add	*2,414.82*	
		For Baked Enamel Finish, Add	*375.66*	
		For 18 Gauge Frame, Deduct	*-114.48*	
		For 14 Gauge Frame, Add	*286.20*	
		For 12 Gauge Frame, Add	*435.02*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,599.16	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.43*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*163.54*	
		For Type 304 Stainless Steel Frame, Add	*2,464.95*	
		For Type 316 Stainless Steel Frame, Add	*2,873.80*	
		For Baked Enamel Finish, Add	*444.30*	
		For 18 Gauge Frame, Deduct	*-136.29*	
		For 14 Gauge Frame, Add	*340.71*	
		For 12 Gauge Frame, Add	*517.88*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,635.29	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,504.92*	
		For Type 316 Stainless Steel Frame, Add	*2,920.32*	
		For Baked Enamel Finish, Add	*452.99*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,656.77	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,505.99*	
		For Type 316 Stainless Steel Frame, Add	*2,921.39*	
		For Baked Enamel Finish, Add	*456.21*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,685.74	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.97*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*168.78*	
		For Type 304 Stainless Steel Frame, Add	*2,545.59*	
		For Type 316 Stainless Steel Frame, Add	*2,967.53*	
		For Baked Enamel Finish, Add	*463.83*	
		For 18 Gauge Frame, Deduct	*-140.65*	
		For 14 Gauge Frame, Add	*351.62*	
		For 12 Gauge Frame, Add	*534.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,714.71	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.24*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.39*	
		For Type 304 Stainless Steel Frame, Add	*2,585.21*	
		For Type 316 Stainless Steel Frame, Add	*3,013.69*	
		For Baked Enamel Finish, Add	*471.45*	
		For 18 Gauge Frame, Deduct	*-142.83*	
		For 14 Gauge Frame, Add	*357.07*	
		For 12 Gauge Frame, Add	*542.74*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,827.15	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,762.54*	
		For Type 316 Stainless Steel Frame, Add	*3,220.46*	
		For Baked Enamel Finish, Add	*503.03*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,841.47	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,763.26*	
		For Type 316 Stainless Steel Frame, Add	*3,221.17*	
		For Baked Enamel Finish, Add	*505.18*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,910.31	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.14*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.71*	
		For Type 304 Stainless Steel Frame, Add	*2,862.11*	
		For Type 316 Stainless Steel Frame, Add	*3,336.38*	
		For Baked Enamel Finish, Add	*523.68*	
		For 18 Gauge Frame, Deduct	*-158.09*	
		For 14 Gauge Frame, Add	*395.23*	
		For 12 Gauge Frame, Add	*600.75*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,979.15	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,960.94*	
		For Type 316 Stainless Steel Frame, Add	*3,451.57*	
		For Baked Enamel Finish, Add	*542.19*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,993.46	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,961.66*	
		For Type 316 Stainless Steel Frame, Add	*3,452.28*	
		For Baked Enamel Finish, Add	*544.33*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,027.89	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.52*	
		For Type 304 Stainless Steel Frame, Add	*3,011.08*	
		For Type 316 Stainless Steel Frame, Add	*3,509.89*	
		For Baked Enamel Finish, Add	*553.59*	
		For 18 Gauge Frame, Deduct	*-166.27*	
		For 14 Gauge Frame, Add	*415.67*	
		For 12 Gauge Frame, Add	*631.82*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,062.30	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.79*	
		For Type 304 Stainless Steel Frame, Add	*3,060.49*	
		For Type 316 Stainless Steel Frame, Add	*3,567.47*	
		For Baked Enamel Finish, Add	*562.83*	
		For 18 Gauge Frame, Deduct	*-168.99*	
		For 14 Gauge Frame, Add	*422.48*	
		For 12 Gauge Frame, Add	*642.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,178.48	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*269.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*215.87*	
		For Type 304 Stainless Steel Frame, Add	*3,257.09*	
		For Type 316 Stainless Steel Frame, Add	*3,796.77*	
		For Baked Enamel Finish, Add	*596.61*	
		For 18 Gauge Frame, Deduct	*-179.90*	
		For 14 Gauge Frame, Add	*449.74*	
		For 12 Gauge Frame, Add	*683.60*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,294.68	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*286.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.96*	
		For Type 304 Stainless Steel Frame, Add	*3,453.72*	
		For Type 316 Stainless Steel Frame, Add	*4,026.11*	
		For Baked Enamel Finish, Add	*630.40*	
		For 18 Gauge Frame, Deduct	*-190.80*	
		For 14 Gauge Frame, Add	*477.00*	
		For 12 Gauge Frame, Add	*725.04*	
08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*		
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,486.82	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*190.80*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*152.64*	
		For Type 304 Stainless Steel Frame, Add	*2,300.32*	
		For Type 316 Stainless Steel Frame, Add	*2,681.92*	
		For Baked Enamel Finish, Add	*413.82*	
		For 18 Gauge Frame, Deduct	*-127.20*	
		For 14 Gauge Frame, Add	*318.00*	
		For 12 Gauge Frame, Add	*483.36*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,750.59	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*227.14*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*181.71*	
		For Type 304 Stainless Steel Frame, Add	*2,737.52*	
		For Type 316 Stainless Steel Frame, Add	*3,191.80*	
		For Baked Enamel Finish, Add	*489.73*	
		For 18 Gauge Frame, Deduct	*-151.43*	
		For 14 Gauge Frame, Add	*378.57*	
		For 12 Gauge Frame, Add	*575.43*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,789.14	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*184.62*	
		For Type 304 Stainless Steel Frame, Add	*2,781.85*	
		For Type 316 Stainless Steel Frame, Add	*3,243.40*	
		For Baked Enamel Finish, Add	*499.15*	
		For 18 Gauge Frame, Deduct	*-153.85*	
		For 14 Gauge Frame, Add	*384.63*	
		For 12 Gauge Frame, Add	*584.63*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,810.62	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*184.62*	
		For Type 304 Stainless Steel Frame, Add	*2,782.92*	
		For Type 316 Stainless Steel Frame, Add	*3,244.48*	
		For Baked Enamel Finish, Add	*502.37*	
		For 18 Gauge Frame, Deduct	*-153.85*	
		For 14 Gauge Frame, Add	*384.63*	
		For 12 Gauge Frame, Add	*584.63*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,842.01	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.41*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*187.53*	
		For Type 304 Stainless Steel Frame, Add	*2,826.88*	
		For Type 316 Stainless Steel Frame, Add	*3,295.70*	
		For Baked Enamel Finish, Add	*510.71*	
		For 18 Gauge Frame, Deduct	*-156.27*	
		For 14 Gauge Frame, Add	*390.68*	
		For 12 Gauge Frame, Add	*593.84*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,873.40	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*190.44*	
		For Type 304 Stainless Steel Frame, Add	*2,870.85*	
		For Type 316 Stainless Steel Frame, Add	*3,346.94*	
		For Baked Enamel Finish, Add	*519.05*	
		For 18 Gauge Frame, Deduct	*-158.70*	
		For 14 Gauge Frame, Add	*396.74*	
		For 12 Gauge Frame, Add	*603.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,996.75	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*254.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*203.52*	
		For Type 304 Stainless Steel Frame, Add	*3,067.82*	
		For Type 316 Stainless Steel Frame, Add	*3,576.62*	
		For Baked Enamel Finish, Add	*553.91*	
		For 18 Gauge Frame, Deduct	*-169.60*	
		For 14 Gauge Frame, Add	*424.00*	
		For 12 Gauge Frame, Add	*644.48*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,011.07	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*254.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*203.52*	
		For Type 304 Stainless Steel Frame, Add	*3,068.54*	
		For Type 316 Stainless Steel Frame, Add	*3,577.33*	
		For Baked Enamel Finish, Add	*556.06*	
		For 18 Gauge Frame, Deduct	*-169.60*	
		For 14 Gauge Frame, Add	*424.00*	
		For 12 Gauge Frame, Add	*644.48*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,085.96	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*263.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*210.79*	
		For Type 304 Stainless Steel Frame, Add	*3,178.28*	
		For Type 316 Stainless Steel Frame, Add	*3,705.25*	
		For Baked Enamel Finish, Add	*576.38*	
		For 18 Gauge Frame, Deduct	*-175.66*	
		For 14 Gauge Frame, Add	*439.14*	
		For 12 Gauge Frame, Add	*667.49*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,160.86	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,288.02*	
		For Type 316 Stainless Steel Frame, Add	*3,833.16*	
		For Baked Enamel Finish, Add	*596.70*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,175.17	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,288.74*	
		For Type 316 Stainless Steel Frame, Add	*3,833.88*	
		For Baked Enamel Finish, Add	*598.85*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,212.63	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*221.69*	
		For Type 304 Stainless Steel Frame, Add	*3,343.62*	
		For Type 316 Stainless Steel Frame, Add	*3,897.84*	
		For Baked Enamel Finish, Add	*609.01*	
		For 18 Gauge Frame, Deduct	*-184.74*	
		For 14 Gauge Frame, Add	*461.86*	
		For 12 Gauge Frame, Add	*702.02*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,250.07	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.66*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.32*	
		For Type 304 Stainless Steel Frame, Add	*3,398.48*	
		For Type 316 Stainless Steel Frame, Add	*3,961.79*	
		For Baked Enamel Finish, Add	*619.17*	
		For 18 Gauge Frame, Deduct	*-187.77*	
		For 14 Gauge Frame, Add	*469.43*	
		For 12 Gauge Frame, Add	*713.53*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,378.35	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.86*	
		For Type 304 Stainless Steel Frame, Add	*3,616.85*	
		For Type 316 Stainless Steel Frame, Add	*4,216.50*	
		For Baked Enamel Finish, Add	*656.58*	
		For 18 Gauge Frame, Deduct	*-199.88*	
		For 14 Gauge Frame, Add	*499.71*	
		For 12 Gauge Frame, Add	*759.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,506.68	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*318.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*254.40*	
		For Type 304 Stainless Steel Frame, Add	*3,835.32*	
		For Type 316 Stainless Steel Frame, Add	*4,471.31*	
		For Baked Enamel Finish, Add	*694.00*	
		For 18 Gauge Frame, Deduct	*-212.00*	
		For 14 Gauge Frame, Add	*530.00*	
		For 12 Gauge Frame, Add	*805.60*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,412.87	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*143.76*	
		For Type 304 Stainless Steel Frame, Add	*2,167.21*	
		For Type 316 Stainless Steel Frame, Add	*2,526.63*	
		For Baked Enamel Finish, Add	*391.64*	
		For 18 Gauge Frame, Deduct	*-119.80*	
		For 14 Gauge Frame, Add	*299.51*	
		For 12 Gauge Frame, Add	*455.26*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,662.55	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.94*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.15*	
		For Type 304 Stainless Steel Frame, Add	*2,579.05*	
		For Type 316 Stainless Steel Frame, Add	*3,006.92*	
		For Baked Enamel Finish, Add	*463.32*	
		For 18 Gauge Frame, Deduct	*-142.62*	
		For 14 Gauge Frame, Add	*356.56*	
		For 12 Gauge Frame, Add	*541.97*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,699.69	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,620.84*	
		For Type 316 Stainless Steel Frame, Add	*3,055.56*	
		For Baked Enamel Finish, Add	*472.31*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,721.17	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,621.91*	
		For Type 316 Stainless Steel Frame, Add	*3,056.63*	
		For Baked Enamel Finish, Add	*475.53*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,751.16	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.63*	
		For Type 304 Stainless Steel Frame, Add	*2,663.35*	
		For Type 316 Stainless Steel Frame, Add	*3,104.91*	
		For Baked Enamel Finish, Add	*483.46*	
		For 18 Gauge Frame, Deduct	*-147.19*	
		For 14 Gauge Frame, Add	*367.97*	
		For 12 Gauge Frame, Add	*559.31*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,781.14	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*224.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*179.36*	
		For Type 304 Stainless Steel Frame, Add	*2,704.78*	
		For Type 316 Stainless Steel Frame, Add	*3,153.19*	
		For Baked Enamel Finish, Add	*491.38*	
		For 18 Gauge Frame, Deduct	*-149.47*	
		For 14 Gauge Frame, Add	*373.68*	
		For 12 Gauge Frame, Add	*567.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,898.15	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,890.34*	
		For Type 316 Stainless Steel Frame, Add	*3,369.56*	
		For Baked Enamel Finish, Add	*524.33*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,912.47	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,891.06*	
		For Type 316 Stainless Steel Frame, Add	*3,370.27*	
		For Baked Enamel Finish, Add	*526.48*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,983.84	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*248.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*198.53*	
		For Type 304 Stainless Steel Frame, Add	*2,994.46*	
		For Type 316 Stainless Steel Frame, Add	*3,490.79*	
		For Baked Enamel Finish, Add	*545.74*	
		For 18 Gauge Frame, Deduct	*-165.44*	
		For 14 Gauge Frame, Add	*413.61*	
		For 12 Gauge Frame, Add	*628.69*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,055.22	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,097.87*	
		For Type 316 Stainless Steel Frame, Add	*3,611.32*	
		For Baked Enamel Finish, Add	*565.01*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,069.53	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,098.58*	
		For Type 316 Stainless Steel Frame, Add	*3,612.03*	
		For Baked Enamel Finish, Add	*567.15*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,105.22	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*261.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*208.80*	
		For Type 304 Stainless Steel Frame, Add	*3,150.28*	
		For Type 316 Stainless Steel Frame, Add	*3,672.28*	
		For Baked Enamel Finish, Add	*576.78*	
		For 18 Gauge Frame, Deduct	*-174.00*	
		For 14 Gauge Frame, Add	*435.00*	
		For 12 Gauge Frame, Add	*661.20*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,140.91	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.28*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.22*	
		For Type 304 Stainless Steel Frame, Add	*3,201.99*	
		For Type 316 Stainless Steel Frame, Add	*3,732.55*	
		For Baked Enamel Finish, Add	*586.42*	
		For 18 Gauge Frame, Deduct	*-176.85*	
		For 14 Gauge Frame, Add	*442.14*	
		For 12 Gauge Frame, Add	*672.05*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,262.15	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*282.39*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.91*	
		For Type 304 Stainless Steel Frame, Add	*3,407.69*	
		For Type 316 Stainless Steel Frame, Add	*3,972.48*	
		For Baked Enamel Finish, Add	*621.72*	
		For 18 Gauge Frame, Deduct	*-188.26*	
		For 14 Gauge Frame, Add	*470.66*	
		For 12 Gauge Frame, Add	*715.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,383.43	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.61*	
		For Type 304 Stainless Steel Frame, Add	*3,613.47*	
		For Type 316 Stainless Steel Frame, Add	*4,212.49*	
		For Baked Enamel Finish, Add	*657.03*	
		For 18 Gauge Frame, Deduct	*-199.67*	
		For 14 Gauge Frame, Add	*499.19*	
		For 12 Gauge Frame, Add	*758.76*	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,545.99	107.41
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.67*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.74*	
		For Type 304 Stainless Steel Frame, Add	*2,406.83*	
		For Type 316 Stainless Steel Frame, Add	*2,806.18*	
		For Baked Enamel Finish, Add	*431.57*	
		For 18 Gauge Frame, Deduct	*-133.12*	
		For 14 Gauge Frame, Add	*332.79*	
		For 12 Gauge Frame, Add	*505.84*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,821.02	118.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*190.17*	
		For Type 304 Stainless Steel Frame, Add	*2,864.29*	
		For Type 316 Stainless Steel Frame, Add	*3,339.71*	
		For Baked Enamel Finish, Add	*510.86*	
		For 18 Gauge Frame, Deduct	*-158.47*	
		For 14 Gauge Frame, Add	*396.18*	
		For 12 Gauge Frame, Add	*602.19*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,860.69	125.32
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,910.64*	
		For Type 316 Stainless Steel Frame, Add	*3,393.66*	
		For Baked Enamel Finish, Add	*520.61*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,882.17	136.06
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,911.71*	
		For Type 316 Stainless Steel Frame, Add	*3,394.73*	
		For Baked Enamel Finish, Add	*523.83*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,914.70	139.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,957.72*	
		For Type 316 Stainless Steel Frame, Add	*3,448.35*	
		For Baked Enamel Finish, Add	*532.52*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,947.22	143.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.29*	
		For Type 304 Stainless Steel Frame, Add	*3,003.73*	
		For Type 316 Stainless Steel Frame, Add	*3,501.96*	
		For Baked Enamel Finish, Add	*541.20*	
		For 18 Gauge Frame, Deduct	*-166.08*	
		For 14 Gauge Frame, Add	*415.20*	
		For 12 Gauge Frame, Add	*631.10*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,075.63	150.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,209.80*	
		For Type 316 Stainless Steel Frame, Add	*3,742.27*	
		For Baked Enamel Finish, Add	*577.58*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,089.95	157.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,210.52*	
		For Type 316 Stainless Steel Frame, Add	*3,742.98*	
		For Baked Enamel Finish, Add	*579.72*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,167.66	164.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*275.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*220.59*	
		For Type 304 Stainless Steel Frame, Add	*3,325.34*	
		For Type 316 Stainless Steel Frame, Add	*3,876.82*	
		For Baked Enamel Finish, Add	*600.89*	
		For 18 Gauge Frame, Deduct	*-183.83*	
		For 14 Gauge Frame, Add	*459.57*	
		For 12 Gauge Frame, Add	*698.54*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,245.38	171.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,440.16*	
		For Type 316 Stainless Steel Frame, Add	*4,010.65*	
		For Baked Enamel Finish, Add	*622.05*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,259.69	179.02
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,440.87*	
		For Type 316 Stainless Steel Frame, Add	*4,011.37*	
		For Baked Enamel Finish, Add	*624.20*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,298.56	182.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*290.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*232.00*	
		For Type 304 Stainless Steel Frame, Add	*3,498.29*	
		For Type 316 Stainless Steel Frame, Add	*4,078.30*	
		For Baked Enamel Finish, Add	*634.79*	
		For 18 Gauge Frame, Deduct	*-193.34*	
		For 14 Gauge Frame, Add	*483.34*	
		For 12 Gauge Frame, Add	*734.67*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,337.41	186.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.76*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*235.80*	
		For Type 304 Stainless Steel Frame, Add	*3,555.69*	
		For Type 316 Stainless Steel Frame, Add	*4,145.20*	
		For Baked Enamel Finish, Add	*645.37*	
		For 18 Gauge Frame, Deduct	*-196.50*	
		For 14 Gauge Frame, Add	*491.26*	
		For 12 Gauge Frame, Add	*746.72*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,471.32	189.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*313.77*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*251.01*	
		For Type 304 Stainless Steel Frame, Add	*3,784.20*	
		For Type 316 Stainless Steel Frame, Add	*4,411.74*	
		For Baked Enamel Finish, Add	*684.47*	
		For 18 Gauge Frame, Deduct	*-209.18*	
		For 14 Gauge Frame, Add	*522.95*	
		For 12 Gauge Frame, Add	*794.88*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,605.28	193.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*332.79*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*266.23*	
		For Type 304 Stainless Steel Frame, Add	*4,012.80*	
		For Type 316 Stainless Steel Frame, Add	*4,678.37*	
		For Baked Enamel Finish, Add	*723.58*	
		For 18 Gauge Frame, Deduct	*-221.86*	
		For 14 Gauge Frame, Add	*554.65*	
		For 12 Gauge Frame, Add	*843.06*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Metal Sidelight And Transom Frames *(08 12 13 13-0166)*
Note: By LF of Frame. Excludes glazing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0168	LF	4-3/4" x 1-3/4", 16 Gauge, Metal Sidelight And Transom Frame	46.56	8.02
		For 18 Gauge Frame, Deduct	*-2.64*	
		For 14 Gauge Frame, Add	*6.60*	
		For 12 Gauge Frame, Add	*10.03*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0169	LF	5-1/4" x 1-3/4", 16 Gauge, Metal Sidelight And Transom Frame	48.54	8.31
		For 18 Gauge Frame, Deduct	*-2.78*	
		For 14 Gauge Frame, Add	*6.95*	
		For 12 Gauge Frame, Add	*10.56*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0170	LF	6-3/4" x 1-3/4", 16 Gauge, Metal Sidelight And Transom Frames	50.38	8.45
		For 18 Gauge Frame, Deduct	*-2.92*	
		For 14 Gauge Frame, Add	*7.29*	
		For 12 Gauge Frame, Add	*11.08*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0171		**Fixed Steel Transoms Opening** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom Opening	107.44	20.05
		For Movable Frame, Add	*21.49*	
		For 18 Gauge Frame, Deduct	*-6.73*	
		For 14 Gauge Frame, Add	*16.84*	
		For 12 Gauge Frame, Add	*25.59*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom Opening	112.18	20.77
		For Movable Frame, Add	*22.44*	
		For 18 Gauge Frame, Deduct	*-7.07*	
		For 14 Gauge Frame, Add	*17.66*	
		For 12 Gauge Frame, Add	*26.85*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom Opening	117.18	21.48
		For Movable Frame, Add	*23.44*	
		For 18 Gauge Frame, Deduct	*-7.42*	
		For 14 Gauge Frame, Add	*18.55*	
		For 12 Gauge Frame, Add	*28.20*	
08 12 13 13-0175		**Operable Steel Transom Sash Opening** *(08 12 13 13-0166)*		
		Note: Includes hardware. Excludes glazing.		
08 12 13 13-0176	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash Opening	152.93	20.05
		For 18 Gauge Frame, Deduct	*-11.28*	
		For 14 Gauge Frame, Add	*28.21*	
		For 12 Gauge Frame, Add	*42.88*	
08 12 13 13-0177	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash Opening	160.01	20.77
		For 18 Gauge Frame, Deduct	*-11.85*	
		For 14 Gauge Frame, Add	*29.62*	
		For 12 Gauge Frame, Add	*45.02*	
08 12 13 13-0178	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash Opening	167.36	21.48
		For 18 Gauge Frame, Deduct	*-12.44*	
		For 14 Gauge Frame, Add	*31.10*	
		For 12 Gauge Frame, Add	*47.27*	
08 12 13 13-0179		**Steel Frame Sidelights Opening** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0180	SF	4-3/4" Deep, 16 Gauge, Steel Frame Sidelight Opening	112.46	20.05
		For 18 Gauge Frame, Deduct	*-7.24*	
		For 14 Gauge Frame, Add	*18.09*	
		For 12 Gauge Frame, Add	*27.50*	
08 12 13 13-0181	SF	5-3/4" Deep, 16 Gauge, Steel Frame Sidelight Opening	117.52	20.77
		For 18 Gauge Frame, Deduct	*-7.60*	
		For 14 Gauge Frame, Add	*19.00*	
		For 12 Gauge Frame, Add	*28.88*	
08 12 13 13-0182	SF	6-3/4" Deep, 16 Gauge, Steel Frame Sidelight Opening	122.73	21.48
		For 18 Gauge Frame, Deduct	*-7.98*	
		For 14 Gauge Frame, Add	*19.94*	
		For 12 Gauge Frame, Add	*30.31*	
08 12 13 13-0183		**Sundry Hollow Metal Frame Sections** *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0184		**16 Gauge, Hollow Metal Frame Vertical Mullions** *(08 12 13 13-0183)*		
08 12 13 13-0185	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	37.76	8.02
		For 18 Gauge Frame, Deduct	*-1.76*	
		For 14 Gauge Frame, Add	*4.40*	
		For 12 Gauge Frame, Add	*6.68*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0186	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.43	8.02
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0187	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.28	8.31
		For 18 Gauge Frame, Deduct	*-1.85*	
		For 14 Gauge Frame, Add	*4.63*	
		For 12 Gauge Frame, Add	*7.04*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0188	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.43	8.31
		For 18 Gauge Frame, Deduct	*-1.97*	
		For 14 Gauge Frame, Add	*4.92*	
		For 12 Gauge Frame, Add	*7.47*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.66	8.45
		For 18 Gauge Frame, Deduct	*-1.94*	
		For 14 Gauge Frame, Add	*4.86*	
		For 12 Gauge Frame, Add	*7.39*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	41.10	8.45
		For 18 Gauge Frame, Deduct	*-1.99*	
		For 14 Gauge Frame, Add	*4.97*	
		For 12 Gauge Frame, Add	*7.55*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191		16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0183)*		
08 12 13 13-0192	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.43	8.02
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.37	8.02
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.02	8.31
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0195	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.96	8.31
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0196	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.94	8.45
		For 18 Gauge Frame, Deduct	*-0.97*	
		For 14 Gauge Frame, Add	*2.43*	
		For 12 Gauge Frame, Add	*3.69*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0197	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	31.76	8.45
		For 18 Gauge Frame, Deduct	*-1.05*	
		For 14 Gauge Frame, Add	*2.64*	
		For 12 Gauge Frame, Add	*4.01*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0198		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0183)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0199	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	875.08	56.14
		For 18 Gauge Frame, Deduct	*-73.47*	
		For 14 Gauge Frame, Add	*183.68*	
		For 12 Gauge Frame, Add	*279.20*	
08 12 13 13-0200	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	904.38	56.14
		For 18 Gauge Frame, Deduct	*-76.40*	
		For 14 Gauge Frame, Add	*191.01*	
		For 12 Gauge Frame, Add	*290.33*	
08 12 13 13-0201	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	997.65	58.72
		For 18 Gauge Frame, Deduct	*-85.30*	
		For 14 Gauge Frame, Add	*213.25*	
		For 12 Gauge Frame, Add	*324.14*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0202	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,023.81	58.72
		For 18 Gauge Frame, Deduct	*-87.92*	
		For 14 Gauge Frame, Add	*219.79*	
		For 12 Gauge Frame, Add	*334.08*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0203	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,153.04	60.15
		For 18 Gauge Frame, Deduct	*-100.27*	
		For 14 Gauge Frame, Add	*250.67*	
		For 12 Gauge Frame, Add	*381.01*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0204	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,170.84	60.15
		For 18 Gauge Frame, Deduct	*-102.05*	
		For 14 Gauge Frame, Add	*255.12*	
		For 12 Gauge Frame, Add	*387.77*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0205		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0206	EA	For 1' Extension Of New Door Frame	33.23	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Aluminum Door Frames *(08 12 16)*

08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	762.74	139.63
08 12 16 00-0004	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	777.40	143.22
08 12 16 00-0005	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	825.45	150.38
08 12 16 00-0006	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	839.77	157.54
08 12 16 00-0007	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	872.83	164.70
08 12 16 00-0008	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	819.22	186.18
08 12 16 00-0009	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	855.21	189.77
08 12 16 00-0010	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,395.71	193.35

08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	816.46	139.63
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	831.95	143.22
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	883.75	150.38
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	898.07	157.54
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	933.21	164.70
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,017.82	186.18
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,066.62	189.77
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,115.43	193.35

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	584.36	78.77
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*151.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.16*	
		For >100, Deduct	*-47.77*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*53.35*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	584.36	78.77
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*151.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.16*	
		For >100, Deduct	*-47.77*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*53.35*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	600.25	82.35
		For Galvanized Steel Door, Add	*87.11*	
		For Type 304 Stainless Steel Door, Add	*348.44*	
		For Type 316 Stainless Steel Door, Add	*566.22*	
		For Embossed Panel Door, Add	*104.53*	
		For Baked Enamel Finish, Add	*155.37*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.13*	
		For >100, Deduct	*-49.14*	
		For Polystyrene Core, Add	*43.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*108.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.44*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.75	82.35
		For Galvanized Steel Door, Add	*88.41*	
		For Type 304 Stainless Steel Door, Add	*353.64*	
		For Type 316 Stainless Steel Door, Add	*574.67*	
		For Embossed Panel Door, Add	*106.09*	
		For Baked Enamel Finish, Add	*157.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.46*	
		For >100, Deduct	*-49.62*	
		For Polystyrene Core, Add	*44.21*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.26*	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	612.94	84.14
		For Galvanized Steel Door, Add	*88.93*	
		For Type 304 Stainless Steel Door, Add	*355.72*	
		For Type 316 Stainless Steel Door, Add	*578.05*	
		For Embossed Panel Door, Add	*106.72*	
		For Baked Enamel Finish, Add	*158.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-50.18*	
		For Polystyrene Core, Add	*44.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	619.11	85.93
		For Galvanized Steel Door, Add	*89.45*	
		For Type 304 Stainless Steel Door, Add	*357.80*	
		For Type 316 Stainless Steel Door, Add	*581.43*	
		For Embossed Panel Door, Add	*107.34*	
		For Baked Enamel Finish, Add	*159.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.25*	
		For >100, Deduct	*-50.73*	
		For Polystyrene Core, Add	*44.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.91*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	652.92	85.93
		For Galvanized Steel Door, Add	*96.21*	
		For Type 304 Stainless Steel Door, Add	*384.85*	
		For Type 316 Stainless Steel Door, Add	*625.38*	
		For Embossed Panel Door, Add	*115.45*	
		For Baked Enamel Finish, Add	*170.10*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-53.27*	
		For Polystyrene Core, Add	*48.11*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.27*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.13*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	673.08	89.51
		For Galvanized Steel Door, Add	*98.81*	
		For Type 304 Stainless Steel Door, Add	*395.25*	
		For Type 316 Stainless Steel Door, Add	*642.28*	
		For Embossed Panel Door, Add	*118.57*	
		For Baked Enamel Finish, Add	*175.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.13*	
		For >100, Deduct	*-54.96*	
		For Polystyrene Core, Add	*49.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.52*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.76*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	739.41	96.67
		For Galvanized Steel Door, Add	*109.21*	
		For Type 304 Stainless Steel Door, Add	*436.85*	
		For Type 316 Stainless Steel Door, Add	*709.88*	
		For Embossed Panel Door, Add	*131.05*	
		For Baked Enamel Finish, Add	*192.82*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.80*	
		For >100, Deduct	*-60.29*	
		For Polystyrene Core, Add	*54.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.52*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.26*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	595.54	78.77
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*155.03*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.72*	
		For >100, Deduct	*-48.60*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	595.54	78.77
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*155.03*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.72*	
		For >100, Deduct	*-48.60*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.75*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	611.66	82.35
		For Galvanized Steel Door, Add	*89.39*	
		For Type 304 Stainless Steel Door, Add	*357.57*	
		For Type 316 Stainless Steel Door, Add	*581.05*	
		For Embossed Panel Door, Add	*107.27*	
		For Baked Enamel Finish, Add	*158.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.70*	
		For >100, Deduct	*-49.99*	
		For Polystyrene Core, Add	*44.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.87*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	618.33	82.35
		For Galvanized Steel Door, Add	*90.73*	
		For Type 304 Stainless Steel Door, Add	*362.90*	
		For Type 316 Stainless Steel Door, Add	*589.72*	
		For Embossed Panel Door, Add	*108.87*	
		For Baked Enamel Finish, Add	*160.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.03*	
		For >100, Deduct	*-50.49*	
		For Polystyrene Core, Add	*45.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.70*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	624.59	84.14
		For Galvanized Steel Door, Add	*91.26*	
		For Type 304 Stainless Steel Door, Add	*365.04*	
		For Type 316 Stainless Steel Door, Add	*593.19*	
		For Embossed Panel Door, Add	*109.51*	
		For Baked Enamel Finish, Add	*162.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.44*	
		For >100, Deduct	*-51.05*	
		For Polystyrene Core, Add	*45.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.04*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	630.83	85.93
		For Galvanized Steel Door, Add	*91.79*	
		For Type 304 Stainless Steel Door, Add	*367.18*	
		For Type 316 Stainless Steel Door, Add	*596.66*	
		For Embossed Panel Door, Add	*110.15*	
		For Baked Enamel Finish, Add	*163.47*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-51.61*	
		For Polystyrene Core, Add	*45.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0019		EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	665.52	85.93
			For Galvanized Steel Door, Add	*98.73*	
			For Type 304 Stainless Steel Door, Add	*394.93*	
			For Type 316 Stainless Steel Door, Add	*641.76*	
			For Embossed Panel Door, Add	*118.48*	
			For Baked Enamel Finish, Add	*173.88*	
			For 20 Minute Fire Rated Door, Add	*27.63*	
			For 45 Minute Fire Rated Door, Add	*41.40*	
			For 60 Minute Fire Rated Door, Add	*55.27*	
			For 90 Minute Fire Rated Door, Add	*93.38*	
			For 3 Hour Fire Rated Door, Add	*131.50*	
			For >50 To 100, Deduct	*-37.57*	
			For >100, Deduct	*-54.21*	
			For Polystyrene Core, Add	*49.37*	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.42*	
			For Continuously Welded And Filled Vertical Edge Seam, Add	*61.71*	
08 13 13 13-0020		EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	686.02	89.51
			For Galvanized Steel Door, Add	*101.40*	
			For Type 304 Stainless Steel Door, Add	*405.60*	
			For Type 316 Stainless Steel Door, Add	*659.10*	
			For Embossed Panel Door, Add	*121.68*	
			For Baked Enamel Finish, Add	*178.95*	
			For 20 Minute Fire Rated Door, Add	*27.63*	
			For 45 Minute Fire Rated Door, Add	*41.40*	
			For 60 Minute Fire Rated Door, Add	*55.27*	
			For 90 Minute Fire Rated Door, Add	*93.38*	
			For 3 Hour Fire Rated Door, Add	*131.50*	
			For >50 To 100, Deduct	*-38.78*	
			For >100, Deduct	*-55.93*	
			For Polystyrene Core, Add	*50.70*	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.75*	
			For Continuously Welded And Filled Vertical Edge Seam, Add	*63.38*	
08 13 13 13-0021		EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	753.72	96.67
			For Galvanized Steel Door, Add	*112.07*	
			For Type 304 Stainless Steel Door, Add	*448.30*	
			For Type 316 Stainless Steel Door, Add	*728.48*	
			For Embossed Panel Door, Add	*134.49*	
			For Baked Enamel Finish, Add	*197.11*	
			For 20 Minute Fire Rated Door, Add	*27.63*	
			For 45 Minute Fire Rated Door, Add	*41.40*	
			For 60 Minute Fire Rated Door, Add	*55.27*	
			For 90 Minute Fire Rated Door, Add	*93.38*	
			For 3 Hour Fire Rated Door, Add	*131.50*	
			For >50 To 100, Deduct	*-42.52*	
			For >100, Deduct	*-61.36*	
			For Polystyrene Core, Add	*56.04*	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.09*	
			For Continuously Welded And Filled Vertical Edge Seam, Add	*70.05*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023		EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.41	78.77
			For Galvanized Steel Door, Add	*89.77*	
			For Type 304 Stainless Steel Door, Add	*359.10*	
			For Type 316 Stainless Steel Door, Add	*583.53*	
			For Embossed Panel Door, Add	*107.73*	
			For Baked Enamel Finish, Add	*158.29*	
			For 20 Minute Fire Rated Door, Add	*27.63*	
			For 45 Minute Fire Rated Door, Add	*41.40*	
			For 60 Minute Fire Rated Door, Add	*55.27*	
			For 90 Minute Fire Rated Door, Add	*93.38*	
			For 3 Hour Fire Rated Door, Add	*131.50*	
			For >50 To 100, Deduct	*-34.26*	
			For >100, Deduct	*-49.42*	
			For Polystyrene Core, Add	*44.89*	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	
			For Continuously Welded And Filled Vertical Edge Seam, Add	*56.11*	
08 13 13 13-0024		EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.41	78.77
			For Galvanized Steel Door, Add	*89.77*	
			For Type 304 Stainless Steel Door, Add	*359.10*	
			For Type 316 Stainless Steel Door, Add	*583.53*	
			For Embossed Panel Door, Add	*107.73*	
			For Baked Enamel Finish, Add	*158.29*	
			For 20 Minute Fire Rated Door, Add	*27.63*	
			For 45 Minute Fire Rated Door, Add	*41.40*	
			For 60 Minute Fire Rated Door, Add	*55.27*	
			For 90 Minute Fire Rated Door, Add	*93.38*	
			For 3 Hour Fire Rated Door, Add	*131.50*	
			For >50 To 100, Deduct	*-34.26*	
			For >100, Deduct	*-49.42*	
			For Polystyrene Core, Add	*44.89*	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	
			For Continuously Welded And Filled Vertical Edge Seam, Add	*56.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	622.75	82.35
		For Galvanized Steel Door, Add	*91.61*	
		For Type 304 Stainless Steel Door, Add	*366.44*	
		For Type 316 Stainless Steel Door, Add	*595.47*	
		For Embossed Panel Door, Add	*109.93*	
		For Baked Enamel Finish, Add	*162.12*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.26*	
		For >100, Deduct	*-50.82*	
		For Polystyrene Core, Add	*45.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.26*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	629.58	82.35
		For Galvanized Steel Door, Add	*92.98*	
		For Type 304 Stainless Steel Door, Add	*371.90*	
		For Type 316 Stainless Steel Door, Add	*604.34*	
		For Embossed Panel Door, Add	*111.57*	
		For Baked Enamel Finish, Add	*164.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.60*	
		For >100, Deduct	*-51.34*	
		For Polystyrene Core, Add	*46.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.11*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	635.90	84.14
		For Galvanized Steel Door, Add	*93.52*	
		For Type 304 Stainless Steel Door, Add	*374.09*	
		For Type 316 Stainless Steel Door, Add	*607.89*	
		For Embossed Panel Door, Add	*112.23*	
		For Baked Enamel Finish, Add	*165.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.00*	
		For >100, Deduct	*-51.90*	
		For Polystyrene Core, Add	*46.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.90*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.45*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	642.21	85.93
		For Galvanized Steel Door, Add	*94.07*	
		For Type 304 Stainless Steel Door, Add	*376.28*	
		For Type 316 Stainless Steel Door, Add	*611.46*	
		For Embossed Panel Door, Add	*112.88*	
		For Baked Enamel Finish, Add	*166.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.41*	
		For >100, Deduct	*-52.46*	
		For Polystyrene Core, Add	*47.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.79*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	677.76	85.93
		For Galvanized Steel Door, Add	*101.18*	
		For Type 304 Stainless Steel Door, Add	*404.72*	
		For Type 316 Stainless Steel Door, Add	*657.67*	
		For Embossed Panel Door, Add	*121.42*	
		For Baked Enamel Finish, Add	*177.55*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.18*	
		For >100, Deduct	*-55.13*	
		For Polystyrene Core, Add	*50.59*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.48*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	698.60	89.51
		For Galvanized Steel Door, Add	*103.92*	
		For Type 304 Stainless Steel Door, Add	*415.66*	
		For Type 316 Stainless Steel Door, Add	*675.45*	
		For Embossed Panel Door, Add	*124.70*	
		For Baked Enamel Finish, Add	*182.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-56.87*	
		For Polystyrene Core, Add	*51.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.90*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.95*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	767.62	96.67
		For Galvanized Steel Door, Add	*114.85*	
		For Type 304 Stainless Steel Door, Add	*459.42*	
		For Type 316 Stainless Steel Door, Add	*746.55*	
		For Embossed Panel Door, Add	*137.82*	
		For Baked Enamel Finish, Add	*201.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.21*	
		For >100, Deduct	*-62.41*	
		For Polystyrene Core, Add	*57.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.78*	

08 13 13 13-0032 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	618.89	78.77
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*162.04*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.88*	
		For >100, Deduct	*-50.36*	
		For 2" Thick Door, Add	*37.39*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.67*	
		For Steel Stiffened, Add	*115.34*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	618.89	78.77
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*162.04*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.88*	
		For >100, Deduct	*-50.36*	
		For 2" Thick Door, Add	*37.39*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.67*	
		For Steel Stiffened, Add	*115.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	635.49	82.35
		For Galvanized Steel Door, Add	*94.16*	
		For Type 304 Stainless Steel Door, Add	*376.63*	
		For Type 316 Stainless Steel Door, Add	*612.03*	
		For Embossed Panel Door, Add	*112.99*	
		For Baked Enamel Finish, Add	*165.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.89*	
		For >100, Deduct	*-51.78*	
		For 2" Thick Door, Add	*38.25*	
		For Polystyrene Core, Add	*47.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.85*	
		For Steel Stiffened, Add	*117.70*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	642.51	82.35
		For Galvanized Steel Door, Add	*95.56*	
		For Type 304 Stainless Steel Door, Add	*382.25*	
		For Type 316 Stainless Steel Door, Add	*621.15*	
		For Embossed Panel Door, Add	*114.67*	
		For Baked Enamel Finish, Add	*168.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.24*	
		For >100, Deduct	*-52.31*	
		For 2" Thick Door, Add	*38.76*	
		For Polystyrene Core, Add	*47.78*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.73*	
		For Steel Stiffened, Add	*119.45*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	648.90	84.14
		For Galvanized Steel Door, Add	*96.12*	
		For Type 304 Stainless Steel Door, Add	*384.49*	
		For Type 316 Stainless Steel Door, Add	*624.79*	
		For Embossed Panel Door, Add	*115.35*	
		For Baked Enamel Finish, Add	*169.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.65*	
		For >100, Deduct	*-52.87*	
		For 2" Thick Door, Add	*39.05*	
		For Polystyrene Core, Add	*48.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.08*	
		For Steel Stiffened, Add	*120.15*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	655.29	85.93
		For Galvanized Steel Door, Add	*96.69*	
		For Type 304 Stainless Steel Door, Add	*386.74*	
		For Type 316 Stainless Steel Door, Add	*628.46*	
		For Embossed Panel Door, Add	*116.02*	
		For Baked Enamel Finish, Add	*170.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.06*	
		For >100, Deduct	*-53.44*	
		For 2" Thick Door, Add	*39.35*	
		For Polystyrene Core, Add	*48.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.43*	
		For Steel Stiffened, Add	*120.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	691.83	85.93
		For Galvanized Steel Door, Add	*103.99*	
		For Type 304 Stainless Steel Door, Add	*415.98*	
		For Type 316 Stainless Steel Door, Add	*675.96*	
		For Embossed Panel Door, Add	*124.79*	
		For Baked Enamel Finish, Add	*181.77*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-56.18*	
		For 2" Thick Door, Add	*41.99*	
		For Polystyrene Core, Add	*52.00*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.99*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.00*	
		For Steel Stiffened, Add	*129.99*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	713.05	89.51
		For Galvanized Steel Door, Add	*106.81*	
		For Type 304 Stainless Steel Door, Add	*427.22*	
		For Type 316 Stainless Steel Door, Add	*694.24*	
		For Embossed Panel Door, Add	*128.17*	
		For Baked Enamel Finish, Add	*187.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.13*	
		For >100, Deduct	*-57.95*	
		For 2" Thick Door, Add	*43.19*	
		For Polystyrene Core, Add	*53.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.75*	
		For Steel Stiffened, Add	*133.51*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	783.59	96.67
		For Galvanized Steel Door, Add	*118.05*	
		For Type 304 Stainless Steel Door, Add	*472.19*	
		For Type 316 Stainless Steel Door, Add	*767.31*	
		For Embossed Panel Door, Add	*141.66*	
		For Baked Enamel Finish, Add	*206.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.01*	
		For >100, Deduct	*-63.60*	
		For 2" Thick Door, Add	*47.63*	
		For Polystyrene Core, Add	*59.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*147.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.78*	
		For Steel Stiffened, Add	*147.56*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.84	78.77
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*165.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.43*	
		For >100, Deduct	*-51.18*	
		For 2" Thick Door, Add	*38.18*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.04*	
		For Steel Stiffened, Add	*118.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.84	78.77
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*165.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.43*	
		For >100, Deduct	*-51.18*	
		For 2" Thick Door, Add	*38.18*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.04*	
		For Steel Stiffened, Add	*118.08*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	646.66	82.35
		For Galvanized Steel Door, Add	*96.39*	
		For Type 304 Stainless Steel Door, Add	*385.57*	
		For Type 316 Stainless Steel Door, Add	*626.55*	
		For Embossed Panel Door, Add	*115.67*	
		For Baked Enamel Finish, Add	*169.29*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.45*	
		For >100, Deduct	*-52.62*	
		For 2" Thick Door, Add	*39.06*	
		For Polystyrene Core, Add	*48.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.49*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.25*	
		For Steel Stiffened, Add	*120.49*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	653.85	82.35
		For Galvanized Steel Door, Add	*97.83*	
		For Type 304 Stainless Steel Door, Add	*391.32*	
		For Type 316 Stainless Steel Door, Add	*635.90*	
		For Embossed Panel Door, Add	*117.40*	
		For Baked Enamel Finish, Add	*171.45*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.81*	
		For >100, Deduct	*-53.16*	
		For 2" Thick Door, Add	*39.58*	
		For Polystyrene Core, Add	*48.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.29*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.14*	
		For Steel Stiffened, Add	*122.29*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	660.32	84.14
		For Galvanized Steel Door, Add	*98.41*	
		For Type 304 Stainless Steel Door, Add	*393.62*	
		For Type 316 Stainless Steel Door, Add	*639.64*	
		For Embossed Panel Door, Add	*118.09*	
		For Baked Enamel Finish, Add	*172.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.22*	
		For >100, Deduct	*-53.73*	
		For 2" Thick Door, Add	*39.88*	
		For Polystyrene Core, Add	*49.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.50*	
		For Steel Stiffened, Add	*123.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	666.77	85.93
		For Galvanized Steel Door, Add	*98.98*	
		For Type 304 Stainless Steel Door, Add	*395.93*	
		For Type 316 Stainless Steel Door, Add	*643.38*	
		For Embossed Panel Door, Add	*118.78*	
		For Baked Enamel Finish, Add	*174.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.64*	
		For >100, Deduct	*-54.30*	
		For 2" Thick Door, Add	*40.18*	
		For Polystyrene Core, Add	*49.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.73*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.86*	
		For Steel Stiffened, Add	*123.73*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	704.17	85.93
		For Galvanized Steel Door, Add	*106.46*	
		For Type 304 Stainless Steel Door, Add	*425.85*	
		For Type 316 Stainless Steel Door, Add	*692.00*	
		For Embossed Panel Door, Add	*127.75*	
		For Baked Enamel Finish, Add	*185.47*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.51*	
		For >100, Deduct	*-57.11*	
		For 2" Thick Door, Add	*42.89*	
		For Polystyrene Core, Add	*53.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.54*	
		For Steel Stiffened, Add	*133.08*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	725.72	89.51
		For Galvanized Steel Door, Add	*109.34*	
		For Type 304 Stainless Steel Door, Add	*437.36*	
		For Type 316 Stainless Steel Door, Add	*710.71*	
		For Embossed Panel Door, Add	*131.21*	
		For Baked Enamel Finish, Add	*190.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.76*	
		For >100, Deduct	*-58.90*	
		For 2" Thick Door, Add	*44.11*	
		For Polystyrene Core, Add	*54.67*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.68*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.34*	
		For Steel Stiffened, Add	*136.68*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	797.60	96.67
		For Galvanized Steel Door, Add	*120.85*	
		For Type 304 Stainless Steel Door, Add	*483.40*	
		For Type 316 Stainless Steel Door, Add	*785.53*	
		For Embossed Panel Door, Add	*145.02*	
		For Baked Enamel Finish, Add	*210.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.71*	
		For >100, Deduct	*-64.65*	
		For 2" Thick Door, Add	*48.64*	
		For Polystyrene Core, Add	*60.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*151.06*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.53*	
		For Steel Stiffened, Add	*151.06*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.79	78.77
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*168.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.98*	
		For >100, Deduct	*-52.00*	
		For 2" Thick Door, Add	*38.97*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.41*	
		For Steel Stiffened, Add	*120.81*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.79	78.77
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*168.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.98*	
		For >100, Deduct	*-52.00*	
		For 2" Thick Door, Add	*38.97*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.41*	
		For Steel Stiffened, Add	*120.81*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	657.83	82.35
		For Galvanized Steel Door, Add	*98.63*	
		For Type 304 Stainless Steel Door, Add	*394.50*	
		For Type 316 Stainless Steel Door, Add	*641.07*	
		For Embossed Panel Door, Add	*118.35*	
		For Baked Enamel Finish, Add	*172.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.01*	
		For >100, Deduct	*-53.45*	
		For 2" Thick Door, Add	*39.87*	
		For Polystyrene Core, Add	*49.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.28*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.64*	
		For Steel Stiffened, Add	*123.28*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	665.19	82.35
		For Galvanized Steel Door, Add	*100.10*	
		For Type 304 Stainless Steel Door, Add	*400.39*	
		For Type 316 Stainless Steel Door, Add	*650.64*	
		For Embossed Panel Door, Add	*120.12*	
		For Baked Enamel Finish, Add	*174.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.38*	
		For >100, Deduct	*-54.01*	
		For 2" Thick Door, Add	*40.40*	
		For Polystyrene Core, Add	*50.05*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.12*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.56*	
		For Steel Stiffened, Add	*125.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0058	EA	2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	671.73	84.14
		For Galvanized Steel Door, Add	*100.69*	
		For Type 304 Stainless Steel Door, Add	*402.75*	
		For Type 316 Stainless Steel Door, Add	*654.47*	
		For Embossed Panel Door, Add	*120.83*	
		For Baked Enamel Finish, Add	*176.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.79*	
		For >100, Deduct	*-54.59*	
		For 2" Thick Door, Add	*40.71*	
		For Polystyrene Core, Add	*50.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.93*	
		For Steel Stiffened, Add	*125.86*	
08 13 13 13-0059	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	678.24	85.93
		For Galvanized Steel Door, Add	*101.28*	
		For Type 304 Stainless Steel Door, Add	*405.10*	
		For Type 316 Stainless Steel Door, Add	*658.29*	
		For Embossed Panel Door, Add	*121.53*	
		For Baked Enamel Finish, Add	*177.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.21*	
		For >100, Deduct	*-55.16*	
		For 2" Thick Door, Add	*41.01*	
		For Polystyrene Core, Add	*50.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.30*	
		For Steel Stiffened, Add	*126.60*	
08 13 13 13-0060	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.51	85.93
		For Galvanized Steel Door, Add	*108.93*	
		For Type 304 Stainless Steel Door, Add	*435.72*	
		For Type 316 Stainless Steel Door, Add	*708.05*	
		For Embossed Panel Door, Add	*130.72*	
		For Baked Enamel Finish, Add	*189.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.12*	
		For >100, Deduct	*-58.03*	
		For 2" Thick Door, Add	*43.78*	
		For Polystyrene Core, Add	*54.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.08*	
		For Steel Stiffened, Add	*136.16*	
08 13 13 13-0061	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	738.39	89.51
		For Galvanized Steel Door, Add	*111.87*	
		For Type 304 Stainless Steel Door, Add	*447.50*	
		For Type 316 Stainless Steel Door, Add	*727.18*	
		For Embossed Panel Door, Add	*134.25*	
		For Baked Enamel Finish, Add	*194.66*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.40*	
		For >100, Deduct	*-59.85*	
		For 2" Thick Door, Add	*45.03*	
		For Polystyrene Core, Add	*55.94*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*139.84*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.92*	
		For Steel Stiffened, Add	*139.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0062	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.61	96.67
		For Galvanized Steel Door, Add	*123.65*	
		For Type 304 Stainless Steel Door, Add	*494.61*	
		For Type 316 Stainless Steel Door, Add	*803.74*	
		For Embossed Panel Door, Add	*148.38*	
		For Baked Enamel Finish, Add	*214.48*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.41*	
		For >100, Deduct	*-65.70*	
		For 2" Thick Door, Add	*49.66*	
		For Polystyrene Core, Add	*61.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.28*	
		For Steel Stiffened, Add	*154.57*	

08 13 13 13-0063 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0064	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	731.11	78.77
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*195.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.49*	
		For >100, Deduct	*-58.77*	
		For 2" Thick Door, Add	*45.52*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.70*	
		For Steel Stiffened, Add	*143.39*	
08 13 13 13-0065	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	731.11	78.77
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*195.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.49*	
		For >100, Deduct	*-58.77*	
		For 2" Thick Door, Add	*45.52*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.70*	
		For Steel Stiffened, Add	*143.39*	
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	750.00	82.35
		For Up To 1' Extra Height, Add	*161.95*	
		For 1' To 1'-6" Extra Height, Add	*308.98*	
		For Galvanized Steel Door, Add	*117.06*	
		For Type 304 Stainless Steel Door, Add	*468.24*	
		For Type 316 Stainless Steel Door, Add	*760.89*	
		For Embossed Panel Door, Add	*140.47*	
		For Baked Enamel Finish, Add	*200.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.62*	
		For >100, Deduct	*-60.37*	
		For 2" Thick Door, Add	*46.55*	
		For Polystyrene Core, Add	*58.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.16*	
		For Steel Stiffened, Add	*146.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	758.73	82.35
		For Up To 1' Extra Height, Add	*164.37*	
		For 1' To 1'-6" Extra Height, Add	*313.59*	
		For Galvanized Steel Door, Add	*118.81*	
		For Type 304 Stainless Steel Door, Add	*475.22*	
		For Type 316 Stainless Steel Door, Add	*772.24*	
		For Embossed Panel Door, Add	*142.57*	
		For Baked Enamel Finish, Add	*202.91*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.05*	
		For >100, Deduct	*-61.02*	
		For 2" Thick Door, Add	*47.18*	
		For Polystyrene Core, Add	*59.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*148.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.25*	
		For Steel Stiffened, Add	*148.51*	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	765.81	84.14
		For Up To 1' Extra Height, Add	*165.33*	
		For 1' To 1'-6" Extra Height, Add	*315.43*	
		For Galvanized Steel Door, Add	*119.50*	
		For Type 304 Stainless Steel Door, Add	*478.02*	
		For Type 316 Stainless Steel Door, Add	*776.78*	
		For Embossed Panel Door, Add	*143.40*	
		For Baked Enamel Finish, Add	*204.50*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.50*	
		For >100, Deduct	*-61.64*	
		For 2" Thick Door, Add	*47.53*	
		For Polystyrene Core, Add	*59.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.38*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.69*	
		For Steel Stiffened, Add	*149.38*	
08 13 13 13-0069	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	772.88	85.93
		For Up To 1' Extra Height, Add	*166.30*	
		For 1' To 1'-6" Extra Height, Add	*317.28*	
		For Galvanized Steel Door, Add	*120.20*	
		For Type 304 Stainless Steel Door, Add	*480.82*	
		For Type 316 Stainless Steel Door, Add	*781.33*	
		For Embossed Panel Door, Add	*144.24*	
		For Baked Enamel Finish, Add	*206.09*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.94*	
		For >100, Deduct	*-62.26*	
		For 2" Thick Door, Add	*47.87*	
		For Polystyrene Core, Add	*60.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*150.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.13*	
		For Steel Stiffened, Add	*150.26*	
08 13 13 13-0070	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	818.31	85.93
		For Up To 1' Extra Height, Add	*178.87*	
		For 1' To 1'-6" Extra Height, Add	*341.26*	
		For Galvanized Steel Door, Add	*129.29*	
		For Type 304 Stainless Steel Door, Add	*517.16*	
		For Type 316 Stainless Steel Door, Add	*840.39*	
		For Embossed Panel Door, Add	*155.15*	
		For Baked Enamel Finish, Add	*219.71*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.21*	
		For >100, Deduct	*-65.67*	
		For 2" Thick Door, Add	*51.16*	
		For Polystyrene Core, Add	*64.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*161.61*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.81*	
		For Steel Stiffened, Add	*161.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.94	89.51
		For Up To 1' Extra Height, Add	*183.71*	
		For 1' To 1'-6" Extra Height, Add	*350.48*	
		For Galvanized Steel Door, Add	*132.78*	
		For Type 304 Stainless Steel Door, Add	*531.14*	
		For Type 316 Stainless Steel Door, Add	*863.10*	
		For Embossed Panel Door, Add	*159.34*	
		For Baked Enamel Finish, Add	*226.03*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.62*	
		For >100, Deduct	*-67.70*	
		For 2" Thick Door, Add	*52.61*	
		For Polystyrene Core, Add	*66.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*82.99*	
		For Steel Stiffened, Add	*165.98*	
08 13 13 13-0072	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	927.15	96.67
		For Up To 1' Extra Height, Add	*203.04*	
		For 1' To 1'-6" Extra Height, Add	*387.37*	
		For Galvanized Steel Door, Add	*146.76*	
		For Type 304 Stainless Steel Door, Add	*587.04*	
		For Type 316 Stainless Steel Door, Add	*953.94*	
		For Embossed Panel Door, Add	*176.11*	
		For Baked Enamel Finish, Add	*249.14*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.19*	
		For >100, Deduct	*-74.37*	
		For 2" Thick Door, Add	*58.03*	
		For Polystyrene Core, Add	*73.38*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*183.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.73*	
		For Steel Stiffened, Add	*183.45*	
08 13 13 13-0073		16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*		
08 13 13 13-0074		6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*		
08 13 13 13-0075	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	796.51	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*215.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.76*	
		For >100, Deduct	*-63.68*	
		For 2" Thick Door, Add	*50.26*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.87*	
		For Steel Stiffened, Add	*159.74*	
08 13 13 13-0076	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	796.51	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*215.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.76*	
		For >100, Deduct	*-63.68*	
		For 2" Thick Door, Add	*50.26*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.87*	
		For Steel Stiffened, Add	*159.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	816.74	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*260.82*	
		For Galvanized Steel Door, Add	*130.41*	
		For Type 304 Stainless Steel Door, Add	*521.63*	
		For Type 316 Stainless Steel Door, Add	*847.65*	
		For Embossed Panel Door, Add	*156.49*	
		For Baked Enamel Finish, Add	*220.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.95*	
		For >100, Deduct	*-65.37*	
		For 2" Thick Door, Add	*51.39*	
		For Polystyrene Core, Add	*65.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.51*	
		For Steel Stiffened, Add	*163.01*	
08 13 13 13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.47	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*264.71*	
		For Galvanized Steel Door, Add	*132.35*	
		For Type 304 Stainless Steel Door, Add	*529.42*	
		For Type 316 Stainless Steel Door, Add	*860.30*	
		For Embossed Panel Door, Add	*158.82*	
		For Baked Enamel Finish, Add	*223.24*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.44*	
		For >100, Deduct	*-66.10*	
		For 2" Thick Door, Add	*52.10*	
		For Polystyrene Core, Add	*66.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*82.72*	
		For Steel Stiffened, Add	*165.44*	
08 13 13 13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	833.97	84.14
		For 14 Gauge, Level 4 Maximum Duty, Add	*266.27*	
		For Galvanized Steel Door, Add	*133.14*	
		For Type 304 Stainless Steel Door, Add	*532.54*	
		For Type 316 Stainless Steel Door, Add	*865.38*	
		For Embossed Panel Door, Add	*159.76*	
		For Baked Enamel Finish, Add	*224.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.91*	
		For >100, Deduct	*-66.76*	
		For 2" Thick Door, Add	*52.47*	
		For Polystyrene Core, Add	*66.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.42*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.21*	
		For Steel Stiffened, Add	*166.42*	
08 13 13 13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	841.42	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.82*	
		For Galvanized Steel Door, Add	*133.91*	
		For Type 304 Stainless Steel Door, Add	*535.65*	
		For Type 316 Stainless Steel Door, Add	*870.43*	
		For Embossed Panel Door, Add	*160.69*	
		For Baked Enamel Finish, Add	*226.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.37*	
		For >100, Deduct	*-67.40*	
		For 2" Thick Door, Add	*52.84*	
		For Polystyrene Core, Add	*66.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.70*	
		For Steel Stiffened, Add	*167.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	892.02	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.06*	
		For Galvanized Steel Door, Add	*144.03*	
		For Type 304 Stainless Steel Door, Add	*576.13*	
		For Type 316 Stainless Steel Door, Add	*936.21*	
		For Embossed Panel Door, Add	*172.84*	
		For Baked Enamel Finish, Add	*241.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.90*	
		For >100, Deduct	*-71.20*	
		For 2" Thick Door, Add	*56.51*	
		For Polystyrene Core, Add	*72.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.04*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.02*	
		For Steel Stiffened, Add	*180.04*	
08 13 13 13-0082	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	918.65	89.51
		For 14 Gauge, Level 4 Maximum Duty, Add	*295.85*	
		For Galvanized Steel Door, Add	*147.93*	
		For Type 304 Stainless Steel Door, Add	*591.70*	
		For Type 316 Stainless Steel Door, Add	*961.52*	
		For Embossed Panel Door, Add	*177.51*	
		For Baked Enamel Finish, Add	*248.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.41*	
		For >100, Deduct	*-73.37*	
		For 2" Thick Door, Add	*58.10*	
		For Polystyrene Core, Add	*73.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*92.45*	
		For Steel Stiffened, Add	*184.91*	
08 13 13 13-0083	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,010.83	96.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*326.99*	
		For Galvanized Steel Door, Add	*163.50*	
		For Type 304 Stainless Steel Door, Add	*653.98*	
		For Type 316 Stainless Steel Door, Add	*1,062.72*	
		For Embossed Panel Door, Add	*196.20*	
		For Baked Enamel Finish, Add	*274.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.38*	
		For >100, Deduct	*-80.65*	
		For 2" Thick Door, Add	*64.10*	
		For Polystyrene Core, Add	*81.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*204.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*102.19*	
		For Steel Stiffened, Add	*204.37*	

08 13 13 13-0084 7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0085	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.68	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*219.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.52*	
		For >100, Deduct	*-64.81*	
		For 2" Thick Door, Add	*51.36*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.77*	
		For Steel Stiffened, Add	*163.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0086	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.68	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*219.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.52*	
		For >100, Deduct	*-64.81*	
		For 2" Thick Door, Add	*51.36*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.77*	
		For Steel Stiffened, Add	*163.54*	
08 13 13 13-0087	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	832.21	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.00*	
		For Galvanized Steel Door, Add	*133.50*	
		For Type 304 Stainless Steel Door, Add	*534.01*	
		For Type 316 Stainless Steel Door, Add	*867.76*	
		For Embossed Panel Door, Add	*160.20*	
		For Baked Enamel Finish, Add	*224.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.73*	
		For >100, Deduct	*-66.53*	
		For 2" Thick Door, Add	*52.51*	
		For Polystyrene Core, Add	*66.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.44*	
		For Steel Stiffened, Add	*166.88*	
08 13 13 13-0088	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.18	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*270.99*	
		For Galvanized Steel Door, Add	*135.50*	
		For Type 304 Stainless Steel Door, Add	*541.98*	
		For Type 316 Stainless Steel Door, Add	*880.72*	
		For Embossed Panel Door, Add	*162.60*	
		For Baked Enamel Finish, Add	*227.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.23*	
		For >100, Deduct	*-67.28*	
		For 2" Thick Door, Add	*53.23*	
		For Polystyrene Core, Add	*67.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*84.69*	
		For Steel Stiffened, Add	*169.37*	
08 13 13 13-0089	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	849.75	84.14
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.58*	
		For Galvanized Steel Door, Add	*136.29*	
		For Type 304 Stainless Steel Door, Add	*545.17*	
		For Type 316 Stainless Steel Door, Add	*885.90*	
		For Embossed Panel Door, Add	*163.55*	
		For Baked Enamel Finish, Add	*229.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.69*	
		For >100, Deduct	*-67.94*	
		For 2" Thick Door, Add	*53.61*	
		For Polystyrene Core, Add	*68.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.18*	
		For Steel Stiffened, Add	*170.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	857.30	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.18*	
		For Galvanized Steel Door, Add	*137.09*	
		For Type 304 Stainless Steel Door, Add	*548.35*	
		For Type 316 Stainless Steel Door, Add	*891.07*	
		For Embossed Panel Door, Add	*164.51*	
		For Baked Enamel Finish, Add	*231.41*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.16*	
		For >100, Deduct	*-68.59*	
		For 2" Thick Door, Add	*53.99*	
		For Polystyrene Core, Add	*68.54*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.68*	
		For Steel Stiffened, Add	*171.36*	
08 13 13 13-0091	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	909.11	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*294.90*	
		For Galvanized Steel Door, Add	*147.45*	
		For Type 304 Stainless Steel Door, Add	*589.80*	
		For Type 316 Stainless Steel Door, Add	*958.43*	
		For Embossed Panel Door, Add	*176.94*	
		For Baked Enamel Finish, Add	*246.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.75*	
		For >100, Deduct	*-72.48*	
		For 2" Thick Door, Add	*57.75*	
		For Polystyrene Core, Add	*73.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.31*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*92.16*	
		For Steel Stiffened, Add	*184.31*	
08 13 13 13-0092	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	936.20	89.51
		For 14 Gauge, Level 4 Maximum Duty, Add	*302.87*	
		For Galvanized Steel Door, Add	*151.44*	
		For Type 304 Stainless Steel Door, Add	*605.74*	
		For Type 316 Stainless Steel Door, Add	*984.33*	
		For Embossed Panel Door, Add	*181.72*	
		For Baked Enamel Finish, Add	*254.01*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.29*	
		For >100, Deduct	*-74.69*	
		For 2" Thick Door, Add	*59.37*	
		For Polystyrene Core, Add	*75.72*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*189.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*94.65*	
		For Steel Stiffened, Add	*189.30*	
08 13 13 13-0093	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,030.23	96.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*334.75*	
		For Galvanized Steel Door, Add	*167.38*	
		For Type 304 Stainless Steel Door, Add	*669.50*	
		For Type 316 Stainless Steel Door, Add	*1,087.94*	
		For Embossed Panel Door, Add	*200.85*	
		For Baked Enamel Finish, Add	*280.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.35*	
		For >100, Deduct	*-82.10*	
		For 2" Thick Door, Add	*65.51*	
		For Polystyrene Core, Add	*83.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*209.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*104.61*	
		For Steel Stiffened, Add	*209.22*	

08 13 13 13-0094 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0095	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.84	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*224.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.28*	
		For >100, Deduct	*-65.95*	
		For 2" Thick Door, Add	*52.46*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.66*	
		For Steel Stiffened, Add	*167.33*	
08 13 13 13-0096	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.84	78.77
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*224.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.28*	
		For >100, Deduct	*-65.95*	
		For 2" Thick Door, Add	*52.46*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.66*	
		For Steel Stiffened, Add	*167.33*	
08 13 13 13-0097	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	847.69	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*273.20*	
		For Galvanized Steel Door, Add	*136.60*	
		For Type 304 Stainless Steel Door, Add	*546.39*	
		For Type 316 Stainless Steel Door, Add	*887.89*	
		For Embossed Panel Door, Add	*163.92*	
		For Baked Enamel Finish, Add	*229.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.50*	
		For >100, Deduct	*-67.69*	
		For 2" Thick Door, Add	*53.63*	
		For Polystyrene Core, Add	*68.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.75*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.37*	
		For Steel Stiffened, Add	*170.75*	
08 13 13 13-0098	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	857.88	82.35
		For 14 Gauge, Level 4 Maximum Duty, Add	*277.27*	
		For Galvanized Steel Door, Add	*138.64*	
		For Type 304 Stainless Steel Door, Add	*554.54*	
		For Type 316 Stainless Steel Door, Add	*901.13*	
		For Embossed Panel Door, Add	*166.36*	
		For Baked Enamel Finish, Add	*232.66*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.01*	
		For >100, Deduct	*-68.46*	
		For 2" Thick Door, Add	*54.37*	
		For Polystyrene Core, Add	*69.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.65*	
		For Steel Stiffened, Add	*173.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	865.56	84.14
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.91*	
		For Galvanized Steel Door, Add	*139.45*	
		For Type 304 Stainless Steel Door, Add	*557.82*	
		For Type 316 Stainless Steel Door, Add	*906.45*	
		For Embossed Panel Door, Add	*167.34*	
		For Baked Enamel Finish, Add	*234.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.49*	
		For >100, Deduct	*-69.12*	
		For 2" Thick Door, Add	*54.76*	
		For Polystyrene Core, Add	*69.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.16*	
		For Steel Stiffened, Add	*174.32*	
08 13 13 13-0100	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	873.20	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*280.54*	
		For Galvanized Steel Door, Add	*140.27*	
		For Type 304 Stainless Steel Door, Add	*561.07*	
		For Type 316 Stainless Steel Door, Add	*911.74*	
		For Embossed Panel Door, Add	*168.32*	
		For Baked Enamel Finish, Add	*236.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.96*	
		For >100, Deduct	*-69.79*	
		For 2" Thick Door, Add	*55.14*	
		For Polystyrene Core, Add	*70.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*175.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.67*	
		For Steel Stiffened, Add	*175.34*	
08 13 13 13-0101	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	926.21	85.93
		For 14 Gauge, Level 4 Maximum Duty, Add	*301.74*	
		For Galvanized Steel Door, Add	*150.87*	
		For Type 304 Stainless Steel Door, Add	*603.48*	
		For Type 316 Stainless Steel Door, Add	*980.66*	
		For Embossed Panel Door, Add	*181.04*	
		For Baked Enamel Finish, Add	*252.08*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.61*	
		For >100, Deduct	*-73.76*	
		For 2" Thick Door, Add	*58.99*	
		For Polystyrene Core, Add	*75.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*188.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*94.29*	
		For Steel Stiffened, Add	*188.59*	
08 13 13 13-0102	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	953.75	89.51
		For 14 Gauge, Level 4 Maximum Duty, Add	*309.89*	
		For Galvanized Steel Door, Add	*154.95*	
		For Type 304 Stainless Steel Door, Add	*619.78*	
		For Type 316 Stainless Steel Door, Add	*1,007.15*	
		For Embossed Panel Door, Add	*185.94*	
		For Baked Enamel Finish, Add	*259.27*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.16*	
		For >100, Deduct	*-76.01*	
		For 2" Thick Door, Add	*60.64*	
		For Polystyrene Core, Add	*77.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*193.68*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*96.84*	
		For Steel Stiffened, Add	*193.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0103	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,049.63	96.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*342.51*	
		For Galvanized Steel Door, Add	*171.26*	
		For Type 304 Stainless Steel Door, Add	*685.02*	
		For Type 316 Stainless Steel Door, Add	*1,113.16*	
		For Embossed Panel Door, Add	*205.51*	
		For Baked Enamel Finish, Add	*285.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.32*	
		For >100, Deduct	*-83.56*	
		For 2" Thick Door, Add	*66.91*	
		For Polystyrene Core, Add	*85.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*214.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*107.04*	
		For Steel Stiffened, Add	*214.07*	

08 13 13 13-0104 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0105	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	951.93	78.77
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*261.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.54*	
		For >100, Deduct	*-75.33*	
		For 2" Thick Door, Add	*61.53*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*99.30*	
		For Steel Stiffened, Add	*198.60*	
08 13 13 13-0106	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	951.93	78.77
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*261.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.54*	
		For >100, Deduct	*-75.33*	
		For 2" Thick Door, Add	*61.53*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*99.30*	
		For Steel Stiffened, Add	*198.60*	
08 13 13 13-0107	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.34	82.35
		For Up To 1' Extra Height, Add	*224.30*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*324.26*	
		For Galvanized Steel Door, Add	*162.13*	
		For Type 304 Stainless Steel Door, Add	*648.51*	
		For Type 316 Stainless Steel Door, Add	*1,053.83*	
		For Embossed Panel Door, Add	*194.55*	
		For Baked Enamel Finish, Add	*267.90*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.88*	
		For >100, Deduct	*-77.27*	
		For 2" Thick Door, Add	*62.89*	
		For Polystyrene Core, Add	*81.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*202.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*101.33*	
		For Steel Stiffened, Add	*202.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0108	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	987.44	82.35
		For Up To 1' Extra Height, Add	*227.65*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*329.10*	
		For Galvanized Steel Door, Add	*164.55*	
		For Type 304 Stainless Steel Door, Add	*658.19*	
		For Type 316 Stainless Steel Door, Add	*1,069.56*	
		For Embossed Panel Door, Add	*197.46*	
		For Baked Enamel Finish, Add	*271.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.49*	
		For >100, Deduct	*-78.18*	
		For 2" Thick Door, Add	*63.77*	
		For Polystyrene Core, Add	*82.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*205.69*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*102.84*	
		For Steel Stiffened, Add	*205.69*	
08 13 13 13-0109	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	995.86	84.14
		For Up To 1' Extra Height, Add	*228.99*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*331.03*	
		For Galvanized Steel Door, Add	*165.51*	
		For Type 304 Stainless Steel Door, Add	*662.06*	
		For Type 316 Stainless Steel Door, Add	*1,075.84*	
		For Embossed Panel Door, Add	*198.62*	
		For Baked Enamel Finish, Add	*273.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.00*	
		For >100, Deduct	*-78.90*	
		For 2" Thick Door, Add	*64.21*	
		For Polystyrene Core, Add	*82.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.45*	
		For Steel Stiffened, Add	*206.89*	
08 13 13 13-0110	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,004.27	85.93
		For Up To 1' Extra Height, Add	*230.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*332.96*	
		For Galvanized Steel Door, Add	*166.48*	
		For Type 304 Stainless Steel Door, Add	*665.93*	
		For Type 316 Stainless Steel Door, Add	*1,082.13*	
		For Embossed Panel Door, Add	*199.78*	
		For Baked Enamel Finish, Add	*275.50*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.51*	
		For >100, Deduct	*-79.62*	
		For 2" Thick Door, Add	*64.65*	
		For Polystyrene Core, Add	*83.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*208.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*104.05*	
		For Steel Stiffened, Add	*208.10*	
08 13 13 13-0111	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,067.19	85.93
		For Up To 1' Extra Height, Add	*247.74*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*358.13*	
		For Galvanized Steel Door, Add	*179.07*	
		For Type 304 Stainless Steel Door, Add	*716.26*	
		For Type 316 Stainless Steel Door, Add	*1,163.93*	
		For Embossed Panel Door, Add	*214.88*	
		For Baked Enamel Finish, Add	*294.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.66*	
		For >100, Deduct	*-84.34*	
		For 2" Thick Door, Add	*69.21*	
		For Polystyrene Core, Add	*89.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*223.83*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.92*	
		For Steel Stiffened, Add	*223.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0112	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,098.55	89.51
		For Up To 1' Extra Height, Add	*254.43*	
		For 1' To 1'-6" Extra Height, Add	*485.42*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*367.81*	
		For Galvanized Steel Door, Add	*183.91*	
		For Type 304 Stainless Steel Door, Add	*735.62*	
		For Type 316 Stainless Steel Door, Add	*1,195.39*	
		For Embossed Panel Door, Add	*220.69*	
		For Baked Enamel Finish, Add	*302.71*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-59.40*	
		For >100, Deduct	*-86.87*	
		For 2" Thick Door, Add	*71.14*	
		For Polystyrene Core, Add	*91.95*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*229.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*114.94*	
		For Steel Stiffened, Add	*229.88*	
08 13 13 13-0113	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,209.67	96.67
		For Up To 1' Extra Height, Add	*281.22*	
		For 1' To 1'-6" Extra Height, Add	*536.52*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*406.53*	
		For Galvanized Steel Door, Add	*203.26*	
		For Type 304 Stainless Steel Door, Add	*813.06*	
		For Type 316 Stainless Steel Door, Add	*1,321.22*	
		For Embossed Panel Door, Add	*243.92*	
		For Baked Enamel Finish, Add	*333.90*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-65.32*	
		For >100, Deduct	*-95.56*	
		For 2" Thick Door, Add	*78.52*	
		For Polystyrene Core, Add	*101.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*254.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*127.04*	
		For Steel Stiffened, Add	*254.08*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,774.21	179.02
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,865.09	214.83
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	864.90	107.41
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	992.28	114.57
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	1,119.65	121.74
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,360.09	128.90

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.78	78.77
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-27.15*	
		For >100, Deduct	*-39.23*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.78	78.77
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-27.15*	
		For >100, Deduct	*-39.23*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.17	82.35
		For >25 To 50, Deduct	*-17.93*	
		For >50 To 100, Deduct	*-28.67*	
		For >100, Deduct	*-41.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	310.96	82.35
		For >25 To 50, Deduct	*-18.20*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-42.53*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.55	82.35
		For >25 To 50, Deduct	*-18.27*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-42.77*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.51	85.93
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.19*	
		For >100, Deduct	*-43.78*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	335.03	85.93
		For >25 To 50, Deduct	*-19.42*	
		For >50 To 100, Deduct	*-31.46*	
		For >100, Deduct	*-45.96*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.63	89.51
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-33.09*	
		For >100, Deduct	*-48.42*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.37	78.77
		For >25 To 50, Deduct	*-17.33*	
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-40.37*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.37	78.77
		For >25 To 50, Deduct	*-17.33*	
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-40.37*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.30	82.35
		For >25 To 50, Deduct	*-18.26*	
		For >50 To 100, Deduct	*-29.39*	
		For >100, Deduct	*-42.73*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.48	82.35
		For >25 To 50, Deduct	*-18.54*	
		For >50 To 100, Deduct	*-30.01*	
		For >100, Deduct	*-43.80*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.16	82.35
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-30.16*	
		For >100, Deduct	*-44.06*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.16	85.93
		For >25 To 50, Deduct	*-19.18*	
		For >50 To 100, Deduct	*-30.95*	
		For >100, Deduct	*-45.08*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	344.52	85.93
		For >25 To 50, Deduct	*-19.80*	
		For >50 To 100, Deduct	*-32.29*	
		For >100, Deduct	*-47.38*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	362.73	89.51
		For >25 To 50, Deduct	*-20.77*	
		For >50 To 100, Deduct	*-33.98*	
		For >100, Deduct	*-49.93*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.24	78.77
		For >25 To 50, Deduct	*-18.40*	
		For >50 To 100, Deduct	*-30.17*	
		For >100, Deduct	*-44.40*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.24	78.77
		For >25 To 50, Deduct	*-18.40*	
		For >50 To 100, Deduct	*-30.17*	
		For >100, Deduct	*-44.40*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	341.09	82.35
		For >25 To 50, Deduct	*-19.41*	
		For >50 To 100, Deduct	*-31.90*	
		For >100, Deduct	*-47.05*	
		For 9' Door Height, Add	*37.04*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.65	82.35
		For >25 To 50, Deduct	*-19.75*	
		For >50 To 100, Deduct	*-32.65*	
		For >100, Deduct	*-48.33*	
		For 9' Door Height, Add	*38.84*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	351.67	82.35
		For >25 To 50, Deduct	*-19.83*	
		For >50 To 100, Deduct	*-32.83*	
		For >100, Deduct	*-48.63*	
		For 9' Door Height, Add	*39.26*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	359.82	85.93
		For >25 To 50, Deduct	*-20.41*	
		For >50 To 100, Deduct	*-33.63*	
		For >100, Deduct	*-49.68*	
		For 9' Door Height, Add	*39.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	378.19	85.93
		For >25 To 50, Deduct	*-21.14*	
		For >50 To 100, Deduct	*-35.24*	
		For >100, Deduct	*-52.43*	
		For 9' Door Height, Add	*43.33*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	398.54	89.51
		For >25 To 50, Deduct	*-22.21*	
		For >50 To 100, Deduct	*-37.11*	
		For >100, Deduct	*-55.31*	
		For 9' Door Height, Add	*46.10*	
08 14 16 00-0027		**Oak Faced Wood Door** *(08 14 16 00-0001)*		
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.35	78.77
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-38.84*	
		For >100, Deduct	*-59.26*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.35	78.77
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-38.84*	
		For >100, Deduct	*-59.26*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	447.20	82.35
		For >25 To 50, Deduct	*-23.65*	
		For >50 To 100, Deduct	*-41.19*	
		For >100, Deduct	*-62.96*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	460.96	82.35
		For >25 To 50, Deduct	*-24.20*	
		For >50 To 100, Deduct	*-42.39*	
		For >100, Deduct	*-65.03*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	463.39	82.35
		For >25 To 50, Deduct	*-24.30*	
		For >50 To 100, Deduct	*-42.61*	
		For >100, Deduct	*-65.39*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	472.97	85.93
		For >25 To 50, Deduct	*-24.93*	
		For >50 To 100, Deduct	*-43.53*	
		For >100, Deduct	*-66.65*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	502.34	85.93
		For >25 To 50, Deduct	*-26.11*	
		For >50 To 100, Deduct	*-46.10*	
		For >100, Deduct	*-71.05*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	530.66	89.51
		For >25 To 50, Deduct	*-27.49*	
		For >50 To 100, Deduct	*-48.67*	
		For >100, Deduct	*-75.12*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	436.69	78.77
		For >25 To 50, Deduct	*-22.98*	
		For >50 To 100, Deduct	*-40.18*	
		For >100, Deduct	*-61.57*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	436.69	78.77
		For >25 To 50, Deduct	*-22.98*	
		For >50 To 100, Deduct	*-40.18*	
		For >100, Deduct	*-61.57*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	463.65	82.35
		For >25 To 50, Deduct	*-24.31*	
		For >50 To 100, Deduct	*-42.63*	
		For >100, Deduct	*-65.43*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	478.20	82.35
		For >25 To 50, Deduct	*-24.89*	
		For >50 To 100, Deduct	*-43.90*	
		For >100, Deduct	*-67.61*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.76	82.35
		For >25 To 50, Deduct	*-24.99*	
		For >50 To 100, Deduct	*-44.13*	
		For >100, Deduct	*-68.00*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	490.48	85.93
		For >25 To 50, Deduct	*-25.63*	
		For >50 To 100, Deduct	*-45.07*	
		For >100, Deduct	*-69.28*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	521.56	85.93
		For >25 To 50, Deduct	*-26.88*	
		For >50 To 100, Deduct	*-47.78*	
		For >100, Deduct	*-73.94*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	551.12	89.51
		For >25 To 50, Deduct	*-28.31*	
		For >50 To 100, Deduct	*-50.46*	
		For >100, Deduct	*-78.19*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.15	78.77
		For >25 To 50, Deduct	*-25.16*	
		For >50 To 100, Deduct	*-44.94*	
		For >100, Deduct	*-69.73*	
		For 9' Door Height, Add	*70.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.15	78.77
		For >25 To 50, Deduct	*-25.16*	
		For >50 To 100, Deduct	*-44.94*	
		For >100, Deduct	*-69.73*	
		For 9' Door Height, Add	*70.06*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	521.94	82.35
		For >25 To 50, Deduct	*-26.64*	
		For >50 To 100, Deduct	*-47.73*	
		For >100, Deduct	*-74.17*	
		For 9' Door Height, Add	*75.02*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	539.31	82.35
		For >25 To 50, Deduct	*-27.34*	
		For >50 To 100, Deduct	*-49.25*	
		For >100, Deduct	*-76.78*	
		For 9' Door Height, Add	*78.67*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	542.40	82.35
		For >25 To 50, Deduct	*-27.46*	
		For >50 To 100, Deduct	*-49.52*	
		For >100, Deduct	*-77.24*	
		For 9' Door Height, Add	*79.32*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	552.60	85.93
		For >25 To 50, Deduct	*-28.12*	
		For >50 To 100, Deduct	*-50.50*	
		For >100, Deduct	*-78.59*	
		For 9' Door Height, Add	*79.96*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	589.77	85.93
		For >25 To 50, Deduct	*-29.61*	
		For >50 To 100, Deduct	*-53.75*	
		For >100, Deduct	*-84.17*	
		For 9' Door Height, Add	*87.76*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	623.70	89.51
		For >25 To 50, Deduct	*-31.21*	
		For >50 To 100, Deduct	*-56.81*	
		For >100, Deduct	*-89.08*	
		For 9' Door Height, Add	*93.38*	
08 14 16 00-0052		**Maple Faced Wood Door** *(08 14 16 00-0001)*		
08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.86	78.77
		For >25 To 50, Deduct	*-19.55*	
		For >50 To 100, Deduct	*-32.67*	
		For >100, Deduct	*-48.69*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.86	78.77
		For >25 To 50, Deduct	*-19.55*	
		For >50 To 100, Deduct	*-32.67*	
		For >100, Deduct	*-48.69*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	371.70	82.35
		For >25 To 50, Deduct	*-20.63*	
		For >50 To 100, Deduct	*-34.58*	
		For >100, Deduct	*-51.64*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.80	82.35
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-35.47*	
		For >100, Deduct	*-53.15*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.57	82.35
		For >25 To 50, Deduct	*-21.11*	
		For >50 To 100, Deduct	*-35.62*	
		For >100, Deduct	*-53.42*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.51	85.93
		For >25 To 50, Deduct	*-21.72*	
		For >50 To 100, Deduct	*-36.49*	
		For >100, Deduct	*-54.58*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.02	85.93
		For >25 To 50, Deduct	*-22.58*	
		For >50 To 100, Deduct	*-38.38*	
		For >100, Deduct	*-57.81*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	436.69	89.51
		For >25 To 50, Deduct	*-23.73*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-61.03*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	362.09	78.77
		For >25 To 50, Deduct	*-20.00*	
		For >50 To 100, Deduct	*-33.65*	
		For >100, Deduct	*-50.38*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	362.09	78.77
		For >25 To 50, Deduct	*-20.00*	
		For >50 To 100, Deduct	*-33.65*	
		For >100, Deduct	*-50.38*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.76	82.35
		For >25 To 50, Deduct	*-21.11*	
		For >50 To 100, Deduct	*-35.64*	
		For >100, Deduct	*-53.45*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	394.42	82.35
		For >25 To 50, Deduct	*-21.54*	
		For >50 To 100, Deduct	*-36.57*	
		For >100, Deduct	*-55.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.31	82.35
		For >25 To 50, Deduct	*-21.62*	
		For >50 To 100, Deduct	*-36.74*	
		For >100, Deduct	*-55.33*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	405.33	85.93
		For >25 To 50, Deduct	*-22.23*	
		For >50 To 100, Deduct	*-37.61*	
		For >100, Deduct	*-56.50*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	428.11	85.93
		For >25 To 50, Deduct	*-23.14*	
		For >50 To 100, Deduct	*-39.61*	
		For >100, Deduct	*-59.92*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	451.69	89.51
		For >25 To 50, Deduct	*-24.33*	
		For >50 To 100, Deduct	*-41.76*	
		For >100, Deduct	*-63.28*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.99	78.77
		For >25 To 50, Deduct	*-21.59*	
		For >50 To 100, Deduct	*-37.14*	
		For >100, Deduct	*-56.36*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.99	78.77
		For >25 To 50, Deduct	*-21.59*	
		For >50 To 100, Deduct	*-37.14*	
		For >100, Deduct	*-56.36*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	426.46	82.35
		For >25 To 50, Deduct	*-22.82*	
		For >50 To 100, Deduct	*-39.37*	
		For >100, Deduct	*-59.85*	
		For 9' Door Height, Add	*54.97*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	439.20	82.35
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-40.49*	
		For >100, Deduct	*-61.76*	
		For 9' Door Height, Add	*57.65*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.46	82.35
		For >25 To 50, Deduct	*-23.42*	
		For >50 To 100, Deduct	*-40.69*	
		For >100, Deduct	*-62.10*	
		For 9' Door Height, Add	*58.12*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	450.86	85.93
		For >25 To 50, Deduct	*-24.05*	
		For >50 To 100, Deduct	*-41.60*	
		For >100, Deduct	*-63.33*	
		For 9' Door Height, Add	*58.59*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	478.10	85.93
		For >25 To 50, Deduct	*-25.14*	
		For >50 To 100, Deduct	*-43.98*	
		For >100, Deduct	*-67.42*	
		For 9' Door Height, Add	*64.31*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	504.87	89.51
		For >25 To 50, Deduct	*-26.46*	
		For >50 To 100, Deduct	*-46.41*	
		For >100, Deduct	*-71.26*	
		For 9' Door Height, Add	*68.43*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	251.18	78.77
		For >25 To 50, Deduct	*-15.56*	
		For >50 To 100, Deduct	*-23.95*	
		For >100, Deduct	*-33.74*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	251.18	78.77
		For >25 To 50, Deduct	*-15.56*	
		For >50 To 100, Deduct	*-23.95*	
		For >100, Deduct	*-33.74*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.68	82.35
		For >25 To 50, Deduct	*-16.35*	
		For >50 To 100, Deduct	*-25.22*	
		For >100, Deduct	*-35.58*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.04	82.35
		For >25 To 50, Deduct	*-16.57*	
		For >50 To 100, Deduct	*-25.69*	
		For >100, Deduct	*-36.39*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.93	82.35
		For >25 To 50, Deduct	*-16.64*	
		For >50 To 100, Deduct	*-25.85*	
		For >100, Deduct	*-36.67*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.98	85.93
		For >25 To 50, Deduct	*-17.25*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-37.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.41	85.93
		For >25 To 50, Deduct	*-17.67*	
		For >50 To 100, Deduct	*-27.65*	
		For >100, Deduct	*-39.42*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	306.23	89.51
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-29.03*	
		For >100, Deduct	*-41.46*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.62	78.77
		For >25 To 50, Deduct	*-15.78*	
		For >50 To 100, Deduct	*-24.42*	
		For >100, Deduct	*-34.55*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.58	78.77
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-24.77*	
		For >100, Deduct	*-35.15*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.50	82.35
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-25.73*	
		For >100, Deduct	*-36.46*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.17	82.35
		For >25 To 50, Deduct	*-16.81*	
		For >50 To 100, Deduct	*-26.22*	
		For >100, Deduct	*-37.31*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.71	82.35
		For >25 To 50, Deduct	*-17.07*	
		For >50 To 100, Deduct	*-26.80*	
		For >100, Deduct	*-38.29*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	287.32	85.93
		For >25 To 50, Deduct	*-17.51*	
		For >50 To 100, Deduct	*-27.29*	
		For >100, Deduct	*-38.80*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.37	85.93
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-28.26*	
		For >100, Deduct	*-40.46*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	319.02	89.51
		For >25 To 50, Deduct	*-19.03*	
		For >50 To 100, Deduct	*-30.15*	
		For >100, Deduct	*-43.38*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.95	78.77
		For >25 To 50, Deduct	*-16.55*	
		For >50 To 100, Deduct	*-26.11*	
		For >100, Deduct	*-37.45*	
		For 9' Door Height, Add	*24.87*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.93	78.77
		For >25 To 50, Deduct	*-16.55*	
		For >50 To 100, Deduct	*-26.11*	
		For >100, Deduct	*-37.45*	
		For 9' Door Height, Add	*24.86*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.14	82.35
		For >25 To 50, Deduct	*-17.41*	
		For >50 To 100, Deduct	*-27.53*	
		For >100, Deduct	*-39.55*	
		For 9' Door Height, Add	*26.55*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	297.89	82.35
		For >25 To 50, Deduct	*-17.68*	
		For >50 To 100, Deduct	*-28.12*	
		For >100, Deduct	*-40.57*	
		For 9' Door Height, Add	*27.97*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.30	82.35
		For >25 To 50, Deduct	*-17.78*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-40.93*	
		For 9' Door Height, Add	*28.48*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	309.84	85.93
		For >25 To 50, Deduct	*-18.41*	
		For >50 To 100, Deduct	*-29.26*	
		For >100, Deduct	*-42.18*	
		For 9' Door Height, Add	*28.98*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	323.05	85.93
		For >25 To 50, Deduct	*-18.94*	
		For >50 To 100, Deduct	*-30.42*	
		For >100, Deduct	*-44.16*	
		For 9' Door Height, Add	*31.75*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	339.86	89.51
		For >25 To 50, Deduct	*-19.86*	
		For >50 To 100, Deduct	*-31.98*	
		For >100, Deduct	*-46.50*	
		For 9' Door Height, Add	*33.78*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	276.62	78.77
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.55*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	276.62	78.77
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.55*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	292.46	82.35
		For >25 To 50, Deduct	*-17.46*	
		For >50 To 100, Deduct	*-27.65*	
		For >100, Deduct	*-39.75*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.57	82.35
		For >25 To 50, Deduct	*-17.63*	
		For >50 To 100, Deduct	*-28.01*	
		For >100, Deduct	*-40.37*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.70	82.35
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-28.37*	
		For >100, Deduct	*-40.99*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.96	85.93
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-29.44*	
		For >100, Deduct	*-42.50*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	327.38	85.93
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-44.81*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.48	89.51
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-32.38*	
		For >100, Deduct	*-47.20*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.54	78.77
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-38.59*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.54	78.77
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-38.59*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	299.89	82.35
		For >25 To 50, Deduct	*-17.76*	
		For >50 To 100, Deduct	*-28.30*	
		For >100, Deduct	*-40.87*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	304.25	82.35
		For >25 To 50, Deduct	*-17.93*	
		For >50 To 100, Deduct	*-28.68*	
		For >100, Deduct	*-41.52*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.62	82.35
		For >25 To 50, Deduct	*-18.11*	
		For >50 To 100, Deduct	*-29.06*	
		For >100, Deduct	*-42.18*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	320.13	85.93
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-30.16*	
		For >100, Deduct	*-43.72*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	336.44	85.93
		For >25 To 50, Deduct	*-19.47*	
		For >50 To 100, Deduct	*-31.59*	
		For >100, Deduct	*-46.17*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	354.11	89.51
		For >25 To 50, Deduct	*-20.43*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-48.64*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.09	78.77
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-42.28*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.12	78.77
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-42.28*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	326.25	82.35
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.61*	
		For >100, Deduct	*-44.82*	
		For 9' Door Height, Add	*33.93*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	331.47	82.35
		For >25 To 50, Deduct	*-19.02*	
		For >50 To 100, Deduct	*-31.06*	
		For >100, Deduct	*-45.60*	
		For 9' Door Height, Add	*35.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	336.70	82.35
		For >25 To 50, Deduct	*-19.23*	
		For >50 To 100, Deduct	*-31.52*	
		For >100, Deduct	*-46.39*	
		For 9' Door Height, Add	*36.12*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	349.05	85.93
		For >25 To 50, Deduct	*-19.98*	
		For >50 To 100, Deduct	*-32.69*	
		For >100, Deduct	*-48.06*	
		For 9' Door Height, Add	*37.21*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.54	85.93
		For >25 To 50, Deduct	*-20.76*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-50.98*	
		For 9' Door Height, Add	*41.30*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	388.26	89.51
		For >25 To 50, Deduct	*-21.80*	
		For >50 To 100, Deduct	*-36.21*	
		For >100, Deduct	*-53.76*	
		For 9' Door Height, Add	*43.94*	
08 14 16 00-0127		1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*		
08 14 16 00-0128		Birch Faced Wood Doors *(08 14 16 00-0127)*		
08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.33	78.77
		For >25 To 50, Deduct	*-18.33*	
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-44.11*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.33	78.77
		For >25 To 50, Deduct	*-18.33*	
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-44.11*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.63	82.35
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-31.25*	
		For >100, Deduct	*-45.93*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	335.92	82.35
		For >25 To 50, Deduct	*-19.20*	
		For >50 To 100, Deduct	*-31.45*	
		For >100, Deduct	*-46.27*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.92	82.35
		For >25 To 50, Deduct	*-19.40*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-47.02*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	353.09	85.93
		For >25 To 50, Deduct	*-20.14*	
		For >50 To 100, Deduct	*-33.04*	
		For >100, Deduct	*-48.67*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	379.67	85.93
		For >25 To 50, Deduct	*-21.20*	
		For >50 To 100, Deduct	*-35.37*	
		For >100, Deduct	*-52.65*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	440.76	89.51
		For >25 To 50, Deduct	*-23.90*	
		For >50 To 100, Deduct	*-40.80*	
		For >100, Deduct	*-61.64*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	453.84	89.51
		For >25 To 50, Deduct	*-24.42*	
		For >50 To 100, Deduct	*-41.95*	
		For >100, Deduct	*-63.60*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	480.01	89.51
		For >25 To 50, Deduct	*-25.47*	
		For >50 To 100, Deduct	*-44.24*	
		For >100, Deduct	*-67.53*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.81	78.77
		For >25 To 50, Deduct	*-18.71*	
		For >50 To 100, Deduct	*-30.83*	
		For >100, Deduct	*-45.53*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.81	78.77
		For >25 To 50, Deduct	*-18.71*	
		For >50 To 100, Deduct	*-30.83*	
		For >100, Deduct	*-45.53*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	343.46	82.35
		For >25 To 50, Deduct	*-19.50*	
		For >50 To 100, Deduct	*-32.11*	
		For >100, Deduct	*-47.40*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	345.88	82.35
		For >25 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-32.32*	
		For >100, Deduct	*-47.76*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	351.18	82.35
		For >25 To 50, Deduct	*-19.81*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-48.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	363.63	85.93
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-33.97*	
		For >100, Deduct	*-50.25*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	391.76	85.93
		For >25 To 50, Deduct	*-21.69*	
		For >50 To 100, Deduct	*-36.43*	
		For >100, Deduct	*-54.47*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	456.00	89.51
		For >25 To 50, Deduct	*-24.51*	
		For >50 To 100, Deduct	*-42.14*	
		For >100, Deduct	*-63.92*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	469.84	89.51
		For >25 To 50, Deduct	*-25.06*	
		For >50 To 100, Deduct	*-43.35*	
		For >100, Deduct	*-66.00*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	497.54	89.51
		For >25 To 50, Deduct	*-26.17*	
		For >50 To 100, Deduct	*-45.77*	
		For >100, Deduct	*-70.16*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	363.41	78.77
		For >25 To 50, Deduct	*-20.05*	
		For >50 To 100, Deduct	*-33.77*	
		For >100, Deduct	*-50.57*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	363.41	78.77
		For >25 To 50, Deduct	*-20.05*	
		For >50 To 100, Deduct	*-33.77*	
		For >100, Deduct	*-50.57*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	378.32	82.35
		For >25 To 50, Deduct	*-20.90*	
		For >50 To 100, Deduct	*-35.16*	
		For >100, Deduct	*-52.63*	
		For 9' Door Height, Add	*44.86*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	381.20	82.35
		For >25 To 50, Deduct	*-21.01*	
		For >50 To 100, Deduct	*-35.41*	
		For >100, Deduct	*-53.06*	
		For 9' Door Height, Add	*45.47*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	387.56	82.35
		For >25 To 50, Deduct	*-21.27*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-54.02*	
		For 9' Door Height, Add	*46.80*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	401.02	85.93
		For >25 To 50, Deduct	*-22.06*	
		For >50 To 100, Deduct	*-37.24*	
		For >100, Deduct	*-55.86*	
		For 9' Door Height, Add	*48.12*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	434.65	85.93
		For >25 To 50, Deduct	*-23.40*	
		For >50 To 100, Deduct	*-40.18*	
		For >100, Deduct	*-60.90*	
		For 9' Door Height, Add	*55.19*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	510.01	89.51
		For >25 To 50, Deduct	*-26.67*	
		For >50 To 100, Deduct	*-46.86*	
		For >100, Deduct	*-72.03*	
		For 9' Door Height, Add	*69.51*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	526.54	89.51
		For >25 To 50, Deduct	*-27.33*	
		For >50 To 100, Deduct	*-48.31*	
		For >100, Deduct	*-74.51*	
		For 9' Door Height, Add	*72.98*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	559.66	89.51
		For >25 To 50, Deduct	*-28.65*	
		For >50 To 100, Deduct	*-51.21*	
		For >100, Deduct	*-79.47*	
		For 9' Door Height, Add	*79.93*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	508.34	78.77
		For >25 To 50, Deduct	*-25.85*	
		For >50 To 100, Deduct	*-46.45*	
		For >100, Deduct	*-72.31*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	508.34	78.77
		For >25 To 50, Deduct	*-25.85*	
		For >50 To 100, Deduct	*-46.45*	
		For >100, Deduct	*-72.31*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.69	82.35
		For >25 To 50, Deduct	*-26.91*	
		For >50 To 100, Deduct	*-48.32*	
		For >100, Deduct	*-75.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	533.63	82.35
		For >25 To 50, Deduct	*-27.11*	
		For >50 To 100, Deduct	*-48.75*	
		For >100, Deduct	*-75.93*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	544.43	82.35
		For >25 To 50, Deduct	*-27.54*	
		For >50 To 100, Deduct	*-49.70*	
		For >100, Deduct	*-77.55*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	562.35	85.93
		For >25 To 50, Deduct	*-28.51*	
		For >50 To 100, Deduct	*-51.35*	
		For >100, Deduct	*-80.06*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	619.62	85.93
		For >25 To 50, Deduct	*-30.80*	
		For >50 To 100, Deduct	*-56.37*	
		For >100, Deduct	*-88.65*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	743.01	89.51
		For >25 To 50, Deduct	*-35.99*	
		For >50 To 100, Deduct	*-67.25*	
		For >100, Deduct	*-106.98*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	771.23	89.51
		For >25 To 50, Deduct	*-37.11*	
		For >50 To 100, Deduct	*-69.72*	
		For >100, Deduct	*-111.21*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	827.67	89.51
		For >25 To 50, Deduct	*-39.37*	
		For >50 To 100, Deduct	*-74.66*	
		For >100, Deduct	*-119.68*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.75	78.77
		For >25 To 50, Deduct	*-26.66*	
		For >50 To 100, Deduct	*-48.23*	
		For >100, Deduct	*-75.37*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.76	78.77
		For >25 To 50, Deduct	*-26.66*	
		For >50 To 100, Deduct	*-48.24*	
		For >100, Deduct	*-75.38*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	549.87	82.35
		For >25 To 50, Deduct	*-27.76*	
		For >50 To 100, Deduct	*-50.17*	
		For >100, Deduct	*-78.36*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	555.10	82.35
		For >25 To 50, Deduct	*-27.97*	
		For >50 To 100, Deduct	*-50.63*	
		For >100, Deduct	*-79.15*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	566.52	82.35
		For >25 To 50, Deduct	*-28.43*	
		For >50 To 100, Deduct	*-51.63*	
		For >100, Deduct	*-80.86*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	585.07	85.93
		For >25 To 50, Deduct	*-29.42*	
		For >50 To 100, Deduct	*-53.34*	
		For >100, Deduct	*-83.46*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	645.68	85.93
		For >25 To 50, Deduct	*-31.84*	
		For >50 To 100, Deduct	*-58.65*	
		For >100, Deduct	*-92.56*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	775.84	89.51
		For >25 To 50, Deduct	*-37.30*	
		For >50 To 100, Deduct	*-70.12*	
		For >100, Deduct	*-111.90*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	805.71	89.51
		For >25 To 50, Deduct	*-38.49*	
		For >50 To 100, Deduct	*-72.74*	
		For >100, Deduct	*-116.38*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	865.42	89.51
		For >25 To 50, Deduct	*-40.88*	
		For >50 To 100, Deduct	*-77.96*	
		For >100, Deduct	*-125.34*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	601.12	78.77
		For >25 To 50, Deduct	*-29.56*	
		For >50 To 100, Deduct	*-54.57*	
		For >100, Deduct	*-86.23*	
		For 9' Door Height, Add	*93.15*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	601.16	78.77
		For >25 To 50, Deduct	*-29.56*	
		For >50 To 100, Deduct	*-54.57*	
		For >100, Deduct	*-86.24*	
		For 9' Door Height, Add	*93.16*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	624.99	82.35
		For >25 To 50, Deduct	*-30.76*	
		For >50 To 100, Deduct	*-56.75*	
		For >100, Deduct	*-89.63*	
		For 9' Door Height, Add	*96.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	631.20	82.35
		For >25 To 50, Deduct	*-31.01*	
		For >50 To 100, Deduct	*-57.29*	
		For >100, Deduct	*-90.56*	
		For 9' Door Height, Add	*97.97*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	644.87	82.35
		For >25 To 50, Deduct	*-31.56*	
		For >50 To 100, Deduct	*-58.48*	
		For >100, Deduct	*-92.61*	
		For 9' Door Height, Add	*100.84*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	665.66	85.93
		For >25 To 50, Deduct	*-32.64*	
		For >50 To 100, Deduct	*-60.39*	
		For >100, Deduct	*-95.55*	
		For 9' Door Height, Add	*103.70*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	738.10	85.93
		For >25 To 50, Deduct	*-35.54*	
		For >50 To 100, Deduct	*-66.73*	
		For >100, Deduct	*-106.42*	
		For 9' Door Height, Add	*118.91*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	892.22	89.51
		For >25 To 50, Deduct	*-41.95*	
		For >50 To 100, Deduct	*-80.31*	
		For >100, Deduct	*-129.36*	
		For 9' Door Height, Add	*149.77*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	927.94	89.51
		For >25 To 50, Deduct	*-43.38*	
		For >50 To 100, Deduct	*-83.43*	
		For >100, Deduct	*-134.72*	
		For 9' Door Height, Add	*157.27*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	999.28	89.51
		For >25 To 50, Deduct	*-46.24*	
		For >50 To 100, Deduct	*-89.67*	
		For >100, Deduct	*-145.42*	
		For 9' Door Height, Add	*172.25*	
08 14 16 00-0190		**Maple Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.59	78.77
		For >25 To 50, Deduct	*-22.10*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-58.25*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.59	78.77
		For >25 To 50, Deduct	*-22.10*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-58.25*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.42	82.35
		For >25 To 50, Deduct	*-23.02*	
		For >50 To 100, Deduct	*-39.81*	
		For >100, Deduct	*-60.60*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.19	82.35
		For >25 To 50, Deduct	*-23.17*	
		For >50 To 100, Deduct	*-40.14*	
		For >100, Deduct	*-61.16*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	443.02	82.35
		For >25 To 50, Deduct	*-23.49*	
		For >50 To 100, Deduct	*-40.82*	
		For >100, Deduct	*-62.34*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	457.99	85.93
		For >25 To 50, Deduct	*-24.33*	
		For >50 To 100, Deduct	*-42.22*	
		For >100, Deduct	*-64.40*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	499.97	85.93
		For >25 To 50, Deduct	*-26.01*	
		For >50 To 100, Deduct	*-45.90*	
		For >100, Deduct	*-70.70*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	571.75	89.51
		For >25 To 50, Deduct	*-29.14*	
		For >50 To 100, Deduct	*-52.27*	
		For >100, Deduct	*-81.29*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	612.97	89.51
		For >25 To 50, Deduct	*-30.78*	
		For >50 To 100, Deduct	*-55.87*	
		For >100, Deduct	*-87.47*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	654.33	89.51
		For >25 To 50, Deduct	*-32.44*	
		For >50 To 100, Deduct	*-59.49*	
		For >100, Deduct	*-93.67*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.56	78.77
		For >25 To 50, Deduct	*-22.70*	
		For >50 To 100, Deduct	*-39.56*	
		For >100, Deduct	*-60.50*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.56	78.77
		For >25 To 50, Deduct	*-22.70*	
		For >50 To 100, Deduct	*-39.56*	
		For >100, Deduct	*-60.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.93	82.35
		For >25 To 50, Deduct	*-23.64*	
		For >50 To 100, Deduct	*-41.17*	
		For >100, Deduct	*-62.92*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	450.94	82.35
		For >25 To 50, Deduct	*-23.80*	
		For >50 To 100, Deduct	*-41.52*	
		For >100, Deduct	*-63.52*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	459.21	82.35
		For >25 To 50, Deduct	*-24.13*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-64.76*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	474.63	85.93
		For >25 To 50, Deduct	*-25.00*	
		For >50 To 100, Deduct	*-43.68*	
		For >100, Deduct	*-66.90*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	519.06	85.93
		For >25 To 50, Deduct	*-26.78*	
		For >50 To 100, Deduct	*-47.57*	
		For >100, Deduct	*-73.56*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	594.50	89.51
		For >25 To 50, Deduct	*-30.05*	
		For >50 To 100, Deduct	*-54.26*	
		For >100, Deduct	*-84.70*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	638.25	89.51
		For >25 To 50, Deduct	*-31.80*	
		For >50 To 100, Deduct	*-58.08*	
		For >100, Deduct	*-91.26*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	681.98	89.51
		For >25 To 50, Deduct	*-33.54*	
		For >50 To 100, Deduct	*-61.91*	
		For >100, Deduct	*-97.82*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.61	78.77
		For >25 To 50, Deduct	*-24.82*	
		For >50 To 100, Deduct	*-44.20*	
		For >100, Deduct	*-68.45*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.61	78.77
		For >25 To 50, Deduct	*-24.82*	
		For >50 To 100, Deduct	*-44.20*	
		For >100, Deduct	*-68.45*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	501.96	82.35
		For >25 To 50, Deduct	*-25.84*	
		For >50 To 100, Deduct	*-45.98*	
		For >100, Deduct	*-71.18*	
		For 9' Door Height, Add	*70.82*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	506.76	82.35
		For >25 To 50, Deduct	*-26.03*	
		For >50 To 100, Deduct	*-46.40*	
		For >100, Deduct	*-71.90*	
		For 9' Door Height, Add	*71.83*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	516.61	82.35
		For >25 To 50, Deduct	*-26.43*	
		For >50 To 100, Deduct	*-47.26*	
		For >100, Deduct	*-73.37*	
		For 9' Door Height, Add	*73.90*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	533.68	85.93
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-48.85*	
		For >100, Deduct	*-75.76*	
		For 9' Door Height, Add	*75.98*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	586.75	85.93
		For >25 To 50, Deduct	*-29.49*	
		For >50 To 100, Deduct	*-53.49*	
		For >100, Deduct	*-83.72*	
		For 9' Door Height, Add	*87.13*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	675.54	89.51
		For >25 To 50, Deduct	*-33.29*	
		For >50 To 100, Deduct	*-61.35*	
		For >100, Deduct	*-96.86*	
		For 9' Door Height, Add	*104.27*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	727.81	89.51
		For >25 To 50, Deduct	*-35.38*	
		For >50 To 100, Deduct	*-65.92*	
		For >100, Deduct	*-104.70*	
		For 9' Door Height, Add	*115.25*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	780.09	89.51
		For >25 To 50, Deduct	*-37.47*	
		For >50 To 100, Deduct	*-70.50*	
		For >100, Deduct	*-112.54*	
		For 9' Door Height, Add	*126.22*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	632.77	78.77
		For >25 To 50, Deduct	*-30.82*	
		For >50 To 100, Deduct	*-57.34*	
		For >100, Deduct	*-90.98*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	632.77	78.77
		For >25 To 50, Deduct	*-30.82*	
		For >50 To 100, Deduct	*-57.34*	
		For >100, Deduct	*-90.98*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	643.24	82.35
		For >25 To 50, Deduct	*-31.49*	
		For >50 To 100, Deduct	*-58.34*	
		For >100, Deduct	*-92.37*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	664.32	82.35
		For >25 To 50, Deduct	*-32.34*	
		For >50 To 100, Deduct	*-60.19*	
		For >100, Deduct	*-95.53*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	667.54	82.35
		For >25 To 50, Deduct	*-32.47*	
		For >50 To 100, Deduct	*-60.47*	
		For >100, Deduct	*-96.01*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	677.92	85.93
		For >25 To 50, Deduct	*-33.13*	
		For >50 To 100, Deduct	*-61.47*	
		For >100, Deduct	*-97.39*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	734.40	85.93
		For >25 To 50, Deduct	*-35.39*	
		For >50 To 100, Deduct	*-66.41*	
		For >100, Deduct	*-105.86*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	887.37	89.51
		For >25 To 50, Deduct	*-41.76*	
		For >50 To 100, Deduct	*-79.88*	
		For >100, Deduct	*-128.63*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	922.78	89.51
		For >25 To 50, Deduct	*-43.18*	
		For >50 To 100, Deduct	*-82.98*	
		For >100, Deduct	*-133.94*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	993.68	89.51
		For >25 To 50, Deduct	*-46.01*	
		For >50 To 100, Deduct	*-89.18*	
		For >100, Deduct	*-144.58*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	660.42	78.77
		For >25 To 50, Deduct	*-31.93*	
		For >50 To 100, Deduct	*-59.76*	
		For >100, Deduct	*-95.12*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	660.42	78.77
		For >25 To 50, Deduct	*-31.93*	
		For >50 To 100, Deduct	*-59.76*	
		For >100, Deduct	*-95.12*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	671.11	82.35
		For >25 To 50, Deduct	*-32.61*	
		For >50 To 100, Deduct	*-60.78*	
		For >100, Deduct	*-96.55*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	693.38	82.35
		For >25 To 50, Deduct	*-33.50*	
		For >50 To 100, Deduct	*-62.73*	
		For >100, Deduct	*-99.89*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	696.81	82.35
		For >25 To 50, Deduct	*-33.64*	
		For >50 To 100, Deduct	*-63.03*	
		For >100, Deduct	*-100.40*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	707.37	85.93
		For >25 To 50, Deduct	*-34.31*	
		For >50 To 100, Deduct	*-64.04*	
		For >100, Deduct	*-101.81*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	767.12	85.93
		For >25 To 50, Deduct	*-36.70*	
		For >50 To 100, Deduct	*-69.27*	
		For >100, Deduct	*-110.77*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	928.60	89.51
		For >25 To 50, Deduct	*-43.41*	
		For >50 To 100, Deduct	*-83.49*	
		For >100, Deduct	*-134.81*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	966.08	89.51
		For >25 To 50, Deduct	*-44.91*	
		For >50 To 100, Deduct	*-86.77*	
		For >100, Deduct	*-140.44*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,041.08	89.51
		For >25 To 50, Deduct	*-47.91*	
		For >50 To 100, Deduct	*-93.33*	
		For >100, Deduct	*-151.69*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	758.48	78.77
		For >25 To 50, Deduct	*-35.85*	
		For >50 To 100, Deduct	*-68.34*	
		For >100, Deduct	*-109.83*	
		For 9' Door Height, Add	*126.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	758.48	78.77
		For >25 To 50, Deduct	*-35.85*	
		For >50 To 100, Deduct	*-68.34*	
		For >100, Deduct	*-109.83*	
		For 9' Door Height, Add	*126.20*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	769.88	82.35
		For >25 To 50, Deduct	*-36.56*	
		For >50 To 100, Deduct	*-69.42*	
		For >100, Deduct	*-111.36*	
		For 9' Door Height, Add	*127.09*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	796.46	82.35
		For >25 To 50, Deduct	*-37.62*	
		For >50 To 100, Deduct	*-71.75*	
		For >100, Deduct	*-115.35*	
		For 9' Door Height, Add	*132.67*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	800.57	82.35
		For >25 To 50, Deduct	*-37.79*	
		For >50 To 100, Deduct	*-72.11*	
		For >100, Deduct	*-115.97*	
		For 9' Door Height, Add	*133.53*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	811.78	85.93
		For >25 To 50, Deduct	*-38.49*	
		For >50 To 100, Deduct	*-73.18*	
		For >100, Deduct	*-117.47*	
		For 9' Door Height, Add	*134.38*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	883.21	85.93
		For >25 To 50, Deduct	*-41.34*	
		For >50 To 100, Deduct	*-79.43*	
		For >100, Deduct	*-128.19*	
		For 9' Door Height, Add	*149.38*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,074.77	89.51
		For >25 To 50, Deduct	*-49.26*	
		For >50 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-156.74*	
		For 9' Door Height, Add	*188.11*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,119.57	89.51
		For >25 To 50, Deduct	*-51.05*	
		For >50 To 100, Deduct	*-100.20*	
		For >100, Deduct	*-163.46*	
		For 9' Door Height, Add	*197.52*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,209.16	89.51
		For >25 To 50, Deduct	*-54.63*	
		For >50 To 100, Deduct	*-108.04*	
		For >100, Deduct	*-176.90*	
		For 9' Door Height, Add	*216.33*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.50	78.77
		For >25 To 50, Deduct	*-16.57*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-37.54*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.50	78.77
		For >25 To 50, Deduct	*-16.57*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-37.54*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.84	82.35
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-27.59*	
		For >100, Deduct	*-39.66*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.49	82.35
		For >25 To 50, Deduct	*-17.70*	
		For >50 To 100, Deduct	*-28.18*	
		For >100, Deduct	*-40.66*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	299.81	82.35
		For >25 To 50, Deduct	*-17.76*	
		For >50 To 100, Deduct	*-28.29*	
		For >100, Deduct	*-40.85*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	308.29	85.93
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-41.95*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	323.28	85.93
		For >25 To 50, Deduct	*-18.95*	
		For >50 To 100, Deduct	*-30.44*	
		For >100, Deduct	*-44.20*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	349.78	89.51
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-47.99*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	358.29	89.51
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-49.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	375.38	89.51
		For >25 To 50, Deduct	*-21.28*	
		For >50 To 100, Deduct	*-35.08*	
		For >100, Deduct	*-51.83*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	283.41	78.77
		For >25 To 50, Deduct	*-16.85*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-38.57*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	283.41	78.77
		For >25 To 50, Deduct	*-16.85*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-38.57*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	299.24	82.35
		For >25 To 50, Deduct	*-17.73*	
		For >50 To 100, Deduct	*-28.24*	
		For >100, Deduct	*-40.77*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	306.28	82.35
		For >25 To 50, Deduct	*-18.02*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-41.82*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.68	82.35
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-28.98*	
		For >100, Deduct	*-42.03*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	316.22	85.93
		For >25 To 50, Deduct	*-18.66*	
		For >50 To 100, Deduct	*-29.82*	
		For >100, Deduct	*-43.14*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	332.10	85.93
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-31.21*	
		For >100, Deduct	*-45.52*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	359.70	89.51
		For >25 To 50, Deduct	*-20.65*	
		For >50 To 100, Deduct	*-33.71*	
		For >100, Deduct	*-49.48*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	368.73	89.51
		For >25 To 50, Deduct	*-21.01*	
		For >50 To 100, Deduct	*-34.50*	
		For >100, Deduct	*-50.83*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	386.80	89.51
		For >25 To 50, Deduct	*-21.74*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-53.54*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.95	78.77
		For >25 To 50, Deduct	*-17.83*	
		For >50 To 100, Deduct	*-28.91*	
		For >100, Deduct	*-42.25*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.95	78.77
		For >25 To 50, Deduct	*-17.83*	
		For >50 To 100, Deduct	*-28.91*	
		For >100, Deduct	*-42.25*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	325.46	82.35
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.54*	
		For >100, Deduct	*-44.70*	
		For 9' Door Height, Add	*33.76*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	333.88	82.35
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-31.27*	
		For >100, Deduct	*-45.96*	
		For 9' Door Height, Add	*35.53*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	335.56	82.35
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-31.42*	
		For >100, Deduct	*-46.22*	
		For 9' Door Height, Add	*35.88*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	344.38	85.93
		For >25 To 50, Deduct	*-19.79*	
		For >50 To 100, Deduct	*-32.28*	
		For >100, Deduct	*-47.36*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	363.35	85.93
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-33.94*	
		For >100, Deduct	*-50.21*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	394.93	89.51
		For >25 To 50, Deduct	*-22.06*	
		For >50 To 100, Deduct	*-36.79*	
		For >100, Deduct	*-54.76*	
		For 9' Door Height, Add	*45.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	405.72	89.51
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-37.74*	
		For >100, Deduct	*-56.38*	
		For 9' Door Height, Add	*47.61*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	427.31	89.51
		For >25 To 50, Deduct	*-23.36*	
		For >50 To 100, Deduct	*-39.63*	
		For >100, Deduct	*-59.62*	
		For 9' Door Height, Add	*52.14*	

08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.88	78.77
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.73*	
		For >100, Deduct	*-41.94*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.91	78.77
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.74*	
		For >100, Deduct	*-41.95*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	317.18	82.35
		For >25 To 50, Deduct	*-18.45*	
		For >50 To 100, Deduct	*-29.81*	
		For >100, Deduct	*-43.46*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.45	82.35
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.54*	
		For >100, Deduct	*-44.70*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	329.58	82.35
		For >25 To 50, Deduct	*-18.95*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-45.32*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	340.81	85.93
		For >25 To 50, Deduct	*-19.65*	
		For >50 To 100, Deduct	*-31.97*	
		For >100, Deduct	*-46.83*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	350.23	85.93
		For >25 To 50, Deduct	*-20.02*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-48.24*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	388.04	89.51
		For >25 To 50, Deduct	*-21.79*	
		For >50 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-53.73*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	398.49	89.51
		For >25 To 50, Deduct	*-22.21*	
		For >50 To 100, Deduct	*-37.11*	
		For >100, Deduct	*-55.30*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	419.42	89.51
		For >25 To 50, Deduct	*-23.04*	
		For >50 To 100, Deduct	*-38.94*	
		For >100, Deduct	*-58.44*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.53	78.77
		For >25 To 50, Deduct	*-18.10*	
		For >50 To 100, Deduct	*-29.49*	
		For >100, Deduct	*-43.24*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.54	78.77
		For >25 To 50, Deduct	*-18.10*	
		For >50 To 100, Deduct	*-29.49*	
		For >100, Deduct	*-43.24*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	326.04	82.35
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.59*	
		For >100, Deduct	*-44.79*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	334.79	82.35
		For >25 To 50, Deduct	*-19.16*	
		For >50 To 100, Deduct	*-31.35*	
		For >100, Deduct	*-46.10*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	339.16	82.35
		For >25 To 50, Deduct	*-19.33*	
		For >50 To 100, Deduct	*-31.74*	
		For >100, Deduct	*-46.76*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	350.66	85.93
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-32.83*	
		For >100, Deduct	*-48.30*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	360.63	85.93
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-33.70*	
		For >100, Deduct	*-49.80*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	400.22	89.51
		For >25 To 50, Deduct	*-22.27*	
		For >50 To 100, Deduct	*-37.26*	
		For >100, Deduct	*-55.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	411.28	89.51
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-57.22*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	433.39	89.51
		For >25 To 50, Deduct	*-23.60*	
		For >50 To 100, Deduct	*-40.16*	
		For >100, Deduct	*-60.53*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	345.15	78.77
		For >25 To 50, Deduct	*-19.32*	
		For >50 To 100, Deduct	*-32.17*	
		For >100, Deduct	*-47.83*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	345.15	78.77
		For >25 To 50, Deduct	*-19.32*	
		For >50 To 100, Deduct	*-32.17*	
		For >100, Deduct	*-47.83*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	357.50	82.35
		For >25 To 50, Deduct	*-20.06*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.51*	
		For 9' Door Height, Add	*40.49*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	367.95	82.35
		For >25 To 50, Deduct	*-20.48*	
		For >50 To 100, Deduct	*-34.25*	
		For >100, Deduct	*-51.08*	
		For 9' Door Height, Add	*42.68*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	373.17	82.35
		For >25 To 50, Deduct	*-20.69*	
		For >50 To 100, Deduct	*-34.71*	
		For >100, Deduct	*-51.86*	
		For 9' Door Height, Add	*43.78*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	385.53	85.93
		For >25 To 50, Deduct	*-21.44*	
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-53.53*	
		For 9' Door Height, Add	*44.87*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	397.45	85.93
		For >25 To 50, Deduct	*-21.91*	
		For >50 To 100, Deduct	*-36.93*	
		For >100, Deduct	*-55.32*	
		For 9' Door Height, Add	*47.37*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	443.36	89.51
		For >25 To 50, Deduct	*-24.00*	
		For >50 To 100, Deduct	*-41.03*	
		For >100, Deduct	*-62.03*	
		For 9' Door Height, Add	*55.51*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	456.57	89.51
		For >25 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-42.19*	
		For >100, Deduct	*-64.01*	
		For 9' Door Height, Add	*58.29*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	483.01	89.51
		For >25 To 50, Deduct	*-25.59*	
		For >50 To 100, Deduct	*-44.50*	
		For >100, Deduct	*-67.98*	
		For 9' Door Height, Add	*63.84*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	329.66	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.09*	
		For Structural Composite Lumber Core (SCLC), Add	*77.45*	
		For >25 To 50, Deduct	*-18.70*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.51*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	329.69	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.11*	
		For Structural Composite Lumber Core (SCLC), Add	*77.47*	
		For >25 To 50, Deduct	*-18.70*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-45.52*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	345.87	82.35
		For 7 Ply Cold Press Construction, Deduct	*-3.62*	
		For Stave Lumber Core (SLC), Add	*135.88*	
		For Structural Composite Lumber Core (SCLC), Add	*81.53*	
		For >25 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-32.32*	
		For >100, Deduct	*-47.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	354.90	82.35
		For 7 Ply Cold Press Construction, Deduct	*-3.80*	
		For Stave Lumber Core (SLC), Add	*142.65*	
		For Structural Composite Lumber Core (SCLC), Add	*85.59*	
		For >25 To 50, Deduct	*-19.96*	
		For >50 To 100, Deduct	*-33.11*	
		For >100, Deduct	*-49.12*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.41	82.35
		For 7 Ply Cold Press Construction, Deduct	*-3.91*	
		For Stave Lumber Core (SLC), Add	*146.78*	
		For Structural Composite Lumber Core (SCLC), Add	*88.07*	
		For >25 To 50, Deduct	*-20.18*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-49.94*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	373.10	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.02*	
		For Stave Lumber Core (SLC), Add	*150.93*	
		For Structural Composite Lumber Core (SCLC), Add	*90.56*	
		For >25 To 50, Deduct	*-20.94*	
		For >50 To 100, Deduct	*-34.79*	
		For >100, Deduct	*-51.67*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	395.18	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.49*	
		For Structural Composite Lumber Core (SCLC), Add	*100.49*	
		For >25 To 50, Deduct	*-21.82*	
		For >50 To 100, Deduct	*-36.73*	
		For >100, Deduct	*-54.98*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	416.62	89.51
		For 7 Ply Cold Press Construction, Deduct	*-4.75*	
		For Stave Lumber Core (SLC), Add	*178.20*	
		For Structural Composite Lumber Core (SCLC), Add	*106.92*	
		For >25 To 50, Deduct	*-22.93*	
		For >50 To 100, Deduct	*-38.69*	
		For >100, Deduct	*-58.02*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.68	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.96*	
		For >25 To 50, Deduct	*-19.10*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-47.01*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.69	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.97*	
		For >25 To 50, Deduct	*-19.10*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-47.02*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.42	82.35
		For 7 Ply Cold Press Construction, Deduct	*-3.83*	
		For Stave Lumber Core (SLC), Add	*143.79*	
		For Structural Composite Lumber Core (SCLC), Add	*86.27*	
		For >25 To 50, Deduct	*-20.02*	
		For >50 To 100, Deduct	*-33.25*	
		For >100, Deduct	*-49.35*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	365.98	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.03*	
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For >25 To 50, Deduct	*-20.40*	
		For >50 To 100, Deduct	*-34.08*	
		For >100, Deduct	*-50.78*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	371.81	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.33*	
		For Structural Composite Lumber Core (SCLC), Add	*93.20*	
		For >25 To 50, Deduct	*-20.64*	
		For >50 To 100, Deduct	*-34.59*	
		For >100, Deduct	*-51.65*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	384.81	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.26*	
		For Stave Lumber Core (SLC), Add	*159.71*	
		For Structural Composite Lumber Core (SCLC), Add	*95.83*	
		For >25 To 50, Deduct	*-21.41*	
		For >50 To 100, Deduct	*-35.82*	
		For >100, Deduct	*-53.43*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	408.18	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.73*	
		For Stave Lumber Core (SLC), Add	*177.24*	
		For Structural Composite Lumber Core (SCLC), Add	*106.34*	
		For >25 To 50, Deduct	*-22.34*	
		For >50 To 100, Deduct	*-37.86*	
		For >100, Deduct	*-56.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	430.44	89.51
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.57*	
		For Structural Composite Lumber Core (SCLC), Add	*113.14*	
		For >25 To 50, Deduct	*-23.48*	
		For >50 To 100, Deduct	*-39.90*	
		For >100, Deduct	*-60.09*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.21	78.77
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-34.80*	
		For >100, Deduct	*-52.34*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.21	78.77
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-34.80*	
		For >100, Deduct	*-52.34*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	393.80	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.58*	
		For Stave Lumber Core (SLC), Add	*171.83*	
		For Structural Composite Lumber Core (SCLC), Add	*103.10*	
		For >25 To 50, Deduct	*-21.52*	
		For >50 To 100, Deduct	*-36.52*	
		For >100, Deduct	*-54.95*	
		For 9' Door Height, Add	*48.11*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.23	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.81*	
		For Stave Lumber Core (SLC), Add	*180.40*	
		For Structural Composite Lumber Core (SCLC), Add	*108.24*	
		For >25 To 50, Deduct	*-21.97*	
		For >50 To 100, Deduct	*-37.52*	
		For >100, Deduct	*-56.67*	
		For 9' Door Height, Add	*50.51*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	412.19	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.95*	
		For Stave Lumber Core (SLC), Add	*185.62*	
		For Structural Composite Lumber Core (SCLC), Add	*111.37*	
		For >25 To 50, Deduct	*-22.25*	
		For >50 To 100, Deduct	*-38.13*	
		For >100, Deduct	*-57.71*	
		For 9' Door Height, Add	*51.97*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	426.34	85.93
		For 7 Ply Cold Press Construction, Deduct	*-5.09*	
		For Stave Lumber Core (SLC), Add	*190.86*	
		For Structural Composite Lumber Core (SCLC), Add	*114.52*	
		For >25 To 50, Deduct	*-23.07*	
		For >50 To 100, Deduct	*-39.45*	
		For >100, Deduct	*-59.65*	
		For 9' Door Height, Add	*53.44*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	454.25	85.93
		For 7 Ply Cold Press Construction, Deduct	*-5.65*	
		For Stave Lumber Core (SLC), Add	*211.79*	
		For Structural Composite Lumber Core (SCLC), Add	*127.08*	
		For >25 To 50, Deduct	*-24.19*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-63.84*	
		For 9' Door Height, Add	*59.30*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	479.47	89.51
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.34*	
		For Structural Composite Lumber Core (SCLC), Add	*135.20*	
		For >25 To 50, Deduct	*-25.44*	
		For >50 To 100, Deduct	*-44.19*	
		For >100, Deduct	*-67.45*	
		For 9' Door Height, Add	*63.09*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	459.28	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-23.89*	
		For >50 To 100, Deduct	*-42.16*	
		For >100, Deduct	*-64.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	459.28	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-23.89*	
		For >50 To 100, Deduct	*-42.16*	
		For >100, Deduct	*-64.95*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.32	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.22*	
		For Structural Composite Lumber Core (SCLC), Add	*142.93*	
		For >25 To 50, Deduct	*-25.06*	
		For >50 To 100, Deduct	*-44.26*	
		For >100, Deduct	*-68.23*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	498.17	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.67*	
		For Stave Lumber Core (SLC), Add	*250.10*	
		For Structural Composite Lumber Core (SCLC), Add	*150.06*	
		For >25 To 50, Deduct	*-25.69*	
		For >50 To 100, Deduct	*-45.65*	
		For >100, Deduct	*-70.61*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.81	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.33*	
		For Structural Composite Lumber Core (SCLC), Add	*154.40*	
		For >25 To 50, Deduct	*-26.08*	
		For >50 To 100, Deduct	*-46.49*	
		For >100, Deduct	*-72.05*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	524.66	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.60*	
		For Structural Composite Lumber Core (SCLC), Add	*158.76*	
		For >25 To 50, Deduct	*-27.00*	
		For >50 To 100, Deduct	*-48.06*	
		For >100, Deduct	*-74.40*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	563.37	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.83*	
		For Stave Lumber Core (SLC), Add	*293.63*	
		For Structural Composite Lumber Core (SCLC), Add	*176.18*	
		For >25 To 50, Deduct	*-28.55*	
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-80.21*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	595.54	89.51
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.39*	
		For Structural Composite Lumber Core (SCLC), Add	*187.43*	
		For >25 To 50, Deduct	*-30.09*	
		For >50 To 100, Deduct	*-54.35*	
		For >100, Deduct	*-84.86*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.83	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-43.69*	
		For >100, Deduct	*-67.59*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.83	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-43.69*	
		For >100, Deduct	*-67.59*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.83	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.72*	
		For Stave Lumber Core (SLC), Add	*252.10*	
		For Structural Composite Lumber Core (SCLC), Add	*151.26*	
		For >25 To 50, Deduct	*-25.80*	
		For >50 To 100, Deduct	*-45.88*	
		For >100, Deduct	*-71.01*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	517.58	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.66*	
		For Structural Composite Lumber Core (SCLC), Add	*158.80*	
		For >25 To 50, Deduct	*-26.47*	
		For >50 To 100, Deduct	*-47.35*	
		For >100, Deduct	*-73.52*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.78	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.31*	
		For Structural Composite Lumber Core (SCLC), Add	*163.39*	
		For >25 To 50, Deduct	*-26.88*	
		For >50 To 100, Deduct	*-48.24*	
		For >100, Deduct	*-75.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	545.19	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.47*	
		For Stave Lumber Core (SLC), Add	*280.00*	
		For Structural Composite Lumber Core (SCLC), Add	*168.00*	
		For >25 To 50, Deduct	*-27.82*	
		For >50 To 100, Deduct	*-49.85*	
		For >100, Deduct	*-77.48*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	586.16	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.29*	
		For Stave Lumber Core (SLC), Add	*310.73*	
		For Structural Composite Lumber Core (SCLC), Add	*186.44*	
		For >25 To 50, Deduct	*-29.46*	
		For >50 To 100, Deduct	*-53.44*	
		For >100, Deduct	*-83.63*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	619.80	89.51
		For 7 Ply Cold Press Construction, Deduct	*-8.82*	
		For Stave Lumber Core (SLC), Add	*330.59*	
		For Structural Composite Lumber Core (SCLC), Add	*198.35*	
		For >25 To 50, Deduct	*-31.06*	
		For >50 To 100, Deduct	*-56.47*	
		For >100, Deduct	*-88.49*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	539.09	78.77
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-27.08*	
		For >50 To 100, Deduct	*-49.14*	
		For >100, Deduct	*-76.93*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	539.09	78.77
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-27.08*	
		For >50 To 100, Deduct	*-49.14*	
		For >100, Deduct	*-76.93*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	566.38	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.03*	
		For Stave Lumber Core (SLC), Add	*301.26*	
		For Structural Composite Lumber Core (SCLC), Add	*180.76*	
		For >25 To 50, Deduct	*-28.42*	
		For >50 To 100, Deduct	*-51.62*	
		For >100, Deduct	*-80.84*	
		For 9' Door Height, Add	*84.35*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	586.39	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.27*	
		For Structural Composite Lumber Core (SCLC), Add	*189.76*	
		For >25 To 50, Deduct	*-29.22*	
		For >50 To 100, Deduct	*-53.37*	
		For >100, Deduct	*-83.84*	
		For 9' Door Height, Add	*88.55*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	598.57	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.40*	
		For Structural Composite Lumber Core (SCLC), Add	*195.24*	
		For >25 To 50, Deduct	*-29.71*	
		For >50 To 100, Deduct	*-54.43*	
		For >100, Deduct	*-85.67*	
		For 9' Door Height, Add	*91.11*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	618.00	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.92*	
		For Stave Lumber Core (SLC), Add	*334.61*	
		For Structural Composite Lumber Core (SCLC), Add	*200.76*	
		For >25 To 50, Deduct	*-30.74*	
		For >50 To 100, Deduct	*-56.22*	
		For >100, Deduct	*-88.40*	
		For 9' Door Height, Add	*93.69*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	666.96	85.93
		For 7 Ply Cold Press Construction, Deduct	*-9.90*	
		For Stave Lumber Core (SLC), Add	*371.33*	
		For Structural Composite Lumber Core (SCLC), Add	*222.80*	
		For >25 To 50, Deduct	*-32.69*	
		For >50 To 100, Deduct	*-60.51*	
		For >100, Deduct	*-95.75*	
		For 9' Door Height, Add	*103.97*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	705.76	89.51
		For 7 Ply Cold Press Construction, Deduct	*-10.53*	
		For Stave Lumber Core (SLC), Add	*395.06*	
		For Structural Composite Lumber Core (SCLC), Add	*237.03*	
		For >25 To 50, Deduct	*-34.50*	
		For >50 To 100, Deduct	*-63.99*	
		For >100, Deduct	*-101.39*	
		For 9' Door Height, Add	*110.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0365		**Maple Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.41	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-22.01*	
		For >50 To 100, Deduct	*-38.06*	
		For >100, Deduct	*-57.92*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.41	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-22.01*	
		For >50 To 100, Deduct	*-38.06*	
		For >100, Deduct	*-57.92*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	432.98	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.21*	
		For Structural Composite Lumber Core (SCLC), Add	*120.73*	
		For >25 To 50, Deduct	*-23.08*	
		For >50 To 100, Deduct	*-39.94*	
		For >100, Deduct	*-60.83*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	446.37	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.63*	
		For Stave Lumber Core (SLC), Add	*211.25*	
		For Structural Composite Lumber Core (SCLC), Add	*126.75*	
		For >25 To 50, Deduct	*-23.62*	
		For >50 To 100, Deduct	*-41.12*	
		For >100, Deduct	*-62.84*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	454.50	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.80*	
		For Stave Lumber Core (SLC), Add	*217.35*	
		For Structural Composite Lumber Core (SCLC), Add	*130.41*	
		For >25 To 50, Deduct	*-23.94*	
		For >50 To 100, Deduct	*-41.83*	
		For >100, Deduct	*-64.06*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	469.85	85.93
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.49*	
		For Structural Composite Lumber Core (SCLC), Add	*134.10*	
		For >25 To 50, Deduct	*-24.81*	
		For >50 To 100, Deduct	*-43.26*	
		For >100, Deduct	*-66.18*	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	502.54	85.93
		For 7 Ply Cold Press Construction, Deduct	*-6.61*	
		For Stave Lumber Core (SLC), Add	*248.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.81*	
		For >25 To 50, Deduct	*-26.12*	
		For >50 To 100, Deduct	*-46.12*	
		For >100, Deduct	*-71.08*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.83	89.51
		For 7 Ply Cold Press Construction, Deduct	*-7.04*	
		For Stave Lumber Core (SLC), Add	*263.86*	
		For Structural Composite Lumber Core (SCLC), Add	*158.31*	
		For >25 To 50, Deduct	*-27.50*	
		For >50 To 100, Deduct	*-48.69*	
		For >100, Deduct	*-75.15*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	427.22	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-22.60*	
		For >50 To 100, Deduct	*-39.35*	
		For >100, Deduct	*-60.14*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	427.22	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-22.60*	
		For >50 To 100, Deduct	*-39.35*	
		For >100, Deduct	*-60.14*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	448.60	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.68*	
		For Stave Lumber Core (SLC), Add	*212.93*	
		For Structural Composite Lumber Core (SCLC), Add	*127.76*	
		For >25 To 50, Deduct	*-23.71*	
		For >50 To 100, Deduct	*-41.31*	
		For >100, Deduct	*-63.17*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	462.77	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.55*	
		For Structural Composite Lumber Core (SCLC), Add	*134.13*	
		For >25 To 50, Deduct	*-24.28*	
		For >50 To 100, Deduct	*-42.55*	
		For >100, Deduct	*-65.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	471.38	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.13*	
		For Stave Lumber Core (SLC), Add	*230.01*	
		For Structural Composite Lumber Core (SCLC), Add	*138.01*	
		For >25 To 50, Deduct	*-24.62*	
		For >50 To 100, Deduct	*-43.30*	
		For >100, Deduct	*-66.59*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.20	85.93
		For 7 Ply Cold Press Construction, Deduct	*-6.31*	
		For Stave Lumber Core (SLC), Add	*236.51*	
		For Structural Composite Lumber Core (SCLC), Add	*141.90*	
		For >25 To 50, Deduct	*-25.50*	
		For >50 To 100, Deduct	*-44.78*	
		For >100, Deduct	*-68.78*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	521.80	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.00*	
		For Stave Lumber Core (SLC), Add	*262.46*	
		For Structural Composite Lumber Core (SCLC), Add	*157.47*	
		For >25 To 50, Deduct	*-26.89*	
		For >50 To 100, Deduct	*-47.81*	
		For >100, Deduct	*-73.97*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	551.32	89.51
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.23*	
		For Structural Composite Lumber Core (SCLC), Add	*167.54*	
		For >25 To 50, Deduct	*-28.32*	
		For >50 To 100, Deduct	*-50.48*	
		For >100, Deduct	*-78.22*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	479.81	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-24.71*	
		For >50 To 100, Deduct	*-43.95*	
		For >100, Deduct	*-68.03*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	479.81	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-24.71*	
		For >50 To 100, Deduct	*-43.95*	
		For >100, Deduct	*-68.03*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	503.96	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.45*	
		For Structural Composite Lumber Core (SCLC), Add	*152.67*	
		For >25 To 50, Deduct	*-25.92*	
		For >50 To 100, Deduct	*-46.16*	
		For >100, Deduct	*-71.48*	
		For 9' Door Height, Add	*71.24*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	520.87	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*267.13*	
		For Structural Composite Lumber Core (SCLC), Add	*160.28*	
		For >25 To 50, Deduct	*-26.60*	
		For >50 To 100, Deduct	*-47.63*	
		For >100, Deduct	*-74.01*	
		For 9' Door Height, Add	*74.80*	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	531.18	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.86*	
		For Structural Composite Lumber Core (SCLC), Add	*164.92*	
		For >25 To 50, Deduct	*-27.01*	
		For >50 To 100, Deduct	*-48.54*	
		For >100, Deduct	*-75.56*	
		For 9' Door Height, Add	*76.96*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	548.68	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.54*	
		For Stave Lumber Core (SLC), Add	*282.62*	
		For Structural Composite Lumber Core (SCLC), Add	*169.57*	
		For >25 To 50, Deduct	*-27.96*	
		For >50 To 100, Deduct	*-50.16*	
		For >100, Deduct	*-78.01*	
		For 9' Door Height, Add	*79.13*	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	590.04	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.36*	
		For Stave Lumber Core (SLC), Add	*313.64*	
		For Structural Composite Lumber Core (SCLC), Add	*188.18*	
		For >25 To 50, Deduct	*-29.62*	
		For >50 To 100, Deduct	*-53.78*	
		For >100, Deduct	*-84.21*	
		For 9' Door Height, Add	*87.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	623.92	89.51
		For 7 Ply Cold Press Construction, Deduct	*-8.90*	
		For Stave Lumber Core (SLC), Add	*333.68*	
		For Structural Composite Lumber Core (SCLC), Add	*200.21*	
		For >25 To 50, Deduct	*-31.22*	
		For >50 To 100, Deduct	*-56.83*	
		For >100, Deduct	*-89.11*	
		For 9' Door Height, Add	*93.43*	
08 14 16 00-0390		**Lauan Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.60	78.77
		For >25 To 50, Deduct	*-16.50*	
		For >50 To 100, Deduct	*-26.00*	
		For >100, Deduct	*-37.25*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.60	78.77
		For >25 To 50, Deduct	*-16.50*	
		For >50 To 100, Deduct	*-26.00*	
		For >100, Deduct	*-37.25*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	288.17	82.35
		For >25 To 50, Deduct	*-17.29*	
		For >50 To 100, Deduct	*-27.27*	
		For >100, Deduct	*-39.11*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	294.62	82.35
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-27.84*	
		For >100, Deduct	*-40.08*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	297.86	82.35
		For >25 To 50, Deduct	*-17.68*	
		For >50 To 100, Deduct	*-28.12*	
		For >100, Deduct	*-40.56*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	308.29	85.93
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-41.95*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.27	85.93
		For >25 To 50, Deduct	*-18.95*	
		For >50 To 100, Deduct	*-30.43*	
		For >100, Deduct	*-44.19*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	342.30	89.51
		For >25 To 50, Deduct	*-19.96*	
		For >50 To 100, Deduct	*-32.19*	
		For >100, Deduct	*-46.87*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	281.41	78.77
		For >25 To 50, Deduct	*-16.77*	
		For >50 To 100, Deduct	*-26.59*	
		For >100, Deduct	*-38.27*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	281.41	78.77
		For >25 To 50, Deduct	*-16.77*	
		For >50 To 100, Deduct	*-26.59*	
		For >100, Deduct	*-38.27*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	295.36	82.35
		For >25 To 50, Deduct	*-17.58*	
		For >50 To 100, Deduct	*-27.90*	
		For >100, Deduct	*-40.19*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.19	82.35
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-28.50*	
		For >100, Deduct	*-41.21*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.62	82.35
		For >25 To 50, Deduct	*-17.99*	
		For >50 To 100, Deduct	*-28.80*	
		For >100, Deduct	*-41.73*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.22	85.93
		For >25 To 50, Deduct	*-18.66*	
		For >50 To 100, Deduct	*-29.82*	
		For >100, Deduct	*-43.14*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	332.10	85.93
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-31.21*	
		For >100, Deduct	*-45.52*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.79	89.51
		For >25 To 50, Deduct	*-20.34*	
		For >50 To 100, Deduct	*-33.02*	
		For >100, Deduct	*-48.29*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.58	78.77
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-41.90*	
		For 9' Door Height, Add	*31.09*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.58	78.77
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-41.90*	
		For 9' Door Height, Add	*31.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	320.83	82.35
		For >25 To 50, Deduct	*-18.60*	
		For >50 To 100, Deduct	*-30.13*	
		For >100, Deduct	*-44.01*	
		For 9' Door Height, Add	*32.79*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	329.00	82.35
		For >25 To 50, Deduct	*-18.92*	
		For >50 To 100, Deduct	*-30.85*	
		For >100, Deduct	*-45.23*	
		For 9' Door Height, Add	*34.50*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.11	82.35
		For >25 To 50, Deduct	*-19.09*	
		For >50 To 100, Deduct	*-31.21*	
		For >100, Deduct	*-45.85*	
		For 9' Door Height, Add	*35.37*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	344.38	85.93
		For >25 To 50, Deduct	*-19.79*	
		For >50 To 100, Deduct	*-32.28*	
		For >100, Deduct	*-47.36*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	363.34	85.93
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-33.94*	
		For >100, Deduct	*-50.20*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	385.48	89.51
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-53.35*	
		For 9' Door Height, Add	*43.36*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.58	78.77
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-16.22*	
		For >50 To 100, Deduct	*-25.38*	
		For >100, Deduct	*-36.20*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.58	78.77
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-16.22*	
		For >50 To 100, Deduct	*-25.38*	
		For >100, Deduct	*-36.20*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.13	82.35
		For Stave Lumber Core (SLC), Add	*87.32*	
		For Structural Composite Lumber Core (SCLC), Add	*52.39*	
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-26.66*	
		For >100, Deduct	*-38.05*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	287.51	82.35
		For Stave Lumber Core (SLC), Add	*92.11*	
		For Structural Composite Lumber Core (SCLC), Add	*55.26*	
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-27.22*	
		For >100, Deduct	*-39.01*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	288.67	82.35
		For Stave Lumber Core (SLC), Add	*92.98*	
		For Structural Composite Lumber Core (SCLC), Add	*55.79*	
		For >25 To 50, Deduct	*-17.31*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-39.18*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	297.02	85.93
		For Stave Lumber Core (SLC), Add	*93.87*	
		For Structural Composite Lumber Core (SCLC), Add	*56.32*	
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.26*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	310.83	85.93
		For Stave Lumber Core (SLC), Add	*104.23*	
		For Structural Composite Lumber Core (SCLC), Add	*62.54*	
		For >25 To 50, Deduct	*-18.45*	
		For >50 To 100, Deduct	*-29.35*	
		For >100, Deduct	*-42.33*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	343.16	89.51
		For Stave Lumber Core (SLC), Add	*123.11*	
		For Structural Composite Lumber Core (SCLC), Add	*73.86*	
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-32.26*	
		For >100, Deduct	*-47.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.98	78.77
		For Stave Lumber Core (SLC), Add	*87.33*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-37.16*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.99	78.77
		For Stave Lumber Core (SLC), Add	*87.34*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-37.16*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	287.91	82.35
		For Stave Lumber Core (SLC), Add	*92.41*	
		For Structural Composite Lumber Core (SCLC), Add	*55.44*	
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-27.25*	
		For >100, Deduct	*-39.07*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	294.65	82.35
		For Stave Lumber Core (SLC), Add	*97.46*	
		For Structural Composite Lumber Core (SCLC), Add	*58.48*	
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-27.84*	
		For >100, Deduct	*-40.08*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.90	82.35
		For Stave Lumber Core (SLC), Add	*98.40*	
		For Structural Composite Lumber Core (SCLC), Add	*59.04*	
		For >25 To 50, Deduct	*-17.60*	
		For >50 To 100, Deduct	*-27.95*	
		For >100, Deduct	*-40.27*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	304.31	85.93
		For Stave Lumber Core (SLC), Add	*99.34*	
		For Structural Composite Lumber Core (SCLC), Add	*59.60*	
		For >25 To 50, Deduct	*-18.19*	
		For >50 To 100, Deduct	*-28.78*	
		For >100, Deduct	*-41.35*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	318.92	85.93
		For Stave Lumber Core (SLC), Add	*110.30*	
		For Structural Composite Lumber Core (SCLC), Add	*66.18*	
		For >25 To 50, Deduct	*-18.77*	
		For >50 To 100, Deduct	*-30.05*	
		For >100, Deduct	*-43.54*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	352.73	89.51
		For Stave Lumber Core (SLC), Add	*130.28*	
		For Structural Composite Lumber Core (SCLC), Add	*78.17*	
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-33.10*	
		For >100, Deduct	*-48.43*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.68	78.77
		For Stave Lumber Core (SLC), Add	*104.36*	
		For Structural Composite Lumber Core (SCLC), Add	*62.61*	
		For >25 To 50, Deduct	*-17.38*	
		For >50 To 100, Deduct	*-27.93*	
		For >100, Deduct	*-40.56*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.70	78.77
		For Stave Lumber Core (SLC), Add	*104.37*	
		For Structural Composite Lumber Core (SCLC), Add	*62.62*	
		For >25 To 50, Deduct	*-17.38*	
		For >50 To 100, Deduct	*-27.93*	
		For >100, Deduct	*-40.57*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	311.94	82.35
		For Stave Lumber Core (SLC), Add	*110.43*	
		For Structural Composite Lumber Core (SCLC), Add	*66.26*	
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-29.35*	
		For >100, Deduct	*-42.67*	
		For 9' Door Height, Add	*30.92*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.99	82.35
		For Stave Lumber Core (SLC), Add	*116.47*	
		For Structural Composite Lumber Core (SCLC), Add	*69.88*	
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-30.06*	
		For >100, Deduct	*-43.88*	
		For 9' Door Height, Add	*32.61*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	321.47	82.35
		For Stave Lumber Core (SLC), Add	*117.58*	
		For Structural Composite Lumber Core (SCLC), Add	*70.55*	
		For >25 To 50, Deduct	*-18.62*	
		For >50 To 100, Deduct	*-30.19*	
		For >100, Deduct	*-44.10*	
		For 9' Door Height, Add	*32.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	330.14	85.93
		For Stave Lumber Core (SLC), Add	*118.71*	
		For Structural Composite Lumber Core (SCLC), Add	*71.23*	
		For >25 To 50, Deduct	*-19.22*	
		For >50 To 100, Deduct	*-31.04*	
		For >100, Deduct	*-45.22*	
		For 9' Door Height, Add	*33.24*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	347.60	85.93
		For Stave Lumber Core (SLC), Add	*131.81*	
		For Structural Composite Lumber Core (SCLC), Add	*79.08*	
		For >25 To 50, Deduct	*-19.92*	
		For >50 To 100, Deduct	*-32.56*	
		For >100, Deduct	*-47.84*	
		For 9' Door Height, Add	*36.91*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	386.61	89.51
		For Stave Lumber Core (SLC), Add	*155.69*	
		For Structural Composite Lumber Core (SCLC), Add	*93.42*	
		For >25 To 50, Deduct	*-21.73*	
		For >50 To 100, Deduct	*-36.07*	
		For >100, Deduct	*-53.52*	
		For 9' Door Height, Add	*43.59*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.05	78.77
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-20.20*	
		For >50 To 100, Deduct	*-34.09*	
		For >100, Deduct	*-51.12*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.05	78.77
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-20.20*	
		For >50 To 100, Deduct	*-34.09*	
		For >100, Deduct	*-51.12*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	363.17	82.35
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*148.85*	
		For Structural Composite Lumber Core (SCLC), Add	*89.31*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*342.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.16*	
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-33.84*	
		For >100, Deduct	*-50.36*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	371.44	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.13*	
		For Stave Lumber Core (SLC), Add	*155.06*	
		For Structural Composite Lumber Core (SCLC), Add	*93.03*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.09*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-34.56*	
		For >100, Deduct	*-51.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	376.98	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.21*	
		For Structural Composite Lumber Core (SCLC), Add	*95.53*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*366.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.74*	
		For >25 To 50, Deduct	*-20.84*	
		For >50 To 100, Deduct	*-35.04*	
		For >100, Deduct	*-52.43*	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	389.64	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.34*	
		For Structural Composite Lumber Core (SCLC), Add	*98.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.34*	
		For >25 To 50, Deduct	*-21.60*	
		For >50 To 100, Deduct	*-36.24*	
		For >100, Deduct	*-54.15*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.59	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.30*	
		For Structural Composite Lumber Core (SCLC), Add	*108.78*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*416.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.08*	
		For >25 To 50, Deduct	*-22.56*	
		For >50 To 100, Deduct	*-38.34*	
		For >100, Deduct	*-57.74*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	472.51	89.51
		For 7 Ply Cold Press Construction, Deduct	*-5.87*	
		For Stave Lumber Core (SLC), Add	*220.12*	
		For Structural Composite Lumber Core (SCLC), Add	*132.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*506.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*352.19*	
		For >25 To 50, Deduct	*-25.17*	
		For >50 To 100, Deduct	*-43.58*	
		For >100, Deduct	*-66.40*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	487.18	89.51
		For 7 Ply Cold Press Construction, Deduct	*-6.16*	
		For Stave Lumber Core (SLC), Add	*231.12*	
		For Structural Composite Lumber Core (SCLC), Add	*138.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*531.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*369.79*	
		For >25 To 50, Deduct	*-25.75*	
		For >50 To 100, Deduct	*-44.87*	
		For >100, Deduct	*-68.60*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	530.85	96.67
		For 7 Ply Cold Press Construction, Deduct	*-6.75*	
		For Stave Lumber Core (SLC), Add	*253.13*	
		For Structural Composite Lumber Core (SCLC), Add	*151.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*582.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.00*	
		For >25 To 50, Deduct	*-28.00*	
		For >50 To 100, Deduct	*-48.87*	
		For >100, Deduct	*-74.79*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.14	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-19.80*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-49.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.14	78.77
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-19.80*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-49.63*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	374.73	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.20*	
		For Stave Lumber Core (SLC), Add	*157.52*	
		For Structural Composite Lumber Core (SCLC), Add	*94.51*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.04*	
		For >25 To 50, Deduct	*-20.75*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-52.09*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	383.48	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.09*	
		For Structural Composite Lumber Core (SCLC), Add	*98.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.54*	
		For >25 To 50, Deduct	*-21.10*	
		For >50 To 100, Deduct	*-35.61*	
		For >100, Deduct	*-53.40*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	389.33	82.35
		For 7 Ply Cold Press Construction, Deduct	*-4.49*	
		For Stave Lumber Core (SLC), Add	*168.47*	
		For Structural Composite Lumber Core (SCLC), Add	*101.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*387.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.56*	
		For >25 To 50, Deduct	*-21.34*	
		For >50 To 100, Deduct	*-36.13*	
		For >100, Deduct	*-54.28*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	402.31	85.93
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.84*	
		For Structural Composite Lumber Core (SCLC), Add	*103.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*397.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.54*	
		For >25 To 50, Deduct	*-22.11*	
		For >50 To 100, Deduct	*-37.35*	
		For >100, Deduct	*-56.05*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.66	85.93
		For 7 Ply Cold Press Construction, Deduct	*-5.12*	
		For Stave Lumber Core (SLC), Add	*191.85*	
		For Structural Composite Lumber Core (SCLC), Add	*115.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*441.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.96*	
		For >25 To 50, Deduct	*-23.12*	
		For >50 To 100, Deduct	*-39.57*	
		For >100, Deduct	*-59.85*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	489.59	89.51
		For 7 Ply Cold Press Construction, Deduct	*-6.21*	
		For Stave Lumber Core (SLC), Add	*232.93*	
		For Structural Composite Lumber Core (SCLC), Add	*139.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*535.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.68*	
		For >25 To 50, Deduct	*-25.85*	
		For >50 To 100, Deduct	*-45.08*	
		For >100, Deduct	*-68.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	505.12	89.51
		For 7 Ply Cold Press Construction, Deduct	*-6.52*	
		For Stave Lumber Core (SLC), Add	*244.58*	
		For Structural Composite Lumber Core (SCLC), Add	*146.75*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*562.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*391.32*	
		For >25 To 50, Deduct	*-26.47*	
		For >50 To 100, Deduct	*-46.44*	
		For >100, Deduct	*-71.29*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	550.50	96.67
		For 7 Ply Cold Press Construction, Deduct	*-7.14*	
		For Stave Lumber Core (SLC), Add	*267.86*	
		For Structural Composite Lumber Core (SCLC), Add	*160.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*616.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*428.58*	
		For >25 To 50, Deduct	*-28.79*	
		For >50 To 100, Deduct	*-50.59*	
		For >100, Deduct	*-77.74*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	422.47	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-22.41*	
		For >50 To 100, Deduct	*-38.94*	
		For >100, Deduct	*-59.43*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	422.47	78.77
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-22.41*	
		For >50 To 100, Deduct	*-38.94*	
		For >100, Deduct	*-59.43*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	415.68	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.02*	
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.94*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*432.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.18*	
		For >25 To 50, Deduct	*-22.39*	
		For >50 To 100, Deduct	*-38.43*	
		For >100, Deduct	*-58.23*	
		For 9' Door Height, Add	*52.71*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	426.13	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.23*	
		For Stave Lumber Core (SLC), Add	*196.07*	
		For Structural Composite Lumber Core (SCLC), Add	*117.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*450.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.72*	
		For >25 To 50, Deduct	*-22.81*	
		For >50 To 100, Deduct	*-39.35*	
		For >100, Deduct	*-59.80*	
		For 9' Door Height, Add	*54.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	433.12	82.35
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.32*	
		For Structural Composite Lumber Core (SCLC), Add	*120.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*463.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.10*	
		For >25 To 50, Deduct	*-23.09*	
		For >50 To 100, Deduct	*-39.96*	
		For >100, Deduct	*-60.85*	
		For 9' Door Height, Add	*56.37*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	447.24	85.93
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.54*	
		For Structural Composite Lumber Core (SCLC), Add	*123.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*475.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*206.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*330.46*	
		For >25 To 50, Deduct	*-23.90*	
		For >50 To 100, Deduct	*-41.28*	
		For >100, Deduct	*-62.79*	
		For 9' Door Height, Add	*57.83*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	477.53	85.93
		For 7 Ply Cold Press Construction, Deduct	*-6.11*	
		For Stave Lumber Core (SLC), Add	*229.25*	
		For Structural Composite Lumber Core (SCLC), Add	*137.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*527.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*229.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*366.80*	
		For >25 To 50, Deduct	*-25.12*	
		For >50 To 100, Deduct	*-43.93*	
		For >100, Deduct	*-67.33*	
		For 9' Door Height, Add	*64.19*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	550.14	89.51
		For 7 Ply Cold Press Construction, Deduct	*-7.42*	
		For Stave Lumber Core (SLC), Add	*278.34*	
		For Structural Composite Lumber Core (SCLC), Add	*167.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*640.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*200.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*278.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*445.34*	
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-50.38*	
		For >100, Deduct	*-78.05*	
		For 9' Door Height, Add	*77.94*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	568.70	89.51
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*292.26*	
		For Structural Composite Lumber Core (SCLC), Add	*175.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*672.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*292.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*467.62*	
		For >25 To 50, Deduct	*-29.01*	
		For >50 To 100, Deduct	*-52.00*	
		For >100, Deduct	*-80.83*	
		For 9' Door Height, Add	*81.83*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	620.14	96.67
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.09*	
		For Structural Composite Lumber Core (SCLC), Add	*192.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*736.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.15*	
		For >25 To 50, Deduct	*-31.57*	
		For >50 To 100, Deduct	*-56.68*	
		For >100, Deduct	*-88.19*	
		For 9' Door Height, Add	*89.63*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	559.57	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-27.90*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-80.00*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	559.57	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-27.90*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-80.00*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	566.73	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-28.43*	
		For >50 To 100, Deduct	*-51.65*	
		For >100, Deduct	*-80.89*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	570.86	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.12*	
		For Stave Lumber Core (SLC), Add	*304.62*	
		For Structural Composite Lumber Core (SCLC), Add	*182.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*700.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.39*	
		For >25 To 50, Deduct	*-28.60*	
		For >50 To 100, Deduct	*-52.01*	
		For >100, Deduct	*-81.51*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	572.73	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.02*	
		For Structural Composite Lumber Core (SCLC), Add	*183.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*703.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*489.64*	
		For >25 To 50, Deduct	*-28.67*	
		For >50 To 100, Deduct	*-52.17*	
		For >100, Deduct	*-81.79*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	581.75	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.20*	
		For Stave Lumber Core (SLC), Add	*307.42*	
		For Structural Composite Lumber Core (SCLC), Add	*184.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*707.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*491.87*	
		For >25 To 50, Deduct	*-29.29*	
		For >50 To 100, Deduct	*-53.05*	
		For >100, Deduct	*-82.97*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	626.78	85.93
		For 7 Ply Cold Press Construction, Deduct	*-9.10*	
		For Stave Lumber Core (SLC), Add	*341.19*	
		For Structural Composite Lumber Core (SCLC), Add	*204.71*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*784.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*341.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*545.90*	
		For >25 To 50, Deduct	*-31.09*	
		For >50 To 100, Deduct	*-56.99*	
		For >100, Deduct	*-89.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	749.87	89.51
		For 7 Ply Cold Press Construction, Deduct	*-11.42*	
		For Stave Lumber Core (SLC), Add	*428.14*	
		For Structural Composite Lumber Core (SCLC), Add	*256.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*984.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*308.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*428.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*685.02*	
		For >25 To 50, Deduct	*-36.26*	
		For >50 To 100, Deduct	*-67.85*	
		For >100, Deduct	*-108.01*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	778.81	89.51
		For 7 Ply Cold Press Construction, Deduct	*-12.00*	
		For Stave Lumber Core (SLC), Add	*449.84*	
		For Structural Composite Lumber Core (SCLC), Add	*269.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,034.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*323.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*449.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*719.75*	
		For >25 To 50, Deduct	*-37.42*	
		For >50 To 100, Deduct	*-70.38*	
		For >100, Deduct	*-112.35*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	849.84	96.67
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.37*	
		For Structural Composite Lumber Core (SCLC), Add	*295.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.79*	
		For >25 To 50, Deduct	*-40.76*	
		For >50 To 100, Deduct	*-76.78*	
		For >100, Deduct	*-122.64*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	582.96	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-28.83*	
		For >50 To 100, Deduct	*-52.98*	
		For >100, Deduct	*-83.51*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	582.96	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-28.83*	
		For >50 To 100, Deduct	*-52.98*	
		For >100, Deduct	*-83.51*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	590.12	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-29.37*	
		For >50 To 100, Deduct	*-53.69*	
		For >100, Deduct	*-84.40*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	594.48	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.34*	
		For Structural Composite Lumber Core (SCLC), Add	*193.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*741.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*232.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.74*	
		For >25 To 50, Deduct	*-29.54*	
		For >50 To 100, Deduct	*-54.08*	
		For >100, Deduct	*-85.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.47	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.64*	
		For Stave Lumber Core (SLC), Add	*323.83*	
		For Structural Composite Lumber Core (SCLC), Add	*194.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*744.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*233.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*323.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*518.12*	
		For >25 To 50, Deduct	*-29.62*	
		For >50 To 100, Deduct	*-54.25*	
		For >100, Deduct	*-85.35*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	605.62	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.32*	
		For Structural Composite Lumber Core (SCLC), Add	*195.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.51*	
		For >25 To 50, Deduct	*-30.24*	
		For >50 To 100, Deduct	*-55.14*	
		For >100, Deduct	*-86.55*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	653.26	85.93
		For 7 Ply Cold Press Construction, Deduct	*-9.63*	
		For Stave Lumber Core (SLC), Add	*361.05*	
		For Structural Composite Lumber Core (SCLC), Add	*216.63*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*830.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*361.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*577.68*	
		For >25 To 50, Deduct	*-32.15*	
		For >50 To 100, Deduct	*-59.31*	
		For >100, Deduct	*-93.69*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	783.10	89.51
		For 7 Ply Cold Press Construction, Deduct	*-12.08*	
		For Stave Lumber Core (SLC), Add	*453.06*	
		For Structural Composite Lumber Core (SCLC), Add	*271.84*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,042.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*326.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*453.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*724.90*	
		For >25 To 50, Deduct	*-37.59*	
		For >50 To 100, Deduct	*-70.76*	
		For >100, Deduct	*-112.99*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.71	89.51
		For 7 Ply Cold Press Construction, Deduct	*-12.69*	
		For Stave Lumber Core (SLC), Add	*476.02*	
		For Structural Composite Lumber Core (SCLC), Add	*285.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,094.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*342.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*476.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*761.63*	
		For >25 To 50, Deduct	*-38.81*	
		For >50 To 100, Deduct	*-73.44*	
		For >100, Deduct	*-117.58*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	888.03	96.67
		For 7 Ply Cold Press Construction, Deduct	*-13.89*	
		For Stave Lumber Core (SLC), Add	*521.01*	
		For Structural Composite Lumber Core (SCLC), Add	*312.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.62*	
		For >25 To 50, Deduct	*-42.29*	
		For >50 To 100, Deduct	*-80.12*	
		For >100, Deduct	*-128.37*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.90	78.77
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.15*	
		For >50 To 100, Deduct	*-60.24*	
		For >100, Deduct	*-95.95*	
		For 9' Door Height, Add	*106.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.90	78.77
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.15*	
		For >50 To 100, Deduct	*-60.24*	
		For >100, Deduct	*-95.95*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	673.06	82.35
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.69*	
		For >50 To 100, Deduct	*-60.95*	
		For >100, Deduct	*-96.84*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	678.30	82.35
		For 7 Ply Cold Press Construction, Deduct	*-10.27*	
		For Stave Lumber Core (SLC), Add	*385.20*	
		For Structural Composite Lumber Core (SCLC), Add	*231.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*885.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*277.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*385.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*616.32*	
		For >25 To 50, Deduct	*-32.90*	
		For >50 To 100, Deduct	*-61.41*	
		For >100, Deduct	*-97.63*	
		For 9' Door Height, Add	*107.86*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	680.68	82.35
		For 7 Ply Cold Press Construction, Deduct	*-10.32*	
		For Stave Lumber Core (SLC), Add	*386.99*	
		For Structural Composite Lumber Core (SCLC), Add	*232.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*890.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*278.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*386.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*619.18*	
		For >25 To 50, Deduct	*-32.99*	
		For >50 To 100, Deduct	*-61.62*	
		For >100, Deduct	*-97.98*	
		For 9' Door Height, Add	*108.36*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	690.18	85.93
		For 7 Ply Cold Press Construction, Deduct	*-10.37*	
		For Stave Lumber Core (SLC), Add	*388.74*	
		For Structural Composite Lumber Core (SCLC), Add	*233.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*894.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*279.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*388.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*621.98*	
		For >25 To 50, Deduct	*-33.62*	
		For >50 To 100, Deduct	*-62.54*	
		For >100, Deduct	*-99.23*	
		For 9' Door Height, Add	*108.85*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	747.12	85.93
		For 7 Ply Cold Press Construction, Deduct	*-11.51*	
		For Stave Lumber Core (SLC), Add	*431.45*	
		For Structural Composite Lumber Core (SCLC), Add	*258.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*992.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*310.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*431.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*690.31*	
		For >25 To 50, Deduct	*-35.90*	
		For >50 To 100, Deduct	*-67.52*	
		For >100, Deduct	*-107.77*	
		For 9' Door Height, Add	*120.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	900.90	89.51
		For 7 Ply Cold Press Construction, Deduct	*-14.44*	
		For Stave Lumber Core (SLC), Add	*541.41*	
		For Structural Composite Lumber Core (SCLC), Add	*324.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,245.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*86.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*389.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*541.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*866.26*	
		For >25 To 50, Deduct	*-42.30*	
		For >50 To 100, Deduct	*-81.07*	
		For >100, Deduct	*-130.66*	
		For 9' Door Height, Add	*151.59*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	937.47	89.51
		For 7 Ply Cold Press Construction, Deduct	*-15.17*	
		For Stave Lumber Core (SLC), Add	*568.84*	
		For Structural Composite Lumber Core (SCLC), Add	*341.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,308.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*409.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*568.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*910.14*	
		For >25 To 50, Deduct	*-43.76*	
		For >50 To 100, Deduct	*-84.27*	
		For >100, Deduct	*-136.15*	
		For 9' Door Height, Add	*159.27*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,023.50	96.67
		For 7 Ply Cold Press Construction, Deduct	*-16.60*	
		For Stave Lumber Core (SLC), Add	*622.61*	
		For Structural Composite Lumber Core (SCLC), Add	*373.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.18*	
		For >25 To 50, Deduct	*-47.71*	
		For >50 To 100, Deduct	*-91.97*	
		For >100, Deduct	*-148.69*	
		For 9' Door Height, Add	*174.33*	

08 14 16 00-0503 Maple Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.11	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.40*	
		For >50 To 100, Deduct	*-45.47*	
		For >100, Deduct	*-70.63*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.11	78.77
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.40*	
		For >50 To 100, Deduct	*-45.47*	
		For >100, Deduct	*-70.63*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	504.27	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.94*	
		For >50 To 100, Deduct	*-46.18*	
		For >100, Deduct	*-71.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.77	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.30*	
		For Structural Composite Lumber Core (SCLC), Add	*154.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.68*	
		For >25 To 50, Deduct	*-26.08*	
		For >50 To 100, Deduct	*-46.49*	
		For >100, Deduct	*-72.05*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	509.33	82.35
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.47*	
		For Structural Composite Lumber Core (SCLC), Add	*155.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*594.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.56*	
		For >25 To 50, Deduct	*-26.14*	
		For >50 To 100, Deduct	*-46.63*	
		For >100, Deduct	*-72.28*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	518.08	85.93
		For 7 Ply Cold Press Construction, Deduct	*-6.92*	
		For Stave Lumber Core (SLC), Add	*259.67*	
		For Structural Composite Lumber Core (SCLC), Add	*155.80*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*597.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*259.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*415.46*	
		For >25 To 50, Deduct	*-26.74*	
		For >50 To 100, Deduct	*-47.48*	
		For >100, Deduct	*-73.42*	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	556.12	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.69*	
		For Stave Lumber Core (SLC), Add	*288.20*	
		For Structural Composite Lumber Core (SCLC), Add	*172.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*662.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.11*	
		For >25 To 50, Deduct	*-28.26*	
		For >50 To 100, Deduct	*-50.81*	
		For >100, Deduct	*-79.12*	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	637.08	89.51
		For 7 Ply Cold Press Construction, Deduct	*-9.16*	
		For Stave Lumber Core (SLC), Add	*343.55*	
		For Structural Composite Lumber Core (SCLC), Add	*206.13*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*790.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*343.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*549.67*	
		For >25 To 50, Deduct	*-31.75*	
		For >50 To 100, Deduct	*-57.98*	
		For >100, Deduct	*-91.09*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	685.29	89.51
		For 7 Ply Cold Press Construction, Deduct	*-10.13*	
		For Stave Lumber Core (SLC), Add	*379.70*	
		For Structural Composite Lumber Core (SCLC), Add	*227.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*873.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*607.52*	
		For >25 To 50, Deduct	*-33.68*	
		For >50 To 100, Deduct	*-62.20*	
		For >100, Deduct	*-98.32*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	733.55	89.51
		For 7 Ply Cold Press Construction, Deduct	*-11.09*	
		For Stave Lumber Core (SLC), Add	*415.90*	
		For Structural Composite Lumber Core (SCLC), Add	*249.54*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*956.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*415.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*665.44*	
		For >25 To 50, Deduct	*-35.61*	
		For >50 To 100, Deduct	*-66.42*	
		For >100, Deduct	*-105.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.87	78.77
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.19*	
		For >50 To 100, Deduct	*-47.20*	
		For >100, Deduct	*-73.59*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.87	78.77
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.19*	
		For >50 To 100, Deduct	*-47.20*	
		For >100, Deduct	*-73.59*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	524.03	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.73*	
		For >50 To 100, Deduct	*-47.91*	
		For >100, Deduct	*-74.49*	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	527.72	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.27*	
		For Structural Composite Lumber Core (SCLC), Add	*163.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*626.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.62*	
		For >25 To 50, Deduct	*-26.87*	
		For >50 To 100, Deduct	*-48.23*	
		For >100, Deduct	*-75.04*	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	529.40	82.35
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.53*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*629.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.64*	
		For >25 To 50, Deduct	*-26.94*	
		For >50 To 100, Deduct	*-48.38*	
		For >100, Deduct	*-75.29*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	538.23	85.93
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.78*	
		For Structural Composite Lumber Core (SCLC), Add	*164.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*631.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*274.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*439.64*	
		For >25 To 50, Deduct	*-27.54*	
		For >50 To 100, Deduct	*-49.24*	
		For >100, Deduct	*-76.44*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	578.47	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.96*	
		For Structural Composite Lumber Core (SCLC), Add	*182.97*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*701.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.93*	
		For >25 To 50, Deduct	*-29.15*	
		For >50 To 100, Deduct	*-52.76*	
		For >100, Deduct	*-82.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	663.74	89.51
		For 7 Ply Cold Press Construction, Deduct	*-9.69*	
		For Stave Lumber Core (SLC), Add	*363.54*	
		For Structural Composite Lumber Core (SCLC), Add	*218.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*836.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*261.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*363.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*581.66*	
		For >25 To 50, Deduct	*-32.82*	
		For >50 To 100, Deduct	*-60.32*	
		For >100, Deduct	*-95.09*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	714.77	89.51
		For 7 Ply Cold Press Construction, Deduct	*-10.72*	
		For Stave Lumber Core (SLC), Add	*401.81*	
		For Structural Composite Lumber Core (SCLC), Add	*241.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*924.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*401.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*642.90*	
		For >25 To 50, Deduct	*-34.86*	
		For >50 To 100, Deduct	*-64.78*	
		For >100, Deduct	*-102.74*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	765.83	89.51
		For 7 Ply Cold Press Construction, Deduct	*-11.74*	
		For Stave Lumber Core (SLC), Add	*440.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,012.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*440.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*704.17*	
		For >25 To 50, Deduct	*-36.90*	
		For >50 To 100, Deduct	*-69.25*	
		For >100, Deduct	*-110.40*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.93	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-28.99*	
		For >50 To 100, Deduct	*-53.33*	
		For >100, Deduct	*-84.10*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.93	78.77
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-28.99*	
		For >50 To 100, Deduct	*-53.33*	
		For >100, Deduct	*-84.10*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	594.09	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-29.53*	
		For >50 To 100, Deduct	*-54.04*	
		For >100, Deduct	*-85.00*	
		For 9' Door Height, Add	*90.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	598.51	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.36*	
		For Structural Composite Lumber Core (SCLC), Add	*195.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.57*	
		For >25 To 50, Deduct	*-29.70*	
		For >50 To 100, Deduct	*-54.43*	
		For >100, Deduct	*-85.66*	
		For 9' Door Height, Add	*91.10*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.52	82.35
		For 7 Ply Cold Press Construction, Deduct	*-8.72*	
		For Stave Lumber Core (SLC), Add	*326.87*	
		For Structural Composite Lumber Core (SCLC), Add	*196.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*751.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*326.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*522.98*	
		For >25 To 50, Deduct	*-29.79*	
		For >50 To 100, Deduct	*-54.60*	
		For >100, Deduct	*-85.96*	
		For 9' Door Height, Add	*91.52*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	609.66	85.93
		For 7 Ply Cold Press Construction, Deduct	*-8.76*	
		For Stave Lumber Core (SLC), Add	*328.35*	
		For Structural Composite Lumber Core (SCLC), Add	*197.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*755.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*525.36*	
		For >25 To 50, Deduct	*-30.40*	
		For >50 To 100, Deduct	*-55.49*	
		For >100, Deduct	*-87.15*	
		For 9' Door Height, Add	*91.94*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	657.76	85.93
		For 7 Ply Cold Press Construction, Deduct	*-9.72*	
		For Stave Lumber Core (SLC), Add	*364.43*	
		For Structural Composite Lumber Core (SCLC), Add	*218.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*838.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.08*	
		For >25 To 50, Deduct	*-32.33*	
		For >50 To 100, Deduct	*-59.70*	
		For >100, Deduct	*-94.37*	
		For 9' Door Height, Add	*102.04*	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	758.26	89.51
		For 7 Ply Cold Press Construction, Deduct	*-11.58*	
		For Stave Lumber Core (SLC), Add	*434.43*	
		For Structural Composite Lumber Core (SCLC), Add	*260.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*999.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*312.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*434.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*695.09*	
		For >25 To 50, Deduct	*-36.60*	
		For >50 To 100, Deduct	*-68.59*	
		For >100, Deduct	*-109.26*	
		For 9' Door Height, Add	*121.64*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	819.23	89.51
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.16*	
		For Structural Composite Lumber Core (SCLC), Add	*288.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.25*	
		For >25 To 50, Deduct	*-39.03*	
		For >50 To 100, Deduct	*-73.92*	
		For >100, Deduct	*-118.41*	
		For 9' Door Height, Add	*134.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	880.24	89.51
		For 7 Ply Cold Press Construction, Deduct	*-14.02*	
		For Stave Lumber Core (SLC), Add	*525.92*	
		For Structural Composite Lumber Core (SCLC), Add	*315.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,209.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*378.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*525.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*841.46*	
		For >25 To 50, Deduct	*-41.48*	
		For >50 To 100, Deduct	*-79.26*	
		For >100, Deduct	*-127.56*	
		For 9' Door Height, Add	*147.26*	
08 14 16 00-0534		**Walnut Faced Wood Doors** *(08 14 16 00-0440)*		
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	774.37	78.77
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-36.49*	
		For >50 To 100, Deduct	*-69.73*	
		For >100, Deduct	*-112.22*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	774.37	78.77
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-36.49*	
		For >50 To 100, Deduct	*-69.73*	
		For >100, Deduct	*-112.22*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	781.72	82.35
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.77*	
		For Structural Composite Lumber Core (SCLC), Add	*277.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.42*	
		For >25 To 50, Deduct	*-37.03*	
		For >50 To 100, Deduct	*-70.46*	
		For >100, Deduct	*-113.14*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	788.08	82.35
		For 7 Ply Cold Press Construction, Deduct	*-12.47*	
		For Stave Lumber Core (SLC), Add	*467.54*	
		For Structural Composite Lumber Core (SCLC), Add	*280.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,075.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*336.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*467.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*748.06*	
		For >25 To 50, Deduct	*-37.29*	
		For >50 To 100, Deduct	*-71.02*	
		For >100, Deduct	*-114.09*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	804.71	82.35
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.01*	
		For Structural Composite Lumber Core (SCLC), Add	*288.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.01*	
		For >25 To 50, Deduct	*-37.95*	
		For >50 To 100, Deduct	*-72.47*	
		For >100, Deduct	*-116.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	828.47	85.93
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.46*	
		For Structural Composite Lumber Core (SCLC), Add	*295.47*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.93*	
		For >25 To 50, Deduct	*-39.15*	
		For >50 To 100, Deduct	*-74.64*	
		For >100, Deduct	*-119.97*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	871.59	85.93
		For 7 Ply Cold Press Construction, Deduct	*-13.99*	
		For Stave Lumber Core (SLC), Add	*524.80*	
		For Structural Composite Lumber Core (SCLC), Add	*314.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,207.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*377.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*524.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*839.68*	
		For >25 To 50, Deduct	*-40.88*	
		For >50 To 100, Deduct	*-78.41*	
		For >100, Deduct	*-126.44*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,060.74	89.51
		For 7 Ply Cold Press Construction, Deduct	*-17.63*	
		For Stave Lumber Core (SLC), Add	*661.29*	
		For Structural Composite Lumber Core (SCLC), Add	*396.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,520.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*105.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*476.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*661.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,058.06*	
		For >25 To 50, Deduct	*-48.70*	
		For >50 To 100, Deduct	*-95.05*	
		For >100, Deduct	*-154.64*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,104.81	89.51
		For 7 Ply Cold Press Construction, Deduct	*-18.52*	
		For Stave Lumber Core (SLC), Add	*694.34*	
		For Structural Composite Lumber Core (SCLC), Add	*416.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,596.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*499.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*694.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,110.95*	
		For >25 To 50, Deduct	*-50.46*	
		For >50 To 100, Deduct	*-98.91*	
		For >100, Deduct	*-161.25*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,193.03	89.51
		For 7 Ply Cold Press Construction, Deduct	*-20.28*	
		For Stave Lumber Core (SLC), Add	*760.51*	
		For Structural Composite Lumber Core (SCLC), Add	*456.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,749.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*121.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*547.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*760.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,216.81*	
		For >25 To 50, Deduct	*-53.99*	
		For >50 To 100, Deduct	*-106.63*	
		For >100, Deduct	*-174.48*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	810.26	78.77
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-37.92*	
		For >50 To 100, Deduct	*-72.87*	
		For >100, Deduct	*-117.60*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	810.26	78.77
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-37.92*	
		For >50 To 100, Deduct	*-72.87*	
		For >100, Deduct	*-117.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	817.62	82.35
		For 7 Ply Cold Press Construction, Deduct	*-13.06*	
		For Stave Lumber Core (SLC), Add	*489.69*	
		For Structural Composite Lumber Core (SCLC), Add	*293.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,126.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.50*	
		For >25 To 50, Deduct	*-38.47*	
		For >50 To 100, Deduct	*-73.60*	
		For >100, Deduct	*-118.53*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	824.37	82.35
		For 7 Ply Cold Press Construction, Deduct	*-13.19*	
		For Stave Lumber Core (SLC), Add	*494.75*	
		For Structural Composite Lumber Core (SCLC), Add	*296.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,137.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*79.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*356.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*494.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*791.60*	
		For >25 To 50, Deduct	*-38.74*	
		For >50 To 100, Deduct	*-74.19*	
		For >100, Deduct	*-119.54*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	841.95	82.35
		For 7 Ply Cold Press Construction, Deduct	*-13.55*	
		For Stave Lumber Core (SLC), Add	*507.94*	
		For Structural Composite Lumber Core (SCLC), Add	*304.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,168.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*365.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*507.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*812.70*	
		For >25 To 50, Deduct	*-39.44*	
		For >50 To 100, Deduct	*-75.73*	
		For >100, Deduct	*-122.18*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	866.66	85.93
		For 7 Ply Cold Press Construction, Deduct	*-13.90*	
		For Stave Lumber Core (SLC), Add	*521.10*	
		For Structural Composite Lumber Core (SCLC), Add	*312.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.76*	
		For >25 To 50, Deduct	*-40.68*	
		For >50 To 100, Deduct	*-77.98*	
		For >100, Deduct	*-125.70*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	912.32	85.93
		For 7 Ply Cold Press Construction, Deduct	*-14.81*	
		For Stave Lumber Core (SLC), Add	*555.35*	
		For Structural Composite Lumber Core (SCLC), Add	*333.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,277.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.55*	
		For >25 To 50, Deduct	*-42.51*	
		For >50 To 100, Deduct	*-81.98*	
		For >100, Deduct	*-132.55*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,112.04	89.51
		For 7 Ply Cold Press Construction, Deduct	*-18.66*	
		For Stave Lumber Core (SLC), Add	*699.77*	
		For Structural Composite Lumber Core (SCLC), Add	*419.86*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,609.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*503.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*699.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,119.62*	
		For >25 To 50, Deduct	*-50.75*	
		For >50 To 100, Deduct	*-99.54*	
		For >100, Deduct	*-162.33*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,158.69	89.51
		For 7 Ply Cold Press Construction, Deduct	*-19.59*	
		For Stave Lumber Core (SLC), Add	*734.75*	
		For Structural Composite Lumber Core (SCLC), Add	*440.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,689.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*117.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*529.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*734.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,175.60*	
		For >25 To 50, Deduct	*-52.61*	
		For >50 To 100, Deduct	*-103.62*	
		For >100, Deduct	*-169.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,252.03	89.51
		For 7 Ply Cold Press Construction, Deduct	*-21.46*	
		For Stave Lumber Core (SLC), Add	*804.76*	
		For Structural Composite Lumber Core (SCLC), Add	*482.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,850.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*128.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*579.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*804.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,287.61*	
		For >25 To 50, Deduct	*-56.35*	
		For >50 To 100, Deduct	*-111.79*	
		For >100, Deduct	*-183.33*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	937.55	78.77
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-43.02*	
		For >50 To 100, Deduct	*-84.00*	
		For >100, Deduct	*-136.69*	
		For 9' Door Height, Add	*163.80*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	937.55	78.77
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-43.02*	
		For >50 To 100, Deduct	*-84.00*	
		For >100, Deduct	*-136.69*	
		For 9' Door Height, Add	*163.80*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	944.94	82.35
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.18*	
		For Structural Composite Lumber Core (SCLC), Add	*351.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.29*	
		For >25 To 50, Deduct	*-43.56*	
		For >50 To 100, Deduct	*-84.74*	
		For >100, Deduct	*-137.62*	
		For 9' Door Height, Add	*163.85*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	953.00	82.35
		For 7 Ply Cold Press Construction, Deduct	*-15.77*	
		For Stave Lumber Core (SLC), Add	*591.23*	
		For Structural Composite Lumber Core (SCLC), Add	*354.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,359.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*94.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*425.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*591.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*945.96*	
		For >25 To 50, Deduct	*-43.88*	
		For >50 To 100, Deduct	*-85.45*	
		For >100, Deduct	*-138.83*	
		For 9' Door Height, Add	*165.54*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	974.01	82.35
		For 7 Ply Cold Press Construction, Deduct	*-16.19*	
		For Stave Lumber Core (SLC), Add	*606.98*	
		For Structural Composite Lumber Core (SCLC), Add	*364.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,396.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*606.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*971.17*	
		For >25 To 50, Deduct	*-44.72*	
		For >50 To 100, Deduct	*-87.28*	
		For >100, Deduct	*-141.98*	
		For 9' Door Height, Add	*169.96*	

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0560	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,002.17	85.93
	For 7 Ply Cold Press Construction, Deduct	*-16.61*	
	For Stave Lumber Core (SLC), Add	*622.73*	
	For Structural Composite Lumber Core (SCLC), Add	*373.64*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.28*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.64*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.37*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.73*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.37*	
	For >25 To 50, Deduct	*-46.10*	
	For >50 To 100, Deduct	*-89.84*	
	For >100, Deduct	*-146.03*	
	For 9' Door Height, Add	*174.37*	
08 14 16 00-0561	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,056.72	85.93
	For 7 Ply Cold Press Construction, Deduct	*-17.70*	
	For Stave Lumber Core (SLC), Add	*663.65*	
	For Structural Composite Lumber Core (SCLC), Add	*398.19*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,526.38*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*106.18*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*477.82*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*663.65*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,061.83*	
	For >25 To 50, Deduct	*-48.28*	
	For >50 To 100, Deduct	*-94.61*	
	For >100, Deduct	*-154.21*	
	For 9' Door Height, Add	*185.82*	
08 14 16 00-0562	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,294.00	89.51
	For 7 Ply Cold Press Construction, Deduct	*-22.30*	
	For Stave Lumber Core (SLC), Add	*836.24*	
	For Structural Composite Lumber Core (SCLC), Add	*501.74*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,923.34*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*133.80*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*602.09*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*836.24*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,337.98*	
	For >25 To 50, Deduct	*-58.03*	
	For >50 To 100, Deduct	*-115.46*	
	For >100, Deduct	*-189.62*	
	For 9' Door Height, Add	*234.15*	
08 14 16 00-0563	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,349.74	89.51
	For 7 Ply Cold Press Construction, Deduct	*-23.41*	
	For Stave Lumber Core (SLC), Add	*878.04*	
	For Structural Composite Lumber Core (SCLC), Add	*526.82*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,019.49*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*140.49*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*632.19*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*878.04*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,404.86*	
	For >25 To 50, Deduct	*-60.26*	
	For >50 To 100, Deduct	*-120.34*	
	For >100, Deduct	*-197.99*	
	For 9' Door Height, Add	*245.85*	
08 14 16 00-0564	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,461.27	89.51
	For 7 Ply Cold Press Construction, Deduct	*-25.65*	
	For Stave Lumber Core (SLC), Add	*961.69*	
	For Structural Composite Lumber Core (SCLC), Add	*577.01*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,211.88*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*153.87*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*692.42*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*961.69*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,538.70*	
	For >25 To 50, Deduct	*-64.72*	
	For >50 To 100, Deduct	*-130.10*	
	For >100, Deduct	*-214.72*	
	For 9' Door Height, Add	*269.27*	

08 14 16 00-0565 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.89	78.77
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
	For >25 To 50, Deduct	*-18.19*	
	For >50 To 100, Deduct	*-29.70*	
	For >100, Deduct	*-43.60*	
08 14 16 00-0567	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.89	78.77
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
	For >25 To 50, Deduct	*-18.19*	
	For >50 To 100, Deduct	*-29.70*	
	For >100, Deduct	*-43.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.51	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*275.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.77*	
		For >25 To 50, Deduct	*-18.74*	
		For >50 To 100, Deduct	*-30.45*	
		For >100, Deduct	*-44.56*	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	329.10	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*283.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.28*	
		For >25 To 50, Deduct	*-18.93*	
		For >50 To 100, Deduct	*-30.86*	
		For >100, Deduct	*-45.25*	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	330.76	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*286.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.27*	
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-31.00*	
		For >100, Deduct	*-45.50*	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	339.58	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*289.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*201.26*	
		For >25 To 50, Deduct	*-19.60*	
		For >50 To 100, Deduct	*-31.86*	
		For >100, Deduct	*-46.64*	
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	354.74	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*315.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.46*	
		For >25 To 50, Deduct	*-20.20*	
		For >50 To 100, Deduct	*-33.19*	
		For >100, Deduct	*-48.91*	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	374.94	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*337.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.10*	
		For >25 To 50, Deduct	*-21.26*	
		For >50 To 100, Deduct	*-35.05*	
		For >100, Deduct	*-51.77*	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	384.74	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*354.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*246.86*	
		For >25 To 50, Deduct	*-21.66*	
		For >50 To 100, Deduct	*-35.90*	
		For >100, Deduct	*-53.24*	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	404.34	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*388.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.38*	
		For >25 To 50, Deduct	*-22.44*	
		For >50 To 100, Deduct	*-37.62*	
		For >100, Deduct	*-56.18*	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.15	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-30.51*	
		For >100, Deduct	*-44.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.15	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-30.51*	
		For >100, Deduct	*-44.98*	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.80	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*291.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.92*	
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-31.27*	
		For >100, Deduct	*-45.95*	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	338.66	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*300.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.75*	
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-46.68*	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	340.43	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*303.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*210.88*	
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-31.85*	
		For >100, Deduct	*-46.95*	
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	349.34	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*306.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*212.98*	
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-32.72*	
		For >100, Deduct	*-48.10*	
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	365.38	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*333.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.22*	
		For >25 To 50, Deduct	*-20.63*	
		For >50 To 100, Deduct	*-34.12*	
		For >100, Deduct	*-50.51*	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	386.34	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*357.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.78*	
		For >25 To 50, Deduct	*-21.72*	
		For >50 To 100, Deduct	*-36.04*	
		For >100, Deduct	*-53.48*	
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	396.71	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.23*	
		For >25 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-55.03*	
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	417.45	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*411.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*286.12*	
		For >25 To 50, Deduct	*-22.96*	
		For >50 To 100, Deduct	*-38.76*	
		For >100, Deduct	*-58.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	359.02	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-33.38*	
		For >100, Deduct	*-49.91*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	359.02	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-33.38*	
		For >100, Deduct	*-49.91*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	366.77	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*348.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.48*	
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-34.15*	
		For >100, Deduct	*-50.90*	
		For 9' Door Height, Add	*42.43*	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	372.59	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*358.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.47*	
		For >25 To 50, Deduct	*-20.67*	
		For >50 To 100, Deduct	*-34.66*	
		For >100, Deduct	*-51.77*	
		For 9' Door Height, Add	*43.66*	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	374.70	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.00*	
		For >25 To 50, Deduct	*-20.75*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-52.09*	
		For 9' Door Height, Add	*44.10*	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	383.96	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*365.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.52*	
		For >25 To 50, Deduct	*-21.37*	
		For >50 To 100, Deduct	*-35.74*	
		For >100, Deduct	*-53.30*	
		For 9' Door Height, Add	*44.54*	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	403.12	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*398.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.51*	
		For >25 To 50, Deduct	*-22.14*	
		For >50 To 100, Deduct	*-37.42*	
		For >100, Deduct	*-56.17*	
		For 9' Door Height, Add	*48.56*	
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	426.77	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*427.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*133.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*185.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*297.30*	
		For >25 To 50, Deduct	*-23.34*	
		For >50 To 100, Deduct	*-39.58*	
		For >100, Deduct	*-59.54*	
		For 9' Door Height, Add	*52.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	439.15	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*448.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.16*	
		For >25 To 50, Deduct	*-23.83*	
		For >50 To 100, Deduct	*-40.66*	
		For >100, Deduct	*-61.40*	
		For 9' Door Height, Add	*54.63*	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	463.95	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.92*	
		For >25 To 50, Deduct	*-24.82*	
		For >50 To 100, Deduct	*-42.83*	
		For >100, Deduct	*-65.12*	
		For 9' Door Height, Add	*59.84*	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.81	78.77
		For Stave Lumber Core (SLC), Add	*103.70*	
		For Structural Composite Lumber Core (SCLC), Add	*62.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
		For >25 To 50, Deduct	*-17.35*	
		For >50 To 100, Deduct	*-27.85*	
		For >100, Deduct	*-40.43*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.81	78.77
		For Stave Lumber Core (SLC), Add	*103.70*	
		For Structural Composite Lumber Core (SCLC), Add	*62.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
		For >25 To 50, Deduct	*-17.35*	
		For >50 To 100, Deduct	*-27.85*	
		For >100, Deduct	*-40.43*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	310.98	82.35
		For Stave Lumber Core (SLC), Add	*109.71*	
		For Structural Composite Lumber Core (SCLC), Add	*65.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*78.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.54*	
		For >25 To 50, Deduct	*-18.20*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-42.53*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	318.97	82.35
		For Stave Lumber Core (SLC), Add	*115.70*	
		For Structural Composite Lumber Core (SCLC), Add	*69.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*115.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.12*	
		For >25 To 50, Deduct	*-18.52*	
		For >50 To 100, Deduct	*-29.97*	
		For >100, Deduct	*-43.73*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	320.45	82.35
		For Stave Lumber Core (SLC), Add	*116.81*	
		For Structural Composite Lumber Core (SCLC), Add	*70.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.90*	
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-30.10*	
		For >100, Deduct	*-43.95*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.12	85.93
		For Stave Lumber Core (SLC), Add	*117.95*	
		For Structural Composite Lumber Core (SCLC), Add	*70.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*117.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*188.71*	
		For >25 To 50, Deduct	*-19.18*	
		For >50 To 100, Deduct	*-30.95*	
		For >100, Deduct	*-45.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	346.46	85.93
		For Stave Lumber Core (SLC), Add	*130.95*	
		For Structural Composite Lumber Core (SCLC), Add	*78.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.52*	
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-32.46*	
		For >100, Deduct	*-47.67*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	385.27	89.51
		For Stave Lumber Core (SLC), Add	*154.69*	
		For Structural Composite Lumber Core (SCLC), Add	*92.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*247.50*	
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-35.95*	
		For >100, Deduct	*-53.32*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	395.59	89.51
		For Stave Lumber Core (SLC), Add	*162.43*	
		For Structural Composite Lumber Core (SCLC), Add	*97.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*259.88*	
		For >25 To 50, Deduct	*-22.09*	
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-54.86*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	416.20	89.51
		For Stave Lumber Core (SLC), Add	*177.89*	
		For Structural Composite Lumber Core (SCLC), Add	*106.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >25 To 50, Deduct	*-22.91*	
		For >50 To 100, Deduct	*-38.66*	
		For >100, Deduct	*-57.95*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.86	78.77
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-17.67*	
		For >50 To 100, Deduct	*-28.56*	
		For >100, Deduct	*-41.64*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.86	78.77
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-17.67*	
		For >50 To 100, Deduct	*-28.56*	
		For >100, Deduct	*-41.64*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.50	82.35
		For Stave Lumber Core (SLC), Add	*116.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.76*	
		For >25 To 50, Deduct	*-18.54*	
		For >50 To 100, Deduct	*-30.02*	
		For >100, Deduct	*-43.81*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	327.95	82.35
		For Stave Lumber Core (SLC), Add	*122.44*	
		For Structural Composite Lumber Core (SCLC), Add	*73.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*195.90*	
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-45.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.52	82.35
		For Stave Lumber Core (SLC), Add	*123.62*	
		For Structural Composite Lumber Core (SCLC), Add	*74.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.78*	
		For >25 To 50, Deduct	*-18.95*	
		For >50 To 100, Deduct	*-30.89*	
		For >100, Deduct	*-45.31*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	338.28	85.93
		For Stave Lumber Core (SLC), Add	*124.82*	
		For Structural Composite Lumber Core (SCLC), Add	*74.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.70*	
		For >25 To 50, Deduct	*-19.55*	
		For >50 To 100, Deduct	*-31.75*	
		For >100, Deduct	*-46.45*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	356.61	85.93
		For Stave Lumber Core (SLC), Add	*138.56*	
		For Structural Composite Lumber Core (SCLC), Add	*83.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.70*	
		For >25 To 50, Deduct	*-20.28*	
		For >50 To 100, Deduct	*-33.35*	
		For >100, Deduct	*-49.20*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	397.27	89.51
		For Stave Lumber Core (SLC), Add	*163.69*	
		For Structural Composite Lumber Core (SCLC), Add	*98.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.90*	
		For >25 To 50, Deduct	*-22.16*	
		For >50 To 100, Deduct	*-37.00*	
		For >100, Deduct	*-55.12*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	408.19	89.51
		For Stave Lumber Core (SLC), Add	*171.88*	
		For Structural Composite Lumber Core (SCLC), Add	*103.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*123.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*171.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.00*	
		For >25 To 50, Deduct	*-22.59*	
		For >50 To 100, Deduct	*-37.95*	
		For >100, Deduct	*-56.75*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	430.01	89.51
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.19*	
		For >25 To 50, Deduct	*-23.47*	
		For >50 To 100, Deduct	*-39.86*	
		For >100, Deduct	*-60.03*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.39	78.77
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-31.05*	
		For >100, Deduct	*-45.92*	
		For 9' Door Height, Add	*36.72*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.39	78.77
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-31.05*	
		For >100, Deduct	*-45.92*	
		For 9' Door Height, Add	*36.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.68	82.35
		For Stave Lumber Core (SLC), Add	*138.74*	
		For Structural Composite Lumber Core (SCLC), Add	*83.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.98*	
		For >25 To 50, Deduct	*-19.75*	
		For >50 To 100, Deduct	*-32.66*	
		For >100, Deduct	*-48.33*	
		For 9' Door Height, Add	*38.85*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	359.80	82.35
		For Stave Lumber Core (SLC), Add	*146.33*	
		For Structural Composite Lumber Core (SCLC), Add	*87.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*234.12*	
		For >25 To 50, Deduct	*-20.16*	
		For >50 To 100, Deduct	*-33.54*	
		For >100, Deduct	*-49.85*	
		For 9' Door Height, Add	*40.97*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	361.67	82.35
		For Stave Lumber Core (SLC), Add	*147.73*	
		For Structural Composite Lumber Core (SCLC), Add	*88.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.36*	
		For >25 To 50, Deduct	*-20.23*	
		For >50 To 100, Deduct	*-33.70*	
		For >100, Deduct	*-50.13*	
		For 9' Door Height, Add	*41.36*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	370.74	85.93
		For Stave Lumber Core (SLC), Add	*149.16*	
		For Structural Composite Lumber Core (SCLC), Add	*89.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.66*	
		For >25 To 50, Deduct	*-20.84*	
		For >50 To 100, Deduct	*-34.59*	
		For >100, Deduct	*-51.31*	
		For 9' Door Height, Add	*41.76*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	392.64	85.93
		For Stave Lumber Core (SLC), Add	*165.59*	
		For Structural Composite Lumber Core (SCLC), Add	*99.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*165.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*264.94*	
		For >25 To 50, Deduct	*-21.72*	
		For >50 To 100, Deduct	*-36.50*	
		For >100, Deduct	*-54.60*	
		For 9' Door Height, Add	*46.36*	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	439.82	89.51
		For Stave Lumber Core (SLC), Add	*195.60*	
		For Structural Composite Lumber Core (SCLC), Add	*117.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.96*	
		For >25 To 50, Deduct	*-23.86*	
		For >50 To 100, Deduct	*-40.72*	
		For >100, Deduct	*-61.50*	
		For 9' Door Height, Add	*54.77*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	452.88	89.51
		For Stave Lumber Core (SLC), Add	*205.40*	
		For Structural Composite Lumber Core (SCLC), Add	*123.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*147.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.63*	
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-41.86*	
		For >100, Deduct	*-63.46*	
		For 9' Door Height, Add	*57.51*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0626		EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	478.95	89.51
			For Stave Lumber Core (SLC), Add	*224.95*	
			For Structural Composite Lumber Core (SCLC), Add	*134.97*	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.99*	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.96*	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*224.95*	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*359.92*	
			For >25 To 50, Deduct	*-25.42*	
			For >50 To 100, Deduct	*-44.15*	
			For >100, Deduct	*-67.37*	
			For 9' Door Height, Add	*62.99*	

08 14 16 00-0627 2-1/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

08 14 16 00-0628 Birch Faced Wood Doors *(08 14 16 00-0627)*

08 14 16 00-0629		EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	400.06	78.77
08 14 16 00-0630		EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	400.06	78.77
08 14 16 00-0631		EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	419.90	82.35
08 14 16 00-0632		EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	430.52	82.35
08 14 16 00-0633		EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	437.65	82.35
08 14 16 00-0634		EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	451.85	85.93
08 14 16 00-0635		EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	482.65	85.93
08 14 16 00-0636		EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	556.35	89.51
08 14 16 00-0637		EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	575.24	89.51
08 14 16 00-0638		EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	627.27	96.67
08 14 16 00-0639		EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	414.17	78.77
08 14 16 00-0640		EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	414.17	78.77
08 14 16 00-0641		EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	434.74	82.35
08 14 16 00-0642		EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	446.00	82.35
08 14 16 00-0643		EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	453.52	82.35
08 14 16 00-0644		EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	468.14	85.93
08 14 16 00-0645		EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	500.73	85.93
08 14 16 00-0646		EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	578.31	89.51
08 14 16 00-0647		EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	598.29	89.51
08 14 16 00-0648		EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	652.53	96.67
08 14 16 00-0649		EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.50	78.77
08 14 16 00-0650		EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.50	78.77
08 14 16 00-0651		EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	488.76	82.35
08 14 16 00-0652		EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	502.26	82.35
08 14 16 00-0653		EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	511.29	82.35
08 14 16 00-0654		EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	527.39	85.93
08 14 16 00-0655		EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	566.51	85.93
08 14 16 00-0656		EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	658.18	89.51
08 14 16 00-0657		EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	682.16	89.51
08 14 16 00-0658		EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	744.36	96.67

08 14 16 00-0659 Oak Faced Wood Doors *(08 14 16 00-0627)*

08 14 16 00-0660		EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	674.39	78.77
08 14 16 00-0661		EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	674.39	78.77
08 14 16 00-0662		EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	681.55	82.35
08 14 16 00-0663		EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	686.91	82.35
08 14 16 00-0664		EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	689.30	82.35
08 14 16 00-0665		EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	698.84	85.93
08 14 16 00-0666		EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	756.76	85.93
08 14 16 00-0667		EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	912.97	89.51
08 14 16 00-0668		EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	950.17	89.51
08 14 16 00-0669		EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,037.40	96.67
08 14 16 00-0670		EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	704.49	78.77
08 14 16 00-0671		EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	704.49	78.77
08 14 16 00-0672		EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	711.65	82.35
08 14 16 00-0673		EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	717.29	82.35
08 14 16 00-0674		EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	719.83	82.35
08 14 16 00-0675		EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	729.53	85.93
08 14 16 00-0676		EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	790.79	85.93
08 14 16 00-0677		EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	955.69	89.51
08 14 16 00-0678		EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	995.04	89.51
08 14 16 00-0679		EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,086.51	96.67
08 14 16 00-0680		EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.87	78.77
08 14 16 00-0681		EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.87	78.77
08 14 16 00-0682		EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	821.03	82.35
08 14 16 00-0683		EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	827.82	82.35
08 14 16 00-0684		EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	830.84	82.35
08 14 16 00-0685		EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	841.05	85.93
08 14 16 00-0686		EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	914.58	85.93
08 14 16 00-0687		EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,111.01	89.51
08 14 16 00-0688		EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,158.25	89.51
08 14 16 00-0689		EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,265.13	96.67

08 14 16 00-0690 Maple Faced Wood Doors *(08 14 16 00-0627)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0691	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	594.11	78.77
08 14 16 00-0692	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	594.11	78.77
08 14 16 00-0693	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	601.27	82.35
08 14 16 00-0694	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	605.80	82.35
08 14 16 00-0695	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	607.81	82.35
08 14 16 00-0696	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	616.98	85.93
08 14 16 00-0697	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	665.89	85.93
08 14 16 00-0698	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	767.95	89.51
08 14 16 00-0699	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	829.97	89.51
08 14 16 00-0700	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	891.98	89.51
08 14 16 00-0701	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.52	78.77
08 14 16 00-0702	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.52	78.77
08 14 16 00-0703	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	626.68	82.35
08 14 16 00-0704	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	631.45	82.35
08 14 16 00-0705	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	633.58	82.35
08 14 16 00-0706	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	642.89	85.93
08 14 16 00-0707	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	694.65	85.93
08 14 16 00-0708	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	802.24	89.51
08 14 16 00-0709	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	868.42	89.51
08 14 16 00-0710	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	933.45	89.51
08 14 16 00-0711	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	711.90	78.77
08 14 16 00-0712	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	711.90	78.77
08 14 16 00-0713	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	719.06	82.35
08 14 16 00-0714	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	724.79	82.35
08 14 16 00-0715	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	727.36	82.35
08 14 16 00-0716	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	737.10	85.93
08 14 16 00-0717	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	799.19	85.93
08 14 16 00-0718	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	926.86	89.51
08 14 16 00-0719	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	1,005.63	89.51
08 14 16 00-0720	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	1,084.33	89.51
08 14 16 00-0721		**1-3/8" Thick, Wood French Doors** *(08 14 16)*		
08 14 16 00-0722	EA	2'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	350.75	75.19
08 14 16 00-0723	EA	2'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	374.85	78.77
08 14 16 00-0724	EA	3'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	406.10	85.93
08 14 16 00-0725	EA	3'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	455.57	89.51
08 14 16 00-0726		**1-3/4" Thick, Particleboard Core (PC), Wood Dutch Doors** *(08 14 16)*		
08 14 16 00-0727		**Birch Faced Dutch Door With Single Shelf** *(08 14 16 00-0726)*		
08 14 16 00-0728	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	442.85	82.35
08 14 16 00-0729	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	456.15	82.35
08 14 16 00-0730	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	462.00	82.35
08 14 16 00-0731	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	484.05	85.93
08 14 16 00-0732	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	518.47	85.93
08 14 16 00-0733	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	584.96	89.51
08 14 16 00-0734	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	600.49	89.51
08 14 16 00-0735	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	631.54	89.51
08 14 16 00-0736		**Birch Faced Dutch Door With Double Shelf** *(08 14 16 00-0726)*		
08 14 16 00-0737	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	510.97	82.35
08 14 16 00-0738	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	528.79	82.35
08 14 16 00-0739	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	534.64	82.35
08 14 16 00-0740	EA	3'-0 x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	565.79	85.93
08 14 16 00-0741	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	609.32	85.93
08 14 16 00-0742	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	680.33	89.51
08 14 16 00-0743	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	695.85	89.51
08 14 16 00-0744	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	726.90	89.51
08 14 16 00-0745		**Oak Faced Dutch Door With Single Shelf** *(08 14 16 00-0726)*		
08 14 16 00-0746	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	658.24	82.35
08 14 16 00-0747	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	667.15	82.35
08 14 16 00-0748	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	687.36	85.93
08 14 16 00-0749	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	744.07	85.93
08 14 16 00-0750	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	878.47	89.51
08 14 16 00-0751		**Oak Faced Dutch Door With Double Shelf** *(08 14 16 00-0726)*		
08 14 16 00-0752	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	726.35	82.35
08 14 16 00-0753	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	739.80	82.35
08 14 16 00-0754	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	769.10	85.93
08 14 16 00-0755	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	834.92	85.93
08 14 16 00-0756	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	973.83	89.51
08 14 16 00-0757		**Manufacturer Prefinished Options For Flush Wood Doors** *(08 14 16)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0758	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	78.30	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	
08 14 16 00-0759	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	117.45	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	749.82	176.16
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	804.37	193.35
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	867.68	213.40
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	905.07	220.56
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	972.49	242.75
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	1,046.21	250.63

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.45	78.77
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-19.41*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-48.18*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.45	78.77
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-19.41*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-48.18*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	365.06	82.35
		For Structural Composite Lumber Core (SCLC), Add	*90.16*	
		For 5 Ply Construction, Add	*7.01*	
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-34.00*	
		For >100, Deduct	*-50.64*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	375.50	82.35
		For Structural Composite Lumber Core (SCLC), Add	*94.86*	
		For 5 Ply Construction, Add	*7.38*	
		For >25 To 50, Deduct	*-20.78*	
		For >50 To 100, Deduct	*-34.92*	
		For >100, Deduct	*-52.21*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	380.78	82.35
		For Structural Composite Lumber Core (SCLC), Add	*97.24*	
		For 5 Ply Construction, Add	*7.56*	
		For >25 To 50, Deduct	*-21.00*	
		For >50 To 100, Deduct	*-35.38*	
		For >100, Deduct	*-53.00*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	393.18	85.93
		For Structural Composite Lumber Core (SCLC), Add	*99.59*	
		For 5 Ply Construction, Add	*7.75*	
		For >25 To 50, Deduct	*-21.74*	
		For >50 To 100, Deduct	*-36.55*	
		For >100, Deduct	*-54.68*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	417.51	85.93
		For Structural Composite Lumber Core (SCLC), Add	*110.54*	
		For 5 Ply Construction, Add	*8.60*	
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-38.68*	
		For >100, Deduct	*-58.33*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	440.39	89.51
		For Structural Composite Lumber Core (SCLC), Add	*117.62*	
		For 5 Ply Construction, Add	*9.15*	
		For >25 To 50, Deduct	*-23.88*	
		For >50 To 100, Deduct	*-40.77*	
		For >100, Deduct	*-61.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	358.51	78.77
		For Structural Composite Lumber Core (SCLC), Add	*90.44*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-19.85*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.84*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	358.50	78.77
		For Structural Composite Lumber Core (SCLC), Add	*90.43*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-19.85*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.84*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	376.72	82.35
		For Structural Composite Lumber Core (SCLC), Add	*95.41*	
		For 5 Ply Construction, Add	*7.42*	
		For >25 To 50, Deduct	*-20.83*	
		For >50 To 100, Deduct	*-35.02*	
		For >100, Deduct	*-52.39*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	387.77	82.35
		For Structural Composite Lumber Core (SCLC), Add	*100.38*	
		For 5 Ply Construction, Add	*7.81*	
		For >25 To 50, Deduct	*-21.28*	
		For >50 To 100, Deduct	*-35.99*	
		For >100, Deduct	*-54.05*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	393.34	82.35
		For Structural Composite Lumber Core (SCLC), Add	*102.89*	
		For 5 Ply Construction, Add	*8.00*	
		For >25 To 50, Deduct	*-21.50*	
		For >50 To 100, Deduct	*-36.48*	
		For >100, Deduct	*-54.88*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	406.06	85.93
		For Structural Composite Lumber Core (SCLC), Add	*105.39*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-22.26*	
		For >50 To 100, Deduct	*-37.68*	
		For >100, Deduct	*-56.61*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	431.81	85.93
		For Structural Composite Lumber Core (SCLC), Add	*116.98*	
		For 5 Ply Construction, Add	*9.10*	
		For >25 To 50, Deduct	*-23.29*	
		For >50 To 100, Deduct	*-39.93*	
		For >100, Deduct	*-60.48*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	455.60	89.51
		For Structural Composite Lumber Core (SCLC), Add	*124.46*	
		For 5 Ply Construction, Add	*9.68*	
		For >25 To 50, Deduct	*-24.49*	
		For >50 To 100, Deduct	*-42.10*	
		For >100, Deduct	*-63.86*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.69	78.77
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-21.42*	
		For >50 To 100, Deduct	*-36.77*	
		For >100, Deduct	*-55.72*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.69	78.77
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-21.42*	
		For >50 To 100, Deduct	*-36.77*	
		For >100, Deduct	*-55.72*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	418.07	82.35
		For Structural Composite Lumber Core (SCLC), Add	*114.02*	
		For 5 Ply Construction, Add	*8.87*	
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-38.64*	
		For >100, Deduct	*-58.59*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	431.28	82.35
		For Structural Composite Lumber Core (SCLC), Add	*119.96*	
		For 5 Ply Construction, Add	*9.33*	
		For >25 To 50, Deduct	*-23.02*	
		For >50 To 100, Deduct	*-39.80*	
		For >100, Deduct	*-60.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	437.93	82.35
		For Structural Composite Lumber Core (SCLC), Add	*122.95*	
		For 5 Ply Construction, Add	*9.56*	
		For >25 To 50, Deduct	*-23.28*	
		For >50 To 100, Deduct	*-40.38*	
		For >100, Deduct	*-61.57*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	451.73	85.93
		For Structural Composite Lumber Core (SCLC), Add	*125.94*	
		For 5 Ply Construction, Add	*9.80*	
		For >25 To 50, Deduct	*-24.08*	
		For >50 To 100, Deduct	*-41.67*	
		For >100, Deduct	*-63.46*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	482.49	85.93
		For Structural Composite Lumber Core (SCLC), Add	*139.78*	
		For 5 Ply Construction, Add	*10.87*	
		For >25 To 50, Deduct	*-25.31*	
		For >50 To 100, Deduct	*-44.37*	
		For >100, Deduct	*-68.08*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	509.53	89.51
		For Structural Composite Lumber Core (SCLC), Add	*148.73*	
		For 5 Ply Construction, Add	*11.57*	
		For >25 To 50, Deduct	*-26.65*	
		For >50 To 100, Deduct	*-46.82*	
		For >100, Deduct	*-71.95*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.10	78.77
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.67*	
		For Structural Composite Lumber Core (SCLC), Add	*145.60*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.27*	
		For >25 To 50, Deduct	*-24.76*	
		For >50 To 100, Deduct	*-44.07*	
		For >100, Deduct	*-68.23*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.08	78.77
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.66*	
		For Structural Composite Lumber Core (SCLC), Add	*145.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.25*	
		For >25 To 50, Deduct	*-24.76*	
		For >50 To 100, Deduct	*-44.06*	
		For >100, Deduct	*-68.22*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.36	82.35
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-25.70*	
		For >50 To 100, Deduct	*-45.67*	
		For >100, Deduct	*-70.64*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.36	82.35
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-25.70*	
		For >50 To 100, Deduct	*-45.67*	
		For >100, Deduct	*-70.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	518.40	82.35
		For 5 Ply Construction, Add	*12.38*	
		For Stave Lumber Core (SLC), Add	*265.28*	
		For Structural Composite Lumber Core (SCLC), Add	*159.17*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*610.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*424.44*	
		For >25 To 50, Deduct	*-26.50*	
		For >50 To 100, Deduct	*-47.42*	
		For >100, Deduct	*-73.64*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	545.60	85.93
		For 5 Ply Construction, Add	*13.08*	
		For Stave Lumber Core (SLC), Add	*280.31*	
		For Structural Composite Lumber Core (SCLC), Add	*168.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*644.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*201.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*448.49*	
		For >25 To 50, Deduct	*-27.84*	
		For >50 To 100, Deduct	*-49.89*	
		For >100, Deduct	*-77.54*	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.08	85.93
		For 5 Ply Construction, Add	*13.80*	
		For Stave Lumber Core (SLC), Add	*295.67*	
		For Structural Composite Lumber Core (SCLC), Add	*177.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.06*	
		For >25 To 50, Deduct	*-28.66*	
		For >50 To 100, Deduct	*-51.68*	
		For >100, Deduct	*-80.62*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	583.47	89.51
		For 5 Ply Construction, Add	*14.16*	
		For Stave Lumber Core (SLC), Add	*303.34*	
		For Structural Composite Lumber Core (SCLC), Add	*182.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*697.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*218.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*303.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*485.34*	
		For >25 To 50, Deduct	*-29.60*	
		For >50 To 100, Deduct	*-53.29*	
		For >100, Deduct	*-83.05*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	603.68	89.51
		For 5 Ply Construction, Add	*14.86*	
		For Stave Lumber Core (SLC), Add	*318.50*	
		For Structural Composite Lumber Core (SCLC), Add	*191.10*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*732.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*509.59*	
		For >25 To 50, Deduct	*-30.41*	
		For >50 To 100, Deduct	*-55.06*	
		For >100, Deduct	*-86.08*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	658.46	96.67
		For 5 Ply Construction, Add	*16.28*	
		For Stave Lumber Core (SLC), Add	*348.83*	
		For Structural Composite Lumber Core (SCLC), Add	*209.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*802.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*251.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*348.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*558.13*	
		For >25 To 50, Deduct	*-33.11*	
		For >50 To 100, Deduct	*-60.03*	
		For >100, Deduct	*-93.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	499.93	78.77
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.79*	
		For Structural Composite Lumber Core (SCLC), Add	*154.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.87*	
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-45.71*	
		For >100, Deduct	*-71.05*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	499.91	78.77
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.78*	
		For Structural Composite Lumber Core (SCLC), Add	*154.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.84*	
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-45.71*	
		For >100, Deduct	*-71.05*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	517.79	82.35
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-26.48*	
		For >50 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-73.55*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	517.79	82.35
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-26.48*	
		For >50 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-73.55*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	538.99	82.35
		For 5 Ply Construction, Add	*13.10*	
		For Stave Lumber Core (SLC), Add	*280.72*	
		For Structural Composite Lumber Core (SCLC), Add	*168.43*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*645.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.15*	
		For >25 To 50, Deduct	*-27.32*	
		For >50 To 100, Deduct	*-49.22*	
		For >100, Deduct	*-76.73*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	567.36	85.93
		For 5 Ply Construction, Add	*13.84*	
		For Stave Lumber Core (SLC), Add	*296.63*	
		For Structural Composite Lumber Core (SCLC), Add	*177.98*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*682.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*474.60*	
		For >25 To 50, Deduct	*-28.71*	
		For >50 To 100, Deduct	*-51.79*	
		For >100, Deduct	*-80.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	589.01	85.93
		For 5 Ply Construction, Add	*14.60*	
		For Stave Lumber Core (SLC), Add	*312.86*	
		For Structural Composite Lumber Core (SCLC), Add	*187.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*719.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*500.58*	
		For >25 To 50, Deduct	*-29.58*	
		For >50 To 100, Deduct	*-53.69*	
		For >100, Deduct	*-84.06*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	607.00	89.51
		For 5 Ply Construction, Add	*14.98*	
		For Stave Lumber Core (SLC), Add	*320.99*	
		For Structural Composite Lumber Core (SCLC), Add	*192.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*738.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*513.58*	
		For >25 To 50, Deduct	*-30.55*	
		For >50 To 100, Deduct	*-55.35*	
		For >100, Deduct	*-86.57*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	628.40	89.51
		For 5 Ply Construction, Add	*15.73*	
		For Stave Lumber Core (SLC), Add	*337.04*	
		For Structural Composite Lumber Core (SCLC), Add	*202.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*775.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*337.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*539.26*	
		For >25 To 50, Deduct	*-31.40*	
		For >50 To 100, Deduct	*-57.22*	
		For >100, Deduct	*-89.78*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	685.53	96.67
		For 5 Ply Construction, Add	*17.23*	
		For Stave Lumber Core (SLC), Add	*369.14*	
		For Structural Composite Lumber Core (SCLC), Add	*221.48*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*849.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*265.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*369.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*590.62*	
		For >25 To 50, Deduct	*-34.19*	
		For >50 To 100, Deduct	*-62.40*	
		For >100, Deduct	*-98.00*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.70	78.77
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.87*	
		For Structural Composite Lumber Core (SCLC), Add	*184.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.99*	
		For >25 To 50, Deduct	*-28.18*	
		For >50 To 100, Deduct	*-51.56*	
		For >100, Deduct	*-81.07*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.68	78.77
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.86*	
		For Structural Composite Lumber Core (SCLC), Add	*184.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.97*	
		For >25 To 50, Deduct	*-28.18*	
		For >50 To 100, Deduct	*-51.55*	
		For >100, Deduct	*-81.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	586.64	82.35
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-29.23*	
		For >50 To 100, Deduct	*-53.39*	
		For >100, Deduct	*-83.88*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	586.64	82.35
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-29.23*	
		For >50 To 100, Deduct	*-53.39*	
		For >100, Deduct	*-83.88*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	611.97	82.35
		For 5 Ply Construction, Add	*15.65*	
		For Stave Lumber Core (SLC), Add	*335.45*	
		For Structural Composite Lumber Core (SCLC), Add	*201.27*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*771.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.72*	
		For >25 To 50, Deduct	*-30.24*	
		For >50 To 100, Deduct	*-55.61*	
		For >100, Deduct	*-87.68*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	644.48	85.93
		For 5 Ply Construction, Add	*16.54*	
		For Stave Lumber Core (SLC), Add	*354.47*	
		For Structural Composite Lumber Core (SCLC), Add	*212.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*815.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.14*	
		For >25 To 50, Deduct	*-31.79*	
		For >50 To 100, Deduct	*-58.54*	
		For >100, Deduct	*-92.38*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	670.36	85.93
		For 5 Ply Construction, Add	*17.45*	
		For Stave Lumber Core (SLC), Add	*373.88*	
		For Structural Composite Lumber Core (SCLC), Add	*224.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*859.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*373.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.20*	
		For >25 To 50, Deduct	*-32.83*	
		For >50 To 100, Deduct	*-60.80*	
		For >100, Deduct	*-96.26*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	690.46	89.51
		For 5 Ply Construction, Add	*17.90*	
		For Stave Lumber Core (SLC), Add	*383.58*	
		For Structural Composite Lumber Core (SCLC), Add	*230.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*882.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*276.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*383.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*613.73*	
		For >25 To 50, Deduct	*-33.88*	
		For >50 To 100, Deduct	*-62.65*	
		For >100, Deduct	*-99.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	716.02	89.51
		For 5 Ply Construction, Add	*18.80*	
		For Stave Lumber Core (SLC), Add	*402.75*	
		For Structural Composite Lumber Core (SCLC), Add	*241.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*926.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*402.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*644.40*	
		For >25 To 50, Deduct	*-34.91*	
		For >50 To 100, Deduct	*-64.89*	
		For >100, Deduct	*-102.93*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	781.50	96.67
		For 5 Ply Construction, Add	*20.59*	
		For Stave Lumber Core (SLC), Add	*441.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,014.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*317.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*705.78*	
		For >25 To 50, Deduct	*-38.03*	
		For >50 To 100, Deduct	*-70.80*	
		For >100, Deduct	*-112.39*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.57	78.77
		For >25 To 50, Deduct	*-15.82*	
		For >50 To 100, Deduct	*-24.51*	
		For >100, Deduct	*-34.70*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.57	78.77
		For >25 To 50, Deduct	*-15.82*	
		For >50 To 100, Deduct	*-24.51*	
		For >100, Deduct	*-34.70*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.02	82.35
		For >25 To 50, Deduct	*-16.65*	
		For >50 To 100, Deduct	*-25.86*	
		For >100, Deduct	*-36.69*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.50	82.35
		For >25 To 50, Deduct	*-16.78*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.21*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.94	82.35
		For >25 To 50, Deduct	*-16.92*	
		For >50 To 100, Deduct	*-26.47*	
		For >100, Deduct	*-37.72*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.58	85.93
		For >25 To 50, Deduct	*-17.60*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-39.14*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.50	85.93
		For >25 To 50, Deduct	*-18.12*	
		For >50 To 100, Deduct	*-28.62*	
		For >100, Deduct	*-41.08*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	318.03	89.51
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-30.07*	
		For >100, Deduct	*-43.23*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.38	78.77
		For >25 To 50, Deduct	*-16.05*	
		For >50 To 100, Deduct	*-25.02*	
		For >100, Deduct	*-35.57*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.38	78.77
		For >25 To 50, Deduct	*-16.05*	
		For >50 To 100, Deduct	*-25.02*	
		For >100, Deduct	*-35.57*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.27	82.35
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-26.41*	
		For >100, Deduct	*-37.62*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.93	82.35
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-38.17*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.59	82.35
		For >25 To 50, Deduct	*-17.19*	
		For >50 To 100, Deduct	*-27.05*	
		For >100, Deduct	*-38.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.42	85.93
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-40.17*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.09	85.93
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-29.28*	
		For >100, Deduct	*-42.22*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.11	89.51
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-30.77*	
		For >100, Deduct	*-44.44*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.03	78.77
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-38.67*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.03	78.77
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-38.67*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	300.43	82.35
		For >25 To 50, Deduct	*-17.78*	
		For >50 To 100, Deduct	*-28.35*	
		For >100, Deduct	*-40.95*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.79	82.35
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-28.73*	
		For >100, Deduct	*-41.60*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.18	82.35
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-29.11*	
		For >100, Deduct	*-42.26*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.70	85.93
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.21*	
		For >100, Deduct	*-43.81*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.04	85.93
		For >25 To 50, Deduct	*-19.50*	
		For >50 To 100, Deduct	*-31.64*	
		For >100, Deduct	*-46.26*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.79	89.51
		For >25 To 50, Deduct	*-20.46*	
		For >50 To 100, Deduct	*-33.28*	
		For >100, Deduct	*-48.74*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.18	78.77
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-26.66*	
		For >100, Deduct	*-38.39*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.18	78.77
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-26.66*	
		For >100, Deduct	*-38.39*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.78	82.35
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-27.68*	
		For >100, Deduct	*-39.80*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.73	82.35
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.29*	
		For >100, Deduct	*-40.84*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.20	82.35
		For >25 To 50, Deduct	*-17.89*	
		For >50 To 100, Deduct	*-28.59*	
		For >100, Deduct	*-41.36*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	313.78	85.93
		For >25 To 50, Deduct	*-18.57*	
		For >50 To 100, Deduct	*-29.60*	
		For >100, Deduct	*-42.77*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.70	85.93
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-30.30*	
		For >100, Deduct	*-43.96*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.60	89.51
		For >25 To 50, Deduct	*-20.45*	
		For >50 To 100, Deduct	*-33.27*	
		For >100, Deduct	*-48.71*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.38	89.51
		For >25 To 50, Deduct	*-20.80*	
		For >50 To 100, Deduct	*-34.03*	
		For >100, Deduct	*-50.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.96	89.51
		For >25 To 50, Deduct	*-21.50*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-52.67*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.42	78.77
		For >25 To 50, Deduct	*-17.09*	
		For >50 To 100, Deduct	*-27.29*	
		For >100, Deduct	*-39.47*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.42	78.77
		For >25 To 50, Deduct	*-17.09*	
		For >50 To 100, Deduct	*-27.29*	
		For >100, Deduct	*-39.47*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	300.24	82.35
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.33*	
		For >100, Deduct	*-40.92*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	307.59	82.35
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-28.97*	
		For >100, Deduct	*-42.02*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.25	82.35
		For >25 To 50, Deduct	*-18.21*	
		For >50 To 100, Deduct	*-29.29*	
		For >100, Deduct	*-42.57*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	322.05	85.93
		For >25 To 50, Deduct	*-18.90*	
		For >50 To 100, Deduct	*-30.33*	
		For >100, Deduct	*-44.01*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.42	85.93
		For >25 To 50, Deduct	*-19.23*	
		For >50 To 100, Deduct	*-31.06*	
		For >100, Deduct	*-45.27*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	364.83	89.51
		For >25 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-34.16*	
		For >100, Deduct	*-50.25*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	374.12	89.51
		For >25 To 50, Deduct	*-21.23*	
		For >50 To 100, Deduct	*-34.97*	
		For >100, Deduct	*-51.64*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	392.70	89.51
		For >25 To 50, Deduct	*-21.97*	
		For >50 To 100, Deduct	*-36.60*	
		For >100, Deduct	*-54.43*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.13	78.77
		For >25 To 50, Deduct	*-18.12*	
		For >50 To 100, Deduct	*-29.54*	
		For >100, Deduct	*-43.33*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.13	78.77
		For >25 To 50, Deduct	*-18.12*	
		For >50 To 100, Deduct	*-29.54*	
		For >100, Deduct	*-43.33*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.68	82.35
		For >25 To 50, Deduct	*-18.83*	
		For >50 To 100, Deduct	*-30.64*	
		For >100, Deduct	*-44.88*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.46	82.35
		For >25 To 50, Deduct	*-19.18*	
		For >50 To 100, Deduct	*-31.41*	
		For >100, Deduct	*-46.20*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.82	82.35
		For >25 To 50, Deduct	*-19.36*	
		For >50 To 100, Deduct	*-31.79*	
		For >100, Deduct	*-46.86*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.34	85.93
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-32.89*	
		For >100, Deduct	*-48.40*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	361.33	85.93
		For >25 To 50, Deduct	*-20.47*	
		For >50 To 100, Deduct	*-33.76*	
		For >100, Deduct	*-49.90*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	401.07	89.51
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-37.33*	
		For >100, Deduct	*-55.69*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	412.16	89.51
		For >25 To 50, Deduct	*-22.75*	
		For >50 To 100, Deduct	*-38.30*	
		For >100, Deduct	*-57.35*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	434.38	89.51
		For >25 To 50, Deduct	*-23.64*	
		For >50 To 100, Deduct	*-40.25*	
		For >100, Deduct	*-60.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0057		1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*		
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.30	78.77
		For >25 To 50, Deduct	*-17.61*	
		For >50 To 100, Deduct	*-28.42*	
		For >100, Deduct	*-41.41*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.30	78.77
		For >25 To 50, Deduct	*-17.61*	
		For >50 To 100, Deduct	*-28.42*	
		For >100, Deduct	*-41.41*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.87	82.35
		For >25 To 50, Deduct	*-18.48*	
		For >50 To 100, Deduct	*-29.87*	
		For >100, Deduct	*-43.56*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.26	82.35
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.61*	
		For >100, Deduct	*-44.82*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.79	82.35
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-30.74*	
		For >100, Deduct	*-45.05*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.52	85.93
		For >25 To 50, Deduct	*-19.48*	
		For >50 To 100, Deduct	*-31.59*	
		For >100, Deduct	*-46.18*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.68	85.93
		For >25 To 50, Deduct	*-20.20*	
		For >50 To 100, Deduct	*-33.18*	
		For >100, Deduct	*-48.91*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	394.96	89.51
		For >25 To 50, Deduct	*-22.06*	
		For >50 To 100, Deduct	*-36.80*	
		For >100, Deduct	*-54.77*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.74	78.77
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-29.16*	
		For >100, Deduct	*-42.67*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.74	78.77
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-29.16*	
		For >100, Deduct	*-42.67*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.79	82.35
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.65*	
		For >100, Deduct	*-44.90*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.65	82.35
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-31.43*	
		For >100, Deduct	*-46.23*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.29	82.35
		For >25 To 50, Deduct	*-19.26*	
		For >50 To 100, Deduct	*-31.57*	
		For >100, Deduct	*-46.48*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	346.10	85.93
		For >25 To 50, Deduct	*-19.86*	
		For >50 To 100, Deduct	*-32.43*	
		For >100, Deduct	*-47.62*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.33	85.93
		For >25 To 50, Deduct	*-20.63*	
		For >50 To 100, Deduct	*-34.11*	
		For >100, Deduct	*-50.50*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	407.53	89.51
		For >25 To 50, Deduct	*-22.57*	
		For >50 To 100, Deduct	*-37.90*	
		For >100, Deduct	*-56.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.61	78.77
		For >25 To 50, Deduct	*-19.14*	
		For >50 To 100, Deduct	*-31.77*	
		For >100, Deduct	*-47.15*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.61	78.77
		For >25 To 50, Deduct	*-19.14*	
		For >50 To 100, Deduct	*-31.77*	
		For >100, Deduct	*-47.15*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	358.39	82.35
		For >25 To 50, Deduct	*-20.10*	
		For >50 To 100, Deduct	*-33.42*	
		For >100, Deduct	*-49.64*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	368.99	82.35
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-51.23*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	370.94	82.35
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-34.52*	
		For >100, Deduct	*-51.52*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.09	85.93
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-35.41*	
		For >100, Deduct	*-52.72*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	403.06	85.93
		For >25 To 50, Deduct	*-22.14*	
		For >50 To 100, Deduct	*-37.42*	
		For >100, Deduct	*-56.16*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	452.11	89.51
		For >25 To 50, Deduct	*-24.35*	
		For >50 To 100, Deduct	*-41.80*	
		For >100, Deduct	*-63.34*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.44	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-19.09*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-46.98*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.44	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-19.09*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-46.98*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.14	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*331.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.93*	
		For >25 To 50, Deduct	*-20.05*	
		For >50 To 100, Deduct	*-33.31*	
		For >100, Deduct	*-49.45*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.64	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*350.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.53*	
		For >25 To 50, Deduct	*-20.47*	
		For >50 To 100, Deduct	*-34.23*	
		For >100, Deduct	*-51.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	369.60	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*353.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.88*	
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-51.32*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	378.74	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.26*	
		For >25 To 50, Deduct	*-21.16*	
		For >50 To 100, Deduct	*-35.29*	
		For >100, Deduct	*-52.51*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	401.55	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.63*	
		For >25 To 50, Deduct	*-22.08*	
		For >50 To 100, Deduct	*-37.28*	
		For >100, Deduct	*-55.94*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	450.35	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*468.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*146.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*203.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*325.60*	
		For >25 To 50, Deduct	*-24.28*	
		For >50 To 100, Deduct	*-41.64*	
		For >100, Deduct	*-63.08*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	463.93	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.89*	
		For >25 To 50, Deduct	*-24.82*	
		For >50 To 100, Deduct	*-42.83*	
		For >100, Deduct	*-65.11*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	491.04	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*538.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*234.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*374.42*	
		For >25 To 50, Deduct	*-25.91*	
		For >50 To 100, Deduct	*-45.20*	
		For >100, Deduct	*-69.18*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.03	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-48.57*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.03	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-48.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	368.34	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*351.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*244.37*	
		For >25 To 50, Deduct	*-20.50*	
		For >50 To 100, Deduct	*-34.29*	
		For >100, Deduct	*-51.13*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.46	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*370.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*257.71*	
		For >25 To 50, Deduct	*-20.94*	
		For >50 To 100, Deduct	*-35.26*	
		For >100, Deduct	*-52.80*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	381.53	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*374.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*260.20*	
		For >25 To 50, Deduct	*-21.03*	
		For >50 To 100, Deduct	*-35.44*	
		For >100, Deduct	*-53.11*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	390.79	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.72*	
		For >25 To 50, Deduct	*-21.65*	
		For >50 To 100, Deduct	*-36.34*	
		For >100, Deduct	*-54.32*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	414.91	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.66*	
		For >25 To 50, Deduct	*-22.61*	
		For >50 To 100, Deduct	*-38.45*	
		For >100, Deduct	*-57.94*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	466.14	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*495.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*155.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*215.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*344.54*	
		For >25 To 50, Deduct	*-24.91*	
		For >50 To 100, Deduct	*-43.03*	
		For >100, Deduct	*-65.45*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	480.50	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*520.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.78*	
		For >25 To 50, Deduct	*-25.49*	
		For >50 To 100, Deduct	*-44.28*	
		For >100, Deduct	*-67.60*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	509.20	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*569.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*396.22*	
		For >25 To 50, Deduct	*-26.63*	
		For >50 To 100, Deduct	*-46.79*	
		For >100, Deduct	*-71.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	387.56	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-54.20*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	387.56	78.77
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-54.20*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	408.05	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*292.02*	
		For >25 To 50, Deduct	*-22.09*	
		For >50 To 100, Deduct	*-37.76*	
		For >100, Deduct	*-57.09*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	421.36	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*442.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*192.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*307.99*	
		For >25 To 50, Deduct	*-22.62*	
		For >50 To 100, Deduct	*-38.93*	
		For >100, Deduct	*-59.09*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	423.82	82.35
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*446.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.94*	
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-39.14*	
		For >100, Deduct	*-59.46*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	433.49	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*451.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.96*	
		For >25 To 50, Deduct	*-23.35*	
		For >50 To 100, Deduct	*-40.08*	
		For >100, Deduct	*-60.73*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	462.30	85.93
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*501.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*156.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*217.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*348.53*	
		For >25 To 50, Deduct	*-24.51*	
		For >50 To 100, Deduct	*-42.60*	
		For >100, Deduct	*-65.05*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	522.11	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.71*	
		For >25 To 50, Deduct	*-27.15*	
		For >50 To 100, Deduct	*-47.92*	
		For >100, Deduct	*-73.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	539.30	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*621.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*270.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*432.34*	
		For >25 To 50, Deduct	*-27.84*	
		For >50 To 100, Deduct	*-49.43*	
		For >100, Deduct	*-76.42*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	573.59	89.51
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.48*	
		For >25 To 50, Deduct	*-29.21*	
		For >50 To 100, Deduct	*-52.43*	
		For >100, Deduct	*-81.56*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	562.55	206.23
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	594.37	229.15
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	562.55	206.23
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	594.37	229.15

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	544.50	50.12
		For Oak, Add	*122.62*	
		For Ash/Hickory, Add	*178.59*	
		For Walnut, Add	*260.34*	
		For Cherry, Add	*423.38*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	562.42	53.70
		For Oak, Add	*125.59*	
		For Ash/Hickory, Add	*182.92*	
		For Walnut, Add	*266.65*	
		For Cherry, Add	*433.64*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	583.04	57.29
		For Oak, Add	*129.31*	
		For Ash/Hickory, Add	*188.34*	
		For Walnut, Add	*274.54*	
		For Cherry, Add	*446.48*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	598.27	60.87
		For Oak, Add	*131.53*	
		For Ash/Hickory, Add	*191.58*	
		For Walnut, Add	*279.27*	
		For Cherry, Add	*454.17*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	618.93	64.45
		For Oak, Add	*135.25*	
		For Ash/Hickory, Add	*197.00*	
		For Walnut, Add	*287.16*	
		For Cherry, Add	*467.01*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	636.84	68.03
		For Oak, Add	*138.22*	
		For Ash/Hickory, Add	*201.32*	
		For Walnut, Add	*293.47*	
		For Cherry, Add	*477.26*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,067.54	89.51
		For Oak, Add	*245.23*	
		For Ash/Hickory, Add	*357.19*	
		For Walnut, Add	*520.67*	
		For Cherry, Add	*846.76*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,130.32	96.67
		For Oak, Add	*258.61*	
		For Ash/Hickory, Add	*376.67*	
		For Walnut, Add	*549.08*	
		For Cherry, Add	*892.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,209.29	103.84
		For Oak, Add	*276.44*	
		For Ash/Hickory, Add	*402.65*	
		For Walnut, Add	*586.94*	
		For Cherry, Add	*954.53*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	638.74	50.12
		For Oak, Add	*126.01*	
		For Ash/Hickory, Add	*126.01*	
		For Walnut, Add	*207.32*	
		For Cherry, Add	*389.34*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	670.12	53.70
		For Oak, Add	*131.68*	
		For Ash/Hickory, Add	*131.68*	
		For Walnut, Add	*216.65*	
		For Cherry, Add	*406.85*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	693.43	57.29
		For Oak, Add	*135.46*	
		For Ash/Hickory, Add	*135.46*	
		For Walnut, Add	*222.87*	
		For Cherry, Add	*418.54*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	714.05	60.87
		For Oak, Add	*138.61*	
		For Ash/Hickory, Add	*138.61*	
		For Walnut, Add	*228.05*	
		For Cherry, Add	*428.27*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	732.01	64.45
		For Oak, Add	*141.13*	
		For Ash/Hickory, Add	*141.13*	
		For Walnut, Add	*232.20*	
		For Cherry, Add	*436.06*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	755.32	68.03
		For Oak, Add	*144.91*	
		For Ash/Hickory, Add	*144.91*	
		For Walnut, Add	*238.42*	
		For Cherry, Add	*447.74*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,256.02	89.51
		For Oak, Add	*252.02*	
		For Ash/Hickory, Add	*252.02*	
		For Walnut, Add	*414.65*	
		For Cherry, Add	*778.67*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,351.11	96.67
		For Oak, Add	*270.92*	
		For Ash/Hickory, Add	*270.92*	
		For Walnut, Add	*445.75*	
		For Cherry, Add	*837.07*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,446.23	103.84
		For Oak, Add	*289.82*	
		For Ash/Hickory, Add	*289.82*	
		For Walnut, Add	*476.84*	
		For Cherry, Add	*895.47*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	800.29	50.12
		For Oak, Add	*163.81*	
		For Ash/Hickory, Add	*163.81*	
		For Walnut, Add	*269.52*	
		For Cherry, Add	*506.14*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	839.75	53.70
		For Oak, Add	*171.37*	
		For Ash/Hickory, Add	*171.37*	
		For Walnut, Add	*281.96*	
		For Cherry, Add	*529.50*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	863.06	57.29
		For Oak, Add	*175.15*	
		For Ash/Hickory, Add	*175.15*	
		For Walnut, Add	*288.18*	
		For Cherry, Add	*541.18*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	889.06	60.87
		For Oak, Add	*179.56*	
		For Ash/Hickory, Add	*179.56*	
		For Walnut, Add	*295.43*	
		For Cherry, Add	*554.80*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	912.41	64.45
		For Oak, Add	*183.34*	
		For Ash/Hickory, Add	*183.34*	
		For Walnut, Add	*301.66*	
		For Cherry, Add	*566.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	935.71	68.03
		For Oak, Add	*187.12*	
		For Ash/Hickory, Add	*187.12*	
		For Walnut, Add	*307.87*	
		For Cherry, Add	*578.16*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,579.12	89.51
		For Oak, Add	*327.62*	
		For Ash/Hickory, Add	*327.62*	
		For Walnut, Add	*539.04*	
		For Cherry, Add	*1,012.27*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,690.36	96.67
		For Oak, Add	*350.31*	
		For Ash/Hickory, Add	*350.31*	
		For Walnut, Add	*576.36*	
		For Cherry, Add	*1,082.35*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,807.02	103.84
		For Oak, Add	*374.25*	
		For Ash/Hickory, Add	*374.25*	
		For Walnut, Add	*615.75*	
		For Cherry, Add	*1,156.32*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	854.14	50.12
		For Oak, Add	*176.41*	
		For Ash/Hickory, Add	*176.41*	
		For Walnut, Add	*290.25*	
		For Cherry, Add	*545.07*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	898.99	53.70
		For Oak, Add	*185.23*	
		For Ash/Hickory, Add	*185.23*	
		For Walnut, Add	*304.77*	
		For Cherry, Add	*572.33*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	924.98	57.29
		For Oak, Add	*189.64*	
		For Ash/Hickory, Add	*189.64*	
		For Walnut, Add	*312.02*	
		For Cherry, Add	*585.95*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	950.99	60.87
		For Oak, Add	*194.05*	
		For Ash/Hickory, Add	*194.05*	
		For Walnut, Add	*319.28*	
		For Cherry, Add	*599.58*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	974.33	64.45
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,000.33	68.03
		For Oak, Add	*202.24*	
		For Ash/Hickory, Add	*202.24*	
		For Walnut, Add	*332.75*	
		For Cherry, Add	*624.88*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,686.82	89.51
		For Oak, Add	*352.83*	
		For Ash/Hickory, Add	*352.83*	
		For Walnut, Add	*580.50*	
		For Cherry, Add	*1,090.14*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,814.21	96.67
		For Oak, Add	*379.29*	
		For Ash/Hickory, Add	*379.29*	
		For Walnut, Add	*624.04*	
		For Cherry, Add	*1,171.90*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,936.26	103.84
		For Oak, Add	*404.49*	
		For Ash/Hickory, Add	*404.49*	
		For Walnut, Add	*665.50*	
		For Cherry, Add	*1,249.76*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	907.99	50.12
		For Oak, Add	*189.01*	
		For Ash/Hickory, Add	*189.01*	
		For Walnut, Add	*310.98*	
		For Cherry, Add	*584.00*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.83	53.70
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	981.52	57.29
		For Oak, Add	*202.87*	
		For Ash/Hickory, Add	*202.87*	
		For Walnut, Add	*333.79*	
		For Cherry, Add	*626.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,010.22	60.87
		For Oak, Add	*207.91*	
		For Ash/Hickory, Add	*207.91*	
		For Walnut, Add	*342.08*	
		For Cherry, Add	*642.40*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,033.57	64.45
		For Oak, Add	*211.70*	
		For Ash/Hickory, Add	*211.70*	
		For Walnut, Add	*348.30*	
		For Cherry, Add	*654.08*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,062.26	68.03
		For Oak, Add	*216.74*	
		For Ash/Hickory, Add	*216.74*	
		For Walnut, Add	*356.59*	
		For Cherry, Add	*669.66*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,794.52	89.51
		For Oak, Add	*378.03*	
		For Ash/Hickory, Add	*378.03*	
		For Walnut, Add	*621.97*	
		For Cherry, Add	*1,168.01*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,927.30	96.67
		For Oak, Add	*405.75*	
		For Ash/Hickory, Add	*405.75*	
		For Walnut, Add	*667.58*	
		For Cherry, Add	*1,253.66*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,060.12	103.84
		For Oak, Add	*433.47*	
		For Ash/Hickory, Add	*433.47*	
		For Walnut, Add	*713.19*	
		For Cherry, Add	*1,339.31*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	158.08	
		For Oak, Add	*9.77*	
		For Ash/Hickory, Add	*15.31*	
		For Walnut, Add	*33.46*	
		For Cherry, Add	*53.01*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	160.86	
		For Oak, Add	*10.09*	
		For Ash/Hickory, Add	*15.80*	
		For Walnut, Add	*34.54*	
		For Cherry, Add	*54.71*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	178.99	
		For Oak, Add	*12.13*	
		For Ash/Hickory, Add	*19.01*	
		For Walnut, Add	*41.56*	
		For Cherry, Add	*65.82*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	315.43	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	318.03	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	323.23	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	372.64	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	375.24	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	380.44	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	398.64	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	401.24	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	406.44	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	47.48	

08 14 73 00-0071 Bi-Pass Doors *(08 14 73)*

Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	510.01	114.52
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	559.45	121.68
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	609.48	128.84
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	828.40	135.99

08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	477.46	114.52
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	508.70	121.68
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	553.62	128.84
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	763.30	135.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0082		**Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	510.92	114.52
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	557.19	121.68
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	605.72	128.84
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	830.23	135.99
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		Bi-Fold Wood Doors *(08 14 76)* Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	251.44	85.89
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	265.75	93.04
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	285.39	100.21
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	299.70	107.36
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	381.93	114.52
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	396.25	121.68
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	421.84	128.84
08 14 76 00-0010		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	264.44	85.89
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	283.02	93.04
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	305.52	100.21
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	319.83	107.36
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	409.76	114.52
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	439.63	121.68
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	471.14	128.84
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	265.05	85.89
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	291.35	93.04
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	313.20	100.21
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	327.51	107.36
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	416.48	114.52
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	433.49	121.68
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	471.14	128.84
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	651.43	85.89
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	743.23	93.04
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	847.62	100.21
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	861.93	107.36
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,188.32	114.52
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,357.64	121.68
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,552.09	128.84
08 14 76 00-0034		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	829.46	85.89
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	900.32	93.04
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	983.76	100.21
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	998.07	107.36
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,544.39	114.52
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,671.82	121.68
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,824.37	128.84
08 14 76 00-0042		Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	256.02	85.89
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	275.67	93.04
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	301.31	100.21
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	306.08	107.36
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	374.39	114.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	403.67	121.68
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	450.29	128.84

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,688.40	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,937.09	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,315.77	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,688.40	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,035.34	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,420.16	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,467.23	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.58	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.55	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,212.30	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,467.23	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.58	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.55	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,212.30	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0032 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0033 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,467.23	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.58	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,376.15	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.55	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,212.30	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0041		**Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** *(08 16 13 00-0003)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		**6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,899.23	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0044		**7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** *(08 16 13 00-0041)*		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,899.23	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0046		**Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf)** *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.53	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.70	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.35	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.51	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	14.33	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	18.42	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	38.89	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	42.98	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	83.92	
08 16 13 00-0058		**Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0001)*		
08 16 13 00-0059		**Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0058)* Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060		**Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		**6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0060)*		
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,821.71	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,861.07	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,999.23	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0065		**7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0060)*		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,821.71	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,984.90	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,999.23	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0069		**Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		**45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0069)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0071		**6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0070)*		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.58	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.90	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0075		**7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0070)*		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,810.25	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,109.40	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0079		**60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0069)*		
08 16 13 00-0080		**6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.58	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.90	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0084		**7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,810.25	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,109.40	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0088		**90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0069)*		
08 16 13 00-0089		**6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.58	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.90	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,679.25	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,810.25	89.51
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,109.40	96.67
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0097 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,193.22	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,193.22	85.93
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.20	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.27	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.82	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.72	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.15	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.91	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.38	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	39.63	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	141.17	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	54.49	

08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,450.28	85.93

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 Pre-Hung Interior Door Units *(08 17 23)*

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0003 Birch Faced *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	430.50	89.51
		For 8' Door Height, Add	*60.36*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	445.95	89.51
		For 8' Door Height, Add	*64.06*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	468.58	93.09
		For 8' Door Height, Add	*67.78*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	480.34	96.67
		For 8' Door Height, Add	*68.88*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	508.37	96.67
		For 8' Door Height, Add	*75.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	535.69	100.26
		For 8' Door Height, Add	*80.45*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	796.55	146.80
		For 8' Door Height, Add	*120.71*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	848.96	157.54
		For 8' Door Height, Add	*128.13*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	910.55	168.29
		For 8' Door Height, Add	*137.76*	
08 17 23 00-0013		**Lauan Faced** *(08 17 23 00-0002)*		
08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	389.18	89.51
		For 8' Door Height, Add	*50.44*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	403.44	89.51
		For 8' Door Height, Add	*53.86*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	422.61	93.09
		For 8' Door Height, Add	*56.74*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	438.27	96.67
		For 8' Door Height, Add	*58.78*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	461.69	96.67
		For 8' Door Height, Add	*64.40*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	497.43	100.26
		For 8' Door Height, Add	*71.26*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	713.94	146.80
		For 8' Door Height, Add	*100.88*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	763.85	157.54
		For 8' Door Height, Add	*107.71*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	826.47	168.29
		For 8' Door Height, Add	*117.58*	
08 17 23 00-0023		**Tempered Hardboard Faced** *(08 17 23 00-0002)*		
08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	350.37	89.51
		For 8' Door Height, Add	*41.12*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	362.87	89.51
		For 8' Door Height, Add	*44.12*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	375.96	93.09
		For 8' Door Height, Add	*45.55*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	394.98	96.67
		For 8' Door Height, Add	*48.39*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	417.14	96.67
		For 8' Door Height, Add	*53.71*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	429.46	100.26
		For 8' Door Height, Add	*54.95*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	623.10	146.80
		For 8' Door Height, Add	*79.08*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	682.75	157.54
		For 8' Door Height, Add	*88.24*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	739.81	168.29
		For 8' Door Height, Add	*96.78*	
08 17 23 00-0033		**Solid Core Doors, 1-3/8" Thick** *(08 17 23 00-0001)*		
08 17 23 00-0034		**Birch Faced** *(08 17 23 00-0033)*		
08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	563.36	89.51
		For 8' Door Height, Add	*92.24*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	583.58	89.51
		For 8' Door Height, Add	*97.09*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	610.90	93.09
		For 8' Door Height, Add	*101.93*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	642.67	96.67
		For 8' Door Height, Add	*107.84*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	692.01	96.67
		For 8' Door Height, Add	*119.68*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	742.76	100.26
		For 8' Door Height, Add	*130.14*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,062.28	146.80
		For 8' Door Height, Add	*184.48*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,124.18	157.54
		For 8' Door Height, Add	*194.19*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,235.21	168.29
		For 8' Door Height, Add	*215.68*	
08 17 23 00-0044		**Lauan Faced** *(08 17 23 00-0033)*		
08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	482.89	89.51
		For 8' Door Height, Add	*72.93*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	499.60	89.51
		For 8' Door Height, Add	*76.94*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	523.44	93.09
		For 8' Door Height, Add	*80.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	547.46	96.67
		For 8' Door Height, Add	*84.99*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	586.41	96.67
		For 8' Door Height, Add	*94.34*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	618.72	100.26
		For 8' Door Height, Add	*100.37*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	901.32	146.80
		For 8' Door Height, Add	*145.85*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	956.24	157.54
		For 8' Door Height, Add	*153.88*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,044.79	168.29
		For 8' Door Height, Add	*169.98*	
08 17 23 00-0054		**Tempered Hardboard Faced** *(08 17 23 00-0033)*		
08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	465.83	89.51
		For 8' Door Height, Add	*68.83*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	482.44	89.51
		For 8' Door Height, Add	*72.82*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	506.26	93.09
		For 8' Door Height, Add	*76.82*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	519.58	96.67
		For 8' Door Height, Add	*78.30*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	555.55	96.67
		For 8' Door Height, Add	*86.93*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	585.91	100.26
		For 8' Door Height, Add	*92.50*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	867.21	146.80
		For 8' Door Height, Add	*137.67*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	921.89	157.54
		For 8' Door Height, Add	*145.64*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	989.01	168.29
		For 8' Door Height, Add	*156.59*	
08 17 23 00-0064		**Hollow Core Doors, 1-3/4" Thick** *(08 17 23 00-0001)*		
08 17 23 00-0065		**Birch Faced** *(08 17 23 00-0064)*		
08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	493.33	89.51
		For 8' Door Height, Add	*75.43*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	505.19	89.51
		For 8' Door Height, Add	*78.28*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	516.74	93.09
		For 8' Door Height, Add	*79.33*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	543.24	96.67
		For 8' Door Height, Add	*83.98*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	594.57	96.67
		For 8' Door Height, Add	*96.30*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	661.69	100.26
		For 8' Door Height, Add	*110.68*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	922.26	146.80
		For 8' Door Height, Add	*150.87*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	967.42	157.54
		For 8' Door Height, Add	*156.56*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	1,036.39	168.29
		For 8' Door Height, Add	*167.96*	
08 17 23 00-0075		**Lauan Faced** *(08 17 23 00-0064)*		
08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	446.00	89.51
		For 8' Door Height, Add	*64.08*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	464.39	89.51
		For 8' Door Height, Add	*68.49*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	486.49	93.09
		For 8' Door Height, Add	*72.07*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	499.56	96.67
		For 8' Door Height, Add	*73.49*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	533.22	96.67
		For 8' Door Height, Add	*81.57*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	562.13	100.26
		For 8' Door Height, Add	*86.79*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	827.57	146.80
		For 8' Door Height, Add	*128.15*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	885.83	157.54
		For 8' Door Height, Add	*136.98*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	949.01	168.29
		For 8' Door Height, Add	*146.99*	
08 17 23 00-0085		**Tempered Hardboard Faced** *(08 17 23 00-0064)*		
08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	392.50	89.51
		For 8' Door Height, Add	*51.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	398.45	89.51
		For 8' Door Height, Add	*52.66*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	417.48	93.09
		For 8' Door Height, Add	*55.51*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	436.50	96.67
		For 8' Door Height, Add	*58.36*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	450.05	96.67
		For 8' Door Height, Add	*61.61*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	463.13	100.26
		For 8' Door Height, Add	*63.03*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	704.09	146.80
		For 8' Door Height, Add	*98.52*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	753.94	157.54
		For 8' Door Height, Add	*105.33*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	822.90	168.29
		For 8' Door Height, Add	*116.72*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	622.21	89.51
		For 8' Door Height, Add	*106.37*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	640.67	89.51
		For 8' Door Height, Add	*110.80*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	654.00	93.09
		For 8' Door Height, Add	*112.28*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	679.61	96.67
		For 8' Door Height, Add	*116.70*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	733.11	96.67
		For 8' Door Height, Add	*129.54*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	794.27	100.26
		For 8' Door Height, Add	*142.51*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,179.98	146.80
		For 8' Door Height, Add	*212.74*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,238.36	157.54
		For 8' Door Height, Add	*221.59*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,309.12	168.29
		For 8' Door Height, Add	*233.41*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	592.63	89.51
		For 8' Door Height, Add	*99.27*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	593.84	89.51
		For 8' Door Height, Add	*99.56*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	612.91	93.09
		For 8' Door Height, Add	*102.42*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	628.70	96.67
		For 8' Door Height, Add	*104.49*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	668.05	96.67
		For 8' Door Height, Add	*113.93*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	705.58	100.26
		For 8' Door Height, Add	*121.22*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,120.85	146.80
		For 8' Door Height, Add	*198.54*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,144.70	157.54
		For 8' Door Height, Add	*199.11*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,207.29	168.29
		For 8' Door Height, Add	*208.97*	

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	529.88	89.51
		For 8' Door Height, Add	*84.21*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	536.01	89.51
		For 8' Door Height, Add	*85.68*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	549.35	93.09
		For 8' Door Height, Add	*87.16*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	568.84	96.67
		For 8' Door Height, Add	*90.12*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	596.38	96.67
		For 8' Door Height, Add	*96.73*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	629.33	100.26
		For 8' Door Height, Add	*102.92*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	995.30	146.80
		For 8' Door Height, Add	*168.41*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,029.07	157.54
		For 8' Door Height, Add	*171.36*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,087.53	168.29
		For 8' Door Height, Add	*180.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0126		Oak Or Maple Faced *(08 17 23 00-0095)*		
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	970.72	89.51
		For 8' Door Height, Add	*190.01*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	975.55	89.51
		For 8' Door Height, Add	*191.17*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,023.64	93.09
		For 8' Door Height, Add	*200.99*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,041.49	96.67
		For 8' Door Height, Add	*203.55*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,133.43	96.67
		For 8' Door Height, Add	*225.62*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,249.52	100.26
		For 8' Door Height, Add	*251.77*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,877.01	146.80
		For 8' Door Height, Add	*380.03*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,908.19	157.54
		For 8' Door Height, Add	*382.34*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	2,032.86	168.29
		For 8' Door Height, Add	*407.11*	
08 17 23 00-0136		Walnut Faced *(08 17 23 00-0095)*		
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,217.97	89.51
		For 8' Door Height, Add	*249.35*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,261.17	89.51
		For 8' Door Height, Add	*259.72*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,282.81	93.09
		For 8' Door Height, Add	*263.19*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,333.23	96.67
		For 8' Door Height, Add	*273.57*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,458.64	96.67
		For 8' Door Height, Add	*303.67*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,592.42	100.26
		For 8' Door Height, Add	*334.06*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,371.50	146.80
		For 8' Door Height, Add	*498.70*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,479.37	157.54
		For 8' Door Height, Add	*519.43*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,616.35	168.29
		For 8' Door Height, Add	*547.15*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors *(08 18 16)*

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0001)*

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	57.66	6.44
		For Custom Quality, Add	*10.15*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*7.31*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	48.76	4.01
		For Custom Quality, Add	*9.70*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.99*	

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	64.94	6.44
		For Custom Quality, Add	*11.97*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.62*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	55.93	4.01
		For Custom Quality, Add	*11.50*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.28*	

08 18 16 00-0009 Sliding Wood-Framed Glass Doors *(08 18 16)*

08 18 16 00-0010 Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0009)*

08 18 16 00-0011	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,171.41	193.35
08 18 16 00-0012	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,650.96	236.31
08 18 16 00-0013	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	3,062.84	272.11
08 18 16 00-0014	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,379.07	193.35
08 18 16 00-0015	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,919.17	236.31
08 18 16 00-0016	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,394.76	272.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	501.21	72.55
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	582.30	77.30
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	678.73	81.74
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	782.29	85.90
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	800.06	86.35
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	1,034.60	89.02

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	206.79	55.64
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	245.77	72.55
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	345.78	77.30
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	370.96	81.74
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	429.21	85.90
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	487.30	86.35

08 31 13 00-0016 Steel Access Doors *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	237.05	72.99
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	283.26	77.30
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	286.63	81.74
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	332.01	86.35
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	344.00	86.35
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	449.66	89.02
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	508.99	92.73
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	608.17	92.73
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	773.04	111.27

08 31 13 00-0027 Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	145.71	55.94
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	155.83	72.99
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	174.09	77.30
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	180.79	81.74
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	206.20	86.35
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	209.51	86.35
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	269.24	89.02
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	331.80	92.73

08 31 13 00-0036 Fiberglass Reinforced Polyester (FRP) Access Doors *(08 31 13)*

08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	216.08	55.64
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	238.97	59.35
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	294.18	63.06
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	349.17	66.77
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	407.88	70.18
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	437.09	70.47

08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	185.16	55.64
		For Recessed Doors In Acoustical Tile, Add	*33.42*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	195.10	59.64
		For Recessed Doors In Acoustical Tile, Add	*36.31*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	208.75	63.06
		For Recessed Doors In Acoustical Tile, Add	*38.08*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	238.04	66.77
		For Recessed Doors In Acoustical Tile, Add	*37.74*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	250.68	70.47
		For Recessed Doors In Acoustical Tile, Add	*39.93*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	268.11	70.47
		For Recessed Doors In Acoustical Tile, Add	*37.32*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	335.14	89.02
		For Recessed Doors In Acoustical Tile, Add	*47.65*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	446.04	92.73
		For Recessed Doors In Acoustical Tile, Add	*35.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0052		Steel Crawl Space Doors And Frames *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	219.12	93.92
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	294.89	113.79
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	327.76	123.59

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,108.79	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,224.37	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,458.33	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,806.27	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,628.91	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,849.12	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,960.31	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,218.28	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*
Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,180.24	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,611.35	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,750.32	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,766.52	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,885.70	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,097.60	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,229.39	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,518.64	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors *(08 33 13 00-0001)*
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,546.75	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,727.56	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,240.18	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,195.81	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,360.42	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,629.55	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,795.96	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,197.76	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,802.29	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,975.67	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,267.41	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,673.15	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,149.04	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,398.15	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,567.13	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,738.41	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,277.62	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,904.69	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,043.65	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,373.39	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,669.54	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,920.63	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,130.80	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,459.24	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,253.47	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,434.29	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	21,533.61	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,088.86	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,524.70	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,839.03	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,073.25	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,090.82	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0057			**Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** *(08 33 13 00-0047)*		
			Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058		EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,349.39	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0059		EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,530.21	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0060		EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,771.61	510.70
			For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0061		EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,184.78	600.83
			For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0062		EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,163.07	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0063		EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,477.40	534.02
			For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0064		EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,802.03	555.40
			For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0065		EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,096.33	600.83
			For Motor Operator (With Safety Reverse), Add	*800.21*	
08 33 13 00-0066			**Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill** *(08 33 13 00-0047)*		
			Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067		EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	9,823.89	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0068		EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	10,607.73	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0069		EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,235.99	510.70
			For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0070		EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,252.19	600.83
			For Motor Operator (With Safety Reverse), Add	*799.46*	
08 33 13 00-0071		EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	10,999.65	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0072		EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	11,917.01	534.02
			For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0073		EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,146.17	555.40
			For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0074		EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,827.34	600.83
			For Motor Operator (With Safety Reverse), Add	*800.21*	
08 33 13 00-0075			**Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** *(08 33 13 00-0047)*		
			Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076		EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,518.51	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0077		EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,634.10	480.66
			For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0078		EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,925.85	510.70
			For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0079		EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,562.75	600.83
			For Motor Operator (With Safety Reverse), Add	*799.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,865.27	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,345.54	534.02
		For Motor Operator (With Safety Reverse), Add	*783.52*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,745.69	555.40
		For Motor Operator (With Safety Reverse), Add	*788.86*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	9,015.02	600.83
		For Motor Operator (With Safety Reverse), Add	*800.21*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	11,783.49	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	12,175.41	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	13,803.67	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	6,980.85	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	9,292.53	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	10,508.95	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,171.76	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,865.27	480.66
		For Motor Operator (With Safety Reverse), Add	*770.17*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,330.39	510.70
		For Motor Operator (With Safety Reverse), Add	*776.22*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,140.67	600.83
		For Motor Operator (With Safety Reverse), Add	*799.46*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,602.95	210.29
		For Lexan Lattice Pattern, Add	*150.32*	
		For Staggered Brick Pattern, Add	*147.79*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,805.98	246.34
		For Lexan Lattice Pattern, Add	*165.45*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,006.32	280.34
		For Lexan Lattice Pattern, Add	*180.78*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,236.28	318.44
		For Lexan Lattice Pattern, Add	*200.26*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,466.43	354.49
		For Lexan Lattice Pattern, Add	*219.73*	
		For Staggered Brick Pattern, Add	*358.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,779.18	384.53
		For Lexan Lattice Pattern, Add	*251.50*	
		For Staggered Brick Pattern, Add	*415.73*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,090.14	420.58
		For Lexan Lattice Pattern, Add	*283.27*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,501.45	480.66
		For Lexan Lattice Pattern, Add	*315.05*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,935.13	560.57
		For Lexan Lattice Pattern, Add	*349.94*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,873.31	672.92
		For Lexan Lattice Pattern, Add	*442.14*	
		For Staggered Brick Pattern, Add	*607.11*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,040.39	841.16
		For Lexan Lattice Pattern, Add	*545.56*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,656.62	210.29
		For Lexan Lattice Pattern, Add	*158.37*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,880.64	246.34
		For Lexan Lattice Pattern, Add	*176.65*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,016.93	280.46
		For Lexan Lattice Pattern, Add	*182.37*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,231.84	318.44
		For Lexan Lattice Pattern, Add	*199.59*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,448.74	354.49
		For Lexan Lattice Pattern, Add	*216.80*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,786.02	384.53
		For Lexan Lattice Pattern, Add	*252.53*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,123.31	420.58
		For Lexan Lattice Pattern, Add	*288.25*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,560.94	480.66
		For Lexan Lattice Pattern, Add	*323.97*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,995.88	560.57
		For Lexan Lattice Pattern, Add	*359.69*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,010.86	672.92
		For Lexan Lattice Pattern, Add	*462.77*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,126.03	841.16
		For Lexan Lattice Pattern, Add	*558.41*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,712.77	210.29
		For Lexan Lattice Pattern, Add	*166.79*	
		For Staggered Brick Pattern, Add	*147.79*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,957.10	246.34
		For Lexan Lattice Pattern, Add	*188.12*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,198.77	280.34
		For Lexan Lattice Pattern, Add	*209.65*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,470.03	318.44
		For Lexan Lattice Pattern, Add	*235.32*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,743.28	354.49
		For Lexan Lattice Pattern, Add	*260.99*	
		For Staggered Brick Pattern, Add	*358.60*	
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,122.73	384.53
		For Lexan Lattice Pattern, Add	*303.03*	
		For Staggered Brick Pattern, Add	*415.73*	
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,502.19	420.58
		For Lexan Lattice Pattern, Add	*345.08*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,982.00	480.66
		For Lexan Lattice Pattern, Add	*387.13*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,463.39	560.57
		For Lexan Lattice Pattern, Add	*429.18*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,532.17	672.92
		For Lexan Lattice Pattern, Add	*540.97*	
		For Staggered Brick Pattern, Add	*607.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,811.56	841.16
		For Lexan Lattice Pattern, Add	*661.24*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,821.32	210.29
		For Lexan Lattice Pattern, Add	*183.07*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,127.69	246.34
		For Lexan Lattice Pattern, Add	*213.71*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,346.30	280.46
		For Lexan Lattice Pattern, Add	*231.78*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,643.59	318.44
		For Lexan Lattice Pattern, Add	*261.35*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,942.89	354.49
		For Lexan Lattice Pattern, Add	*290.93*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,362.53	384.53
		For Lexan Lattice Pattern, Add	*339.00*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,782.17	420.58
		For Lexan Lattice Pattern, Add	*387.08*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,302.16	480.66
		For Lexan Lattice Pattern, Add	*435.15*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,819.47	560.57
		For Lexan Lattice Pattern, Add	*483.23*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,999.15	672.92
		For Lexan Lattice Pattern, Add	*611.01*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	7,276.66	841.16
		For Lexan Lattice Pattern, Add	*731.00*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 23 Overhead Coiling Doors *(08 33)*

See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-1104 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,672.45	712.84
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,790.32	754.77
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,786.34	754.77
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,909.39	796.70
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,942.16	817.70
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,106.70	880.58
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,244.55	922.51
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,205.33	922.51
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,275.68	943.47
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,358.66	964.44
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,521.91	1,006.37
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,353.19	964.44
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,495.80	1,006.37
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,658.00	1,048.30
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,782.34	1,090.23

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,996.40	1,060.88
		For 3/4" Insulated Slats, Add	*1,671.21*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,109.51	1,084.99
		For 3/4" Insulated Slats, Add	*1,725.85*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,444.14	1,157.33
		For 3/4" Insulated Slats, Add	*1,886.46*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,738.26	1,205.55
		For 3/4" Insulated Slats, Add	*2,046.77*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,273.78	1,109.10
		For 3/4" Insulated Slats, Add	*1,818.96*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,614.43	1,205.55
		For 3/4" Insulated Slats, Add	*1,953.90*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,858.64	1,253.77
		For 3/4" Insulated Slats, Add	*2,076.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,168.06	1,301.99
		For 3/4" Insulated Slats, Add	*2,248.56*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,563.81	1,157.33
		For 3/4" Insulated Slats, Add	*1,976.21*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,831.46	1,205.55
		For 3/4" Insulated Slats, Add	*2,116.67*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,195.57	1,301.99
		For 3/4" Insulated Slats, Add	*2,269.20*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,590.52	1,343.92
		For 3/4" Insulated Slats, Add	*2,513.00*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,725.86	1,427.78
		For 3/4" Insulated Slats, Add	*2,509.66*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,249.94	1,511.65
		For 3/4" Insulated Slats, Add	*2,797.90*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,795.63	1,595.51
		For 3/4" Insulated Slats, Add	*3,102.34*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,524.85	954.79
		For 3/4" Insulated Slats, Add	*1,450.15*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,792.55	1,007.85
		For 3/4" Insulated Slats, Add	*1,584.57*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,983.09	1,049.78
		For 3/4" Insulated Slats, Add	*1,675.06*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,023.86	1,113.93
		For 3/4" Insulated Slats, Add	*1,625.44*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,415.61	1,220.02
		For 3/4" Insulated Slats, Add	*1,786.65*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,664.50	1,261.95
		For 3/4" Insulated Slats, Add	*1,920.90*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,256.28	1,303.88
		For 3/4" Insulated Slats, Add	*2,312.32*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,889.98	1,366.78
		For 3/4" Insulated Slats, Add	*2,708.97*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,373.12	1,193.49
		For 3/4" Insulated Slats, Add	*1,788.00*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,730.90	1,273.06
		For 3/4" Insulated Slats, Add	*1,956.86*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,017.76	1,326.10
		For 3/4" Insulated Slats, Add	*2,105.65*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,586.80	1,368.03
		For 3/4" Insulated Slats, Add	*2,480.01*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,197.77	1,430.93
		For 3/4" Insulated Slats, Add	*2,859.62*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,158.84	1,379.14
		For 3/4" Insulated Slats, Add	*2,145.20*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,532.64	1,432.20
		For 3/4" Insulated Slats, Add	*2,359.20*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,208.15	1,516.06
		For 3/4" Insulated Slats, Add	*2,760.99*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,967.51	1,641.85
		For 3/4" Insulated Slats, Add	*3,173.28*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,749.62	1,809.58
		For 3/4" Insulated Slats, Add	*3,550.20*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,615.59	2,019.24
		For 3/4" Insulated Slats, Add	*3,937.61*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,565.44	2,270.83
		For 3/4" Insulated Slats, Add	*4,335.50*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,597.24	2,564.36
		For 3/4" Insulated Slats, Add	*4,742.44*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,550.58	1,432.20
		For 3/4" Insulated Slats, Add	*2,372.65*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,920.43	1,478.31
		For 3/4" Insulated Slats, Add	*2,592.38*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,760.59	1,562.19
		For 3/4" Insulated Slats, Add	*3,117.67*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,684.59	1,687.98
		For 3/4" Insulated Slats, Add	*3,653.43*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,599.17	1,855.70
		For 3/4" Insulated Slats, Add	*4,129.70*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,597.60	2,065.36
		For 3/4" Insulated Slats, Add	*4,616.45*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,679.90	2,316.96
		For 3/4" Insulated Slats, Add	*5,113.68*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,929.89	2,652.42
		For 3/4" Insulated Slats, Add	*5,631.86*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,768.03	1,667.65
		For 3/4" Insulated Slats, Add	*2,991.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,401.84	1,751.51
		For 3/4" Insulated Slats, Add	*3,362.01*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,159.63	1,835.38
		For 3/4" Insulated Slats, Add	*3,825.52*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,923.80	1,961.17
		For 3/4" Insulated Slats, Add	*4,241.40*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,814.15	2,128.91
		For 3/4" Insulated Slats, Add	*4,699.51*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,703.74	2,296.63
		For 3/4" Insulated Slats, Add	*5,157.04*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,514.57	2,506.29
		For 3/4" Insulated Slats, Add	*6,253.09*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,409.27	2,757.88
		For 3/4" Insulated Slats, Add	*7,359.63*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,128.61	1,917.80
		For 3/4" Insulated Slats, Add	*3,699.21*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,845.81	2,001.66
		For 3/4" Insulated Slats, Add	*4,132.28*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,487.57	2,085.52
		For 3/4" Insulated Slats, Add	*4,508.77*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,235.02	2,211.33
		For 3/4" Insulated Slats, Add	*4,912.12*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,129.18	2,379.05
		For 3/4" Insulated Slats, Add	*5,373.07*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,142.10	2,546.77
		For 3/4" Insulated Slats, Add	*5,923.11*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,663.06	2,756.44
		For 3/4" Insulated Slats, Add	*6,801.75*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,279.34	3,008.03
		For 3/4" Insulated Slats, Add	*7,699.47*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,810.37	2,157.53
		For 3/4" Insulated Slats, Add	*3,910.82*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,455.19	2,241.40
		For 3/4" Insulated Slats, Add	*4,289.61*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,481.78	2,367.19
		For 3/4" Insulated Slats, Add	*4,902.30*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,446.24	2,534.91
		For 3/4" Insulated Slats, Add	*5,415.99*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,500.41	2,744.58
		For 3/4" Insulated Slats, Add	*5,944.55*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,639.21	2,996.17
		For 3/4" Insulated Slats, Add	*6,484.15*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,540.58	3,289.70
		For 3/4" Insulated Slats, Add	*7,543.28*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,560.57	3,625.15
		For 3/4" Insulated Slats, Add	*8,638.95*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,075.01	2,481.16
		For 3/4" Insulated Slats, Add	*4,454.76*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,280.11	2,565.02
		For 3/4" Insulated Slats, Add	*5,253.76*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,801.28	3,033.64
		For 3/4" Insulated Slats, Add	*5,808.95*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,097.29	3,159.43
		For 3/4" Insulated Slats, Add	*6,623.71*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,660.47	3,327.16
		For 3/4" Insulated Slats, Add	*7,586.44*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,397.64	3,494.89
		For 3/4" Insulated Slats, Add	*8,679.66*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,226.88	3,704.55
		For 3/4" Insulated Slats, Add	*9,789.51*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,168.73	3,956.15
		For 3/4" Insulated Slats, Add	*10,931.42*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,088.15	2,937.20
		For 3/4" Insulated Slats, Add	*4,644.66*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,447.95	3,062.99
		For 3/4" Insulated Slats, Add	*5,507.26*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,302.61	3,337.00
		For 3/4" Insulated Slats, Add	*6,555.68*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,978.33	3,462.79
		For 3/4" Insulated Slats, Add	*7,655.22*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,743.38	3,630.51
		For 3/4" Insulated Slats, Add	*8,769.35*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,681.80	3,798.24
		For 3/4" Insulated Slats, Add	*10,013.50*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,709.78	4,007.91
		For 3/4" Insulated Slats, Add	*11,272.42*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,810.07	4,259.49
		For 3/4" Insulated Slats, Add	*12,533.15*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,219.43	3,230.90
		For 3/4" Insulated Slats, Add	*5,125.90*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,144.71	3,314.77
		For 3/4" Insulated Slats, Add	*5,715.03*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,118.87	3,398.63
		For 3/4" Insulated Slats, Add	*7,090.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,983.76	3,524.43
		For 3/4" Insulated Slats, Add	*8,332.25*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,861.53	3,692.16
		For 3/4" Insulated Slats, Add	*9,530.91*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,911.35	3,859.88
		For 3/4" Insulated Slats, Add	*10,858.62*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,407.20	4,090.51
		For 3/4" Insulated Slats, Add	*12,442.22*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,961.08	4,321.13
		For 3/4" Insulated Slats, Add	*14,069.35*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,449.66	1,751.08
		For 3/4" Insulated Slats, Add	*3,398.50*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,161.78	1,839.14
		For 3/4" Insulated Slats, Add	*3,822.52*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,016.47	1,927.19
		For 3/4" Insulated Slats, Add	*4,353.47*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,870.09	2,059.20
		For 3/4" Insulated Slats, Add	*4,828.57*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,860.46	2,235.31
		For 3/4" Insulated Slats, Add	*5,351.21*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,849.93	2,411.43
		For 3/4" Insulated Slats, Add	*5,873.17*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,890.47	2,631.65
		For 3/4" Insulated Slats, Add	*7,128.40*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,019.06	2,895.82
		For 3/4" Insulated Slats, Add	*8,394.63*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,964.28	2,013.74
		For 3/4" Insulated Slats, Add	*4,206.14*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,772.27	2,101.79
		For 3/4" Insulated Slats, Add	*4,702.07*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,493.55	2,189.85
		For 3/4" Insulated Slats, Add	*5,132.95*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,327.95	2,321.85
		For 3/4" Insulated Slats, Add	*5,593.64*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,322.67	2,497.97
		For 3/4" Insulated Slats, Add	*6,119.55*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,454.00	2,674.08
		For 3/4" Insulated Slats, Add	*6,747.90*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,161.17	2,894.31
		For 3/4" Insulated Slats, Add	*7,753.10*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,969.56	3,158.48
		For 3/4" Insulated Slats, Add	*8,779.17*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,700.36	2,265.33
		For 3/4" Insulated Slats, Add	*4,443.50*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,425.12	2,353.39
		For 3/4" Insulated Slats, Add	*4,877.00*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,580.54	2,485.56
		For 3/4" Insulated Slats, Add	*5,578.46*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,656.13	2,661.67
		For 3/4" Insulated Slats, Add	*6,165.01*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,826.49	2,881.73
		For 3/4" Insulated Slats, Add	*6,767.60*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,085.78	3,145.91
		For 3/4" Insulated Slats, Add	*7,381.85*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,213.67	3,454.18
		For 3/4" Insulated Slats, Add	*8,592.52*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,469.57	3,806.41
		For 3/4" Insulated Slats, Add	*9,844.16*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,089.98	2,605.14
		For 3/4" Insulated Slats, Add	*5,060.95*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,459.05	2,693.20
		For 3/4" Insulated Slats, Add	*5,977.68*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,852.93	3,185.32
		For 3/4" Insulated Slats, Add	*6,408.05*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,277.56	3,317.49
		For 3/4" Insulated Slats, Add	*7,311.42*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,993.93	3,493.60
		For 3/4" Insulated Slats, Add	*8,378.55*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,903.63	3,669.71
		For 3/4" Insulated Slats, Add	*9,590.69*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,910.49	3,889.77
		For 3/4" Insulated Slats, Add	*10,820.65*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,037.36	4,153.94
		For 3/4" Insulated Slats, Add	*12,085.59*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,961.16	3,084.01
		For 3/4" Insulated Slats, Add	*5,115.86*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,456.66	3,216.18
		For 3/4" Insulated Slats, Add	*6,072.38*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,484.01	3,503.83
		For 3/4" Insulated Slats, Add	*7,233.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,330.54	3,636.00
		For 3/4" Insulated Slats, Add	*8,452.91*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,271.21	3,812.12
		For 3/4" Insulated Slats, Add	*9,688.26*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,404.49	3,988.23
		For 3/4" Insulated Slats, Add	*11,068.08*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,632.20	4,208.29
		For 3/4" Insulated Slats, Add	*12,463.68*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,935.11	4,472.46
		For 3/4" Insulated Slats, Add	*13,860.66*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,182.20	3,392.46
		For 3/4" Insulated Slats, Add	*5,646.08*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,200.05	3,480.52
		For 3/4" Insulated Slats, Add	*6,299.39*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,383.30	3,568.57
		For 3/4" Insulated Slats, Add	*7,826.76*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,440.03	3,700.58
		For 3/4" Insulated Slats, Add	*9,204.20*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,505.95	3,876.69
		For 3/4" Insulated Slats, Add	*10,533.49*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,763.02	4,052.80
		For 3/4" Insulated Slats, Add	*12,006.16*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,508.06	4,295.00
		For 3/4" Insulated Slats, Add	*13,762.19*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	28,317.45	4,537.20
		For 3/4" Insulated Slats, Add	*15,566.59*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,883.30	954.79
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,084.93	1,007.85
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,525.00	1,049.78
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,490.03	1,113.93
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,820.30	1,220.02
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,022.31	1,261.95
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,259.73	1,303.88
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,541.67	1,366.78
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,794.81	1,193.49
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,113.85	1,273.06
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,382.37	1,326.10
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,619.96	1,368.03
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,900.34	1,430.93
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,500.92	1,379.14
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,765.75	1,432.20
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,129.19	1,516.06
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,577.57	1,641.85
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,249.55	1,809.58
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,005.31	2,019.24
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,841.73	2,270.83
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,762.95	2,564.36
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,761.76	1,432.20
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,237.29	1,478.31
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,703.71	1,562.19
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,255.80	1,687.98
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,998.30	1,855.70
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,826.21	2,065.36
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,513.14	2,316.96
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,369.84	2,652.42

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,467.88	1,667.65
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,062.12	1,751.51
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,646.29	1,835.38
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,273.92	1,961.17
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,018.24	2,128.91
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,762.55	2,296.63
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,599.54	2,506.29
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,520.51	2,757.88
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,353.09	1,917.80
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,971.33	2,001.66
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,566.82	2,085.52
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,262.60	2,211.33
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,087.69	2,379.05
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,950.61	2,546.77
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,867.10	2,756.44
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,828.36	3,008.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,111.51	2,157.53
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,768.85	2,241.40
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,567.33	2,367.19
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,439.87	2,534.91
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,404.32	2,744.58
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,447.61	2,996.17
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,573.48	3,289.70
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,788.27	3,625.15
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,137.33	2,481.16
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,806.04	2,565.02
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,894.26	2,690.82
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,724.41	2,858.55
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,757.00	3,068.21
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,896.17	3,319.80
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,078.82	3,613.32
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,371.86	3,948.78
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,613.34	2,937.20
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,505.98	3,062.99
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,786.02	3,337.00
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,753.10	3,462.79
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,802.80	3,630.51
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,861.32	3,798.24
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,955.74	4,007.90
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,140.34	4,259.49
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,590.81	3,230.90
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,143.40	3,314.77
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,373.69	3,398.63
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,444.22	3,524.43
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,546.91	3,692.16
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,649.62	3,859.88
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,967.41	4,069.55
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,406.93	4,321.13

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.95	1.79
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	36.68	2.15
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	35.01	2.15
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	261.61	89.51
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	17.23	
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	68.89	
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,013.05	286.44
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,526.76	286.44
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,380.13	322.24
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,801.91	322.24
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,055.46	358.04
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,311.33	358.04
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	83.74	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	371.37	143.22

08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	30.40	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1104 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)*

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*

08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,880.62	524.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,199.40	548.53
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,516.09	572.87
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,830.68	597.22
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,149.47	621.57
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0010		6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,199.40	548.53
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,516.09	572.87
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,830.68	597.22
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,149.47	621.57
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,782.84	670.26
08 33 23 13-0017		7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,516.09	572.87
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,830.68	597.22
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,149.47	621.57
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,782.84	670.26
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,101.63	694.61
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,830.68	597.22
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,149.47	621.57
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,782.84	670.26
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,101.63	694.61
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,416.22	718.96
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,149.47	621.57
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,782.84	670.26
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,101.63	694.61
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,416.22	718.96
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,735.00	743.31
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,466.15	645.91
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,782.84	670.26
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,101.63	694.61
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,416.22	718.96
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,735.00	743.31
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	9,051.69	767.65
08 33 23 13-0045		Rytec® Bantam® Door Options *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	13.09	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	28.79	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	41.87	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	397.80	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	771.33	71.61
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	771.33	71.61
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,269.96	143.22
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	415.40	71.61
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	404.93	71.61
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0055)*		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,980.66	572.87
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,273.61	597.22
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,611.16	621.57
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,080.53	645.91
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,559.60	670.26
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,364.35	694.61
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,936.47	718.96
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,337.59	597.22
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,710.03	621.57
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,177.46	645.91
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,672.04	670.26
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,323.64	694.61
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,109.01	718.96
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,729.60	743.31
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,772.07	621.57
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,237.56	645.91
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,751.52	670.26
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,422.51	694.61
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,027.58	718.96
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,882.75	743.31
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,584.75	767.65
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,301.54	645.91
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,811.62	670.26
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,482.61	694.61
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,107.07	718.96
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,762.55	743.31
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,443.23	767.65
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,189.82	792.00
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,862.02	670.26
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,546.58	694.61
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,165.23	718.96
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,826.53	743.31
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,559.55	767.65
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,709.05	792.00
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,953.87	816.34
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,583.42	694.61
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,217.57	718.96
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,886.62	743.31
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,621.58	767.65
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,104.52	792.00
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,058.55	816.34
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,840.04	840.69
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,235.02	718.96
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,921.52	743.31
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,670.05	767.65
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,170.43	792.00
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,827.86	816.34
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,929.22	840.69
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	25,695.20	865.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0113		**Rytec® PredaDoor® Door Options** *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	916.49	143.22
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,333.29	143.22
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	15.70	
08 33 23 13-0117		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0117)*		
08 33 23 13-0119		**8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,310.74	1,288.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,548.90	1,325.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,628.07	1,362.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,788.67	1,398.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.36	1,435.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,795.83	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,875.01	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,837.20	1,547.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,368.60	1,587.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,606.87	1,628.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,140.41	1,671.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,548.90	1,325.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,628.07	1,362.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,788.67	1,398.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.36	1,435.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,795.83	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,875.01	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,266.30	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,368.60	1,587.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,606.87	1,628.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,140.41	1,671.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,967.17	1,714.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,628.07	1,362.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,788.67	1,398.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.36	1,435.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,795.83	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,875.01	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,266.30	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,580.05	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,605.28	1,628.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,138.78	1,670.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,965.50	1,713.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,505.56	1,758.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0155		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,788.67	1,398.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.36	1,435.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,795.83	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,875.01	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,266.30	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,580.05	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,048.89	1,617.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,134.87	1,668.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,961.49	1,711.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,501.44	1,756.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,330.54	1,801.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.36	1,435.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,795.83	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,875.01	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,266.30	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,580.05	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,048.89	1,617.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,104.81	1,654.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,955.48	1,708.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,495.27	1,753.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,324.22	1,798.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,155.52	1,845.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0179		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,594.53	1,471.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,974.20	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,282.13	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,801.38	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,314.81	1,617.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,438.58	1,654.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,292.89	1,690.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,606.76	1,749.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,437.59	1,794.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,277.06	1,841.41
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,897.03	1,889.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,974.20	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,282.13	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,801.38	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,314.81	1,617.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,438.58	1,654.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,292.89	1,690.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,562.05	1,727.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,427.44	1,789.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,266.64	1,836.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,886.35	1,883.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,411.70	1,932.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0203		**15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,209.72	1,508.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,729.50	1,544.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,243.01	1,581.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,367.09	1,617.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,221.08	1,654.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,489.63	1,690.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,381.99	1,766.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,255.90	1,830.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,875.33	1,878.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,400.40	1,927.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,881.14	1,977.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0215		**16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,796.80	1,578.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,313.71	1,616.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,441.19	1,654.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,298.57	1,692.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,570.52	1,731.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,386.82	1,769.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,209.41	1,807.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,864.34	1,872.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,389.13	1,921.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,869.58	1,971.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,365.21	2,022.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,171.68	1,614.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,439.10	1,653.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,972.42	1,692.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,656.49	1,731.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,202.37	1,770.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,499.89	1,810.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,713.67	1,849.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,377.89	1,916.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,858.05	1,965.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,353.37	2,016.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,773.90	2,069.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,841.35	1,651.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,514.65	1,691.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,336.61	1,731.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,152.29	1,771.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,045.43	1,811.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,734.17	1,851.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,498.29	1,891.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,862.01	1,960.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,341.59	2,011.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,692.70	2,063.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,119.82	2,116.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0251			19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0252		EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,510.63	1,689.69
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253		EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,334.43	1,730.61
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254		EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,151.95	1,771.51
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255		EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,046.93	1,812.43
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256		EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,737.51	1,853.35
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257		EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,503.48	1,894.27
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258		EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,812.23	1,935.19
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259		EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,329.82	2,005.17
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260		EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,680.63	2,057.30
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261		EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,107.44	2,110.79
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262		EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,537.02	2,165.67
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0263			20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0264		EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,330.32	1,728.55
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265		EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,149.72	1,770.41
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266		EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,046.58	1,812.26
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267		EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,739.05	1,854.12
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268		EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,506.89	1,895.99
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269		EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,817.53	1,937.84
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270		EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,278.89	1,979.70
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271		EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,668.60	2,051.29
			For NEMA 4X Control Box, Add	*675.00*	
			For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
			For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,095.09	2,104.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,524.36	2,159.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,663.34	2,215.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0275		**21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,418.13	1,853.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,112.52	1,896.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,880.20	1,939.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,196.93	1,982.41
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,658.14	2,025.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	66,051.14	2,098.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,480.07	2,153.03
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,911.86	2,209.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,053.42	2,266.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0285		**22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,530.10	1,896.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,228.56	1,940.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,996.11	1,984.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,312.73	2,028.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,780.10	2,071.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,176.46	2,146.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,607.91	2,202.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,040.17	2,259.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	75,186.48	2,318.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,646.15	1,940.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,344.53	1,985.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,116.19	2,029.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	66,434.81	2,074.66
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,902.10	2,119.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,304.01	2,196.10
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,735.94	2,253.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	75,172.92	2,311.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	77,321.93	2,371.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,762.09	1,984.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,462.53	2,030.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,238.35	2,076.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,559.05	2,122.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,026.30	2,168.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,429.64	2,246.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	74,866.28	2,305.03
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	77,308.06	2,364.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	79,455.64	2,426.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	58.16	
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	630.05	
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,046.85	
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,539.49	
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,303.07	
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	368.34	
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	726.98	
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	920.84	
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,453.96	
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	426.49	
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	843.30	
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	1,046.85	
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,686.59	
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	794.68	
		For 304 Stainless Steel, Add	*127.15*	
		For 316 Stainless Steel, Add	*556.28*	
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,033.08	
		For 304 Stainless Steel, Add	*165.29*	
		For 316 Stainless Steel, Add	*723.16*	
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,350.95	
		For 304 Stainless Steel, Add	*216.15*	
		For 316 Stainless Steel, Add	*945.67*	
08 33 23 13-0332	EA	Through Wall Brake Release	216.67	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,807.17	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*	

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*

08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,077.15	1,288.97
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,397.25	1,325.48
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,962.30	1,362.01
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,527.36	1,398.53
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,094.51	1,435.05
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,659.58	1,471.57
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,977.59	1,508.09
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,550.13	1,547.30
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,614.63	1,587.53
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,944.23	1,628.81
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,767.99	1,671.16

08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,397.25	1,325.48
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,715.25	1,362.01
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,282.40	1,398.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,094.51	1,435.05
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,412.53	1,471.57
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,977.59	1,508.09
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,544.74	1,544.61
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,122.61	1,587.53
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,436.25	1,628.81
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,754.13	1,671.16
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,072.12	1,714.61
08 33 23 13-0360		**10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,193.40	1,362.01
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,513.49	1,398.53
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,078.55	1,435.05
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,890.68	1,471.57
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,455.74	1,508.09
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,022.89	1,544.61
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,587.95	1,581.13
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,420.80	1,628.01
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,489.49	1,670.34
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,054.49	1,713.77
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,376.81	1,758.32
08 33 23 13-0372		**11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,266.44	1,398.53
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,831.50	1,435.05
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,398.66	1,471.57
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,210.78	1,508.09
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,775.84	1,544.61
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,340.90	1,581.13
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,647.13	1,617.66
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,224.66	1,668.37
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,789.58	1,711.76
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,356.73	1,756.27
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,679.15	1,801.93
08 33 23 13-0384		**12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,586.53	1,435.05
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,151.60	1,471.57
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,716.66	1,508.09
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,528.78	1,544.61
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,340.90	1,581.13
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,892.09	1,617.66
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,443.28	1,654.17
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,030.62	1,708.77
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,842.58	1,753.20
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,411.91	1,798.76
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,983.60	1,845.54
08 33 23 13-0396		**13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,151.60	1,471.57
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,471.70	1,508.09
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,036.76	1,544.61
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,095.93	1,581.13
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,892.09	1,617.66
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,690.34	1,654.17
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,241.54	1,690.69
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,081.79	1,749.26
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,897.96	1,794.74
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,714.40	1,841.40
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,288.31	1,889.28
08 33 23 13-0408		**14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,471.70	1,508.09
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,789.70	1,544.61
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,601.82	1,581.13
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,153.01	1,617.66
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,443.28	1,654.17
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,241.54	1,690.69
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,284.75	1,727.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,132.77	1,789.67
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,951.04	1,836.21
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,769.64	1,883.94
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,839.87	1,932.91
08 33 23 13-0420		**15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,019.23	1,542.77
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,585.96	1,580.14
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,399.76	1,617.49
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,458.53	1,654.86
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,997.53	1,692.23
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,042.42	1,729.58
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,087.33	1,766.94
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,940.31	1,830.83
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,005.68	1,878.43
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,073.54	1,927.28
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,143.93	1,977.37
08 33 23 13-0432		**16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,335.16	1,578.27
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,150.66	1,616.48
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,966.20	1,654.70
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,012.80	1,692.91
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,798.49	1,731.14
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,847.19	1,769.37
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,893.81	1,807.58
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,994.69	1,872.94
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,062.27	1,921.63
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,132.36	1,971.61
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,452.12	2,022.86
08 33 23 13-0444		**17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,901.86	1,614.56
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,472.08	1,653.66
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,520.45	1,692.75
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,568.83	1,731.86
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,356.26	1,770.95
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,651.69	1,810.06
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,700.08	1,849.15
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,051.04	1,916.02
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,120.83	1,965.83
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,440.29	2,016.94
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,762.40	2,069.39
08 33 23 13-0456		**18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,468.16	1,651.69
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,040.18	1,691.69
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,829.42	1,731.69
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,126.65	1,771.69
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,915.90	1,811.69
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,213.12	1,851.68
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,757.40	1,891.68
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,109.35	1,960.08
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,428.49	2,011.04
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,750.30	2,063.33
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,074.82	2,116.99
08 33 23 13-0468		**19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,528.17	1,689.68
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,349.09	1,730.61
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,387.23	1,771.52
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,686.29	1,812.44
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,724.44	1,853.36
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,023.52	1,894.27
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,567.54	1,935.19
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,924.71	2,005.18
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,491.17	2,057.31
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,815.37	2,110.80
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,389.43	2,165.68

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0480			20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0481	EA		20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,084.05	1,728.55
08 33 23 13-0482	EA		20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,906.85	1,770.41
08 33 23 13-0483	EA		20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,699.82	1,812.27
08 33 23 13-0484	EA		20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,247.82	1,854.12
08 33 23 13-0485	EA		20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,287.84	1,895.98
08 33 23 13-0486	EA		20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,833.76	1,937.84
08 33 23 13-0487	EA		20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,381.76	1,979.71
08 33 23 13-0488	EA		20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,987.13	2,051.29
08 33 23 13-0489	EA		20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,558.07	2,104.63
08 33 23 13-0490	EA		20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,129.71	2,159.33
08 33 23 13-0491	EA		20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,704.18	2,215.49
08 33 23 13-0492			21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0493	EA		21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,410.63	1,768.30
08 33 23 13-0494	EA		21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,713.50	1,811.12
08 33 23 13-0495	EA		21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,016.38	1,853.95
08 33 23 13-0496	EA		21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,811.27	1,896.77
08 33 23 13-0497	EA		21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,853.22	1,939.59
08 33 23 13-0498	EA		21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,648.11	1,982.41
08 33 23 13-0499	EA		21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,195.95	2,025.24
08 33 23 13-0500	EA		21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,051.65	2,098.47
08 33 23 13-0501	EA		21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,625.05	2,153.03
08 33 23 13-0502	EA		21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,199.20	2,209.00
08 33 23 13-0503	EA		21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	72,023.33	2,266.43
08 33 23 13-0504			22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0505	EA		22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,983.99	1,808.98
08 33 23 13-0506	EA		22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,041.77	1,852.79
08 33 23 13-0507	EA		22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,579.81	1,896.58
08 33 23 13-0508	EA		22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,376.67	1,940.39
08 33 23 13-0509	EA		22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,665.55	1,984.21
08 33 23 13-0510	EA		22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,462.42	2,028.01
08 33 23 13-0511	EA		22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,014.32	2,071.81
08 33 23 13-0512	EA		22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,873.38	2,146.73
08 33 23 13-0513	EA		22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,694.26	2,202.55
08 33 23 13-0514	EA		22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,518.04	2,259.82
08 33 23 13-0515	EA		22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	74,344.80	2,318.56
08 33 23 13-0516			23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0517	EA		23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,792.41	1,850.58
08 33 23 13-0518	EA		23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,605.14	1,895.39
08 33 23 13-0519	EA		23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,898.15	1,940.20
08 33 23 13-0520	EA		23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,944.07	1,985.02
08 33 23 13-0521	EA		23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,234.98	2,029.83
08 33 23 13-0522	EA		23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,033.86	2,074.65
08 33 23 13-0523	EA		23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,079.79	2,119.48
08 33 23 13-0524	EA		23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,942.32	2,196.11
08 33 23 13-0525	EA		23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,765.76	2,253.19
08 33 23 13-0526	EA		23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,839.24	2,311.79
08 33 23 13-0527	EA		23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	76,668.69	2,371.90
08 33 23 13-0528			24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0529	EA		24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,355.69	1,893.14
08 33 23 13-0530	EA		24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,678.48	1,938.99
08 33 23 13-0531	EA		24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,465.54	1,984.83
08 33 23 13-0532	EA		24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,266.48	2,030.68
08 33 23 13-0533	EA		24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,806.49	2,076.52
08 33 23 13-0534	EA		24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,854.49	2,122.37
08 33 23 13-0535	EA		24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,900.41	2,168.21
08 33 23 13-0536	EA		24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,013.51	2,246.61
08 33 23 13-0537	EA		24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	72,839.58	2,305.03
08 33 23 13-0538	EA		24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	75,915.75	2,364.95
08 33 23 13-0539	EA		24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	78,995.04	2,426.45
08 33 23 13-0540			Rytec® Powerhouse™ Door Options *(08 33 23 13-0334)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,203.36	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,266.17	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,328.98	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,391.80	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,454.61	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,517.42	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,580.23	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,643.04	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,705.85	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,768.66	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,831.47	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.28	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,957.09	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,019.91	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,082.72	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,145.53	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,208.34	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	732.80	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,800.58	

08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*

08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,865.37	1,718.62
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,987.21	1,755.14
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,109.03	1,791.66
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,232.80	1,828.18
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,354.64	1,864.71
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,693.94	1,937.74
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,810.54	1,976.50
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,928.08	2,016.02
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,047.19	2,056.35
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,167.92	2,097.48

08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,987.21	1,755.14
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,109.03	1,791.66
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,232.80	1,828.18
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,354.64	1,864.71
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,598.30	1,937.74
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,815.77	1,974.27
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,916.69	2,013.76
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,055.11	2,054.02
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,175.74	2,095.11
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,298.04	2,137.01

08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,109.03	1,791.66
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,232.80	1,828.18
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,354.64	1,864.71
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,598.30	1,937.74
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,720.13	1,974.27
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,937.60	2,010.78
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,057.43	2,051.01
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,177.95	2,092.02
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,300.11	2,133.86
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,423.94	2,176.54

08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,232.80	1,828.18
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,354.64	1,864.71
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,598.30	1,937.74
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,720.13	1,974.27
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,841.96	2,010.78
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,057.49	2,047.31
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,180.88	2,088.26
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,302.88	2,130.01
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,426.56	2,172.62
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,551.94	2,216.07
08 33 23 13-0610		**12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,354.64	1,864.71
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,598.30	1,937.74
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,720.13	1,974.27
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,841.96	2,010.78
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,963.78	2,047.31
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,181.26	2,083.83
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,304.33	2,125.51
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,427.83	2,168.01
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,553.02	2,211.38
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,682.05	2,255.60
08 33 23 13-0622		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,476.47	1,901.22
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,598.30	1,937.74
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,720.13	1,974.27
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,841.96	2,010.78
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,963.78	2,047.31
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,085.62	2,083.83
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,303.09	2,120.34
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,427.77	2,162.76
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,552.76	2,206.00
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,679.49	2,250.13
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,807.95	2,295.13
08 33 23 13-0634		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,693.94	1,937.74
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,815.77	1,974.27
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,937.60	2,010.78
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,057.49	2,047.31
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,181.26	2,083.83
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,303.09	2,120.34
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,415.23	2,156.87
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,540.75	2,200.01
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,667.23	2,244.00
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,795.46	2,288.89
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,925.50	2,334.66
08 33 23 13-0646		**15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,810.54	1,976.50
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,936.08	2,013.76
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,057.43	2,051.01
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,180.88	2,088.26
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,304.33	2,125.51
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,427.77	2,162.76
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,540.75	2,200.01
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,667.23	2,244.00
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,795.46	2,288.89
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,925.50	2,334.66
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,057.35	2,381.37
08 33 23 13-0658		**16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,928.08	2,016.02
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,055.11	2,054.02
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,177.95	2,092.02
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,302.88	2,130.01
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,427.83	2,168.01
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,552.76	2,206.00
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,667.23	2,244.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,795.46	2,288.89
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,925.50	2,334.66
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,057.35	2,381.37
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,193.18	2,428.98
08 33 23 13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,047.19	2,056.35
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,175.74	2,095.11
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,300.11	2,133.86
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,426.56	2,172.62
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,553.02	2,211.38
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,679.49	2,250.13
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,795.46	2,288.89
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,925.50	2,334.66
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,057.35	2,381.37
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,193.18	2,428.98
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,328.82	2,477.56
08 33 23 13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,400.32	2,097.48
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,528.35	2,137.01
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,656.34	2,176.54
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,782.25	2,216.07
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,912.36	2,255.60
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,038.26	2,295.13
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,157.90	2,334.66
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,289.75	2,381.37
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,423.49	2,428.98
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,559.12	2,477.56
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	63,696.70	2,527.12
08 33 23 13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,868.15	2,139.43
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,999.84	2,179.75
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,127.34	2,220.07
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,256.92	2,260.39
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,386.51	2,300.72
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,516.09	2,341.03
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,635.21	2,381.37
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,768.95	2,428.98
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,904.59	2,477.56
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	64,042.16	2,527.12
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	65,183.81	2,577.66
08 33 23 13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,684.66	2,182.65
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,818.77	2,222.75
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,947.26	2,264.28
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,079.26	2,305.82
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,209.83	2,347.35
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,340.42	2,387.45
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,461.96	2,428.98
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	63,597.82	2,477.68
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	64,735.13	2,527.80
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	65,875.28	2,577.93
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	67,016.88	2,629.49
08 33 23 13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0560)*		
08 33 23 13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,993.29	1,145.75
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,850.38	1,170.09
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,707.49	1,194.44
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,560.71	1,218.78
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,417.80	1,243.14
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,212.12	1,291.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,850.38	1,170.09
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,707.49	1,194.44
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,560.71	1,218.78
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,417.80	1,243.14
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.98	1,291.83
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,069.23	1,316.18
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,707.49	1,194.44
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,560.71	1,218.78
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,417.80	1,243.14
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.98	1,291.83
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,989.09	1,316.18
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,926.32	1,340.52
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,560.71	1,218.78
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,417.80	1,243.14
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.98	1,291.83
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,989.09	1,316.18
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,846.18	1,340.52
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,779.53	1,364.87
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,417.80	1,243.14
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.98	1,291.83
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,989.09	1,316.18
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,846.18	1,340.52
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,703.28	1,364.87
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	55,636.62	1,389.22
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,274.89	1,267.49
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.98	1,291.83
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,989.09	1,316.18
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,846.18	1,340.52
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,703.28	1,364.87
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,560.37	1,389.22
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	56,493.73	1,413.56
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,212.12	1,291.83
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,069.23	1,316.18
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,926.32	1,340.52
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,779.53	1,364.87
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	55,636.62	1,389.22
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	56,493.73	1,413.56
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	57,350.83	1,437.91
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0560)*		
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,223.02	1,145.75
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,080.11	1,170.09
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,937.22	1,194.44
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,792.37	1,218.78
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,649.46	1,243.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,491.73	1,261.03
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,353.41	1,267.49
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,080.11	1,170.09
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,937.22	1,194.44
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,792.37	1,218.78
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,649.46	1,243.14
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,504.61	1,267.49
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,343.10	1,282.52
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,306.46	1,291.83
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,937.22	1,194.44
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,792.37	1,218.78
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,649.46	1,243.14
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,504.61	1,267.49
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,361.71	1,291.83
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,205.92	1,309.74
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,403.96	1,316.18
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,792.37	1,218.78
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,649.46	1,243.14
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,504.61	1,267.49
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,361.71	1,291.83
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,218.82	1,316.18
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,063.01	1,334.08
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,501.44	1,340.52
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,649.46	1,243.14
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,504.61	1,267.49
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,361.71	1,291.83
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,218.82	1,316.18
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,075.91	1,340.52
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,917.24	1,357.00
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,598.91	1,364.87
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,504.61	1,267.49
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,361.71	1,291.83
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,218.82	1,316.18
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,075.91	1,340.52
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,933.00	1,364.87
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,775.78	1,382.06
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,696.39	1,389.22
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,402.10	1,291.83
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,499.60	1,316.18
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,597.08	1,340.52
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	49,692.62	1,364.87
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	50,792.03	1,389.22
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	51,876.63	1,407.12
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	51,889.52	1,413.56
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0560)*		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,532.97	1,145.75
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,622.23	1,170.09
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,709.41	1,194.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,372.35	1,218.78
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,037.37	1,243.14
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,702.40	1,267.49
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,367.43	1,291.83
08 33 23 13-0841		**9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,622.23	1,170.09
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,709.41	1,194.44
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,796.58	1,218.78
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,461.61	1,243.14
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,124.54	1,267.49
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,789.57	1,291.83
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,465.08	1,316.18
08 33 23 13-0849		**10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,709.41	1,194.44
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,796.58	1,218.78
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,883.75	1,243.14
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,548.77	1,267.49
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,211.71	1,291.83
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,876.75	1,316.18
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,562.72	1,340.52
08 33 23 13-0857		**11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,796.58	1,218.78
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,883.75	1,243.14
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,970.91	1,267.49
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,635.94	1,291.83
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,300.99	1,316.18
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,963.92	1,340.52
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,658.26	1,364.87
08 33 23 13-0865		**12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,883.75	1,243.14
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,970.91	1,267.49
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,058.08	1,291.83
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,723.12	1,316.18
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,388.15	1,340.52
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,051.08	1,364.87
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	61,757.99	1,389.22
08 33 23 13-0873		**13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,970.91	1,267.49
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,058.08	1,291.83
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,145.26	1,316.18
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,810.29	1,340.52
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,475.32	1,364.87
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	61,140.34	1,389.22
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	62,855.63	1,413.56
08 33 23 13-0881		**14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,058.08	1,291.83
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,145.26	1,316.18
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,232.43	1,340.52
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,897.46	1,364.87
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,562.48	1,389.22
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	62,227.52	1,413.56
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	63,942.81	1,437.91
08 33 23 13-0889		**Rytec® Spiral® Door Options** *(08 33 23 13-0560)*		
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	630.05	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,190.07	71.61
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,426.99	143.22
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,150.74	143.22
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,994.04	143.22
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	732.80	

08 33 23 13-0900 Activation And Control Box Options For High Speed Doors *(08 33 23 13)*

08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	298.31	71.61
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	226.70	35.81
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	284.86	35.81
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	197.62	35.81
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	304.24	35.81
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	498.10	35.81
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	546.57	35.81
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	844.88	64.45
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,131.32	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	727.99	64.45
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	951.50	64.45
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	822.60	42.97
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	569.71	71.61
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	773.27	71.61
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	879.89	71.61
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,093.14	71.61

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (scissor lift) where required. See CSI section 01 22 23 00-1104 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,103.28	252.34
		For Lexan Lattice Pattern, Add	*207.43*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*166.01*	
		For Staggered Brick Pattern, Add	*224.72*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,350.02	252.34
		For Lexan Lattice Pattern, Add	*244.44*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*304.34*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,840.59	315.43
		For Lexan Lattice Pattern, Add	*290.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*332.03*	
		For Staggered Brick Pattern, Add	*383.96*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,196.43	315.43
		For Lexan Lattice Pattern, Add	*344.14*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,471.03	504.69
		For Lexan Lattice Pattern, Add	*454.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*664.05*	
		For Staggered Brick Pattern, Add	*766.04*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,558.08	630.87
		For Lexan Lattice Pattern, Add	*563.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*988.87*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,968.91	757.04
		For Lexan Lattice Pattern, Add	*721.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,496.49	925.27
		For Lexan Lattice Pattern, Add	*879.19*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,282.12	252.34
		For Lexan Lattice Pattern, Add	*234.26*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*207.51*	
		For Staggered Brick Pattern, Add	*266.98*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,609.13	252.34
		For Lexan Lattice Pattern, Add	*283.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.26*	
		For Staggered Brick Pattern, Add	*379.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,126.89	315.43
		For Lexan Lattice Pattern, Add	*334.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*415.04*	
		For Staggered Brick Pattern, Add	*491.27*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,572.54	315.43
		For Lexan Lattice Pattern, Add	*400.97*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,966.33	504.69
		For Lexan Lattice Pattern, Add	*528.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*986.65*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,169.84	630.87
		For Lexan Lattice Pattern, Add	*655.64*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,037.58*	
		For Staggered Brick Pattern, Add	*1,257.74*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,708.05	757.04
		For Lexan Lattice Pattern, Add	*832.02*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,637.80	925.27
		For Lexan Lattice Pattern, Add	*1,050.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,486.92	252.34
		For Lexan Lattice Pattern, Add	*264.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*308.61*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,546.20	252.34
		For Lexan Lattice Pattern, Add	*273.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*373.53*	
		For Staggered Brick Pattern, Add	*452.64*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,109.80	315.43
		For Lexan Lattice Pattern, Add	*331.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.03*	
		For Staggered Brick Pattern, Add	*596.67*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,000.94	315.43
		For Lexan Lattice Pattern, Add	*464.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,666.50	504.69
		For Lexan Lattice Pattern, Add	*633.33*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.06*	
		For Staggered Brick Pattern, Add	*1,230.04*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,144.47	630.87
		For Lexan Lattice Pattern, Add	*801.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.09*	
		For Staggered Brick Pattern, Add	*1,575.33*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,655.22	757.04
		For Lexan Lattice Pattern, Add	*974.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,765.44	925.27
		For Lexan Lattice Pattern, Add	*1,219.54*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,853.22	252.34
		For Lexan Lattice Pattern, Add	*319.92*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*290.41*	
		For Staggered Brick Pattern, Add	*570.82*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,253.15	252.34
		For Lexan Lattice Pattern, Add	*379.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*435.71*	
		For Staggered Brick Pattern, Add	*700.89*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,836.49	315.43
		For Lexan Lattice Pattern, Add	*440.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*580.99*	
		For Staggered Brick Pattern, Add	*816.13*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,676.62	315.43
		For Lexan Lattice Pattern, Add	*566.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,365.07	504.69
		For Lexan Lattice Pattern, Add	*738.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,162.09*	
		For Staggered Brick Pattern, Add	*1,384.53*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,863.26	630.87
		For Lexan Lattice Pattern, Add	*909.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,452.60*	
		For Staggered Brick Pattern, Add	*1,734.14*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,401.50	757.04
		For Lexan Lattice Pattern, Add	*1,086.04*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,981.20	925.27
		For Lexan Lattice Pattern, Add	*1,401.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	109.42	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,663.35	705.61
		For Lexan Lattice Pattern, Add	*247.07*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.04*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	5,008.23	906.40
		For Lexan Lattice Pattern, Add	*362.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*763.94*	
		For Staggered Brick Pattern, Add	*870.03*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,441.84	1,142.89
		For Lexan Lattice Pattern, Add	*476.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,577.01	1,261.73
		For Lexan Lattice Pattern, Add	*595.59*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,355.99	804.50
		For Lexan Lattice Pattern, Add	*308.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,978.80	1,033.30
		For Lexan Lattice Pattern, Add	*453.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*916.85*	
		For Staggered Brick Pattern, Add	*1,086.56*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,621.01	1,302.47
		For Lexan Lattice Pattern, Add	*584.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,088.36	1,438.37
		For Lexan Lattice Pattern, Add	*744.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	5,059.48	906.40
		For Lexan Lattice Pattern, Add	*370.46*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,962.01	1,164.16
		For Lexan Lattice Pattern, Add	*543.61*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,103.00*	
		For Staggered Brick Pattern, Add	*1,348.99*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,937.13	1,467.82
		For Lexan Lattice Pattern, Add	*714.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,584.77	1,619.23
		For Lexan Lattice Pattern, Add	*893.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,748.80	1,002.18
		For Lexan Lattice Pattern, Add	*433.16*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,939.31	1,286.97
		For Lexan Lattice Pattern, Add	*634.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,260.60*	
		For Staggered Brick Pattern, Add	*1,498.82*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	10,180.59	1,622.59
		For Lexan Lattice Pattern, Add	*833.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	12,062.73	1,791.66
		For Lexan Lattice Pattern, Add	*1,041.75*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	16,063.75	705.61
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	16,658.42	705.61
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	17,253.10	705.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,458.66	1,067.16
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*532.54*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	9,564.45	1,354.78
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*677.39*	

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,989.92	852.29
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,751.79	961.08
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,734.21	1,266.58
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,232.22	774.39

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	3,024.79	503.71

08 34 16 Hangar Doors *(08 34)*

08 34 16 00-0001 Bi-Parting Horizontal Rolling And Sliding Steel Hanger Door *(08 34 16)*

Note: Includes electrical motorized drive system, fail-safe safety edge, LED warning device, push button control device, hot rolled or cold formed structural steel frame with overhead track and ground rails, bottom rollers, and special hardware. The operator power supplied through a drape wire system where the cable is draped from leaf to leaf.

08 34 16 00-0002	SF	70' To 120' Wide X To 20' High, 25' Panels, Sliding Hangar Door	86.18	20.22
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*8.62*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	
08 34 16 00-0003	SF	120' To 180' Wide X To 20' High, 25' Panels, Sliding Hangar Door	74.61	20.22
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*7.46*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	
08 34 16 00-0004	SF	120' To 180' Wide X 20-40' High, 25' Panels, Sliding Hangar Door	74.88	4.33
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*7.49*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	
08 34 16 00-0005	SF	120' To 180' Wide X 40-60' High, 25' Panels, Sliding Hangar Door	80.11	2.89
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*8.01*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	
08 34 16 00-0006	SF	120' To 180' Wide X 60-80' High, 25' Panels, Sliding Hangar Door	85.07	2.89
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*8.51*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	
08 34 16 00-0007	SF	150' To 200' Wide x >80' High, 25' Panels, Sliding Hangar Door	85.92	2.89
		Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.		
		For Unidirectional Door Type, Add	*8.59*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*16.21*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*11.00*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.91*	

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,273.01	255.07
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,552.83	266.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,624.19	272.26
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,798.35	277.99
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,082.44	292.30
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,118.10	285.58
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,345.06	292.30
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,446.44	299.04
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,679.13	305.77
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,076.00	322.96
08 34 23 00-0013		**Double Leaf Aluminum Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD Series.		
08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,500.61	285.58
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,610.62	305.77
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,313.02	340.14
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,398.65	340.14
08 34 23 00-0018		**Single Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,077.98	255.07
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,414.89	266.53
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,629.02	272.26
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,974.45	277.99
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,406.98	292.30
08 34 23 00-0024		**Double Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,414.05	285.58
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,551.68	305.77
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,418.72	340.14
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,059.05	340.14
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	2,016.35	255.07
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,121.69	266.53
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,353.99	272.26
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,627.00	277.99
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,048.49	292.30
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,889.33	285.58
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,265.45	292.30
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,261.93	299.04
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,638.08	305.77
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,880.81	322.96
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,540.19	285.58
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,712.66	305.77
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,618.49	340.14
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,754.09	340.14
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,433.34	255.07
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,620.04	266.53
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,750.69	272.26
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,416.93	277.99
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,204.53	292.30
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,723.30	285.58
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,377.14	305.77
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,472.86	340.14
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,222.01	340.14
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)*		
		Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,109.33	255.07
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,946.09	266.53
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,265.72	272.26
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,591.38	277.99
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	6,366.62	292.30

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0062		**Custom Size, Single Leaf, Aluminum** *(08 34 23 00-0001)* Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.		
08 34 23 00-0063		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0062)* Note: 300 Lbs./SF live load, Bilco J series		
08 34 23 00-0064	EA	Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,544.08	191.20
08 34 23 00-0065	EA	Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,795.07	195.49
08 34 23 00-0066	EA	Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,046.09	199.79
08 34 23 00-0067	EA	Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,207.66	204.08
08 34 23 00-0068	EA	Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,734.46	195.49
08 34 23 00-0069	EA	Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,017.23	199.79
08 34 23 00-0070	EA	Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,268.27	204.08
08 34 23 00-0071	EA	Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,398.08	208.38
08 34 23 00-0072	EA	Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,956.62	199.79
08 34 23 00-0073	EA	Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,207.66	204.08
08 34 23 00-0074	EA	Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,426.94	208.38
08 34 23 00-0075	EA	Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,802.06	214.11
08 34 23 00-0076	EA	Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,175.91	204.08
08 34 23 00-0077	EA	Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,366.33	208.38
08 34 23 00-0078	EA	Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,591.37	214.11
08 34 23 00-0079	EA	Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,025.63	219.12
08 34 23 00-0080	EA	Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,337.47	208.38
08 34 23 00-0081	EA	Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,591.37	214.11
08 34 23 00-0082	EA	Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,965.03	219.12
08 34 23 00-0083	EA	Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,399.32	224.13
08 34 23 00-0084	EA	Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,499.02	214.11
08 34 23 00-0085	EA	Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,812.07	219.12
08 34 23 00-0086	EA	Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,278.10	224.13
08 34 23 00-0087	EA	Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,894.22	229.15
08 34 23 00-0088	EA	Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,690.90	219.12
08 34 23 00-0089	EA	Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,096.33	224.13
08 34 23 00-0090	EA	Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,530.63	229.15
08 34 23 00-0091	EA	Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,210.23	235.60
08 34 23 00-0092	EA	Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,882.82	224.13
08 34 23 00-0093	EA	Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,256.51	229.30
08 34 23 00-0094	EA	Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,754.30	235.74
08 34 23 00-0095	EA	Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,465.60	242.18
08 34 23 00-0096	EA	Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,045.82	229.30
08 34 23 00-0097	EA	Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,664.83	235.74
08 34 23 00-0098	EA	Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,130.81	242.18
08 34 23 00-0099	EA	Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,709.38	248.62
08 34 23 00-0100		**Single Leaf Aluminum H2O Drainage Door** *(08 34 23 00-0062)* Note: AASHTO H-20 wheel loading, Bilco J H2O series		
08 34 23 00-0101	EA	Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,454.65	191.20
08 34 23 00-0102	EA	Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,887.47	195.49
08 34 23 00-0103	EA	Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,380.92	199.79
08 34 23 00-0104	EA	Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,116.82	204.08
08 34 23 00-0105	EA	Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,645.04	195.49
08 34 23 00-0106	EA	Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,167.35	199.79
08 34 23 00-0107	EA	Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,782.03	204.08
08 34 23 00-0108	EA	Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,336.10	208.38
08 34 23 00-0109	EA	Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,924.92	199.79
08 34 23 00-0110	EA	Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,631.96	204.08
08 34 23 00-0111	EA	Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,336.10	208.38
08 34 23 00-0112	EA	Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,985.39	214.11
08 34 23 00-0113	EA	Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,724.31	204.08
08 34 23 00-0114	EA	Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,851.24	208.38
08 34 23 00-0115	EA	Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,561.14	214.11
08 34 23 00-0116	EA	Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,318.64	219.12
08 34 23 00-0117	EA	Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,519.34	208.38
08 34 23 00-0118	EA	Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,318.71	214.11
08 34 23 00-0119	EA	Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,116.62	219.12
08 34 23 00-0120	EA	Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,972.27	224.13
08 34 23 00-0121	EA	Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,955.06	214.11
08 34 23 00-0122	EA	Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,478.79	219.12
08 34 23 00-0123	EA	Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,571.11	224.13
08 34 23 00-0124	EA	Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,588.39	229.15
08 34 23 00-0125	EA	Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,328.77	219.12
08 34 23 00-0126	EA	Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,328.73	224.13
08 34 23 00-0127	EA	Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,436.95	229.15
08 34 23 00-0128	EA	Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,204.59	235.60
08 34 23 00-0129	EA	Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,005.55	224.13
08 34 23 00-0130	EA	Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,650.53	229.30
08 34 23 00-0131	EA	Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,206.08	235.74
08 34 23 00-0132	EA	Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,941.94	242.18
08 34 23 00-0133	EA	Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,347.49	229.30
08 34 23 00-0134	EA	Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,084.82	235.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0135	EA	Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,660.52	242.18
08 34 23 00-0136	EA	Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,635.95	248.62
08 34 23 00-0137		**Custom Size, Double Leaf, Aluminum** *(08 34 23 00-0001)*		
		Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.		
08 34 23 00-0138		**Double Leaf Aluminum Drainage Door** *(08 34 23 00-0137)*		
		Note: 300 Lbs./SF live load, Bilco J series		
08 34 23 00-0139	EA	Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	3,972.41	208.38
08 34 23 00-0140	EA	Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,165.70	214.11
08 34 23 00-0141	EA	Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,328.67	219.12
08 34 23 00-0142	EA	Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,641.75	224.13
08 34 23 00-0143	EA	Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,923.08	229.15
08 34 23 00-0144	EA	Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,136.84	214.11
08 34 23 00-0145	EA	Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,418.14	219.12
08 34 23 00-0146	EA	Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,702.36	224.13
08 34 23 00-0147	EA	Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,923.08	229.15
08 34 23 00-0148	EA	Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,210.16	235.60
08 34 23 00-0149	EA	Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,389.33	219.12
08 34 23 00-0150	EA	Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,823.62	224.13
08 34 23 00-0151	EA	Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,983.75	229.15
08 34 23 00-0152	EA	Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,299.70	235.60
08 34 23 00-0153	EA	Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,586.74	242.04
08 34 23 00-0154	EA	Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,823.62	224.13
08 34 23 00-0155	EA	Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,076.10	229.15
08 34 23 00-0156	EA	Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,089.01	235.60
08 34 23 00-0157	EA	Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,647.35	242.04
08 34 23 00-0158	EA	Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,922.89	248.48
08 34 23 00-0159	EA	Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,015.49	229.15
08 34 23 00-0160	EA	Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,360.30	235.60
08 34 23 00-0161	EA	Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,647.35	242.04
08 34 23 00-0162	EA	Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,983.50	248.48
08 34 23 00-0163	EA	Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,579.38	254.93
08 34 23 00-0164	EA	Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,270.83	235.60
08 34 23 00-0165	EA	Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,707.96	242.04
08 34 23 00-0166	EA	Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,044.11	248.48
08 34 23 00-0167	EA	Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,429.30	254.93
08 34 23 00-0168	EA	Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,410.46	262.09
08 34 23 00-0169	EA	Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,788.77	242.04
08 34 23 00-0170	EA	Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,234.59	248.48
08 34 23 00-0171	EA	Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,489.91	254.93
08 34 23 00-0172	EA	Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,168.03	262.09
08 34 23 00-0173	EA	Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	8,228.53	269.96
08 34 23 00-0174	EA	Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,113.37	248.48
08 34 23 00-0175	EA	Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,489.91	254.93
08 34 23 00-0176	EA	Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,836.14	262.09
08 34 23 00-0177	EA	Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,608.03	269.96
08 34 23 00-0178	EA	Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	8,833.05	277.85
08 34 23 00-0179	EA	Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,368.69	254.93
08 34 23 00-0180	EA	Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,274.82	262.09
08 34 23 00-0181	EA	Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,576.28	269.96
08 34 23 00-0182	EA	Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,975.89	277.85
08 34 23 00-0183	EA	Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	9,515.52	285.86
08 34 23 00-0184		**Double Leaf Aluminum H2O Drainage Door** *(08 34 23 00-0137)*		
		Note: AASHTO H-20 wheel loading, Bilco J H2O series		
08 34 23 00-0185	EA	Approx. 3' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,805.17	199.79
08 34 23 00-0186	EA	Approx. 3'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,480.46	204.08
08 34 23 00-0187	EA	Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,913.31	208.38
08 34 23 00-0188	EA	Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,074.86	214.11
08 34 23 00-0189	EA	Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,872.77	219.12
08 34 23 00-0190	EA	Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,064.63	224.13
08 34 23 00-0191	EA	Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,830.82	229.15
08 34 23 00-0192	EA	Approx. 3' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,056.26	204.08
08 34 23 00-0193	EA	Approx. 3'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,002.83	208.38
08 34 23 00-0194	EA	Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,317.34	214.11
08 34 23 00-0195	EA	Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,771.80	219.12
08 34 23 00-0196	EA	Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,448.53	224.13
08 34 23 00-0197	EA	Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,877.06	229.15
08 34 23 00-0198	EA	Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,813.51	235.60
08 34 23 00-0199	EA	Approx. 3' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,668.10	208.38
08 34 23 00-0200	EA	Approx. 3'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,530.96	214.11
08 34 23 00-0201	EA	Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,054.69	219.12
08 34 23 00-0202	EA	Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,307.17	224.13
08 34 23 00-0203	EA	Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,555.33	229.30
08 34 23 00-0204	EA	Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,903.05	235.74
08 34 23 00-0205	EA	Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,853.89	242.18
08 34 23 00-0206	EA	Approx. 3' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,196.22	214.26
08 34 23 00-0207	EA	Approx. 3'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,144.22	219.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0208	EA	Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,564.08	224.28
08 34 23 00-0209	EA	Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,209.06	229.30
08 34 23 00-0210	EA	Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,105.13	235.74
08 34 23 00-0211	EA	Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,853.95	242.18
08 34 23 00-0212	EA	Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,599.92	248.62
08 34 23 00-0213	EA	Approx. 3'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,578.57	224.28
08 34 23 00-0214	EA	Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,636.26	229.30
08 34 23 00-0215	EA	Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,113.85	235.74
08 34 23 00-0216	EA	Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,983.89	242.18
08 34 23 00-0217	EA	Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,377.76	248.62
08 34 23 00-0218	EA	Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,374.81	255.07
08 34 23 00-0219	EA	Approx. 3'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,284.16	229.30
08 34 23 00-0220	EA	Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,324.53	235.74
08 34 23 00-0221	EA	Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,258.07	242.18
08 34 23 00-0222	EA	Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,545.16	248.62
08 34 23 00-0223	EA	Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,677.85	255.07
08 34 23 00-0224	EA	Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,055.85	262.23
08 34 23 00-0225	EA	Approx. 3'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,960.89	235.74
08 34 23 00-0226	EA	Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,734.27	242.18
08 34 23 00-0227	EA	Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,998.27	248.62
08 34 23 00-0228	EA	Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,130.96	255.07
08 34 23 00-0229	EA	Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,751.39	262.23
08 34 23 00-0230	EA	Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	16,462.73	270.11
08 34 23 00-0231	EA	Approx. 3'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,957.92	242.18
08 34 23 00-0232	EA	Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,483.13	248.62
08 34 23 00-0233	EA	Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,617.24	255.07
08 34 23 00-0234	EA	Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,826.43	262.23
08 34 23 00-0235	EA	Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	14,468.45	270.11
08 34 23 00-0236	EA	Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	17,627.16	277.99
08 34 23 00-0237	EA	Approx. 3'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,240.70	248.62
08 34 23 00-0238	EA	Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,767.32	255.07
08 34 23 00-0239	EA	Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,803.34	262.23
08 34 23 00-0240	EA	Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	14,387.64	270.11
08 34 23 00-0241	EA	Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	16,126.41	277.99
08 34 23 00-0242	EA	Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	18,641.54	285.86
08 34 23 00-0243		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0244		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - Q Series.		
08 34 23 00-0245	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,535.75	255.07
08 34 23 00-0246	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,849.70	266.53
08 34 23 00-0247	EA	2'-6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,978.24	272.26
08 34 23 00-0248	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,061.01	277.99
08 34 23 00-0249	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,590.54	292.30
08 34 23 00-0250	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,335.10	285.58
08 34 23 00-0251	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,630.51	292.30
08 34 23 00-0252	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,931.54	299.04
08 34 23 00-0253	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,096.00	305.77
08 34 23 00-0254	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,544.52	322.96
08 34 23 00-0255		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - K Series.		
08 34 23 00-0256	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,256.01	255.07
08 34 23 00-0257	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,524.28	266.53
08 34 23 00-0258	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,687.08	272.26
08 34 23 00-0259	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,786.98	277.99
08 34 23 00-0260	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,071.02	292.30
08 34 23 00-0261		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - QD Series.		
08 34 23 00-0262	EA	4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,985.92	285.58
08 34 23 00-0263		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - KD Series.		
08 34 23 00-0264	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,839.09	305.77
08 34 23 00-0265	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	4,015.37	340.14
08 34 23 00-0266	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	4,083.87	340.14
08 34 23 00-0267		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - T Series.		
08 34 23 00-0268	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,410.15	255.07
08 34 23 00-0269	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,638.46	266.53
08 34 23 00-0270	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,744.17	272.26
08 34 23 00-0271	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,906.87	277.99
08 34 23 00-0272	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,230.88	292.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0273		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - TD Series.		
08 34 23 00-0274	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,033.20	305.77
08 34 23 00-0275	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	4,215.18	340.14
08 34 23 00-0276	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	4,277.98	340.14
08 34 23 00-0277		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - Q Series.		
08 34 23 00-0278	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,406.29	255.07
08 34 23 00-0279	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,558.96	266.53
08 34 23 00-0280	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,764.23	272.26
08 34 23 00-0281	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,860.93	277.99
08 34 23 00-0282	EA	3'-6" x 3'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	2,417.80	292.30
08 34 23 00-0283	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,359.22	277.99
08 34 23 00-0284		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - QD Series.		
08 34 23 00-0285	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,787.63	285.58
08 34 23 00-0286		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0287	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,405.44	322.24
08 34 23 00-0288	EA	30" High x 47" Wide x 58" Long, Basement Door	1,105.35	244.19
08 34 23 00-0289	EA	22" High x 51" Wide x 64" Long, Basement Door	1,163.57	268.53
08 34 23 00-0290	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,242.80	286.44
08 34 23 00-0291	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,380.83	322.24
08 34 49		**Radiation Shielding Doors and Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors and Frames** *(08 34 49)*		
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	142.00	14.33
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	173.85	14.33
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	153.57	14.33
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	164.19	14.33
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors, Bullet Resistant** *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	83.39	9.85
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,414.75	492.08
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	4,048.75	522.36
08 34 53 00-0005		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.	722.60	90.12
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O) Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.	722.60	90.12
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O) Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.	993.79	90.12
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	992.90	272.71
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,115.31	306.80
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,210.61	340.89
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,333.01	374.98
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,094.44	276.12
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,190.02	310.21
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,305.53	344.30
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,408.41	378.39
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,141.91	279.53
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,237.11	313.62
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,305.22	330.67
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,373.68	347.71
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,475.78	381.80
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,230.23	282.94
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,325.02	317.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,399.82	334.07
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,489.33	351.12
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,624.63	385.21
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,366.08	289.76
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,481.13	327.26
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,589.75	347.71
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,652.34	357.94
08 34 56 00-0024		Pivoting Single Folding Gate *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	680.13	190.90
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	720.87	197.72
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	761.64	204.54
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	816.04	218.17
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	856.87	231.81
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	720.67	197.72
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	761.73	204.54
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	802.48	211.35
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	856.81	224.98
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	897.96	238.63
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	774.97	204.54
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	816.04	211.35
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	856.69	218.17
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	911.26	231.81
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	965.97	245.44
08 34 56 00-0040		Window Gates, Expands From 2' To 4' *(08 34 56)*		
		Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	273.78	74.99
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	287.41	81.82
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	287.41	81.82
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	301.59	88.63
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	301.59	88.63
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	315.22	95.45
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	315.23	95.45
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	328.86	102.26
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	328.86	102.26
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	342.49	109.09
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	342.49	109.09
08 34 56 00-0052		Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)*		
		Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	356.13	115.91
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	357.78	115.91
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	373.61	122.72
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	389.44	129.54
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	391.64	129.54
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	407.47	136.35
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	409.66	136.35
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	424.81	143.18
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	427.69	143.18

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assembly *(08 34 73 13)*

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*

Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2087 for exit devices (panic bar).

08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,890.34	257.80
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*586.67*	
		For 45 Minutes Fire Rated, Add	*247.02*	
		For 60 Minutes Fire Rated, Add	*370.53*	
		For 90 Minutes Fire Rated, Add	*617.54*	
		For 120 Minutes Fire Rated, Add	*864.56*	
		For 45 STC Rating, Deduct	*-1,033.36*	
		For 48 STC Rating, Deduct	*-741.05*	
		For 52 STC Rating, Add	*576.37*	
		For 56 STC Rating, Add	*1,564.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,171.25	268.53
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*622.10*	
		For 45 Minutes Fire Rated, Add	*261.94*	
		For 60 Minutes Fire Rated, Add	*392.91*	
		For 90 Minutes Fire Rated, Add	*654.85*	
		For 120 Minutes Fire Rated, Add	*916.78*	
		For 45 STC Rating, Deduct	*-1,095.78*	
		For 48 STC Rating, Deduct	*-785.82*	
		For 52 STC Rating, Add	*611.19*	
		For 56 STC Rating, Add	*1,658.94*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,484.37	290.02
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*657.54*	
		For 45 Minutes Fire Rated, Add	*276.86*	
		For 60 Minutes Fire Rated, Add	*415.29*	
		For 90 Minutes Fire Rated, Add	*692.15*	
		For 120 Minutes Fire Rated, Add	*969.01*	
		For 45 STC Rating, Deduct	*-1,158.19*	
		For 48 STC Rating, Deduct	*-830.58*	
		For 52 STC Rating, Add	*646.00*	
		For 56 STC Rating, Add	*1,753.44*	
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated	9,703.34	489.80
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,173.33*	
		For 45 Minutes Fire Rated, Add	*494.04*	
		For 60 Minutes Fire Rated, Add	*741.05*	
		For 90 Minutes Fire Rated, Add	*1,235.09*	
		For 120 Minutes Fire Rated, Add	*1,729.12*	
		For 45 STC Rating, Deduct	*-2,066.71*	
		For 48 STC Rating, Deduct	*-1,482.11*	
		For 52 STC Rating, Add	*1,152.75*	
		For 56 STC Rating, Add	*3,128.89*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	10,213.58	494.10
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,244.21*	
		For 45 Minutes Fire Rated, Add	*523.88*	
		For 60 Minutes Fire Rated, Add	*785.81*	
		For 90 Minutes Fire Rated, Add	*1,309.69*	
		For 120 Minutes Fire Rated, Add	*1,833.57*	
		For 45 STC Rating, Deduct	*-2,191.55*	
		For 48 STC Rating, Deduct	*-1,571.63*	
		For 52 STC Rating, Add	*1,222.38*	
		For 56 STC Rating, Add	*3,317.88*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,484.80	161.83
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*665.87*	
		For 45 Minutes Fire Rated, Add	*280.37*	
		For 60 Minutes Fire Rated, Add	*420.55*	
		For 90 Minutes Fire Rated, Add	*700.91*	
		For 120 Minutes Fire Rated, Add	*981.28*	
		For 45 STC Rating, Deduct	*-1,172.86*	
		For 48 STC Rating, Deduct	*-841.10*	
		For 52 STC Rating, Add	*654.19*	
		For 56 STC Rating, Add	*1,775.65*	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,799.98	282.14
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*706.09*	
		For 45 Minutes Fire Rated, Add	*297.30*	
		For 60 Minutes Fire Rated, Add	*445.95*	
		For 90 Minutes Fire Rated, Add	*743.25*	
		For 120 Minutes Fire Rated, Add	*1,040.55*	
		For 45 STC Rating, Deduct	*-1,243.71*	
		For 48 STC Rating, Deduct	*-891.90*	
		For 52 STC Rating, Add	*693.70*	
		For 56 STC Rating, Add	*1,882.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	6,150.98	305.06
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*746.31*	
		For 45 Minutes Fire Rated, Add	*314.23*	
		For 60 Minutes Fire Rated, Add	*471.35*	
		For 90 Minutes Fire Rated, Add	*785.59*	
		For 120 Minutes Fire Rated, Add	*1,099.82*	
		For 45 STC Rating, Deduct	*-1,314.55*	
		For 48 STC Rating, Deduct	*-942.70*	
		For 52 STC Rating, Add	*733.21*	
		For 56 STC Rating, Add	*1,990.15*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated	10,332.17	514.15
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,252.53*	
		For 45 Minutes Fire Rated, Add	*527.38*	
		For 60 Minutes Fire Rated, Add	*791.07*	
		For 90 Minutes Fire Rated, Add	*1,318.46*	
		For 120 Minutes Fire Rated, Add	*1,845.84*	
		For 45 STC Rating, Deduct	*-2,206.22*	
		For 48 STC Rating, Deduct	*-1,582.15*	
		For 52 STC Rating, Add	*1,230.56*	
		For 56 STC Rating, Add	*3,340.09*	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	10,877.42	518.45
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,328.19*	
		For 45 Minutes Fire Rated, Add	*559.24*	
		For 60 Minutes Fire Rated, Add	*838.86*	
		For 90 Minutes Fire Rated, Add	*1,398.09*	
		For 120 Minutes Fire Rated, Add	*1,957.33*	
		For 45 STC Rating, Deduct	*-2,339.48*	
		For 48 STC Rating, Deduct	*-1,677.71*	
		For 52 STC Rating, Add	*1,304.89*	
		For 56 STC Rating, Add	*3,541.84*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,476.63	143.22
		For 8' Height, Add	*333.93*	
		For 45 Minutes Fire Rated, Add	*203.26*	
		For 60 Minutes Fire Rated, Add	*348.45*	
		For 90 Minutes Fire Rated, Add	*493.64*	
		For 120 Minutes Fire Rated, Add	*696.90*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,558.89	143.22
		For 8' Height, Add	*343.39*	
		For 45 Minutes Fire Rated, Add	*209.02*	
		For 60 Minutes Fire Rated, Add	*358.32*	
		For 90 Minutes Fire Rated, Add	*507.62*	
		For 120 Minutes Fire Rated, Add	*716.64*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,641.14	143.22
		For 8' Height, Add	*352.85*	
		For 45 Minutes Fire Rated, Add	*214.78*	
		For 60 Minutes Fire Rated, Add	*368.19*	
		For 90 Minutes Fire Rated, Add	*521.61*	
		For 120 Minutes Fire Rated, Add	*736.38*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,723.40	143.22
		For 8' Height, Add	*362.31*	
		For 45 Minutes Fire Rated, Add	*220.54*	
		For 60 Minutes Fire Rated, Add	*378.06*	
		For 90 Minutes Fire Rated, Add	*535.59*	
		For 120 Minutes Fire Rated, Add	*756.13*	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,962.41	157.54
		For 8' Height, Add	*383.21*	
		For 45 Minutes Fire Rated, Add	*233.26*	
		For 60 Minutes Fire Rated, Add	*399.87*	
		For 90 Minutes Fire Rated, Add	*566.48*	
		For 120 Minutes Fire Rated, Add	*799.74*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,054.23	157.54
		For 8' Height, Add	*393.77*	
		For 45 Minutes Fire Rated, Add	*239.68*	
		For 60 Minutes Fire Rated, Add	*410.89*	
		For 90 Minutes Fire Rated, Add	*582.09*	
		For 120 Minutes Fire Rated, Add	*821.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,136.48	157.54
		For 8' Height, Add	*403.23*	
		For 45 Minutes Fire Rated, Add	*245.44*	
		For 60 Minutes Fire Rated, Add	*420.76*	
		For 90 Minutes Fire Rated, Add	*596.07*	
		For 120 Minutes Fire Rated, Add	*841.52*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,238.50	157.54
		For 8' Height, Add	*414.96*	
		For 45 Minutes Fire Rated, Add	*252.58*	
		For 60 Minutes Fire Rated, Add	*433.00*	
		For 90 Minutes Fire Rated, Add	*613.42*	
		For 120 Minutes Fire Rated, Add	*866.00*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,440.58	164.70
		For 8' Height, Add	*434.90*	
		For 45 Minutes Fire Rated, Add	*264.72*	
		For 60 Minutes Fire Rated, Add	*453.81*	
		For 90 Minutes Fire Rated, Add	*642.90*	
		For 120 Minutes Fire Rated, Add	*907.63*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,522.83	164.70
		For 8' Height, Add	*444.36*	
		For 45 Minutes Fire Rated, Add	*270.48*	
		For 60 Minutes Fire Rated, Add	*463.68*	
		For 90 Minutes Fire Rated, Add	*656.89*	
		For 120 Minutes Fire Rated, Add	*927.37*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,605.09	164.70
		For 8' Height, Add	*453.82*	
		For 45 Minutes Fire Rated, Add	*276.24*	
		For 60 Minutes Fire Rated, Add	*473.55*	
		For 90 Minutes Fire Rated, Add	*670.87*	
		For 120 Minutes Fire Rated, Add	*947.11*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,696.91	164.70
		For 8' Height, Add	*464.38*	
		For 45 Minutes Fire Rated, Add	*282.67*	
		For 60 Minutes Fire Rated, Add	*484.57*	
		For 90 Minutes Fire Rated, Add	*686.48*	
		For 120 Minutes Fire Rated, Add	*969.15*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,627.31	186.18
		For 8' Height, Add	*791.50*	
		For 45 Minutes Fire Rated, Add	*481.78*	
		For 60 Minutes Fire Rated, Add	*825.91*	
		For 90 Minutes Fire Rated, Add	*1,170.04*	
		For 120 Minutes Fire Rated, Add	*1,651.82*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,705.74	186.18
		For 8' Height, Add	*800.52*	
		For 45 Minutes Fire Rated, Add	*487.27*	
		For 60 Minutes Fire Rated, Add	*835.32*	
		For 90 Minutes Fire Rated, Add	*1,183.37*	
		For 120 Minutes Fire Rated, Add	*1,670.64*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,789.91	186.18
		For 8' Height, Add	*810.19*	
		For 45 Minutes Fire Rated, Add	*493.16*	
		For 60 Minutes Fire Rated, Add	*845.42*	
		For 90 Minutes Fire Rated, Add	*1,197.68*	
		For 120 Minutes Fire Rated, Add	*1,690.84*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,875.99	186.18
		For 8' Height, Add	*820.09*	
		For 45 Minutes Fire Rated, Add	*499.19*	
		For 60 Minutes Fire Rated, Add	*855.75*	
		For 90 Minutes Fire Rated, Add	*1,212.31*	
		For 120 Minutes Fire Rated, Add	*1,711.50*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,172.14	193.35
		For 8' Height, Add	*850.86*	
		For 45 Minutes Fire Rated, Add	*517.91*	
		For 60 Minutes Fire Rated, Add	*887.85*	
		For 90 Minutes Fire Rated, Add	*1,257.79*	
		For 120 Minutes Fire Rated, Add	*1,775.70*	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,256.45	193.35
		For 8' Height, Add	*860.55*	
		For 45 Minutes Fire Rated, Add	*523.81*	
		For 60 Minutes Fire Rated, Add	*897.97*	
		For 90 Minutes Fire Rated, Add	*1,272.12*	
		For 120 Minutes Fire Rated, Add	*1,795.94*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,346.93	193.35
		For 8' Height, Add	*870.96*	
		For 45 Minutes Fire Rated, Add	*530.15*	
		For 60 Minutes Fire Rated, Add	*908.83*	
		For 90 Minutes Fire Rated, Add	*1,287.50*	
		For 120 Minutes Fire Rated, Add	*1,817.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,439.47	193.35
		For 8' Height, Add	*881.60*	
		For 45 Minutes Fire Rated, Add	*536.63*	
		For 60 Minutes Fire Rated, Add	*919.93*	
		For 90 Minutes Fire Rated, Add	*1,303.24*	
		For 120 Minutes Fire Rated, Add	*1,839.86*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,799.27	143.22
		For 8' Height, Add	*371.04*	
		For 45 Minutes Fire Rated, Add	*225.85*	
		For 60 Minutes Fire Rated, Add	*387.17*	
		For 90 Minutes Fire Rated, Add	*548.49*	
		For 120 Minutes Fire Rated, Add	*774.34*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,890.67	143.22
		For 8' Height, Add	*381.55*	
		For 45 Minutes Fire Rated, Add	*232.25*	
		For 60 Minutes Fire Rated, Add	*398.14*	
		For 90 Minutes Fire Rated, Add	*564.03*	
		For 120 Minutes Fire Rated, Add	*796.27*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,982.06	143.22
		For 8' Height, Add	*392.06*	
		For 45 Minutes Fire Rated, Add	*238.64*	
		For 60 Minutes Fire Rated, Add	*409.10*	
		For 90 Minutes Fire Rated, Add	*579.56*	
		For 120 Minutes Fire Rated, Add	*818.21*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,073.45	143.22
		For 8' Height, Add	*402.57*	
		For 45 Minutes Fire Rated, Add	*245.04*	
		For 60 Minutes Fire Rated, Add	*420.07*	
		For 90 Minutes Fire Rated, Add	*595.10*	
		For 120 Minutes Fire Rated, Add	*840.14*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,332.66	157.54
		For 8' Height, Add	*425.79*	
		For 45 Minutes Fire Rated, Add	*259.18*	
		For 60 Minutes Fire Rated, Add	*444.30*	
		For 90 Minutes Fire Rated, Add	*629.43*	
		For 120 Minutes Fire Rated, Add	*888.60*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,434.68	157.54
		For 8' Height, Add	*437.52*	
		For 45 Minutes Fire Rated, Add	*266.32*	
		For 60 Minutes Fire Rated, Add	*456.54*	
		For 90 Minutes Fire Rated, Add	*646.77*	
		For 120 Minutes Fire Rated, Add	*913.08*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,526.08	157.54
		For 8' Height, Add	*448.03*	
		For 45 Minutes Fire Rated, Add	*272.71*	
		For 60 Minutes Fire Rated, Add	*467.51*	
		For 90 Minutes Fire Rated, Add	*662.31*	
		For 120 Minutes Fire Rated, Add	*935.02*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,639.43	157.54
		For 8' Height, Add	*461.07*	
		For 45 Minutes Fire Rated, Add	*280.65*	
		For 60 Minutes Fire Rated, Add	*481.11*	
		For 90 Minutes Fire Rated, Add	*681.58*	
		For 120 Minutes Fire Rated, Add	*962.22*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,860.78	164.70
		For 8' Height, Add	*483.23*	
		For 45 Minutes Fire Rated, Add	*294.14*	
		For 60 Minutes Fire Rated, Add	*504.24*	
		For 90 Minutes Fire Rated, Add	*714.34*	
		For 120 Minutes Fire Rated, Add	*1,008.48*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,952.17	164.70
		For 8' Height, Add	*493.74*	
		For 45 Minutes Fire Rated, Add	*300.54*	
		For 60 Minutes Fire Rated, Add	*515.20*	
		For 90 Minutes Fire Rated, Add	*729.87*	
		For 120 Minutes Fire Rated, Add	*1,030.41*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	5,043.56	164.70
		For 8' Height, Add	*504.25*	
		For 45 Minutes Fire Rated, Add	*306.93*	
		For 60 Minutes Fire Rated, Add	*526.17*	
		For 90 Minutes Fire Rated, Add	*745.41*	
		For 120 Minutes Fire Rated, Add	*1,052.34*	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	5,145.58	164.70
		For 8' Height, Add	*515.98*	
		For 45 Minutes Fire Rated, Add	*314.07*	
		For 60 Minutes Fire Rated, Add	*538.41*	
		For 90 Minutes Fire Rated, Add	*762.75*	
		For 120 Minutes Fire Rated, Add	*1,076.83*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,392.04	186.18
		For 8' Height, Add	*879.44*	
		For 45 Minutes Fire Rated, Add	*535.31*	
		For 60 Minutes Fire Rated, Add	*917.68*	
		For 90 Minutes Fire Rated, Add	*1,300.04*	
		For 120 Minutes Fire Rated, Add	*1,835.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,479.18	186.18
		For 8' Height, Add	*889.46*	
		For 45 Minutes Fire Rated, Add	*541.41*	
		For 60 Minutes Fire Rated, Add	*928.13*	
		For 90 Minutes Fire Rated, Add	*1,314.85*	
		For 120 Minutes Fire Rated, Add	*1,856.27*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,572.70	186.18
		For 8' Height, Add	*900.22*	
		For 45 Minutes Fire Rated, Add	*547.96*	
		For 60 Minutes Fire Rated, Add	*939.36*	
		For 90 Minutes Fire Rated, Add	*1,330.75*	
		For 120 Minutes Fire Rated, Add	*1,878.71*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,668.35	186.18
		For 8' Height, Add	*911.22*	
		For 45 Minutes Fire Rated, Add	*554.65*	
		For 60 Minutes Fire Rated, Add	*950.83*	
		For 90 Minutes Fire Rated, Add	*1,347.01*	
		For 120 Minutes Fire Rated, Add	*1,901.67*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,994.23	193.35
		For 8' Height, Add	*945.40*	
		For 45 Minutes Fire Rated, Add	*575.46*	
		For 60 Minutes Fire Rated, Add	*986.50*	
		For 90 Minutes Fire Rated, Add	*1,397.54*	
		For 120 Minutes Fire Rated, Add	*1,973.00*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,087.91	193.35
		For 8' Height, Add	*956.17*	
		For 45 Minutes Fire Rated, Add	*582.02*	
		For 60 Minutes Fire Rated, Add	*997.74*	
		For 90 Minutes Fire Rated, Add	*1,413.47*	
		For 120 Minutes Fire Rated, Add	*1,995.49*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,188.44	193.35
		For 8' Height, Add	*967.73*	
		For 45 Minutes Fire Rated, Add	*589.05*	
		For 60 Minutes Fire Rated, Add	*1,009.81*	
		For 90 Minutes Fire Rated, Add	*1,430.56*	
		For 120 Minutes Fire Rated, Add	*2,019.61*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,291.26	193.35
		For 8' Height, Add	*979.56*	
		For 45 Minutes Fire Rated, Add	*596.25*	
		For 60 Minutes Fire Rated, Add	*1,022.15*	
		For 90 Minutes Fire Rated, Add	*1,448.04*	
		For 120 Minutes Fire Rated, Add	*2,044.29*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,908.81	401.01
		For 8' Height, Add	*172.76*	
		For 2-1/4" Thick, Add	*164.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,126.76	401.01
		For 8' Height, Add	*190.63*	
		For 2-1/4" Thick, Add	*181.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,247.84	401.01
		For 8' Height, Add	*200.56*	
		For 2-1/4" Thick, Add	*190.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,368.92	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*210.49*	
		For 2-1/4" Thick, Add	*200.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	3,901.67	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*254.17*	
		For 2-1/4" Thick, Add	*241.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	5,064.04	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*349.49*	
		For 2-1/4" Thick, Add	*332.44*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	5,289.24	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*367.95*	
		For 2-1/4" Thick, Add	*350.00*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,863.10	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*415.01*	
		For 2-1/4" Thick, Add	*394.76*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,190.08	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*441.82*	
		For 2-1/4" Thick, Add	*420.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0011	EA	3' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,526.08	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*469.37*	
		For 2-1/4" Thick, Add	*446.48*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0012	EA	3' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,862.07	401.01
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*496.92*	
		For 2-1/4" Thick, Add	*472.68*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0013	EA	3' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	7,987.37	401.01
		For 8' Height, Add	*589.20*	
		For 2-1/4" Thick, Add	*560.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0014	EA	3' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	8,482.06	401.01
		For 8' Height, Add	*629.76*	
		For 2-1/4" Thick, Add	*599.04*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0015	EA	3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,849.60	401.01
		For 8' Height, Add	*659.90*	
		For 2-1/4" Thick, Add	*627.71*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0016	EA	3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,095.47	415.33
		For 8' Height, Add	*185.71*	
		For 2-1/4" Thick, Add	*176.65*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0017	EA	3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,329.76	415.33
		For 8' Height, Add	*204.93*	
		For 2-1/4" Thick, Add	*194.93*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0018	EA	3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,459.92	415.33
		For 8' Height, Add	*215.60*	
		For 2-1/4" Thick, Add	*205.08*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0019	EA	3'-6" x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,590.08	415.33
		For 8' Height, Add	*226.27*	
		For 2-1/4" Thick, Add	*215.23*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0020	EA	3'-6" x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	4,162.79	415.33
		For 8' Height, Add	*273.23*	
		For 2-1/4" Thick, Add	*259.91*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0021	EA	3'-6" x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,412.34	415.33
		For 8' Height, Add	*375.70*	
		For 2-1/4" Thick, Add	*357.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0022	EA	3'-6" x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,654.44	415.33
		For 8' Height, Add	*395.55*	
		For 2-1/4" Thick, Add	*376.25*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0023	EA	3'-6" x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,271.33	415.33
		For 8' Height, Add	*446.13*	
		For 2-1/4" Thick, Add	*424.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0024	EA	3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,622.83	415.33
		For 8' Height, Add	*474.96*	
		For 2-1/4" Thick, Add	*451.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0025	EA	3'-6" x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,984.03	415.33
		For 8' Height, Add	*504.58*	
		For 2-1/4" Thick, Add	*479.96*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0026	EA	3'-6" x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	7,345.23	415.33
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*534.19*	
		For 2-1/4" Thick, Add	*508.14*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0027	EA	3'-6" x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	8,554.92	415.33
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*633.39*	
		For 2-1/4" Thick, Add	*602.49*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0028	EA	3'-6" x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	9,086.71	415.33
		For 8' Height, Add	*677.00*	
		For 2-1/4" Thick, Add	*643.97*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0029	EA	3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	9,481.82	415.33
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*709.39*	
		For 2-1/4" Thick, Add	*674.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0030	EA	4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	3,492.80	429.66
		For 8' Height, Add	*215.95*	
		For 2-1/4" Thick, Add	*205.41*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0031	EA	4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,765.23	429.66
		For 8' Height, Add	*238.29*	
		For 2-1/4" Thick, Add	*226.66*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0032	EA	4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,916.58	429.66
		For 8' Height, Add	*250.70*	
		For 2-1/4" Thick, Add	*238.47*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0033	EA	4' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	4,067.93	429.66
		For 8' Height, Add	*263.11*	
		For 2-1/4" Thick, Add	*250.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0034	EA	4' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	4,733.87	429.66
		For 8' Height, Add	*317.71*	
		For 2-1/4" Thick, Add	*302.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0035	EA	4' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	6,186.83	429.66
		For 8' Height, Add	*436.86*	
		For 2-1/4" Thick, Add	*415.55*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0036	EA	4' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	6,468.34	429.66
		For 8' Height, Add	*459.94*	
		For 2-1/4" Thick, Add	*437.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0037	EA	4' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	7,185.66	429.66
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*518.76*	
		For 2-1/4" Thick, Add	*493.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0038	EA	4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	7,594.39	429.66
		For 8' Height, Add	*552.28*	
		For 2-1/4" Thick, Add	*525.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0039	EA	4' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	8,014.38	429.66
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*586.72*	
		For 2-1/4" Thick, Add	*558.10*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0040	EA	4' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	8,434.38	429.66
		For 8' Height, Add	*621.16*	
		For 2-1/4" Thick, Add	*590.86*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0041	EA	4' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	9,841.00	429.66
		For 8' Height, Add	*736.50*	
		For 2-1/4" Thick, Add	*700.57*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0042	EA	4' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	10,459.36	429.66
		For 8' Height, Add	*787.20*	
		For 2-1/4" Thick, Add	*748.80*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0043	EA	4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	10,918.79	429.66
		For 8' Height, Add	*824.88*	
		For 2-1/4" Thick, Add	*784.64*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

08 35 Folding Doors and Grilles *(08 30)*

08 35 13 Folding Doors *(08 35)*

08 35 13 13 Accordion Folding Doors *(08 35 13)*

08 35 13 13-0001 Accordion Folding Doors *(08 35 13 13)*

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	104.36	14.33
		For Fire Retardant, Add	*22.87*	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	23.72	14.33
		For Fire Retardant, Add	*2.71*	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	48.98	14.33
		For Fire Retardant, Add	*9.02*	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	68.02	14.33
		For Fire Retardant, Add	*13.78*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1104 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,241.70	572.87
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,990.57	635.89
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	5,064.94	761.93
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	7,182.86	882.22
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,826.99	1,145.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,637.23	1,432.18
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	13,565.14	1,909.10
08 36 13 00-0010		**Residential Grade, Wood Sectional Overhead Doors** *(08 36 13 00-0001)*		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,668.48	286.44
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*519.35*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,564.70	286.44
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*561.92*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		**Sectional Metal Overhead Doors (Width x Height)** *(08 36 13)*		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		**Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
08 36 13 00-0015		**Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,349.20	501.27
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*195.27*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*336.67*	
		For Aluminum, Mill Finish, Add	*153.52*	
		For Aluminum, Anodized Finish, Add	*429.59*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,771.49	572.87
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*235.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.44*	
		For Aluminum, Mill Finish, Add	*185.33*	
		For Aluminum, Anodized Finish, Add	*518.61*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,419.88	716.10
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*288.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*496.93*	
		For Aluminum, Mill Finish, Add	*226.60*	
		For Aluminum, Anodized Finish, Add	*634.08*	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,647.20	572.87
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*217.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.36*	
		For Aluminum, Mill Finish, Add	*171.17*	
		For Aluminum, Anodized Finish, Add	*478.96*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,260.70	716.10
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*265.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*457.13*	
		For Aluminum, Mill Finish, Add	*208.45*	
		For Aluminum, Anodized Finish, Add	*583.30*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,098.11	930.92
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*324.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.07*	
		For Aluminum, Mill Finish, Add	*254.94*	
		For Aluminum, Anodized Finish, Add	*713.37*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,837.41	1,145.75
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*369.16*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*636.48*	
		For Aluminum, Mill Finish, Add	*290.23*	
		For Aluminum, Anodized Finish, Add	*812.15*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,156.07	716.10
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*249.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*430.97*	
		For Aluminum, Mill Finish, Add	*196.52*	
		For Aluminum, Anodized Finish, Add	*549.92*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,941.13	930.92
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.83*	
		For Aluminum, Mill Finish, Add	*237.04*	
		For Aluminum, Anodized Finish, Add	*663.30*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,809.04	1,145.75
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*365.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.39*	
		For Aluminum, Mill Finish, Add	*287.00*	
		For Aluminum, Anodized Finish, Add	*803.10*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,672.63	1,360.58
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*427.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.87*	
		For Aluminum, Mill Finish, Add	*336.47*	
		For Aluminum, Anodized Finish, Add	*941.52*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,766.62	1,647.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*503.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*868.15*	
		For Aluminum, Mill Finish, Add	*395.88*	
		For Aluminum, Anodized Finish, Add	*1,107.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,733.99	930.92
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*271.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.04*	
		For Aluminum, Mill Finish, Add	*213.43*	
		For Aluminum, Anodized Finish, Add	*597.22*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,593.19	1,145.75
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*333.75*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*575.43*	
		For Aluminum, Mill Finish, Add	*262.39*	
		For Aluminum, Anodized Finish, Add	*734.24*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,665.37	1,432.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*700.25*	
		For Aluminum, Mill Finish, Add	*319.32*	
		For Aluminum, Anodized Finish, Add	*893.52*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,533.31	1,647.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,516.80	1,861.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*550.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*948.28*	
		For Aluminum, Mill Finish, Add	*432.42*	
		For Aluminum, Anodized Finish, Add	*1,210.01*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,516.86	1,145.75
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*322.68*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*556.34*	
		For Aluminum, Mill Finish, Add	*253.69*	
		For Aluminum, Anodized Finish, Add	*709.89*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,584.69	1,432.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*394.45*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*680.08*	
		For Aluminum, Mill Finish, Add	*310.12*	
		For Aluminum, Anodized Finish, Add	*867.79*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,574.72	1,647.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*475.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*820.18*	
		For Aluminum, Mill Finish, Add	*374.00*	
		For Aluminum, Anodized Finish, Add	*1,046.55*	
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,843.87	1,861.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*597.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,030.05*	
		For Aluminum, Mill Finish, Add	*469.70*	
		For Aluminum, Anodized Finish, Add	*1,314.34*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,138.48	2,148.28
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*702.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,210.48*	
		For Aluminum, Mill Finish, Add	*551.98*	
		For Aluminum, Anodized Finish, Add	*1,544.57*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,752.61	1,432.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*722.06*	
		For Aluminum, Mill Finish, Add	*329.26*	
		For Aluminum, Anodized Finish, Add	*921.35*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,875.65	1,647.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.34*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*895.41*	
		For Aluminum, Mill Finish, Add	*408.31*	
		For Aluminum, Anodized Finish, Add	*1,142.54*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,323.56	1,861.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*666.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,149.97*	
		For Aluminum, Mill Finish, Add	*524.39*	
		For Aluminum, Anodized Finish, Add	*1,467.36*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,620.37	2,148.28
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*771.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.95*	
		For Aluminum, Mill Finish, Add	*606.91*	
		For Aluminum, Anodized Finish, Add	*1,698.29*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,052.37	2,434.72
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*896.52*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,545.73*	
		For Aluminum, Mill Finish, Add	*704.85*	
		For Aluminum, Anodized Finish, Add	*1,972.35*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,533.31	1,647.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,656.35	1,861.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*983.17*	
		For Aluminum, Mill Finish, Add	*448.33*	
		For Aluminum, Anodized Finish, Add	*1,254.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,452.48	2,148.28
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*747.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,288.98*	
		For Aluminum, Mill Finish, Add	*587.77*	
		For Aluminum, Anodized Finish, Add	*1,644.74*	
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,749.28	2,434.72
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*852.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,469.96*	
		For Aluminum, Mill Finish, Add	*670.30*	
		For Aluminum, Anodized Finish, Add	*1,875.67*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,280.21	2,721.15
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,136.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,959.47*	
		For Aluminum, Mill Finish, Add	*893.52*	
		For Aluminum, Anodized Finish, Add	*2,500.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,272.58	1,861.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*514.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.23*	
		For Aluminum, Mill Finish, Add	*404.58*	
		For Aluminum, Anodized Finish, Add	*1,132.10*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,983.70	2,148.28
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*679.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,171.78*	
		For Aluminum, Mill Finish, Add	*534.33*	
		For Aluminum, Anodized Finish, Add	*1,495.19*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,651.16	2,434.72
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*838.35*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,445.43*	
		For Aluminum, Mill Finish, Add	*659.11*	
		For Aluminum, Anodized Finish, Add	*1,844.37*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,575.92	2,721.15
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,034.37*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,783.40*	
		For Aluminum, Mill Finish, Add	*813.23*	
		For Aluminum, Anodized Finish, Add	*2,275.62*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,184.46	3,007.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,184.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,042.33*	
		For Aluminum, Mill Finish, Add	*931.30*	
		For Aluminum, Anodized Finish, Add	*2,606.01*	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,057.01	2,148.28
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*545.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*940.11*	
		For Aluminum, Mill Finish, Add	*428.69*	
		For Aluminum, Anodized Finish, Add	*1,199.58*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,835.65	2,434.72
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*720.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,241.55*	
		For Aluminum, Mill Finish, Add	*566.15*	
		For Aluminum, Anodized Finish, Add	*1,584.22*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,991.56	2,721.15
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.64*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,637.31*	
		For Aluminum, Mill Finish, Add	*746.61*	
		For Aluminum, Anodized Finish, Add	*2,089.20*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,408.23	3,007.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,072.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,848.27*	
		For Aluminum, Mill Finish, Add	*842.81*	
		For Aluminum, Anodized Finish, Add	*2,358.39*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,056.06	3,294.02
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,227.87*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,117.01*	
		For Aluminum, Mill Finish, Add	*965.36*	
		For Aluminum, Anodized Finish, Add	*2,701.30*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,990.87	501.27
		For Aluminum, Mill Finish, Add	*226.67*	
		For Aluminum, Anodized Finish, Add	*634.28*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*248.54*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*497.09*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,292.42*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,485.43*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,567.95	572.87
		For Aluminum, Mill Finish, Add	*276.13*	
		For Aluminum, Anodized Finish, Add	*772.68*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*302.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*605.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,574.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,027.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,380.72	716.10
		For Aluminum, Mill Finish, Add	*336.13*	
		For Aluminum, Anodized Finish, Add	*940.58*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*368.57*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,916.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,685.68*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,479.50	572.87
		For Aluminum, Mill Finish, Add	*266.05*	
		For Aluminum, Anodized Finish, Add	*744.47*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*291.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*583.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,516.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,917.19*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,271.77	716.10
		For Aluminum, Mill Finish, Add	*323.71*	
		For Aluminum, Anodized Finish, Add	*905.83*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*354.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*709.90*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,845.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,549.49*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,427.21	930.92
		For Aluminum, Mill Finish, Add	*406.45*	
		For Aluminum, Anodized Finish, Add	*1,137.36*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*445.67*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*891.35*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,317.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,456.73*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,288.67	1,145.75
		For Aluminum, Mill Finish, Add	*455.68*	
		For Aluminum, Anodized Finish, Add	*1,275.10*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*499.65*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*999.30*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,598.17*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,996.48*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,105.22	716.10
		For Aluminum, Mill Finish, Add	*304.73*	
		For Aluminum, Anodized Finish, Add	*852.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*334.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*668.26*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,737.48*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,341.30*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,112.64	930.92
		For Aluminum, Mill Finish, Add	*370.59*	
		For Aluminum, Anodized Finish, Add	*1,037.01*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.35*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*812.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,113.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,063.51*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,233.17	1,145.75
		For Aluminum, Mill Finish, Add	*449.35*	
		For Aluminum, Anodized Finish, Add	*1,257.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.71*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*985.42*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,562.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.10*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,285.83	1,360.58
		For Aluminum, Mill Finish, Add	*520.37*	
		For Aluminum, Anodized Finish, Add	*1,456.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.59*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,141.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,967.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,705.85*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,845.63	1,647.01
		For Aluminum, Mill Finish, Add	*632.88*	
		For Aluminum, Anodized Finish, Add	*1,770.97*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*693.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,387.91*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,608.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,939.53*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,867.96	930.92
		For Aluminum, Mill Finish, Add	*342.70*	
		For Aluminum, Anodized Finish, Add	*958.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.77*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*751.53*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,953.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,757.66*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,037.83	1,145.75
		For Aluminum, Mill Finish, Add	*427.08*	
		For Aluminum, Anodized Finish, Add	*1,195.08*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.29*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*936.59*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,435.12*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,682.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,340.63	1,432.18
		For Aluminum, Mill Finish, Add	*510.29*	
		For Aluminum, Anodized Finish, Add	*1,427.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,119.07*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,909.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,595.34*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,656.46	1,647.01
		For Aluminum, Mill Finish, Add	*611.32*	
		For Aluminum, Anodized Finish, Add	*1,710.62*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,340.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,485.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,703.06*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,939.42	1,861.84
		For Aluminum, Mill Finish, Add	*708.60*	
		For Aluminum, Anodized Finish, Add	*1,982.82*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*776.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,553.94*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,040.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,769.69*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,826.05	1,145.75
		For Aluminum, Mill Finish, Add	*402.94*	
		For Aluminum, Anodized Finish, Add	*1,127.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*441.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*883.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,297.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,418.20*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,505.12	1,432.18
		For Aluminum, Mill Finish, Add	*529.05*	
		For Aluminum, Anodized Finish, Add	*1,480.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.10*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,016.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,800.95*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,767.50	1,647.01
		For Aluminum, Mill Finish, Add	*623.98*	
		For Aluminum, Anodized Finish, Add	*1,746.04*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*684.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,368.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,557.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,841.86*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,038.10	1,861.84
		For Aluminum, Mill Finish, Add	*719.85*	
		For Aluminum, Anodized Finish, Add	*2,014.30*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*789.30*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,578.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,104.38*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,893.04*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,877.58	2,148.28
		For Aluminum, Mill Finish, Add	*864.24*	
		For Aluminum, Anodized Finish, Add	*2,418.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*947.63*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,895.25*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.66*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,476.26*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,707.32	1,432.18
		For Aluminum, Mill Finish, Add	*438.10*	
		For Aluminum, Anodized Finish, Add	*1,225.90*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*480.37*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*960.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,497.92*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,803.70*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,329.53	1,647.01
		For Aluminum, Mill Finish, Add	*574.05*	
		For Aluminum, Anodized Finish, Add	*1,606.33*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.44*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,258.88*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,273.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,294.40*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,676.21	1,861.84
		For Aluminum, Mill Finish, Add	*678.59*	
		For Aluminum, Anodized Finish, Add	*1,898.86*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*744.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,488.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,869.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,440.68*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,087.31	2,148.28
		For Aluminum, Mill Finish, Add	*888.14*	
		For Aluminum, Anodized Finish, Add	*2,485.25*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*973.84*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,947.69*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,063.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,738.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,233.85	2,434.72
		For Aluminum, Mill Finish, Add	*953.54*	
		For Aluminum, Anodized Finish, Add	*2,668.24*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,045.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,091.10*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,436.86*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,455.50*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,290.46	1,647.01
		For Aluminum, Mill Finish, Add	*569.60*	
		For Aluminum, Anodized Finish, Add	*1,593.87*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*624.56*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,249.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,247.69*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,245.56*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,766.71	1,861.84
		For Aluminum, Mill Finish, Add	*688.91*	
		For Aluminum, Anodized Finish, Add	*1,927.73*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*755.38*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,510.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,927.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,553.80*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,508.80	2,148.28
		For Aluminum, Mill Finish, Add	*936.19*	
		For Aluminum, Anodized Finish, Add	*2,619.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,026.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,053.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,337.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,265.29*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,610.11	2,434.72
		For Aluminum, Mill Finish, Add	*996.44*	
		For Aluminum, Anodized Finish, Add	*2,788.27*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,092.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,185.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,681.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,925.83*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,821.74	2,721.15
		For Aluminum, Mill Finish, Add	*1,183.25*	
		For Aluminum, Anodized Finish, Add	*3,311.03*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,297.43*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,594.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,746.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,974.26*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,090.23	1,861.84
		For Aluminum, Mill Finish, Add	*611.79*	
		For Aluminum, Anodized Finish, Add	*1,711.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,341.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,488.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,708.20*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,254.58	2,148.28
		For Aluminum, Mill Finish, Add	*793.21*	
		For Aluminum, Anodized Finish, Add	*2,219.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*869.75*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,739.50*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,522.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,697.51*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,383.96	2,434.72
		For Aluminum, Mill Finish, Add	*970.65*	
		For Aluminum, Anodized Finish, Add	*2,716.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,064.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,128.63*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,534.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,643.14*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,042.46	2,721.15
		For Aluminum, Mill Finish, Add	*1,094.41*	
		For Aluminum, Anodized Finish, Add	*3,062.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,200.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,400.03*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,240.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,000.16*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	17,171.79	3,007.59
		For Aluminum, Mill Finish, Add	*1,271.86*	
		For Aluminum, Anodized Finish, Add	*3,558.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,394.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,789.16*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,251.81*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,945.79*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,117.53	2,148.28
		For Aluminum, Mill Finish, Add	*663.59*	
		For Aluminum, Anodized Finish, Add	*1,856.89*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*727.62*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,455.24*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,783.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,276.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,510.11	2,434.72
		For Aluminum, Mill Finish, Add	*871.04*	
		For Aluminum, Anodized Finish, Add	*2,437.37*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*955.08*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,910.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,966.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,550.83*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,522.28	2,721.15
		For Aluminum, Mill Finish, Add	*1,035.11*	
		For Aluminum, Anodized Finish, Add	*2,896.50*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,134.99*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,269.99*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,901.97*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,349.94*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	16,655.72	3,007.59
		For Aluminum, Mill Finish, Add	*1,213.02*	
		For Aluminum, Anodized Finish, Add	*3,394.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,660.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,916.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,300.70*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	18,754.22	3,294.02
		For Aluminum, Mill Finish, Add	*1,386.95*	
		For Aluminum, Anodized Finish, Add	*3,881.02*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,520.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,041.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,908.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*15,207.75*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,777.17	286.44
		For Aluminum And Fiberglass, Add	*328.93*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*562.37*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,967.59	286.44
		For Aluminum And Fiberglass, Add	*387.96*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*663.29*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,572.20	327.68
		For Aluminum And Fiberglass, Add	*543.97*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*930.02*	
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,871.41	327.68
		For Aluminum And Fiberglass, Add	*636.73*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*1,088.60*	

08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports *(08 36 13 00-0013)*

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	20.31	

08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0109 Fiberglass Sectional Overhead Doors *(08 36 13 00-0108)*

08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,350.95	501.27
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,771.25	572.87
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,312.70	716.10
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,744.64	572.87
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,240.35	644.48
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,120.93	895.12
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,005.10	1,145.75
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,275.01	716.10
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,105.40	895.12
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,926.50	1,074.14
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,104.27	1,432.18
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,143.97	1,718.62
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,091.49	1,002.53
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,911.96	1,145.75
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,024.44	1,432.18
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,135.10	1,718.62
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,961.94	1,861.84
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,652.50	1,145.75
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,524.92	1,288.97
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,697.75	1,575.41
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,857.71	1,861.84
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,732.97	2,005.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,795.89	501.27
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,307.67	572.87
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,933.28	716.10
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,272.27	572.87
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,884.34	644.48
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,890.06	895.12
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,900.84	1,145.75
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,883.14	716.10
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,869.41	895.12
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,843.46	1,074.14
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,173.45	1,432.18
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,367.55	1,718.62
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,780.12	1,002.53
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,776.96	1,145.75
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,067.27	1,432.18
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,355.75	1,718.62
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,361.16	1,861.84
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,431.88	1,145.75
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,497.49	1,288.97
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,867.91	1,575.41
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	9,222.54	1,861.84
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	10,291.72	2,005.06
08 36 13 00-0156		**Sectional Overhead Door Accessories** *(08 36 13)*		
08 36 13 00-0157		**Sectional Overhead Door Accessories** *(08 36 13 00-0156)*		
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.65	1.79
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.46	2.24
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	4.02	1.79
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	353.24	89.51
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	787.09	179.02
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,850.47	286.44
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,457.97	286.44
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,869.80	286.44
		For Door Height >12', Add *Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.*	*10.00*	
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.50	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.27	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.17	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.75	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	51.68	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.88	
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	69.77	
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	47.09	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	753.34	143.22
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,172.84	216.12
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,734.69	360.20
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.25	
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.90	
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.83	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	25.51	8.59
		For Cooler/Freezer Doors, USDA Grade, Add	*0.69*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.45*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	35.49	11.46
		For Cooler/Freezer Doors, USDA Grade, Add	*0.97*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.04*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	21.57	7.16
		For Cooler/Freezer Doors, USDA Grade, Add	*0.87*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.82*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	28.09	7.87
		For Cooler/Freezer Doors, USDA Grade, Add	*1.09*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.29*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	22.49	7.16
		For Cooler/Freezer Doors, USDA Grade, Add	*1.10*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.32*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	81.83	40.39
		For Cooler/Freezer Doors, USDA Grade, Add	*1.60*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.35*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	84.07	40.39
		For Cooler/Freezer Doors, USDA Grade, Add	*1.82*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.82*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	118.92	49.98
		For Cooler/Freezer Doors, USDA Grade, Add	*3.73*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*7.83*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	126.49	49.98
		For Cooler/Freezer Doors, USDA Grade, Add	*4.49*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*9.42*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	133.60	49.98
		For Cooler/Freezer Doors, USDA Grade, Add	*5.20*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*10.91*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	223.75	50.99
		For Cooler/Freezer Doors, USDA Grade, Add	*12.17*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*25.56*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,315.27	143.22
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,091.38	143.22
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	21,268.34	164.70
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,878.40	179.02
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	37,309.67	179.02
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	39,047.18	179.02
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,430.54	214.83

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,395.73	143.22
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,260.02	143.22
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,248.16	164.70
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	27,840.54	179.02
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	41,853.70	179.02
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,621.12	179.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	48,519.18	214.83
08 38 16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*		
		Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,650.96	78.77
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,945.23	78.77
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,945.23	78.77
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	4,028.22	78.77
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,258.95	136.06
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,847.48	136.06
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,847.48	136.06
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	8,013.48	136.06
08 38 19		**Rigid Traffic Doors** *(08 38)*		
		Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,726.93	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,862.74	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,922.74	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,005.74	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,095.92	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,277.01	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,351.27	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,960.83	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,066.46	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,134.00	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,194.37	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,405.28	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,450.55	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,517.26	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,410.89	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,682.51	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,788.15	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,954.14	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,134.51	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,496.68	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,602.31	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,878.69	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,089.96	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,210.68	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,331.40	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,753.22	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,843.76	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,934.30	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,115.25	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,469.88	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,620.42	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,771.32	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,823.78	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,133.14	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,433.75	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,486.57	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,417.06	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,786.78	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,937.32	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,125.95	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,268.95	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,570.76	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,712.92	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,901.55	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,187.53	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,896.78	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,183.50	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,485.31	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,590.22	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,208.93	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,767.28	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,872.91	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,791.15	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,530.58	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,817.30	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,194.56	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,480.56	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,084.18	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,325.63	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,702.89	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,197.35	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,780.02	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,942.58	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,000.84	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,066.30	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,610.12	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,078.27	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,146.25	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,323.59	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,042.22	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,214.49	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,292.18	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,318.79	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,716.95	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,175.39	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,253.08	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,351.73	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,517.07	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,827.82	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,944.36	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,075.26	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,162.91	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,056.33	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,192.29	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,604.22	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,041.47	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,371.65	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,527.02	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,580.24	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,376.55	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,250.55	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,405.93	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,201.76	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,601.66	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,714.47	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,812.56	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,985.75	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,174.38	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,346.72	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,474.99	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,541.30	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,963.83	78.77
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,084.19	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,137.01	82.35
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,295.10	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,544.09	85.93
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,686.26	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,814.53	96.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,360.56	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,160.35	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,371.62	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,567.79	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,914.15	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,291.42	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,593.22	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,849.76	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,039.63	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,884.69	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,111.05	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,216.68	136.06
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,532.86	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,030.85	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,272.29	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,528.83	143.22
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,126.31	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,345.12	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,548.48	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,676.75	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,000.84	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,257.37	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,482.54	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,723.98	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0164		90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,277.22	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,541.30	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,676.75	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,857.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,204.56	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,513.91	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,723.98	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,950.34	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,662.02	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,714.84	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,940.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,106.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,461.10	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,830.81	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,025.79	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,252.15	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,209.65	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,647.28	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,039.63	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,296.17	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,944.33	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,457.41	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,864.85	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,347.75	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,511.46	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,039.63	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,296.17	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,658.34	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,351.78	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,970.49	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,347.75	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,800.46	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,281.07	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,386.71	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,824.33	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,156.32	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,864.85	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,604.28	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,951.37	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	12,404.08	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,126.31	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,345.12	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,548.48	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,676.75	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,000.84	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,257.37	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,482.54	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,723.98	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,277.22	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,541.30	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,676.75	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,857.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,204.56	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,513.91	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,723.98	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,950.34	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230		**96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,662.02	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,714.84	78.77
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,940.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,106.83	82.35
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,461.10	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,830.81	85.93
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,025.79	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,252.15	96.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		**Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0210)*		
08 38 19 00-0240		**84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,209.65	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,647.28	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,039.63	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,296.17	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,944.33	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,457.41	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,864.85	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,347.75	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0249		**90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,511.46	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,039.63	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,296.17	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,658.34	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,351.78	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,970.49	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,347.75	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,800.46	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0258		96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,281.07	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,386.71	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,824.33	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,156.32	136.06
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,864.85	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,604.28	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,951.37	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	12,404.08	143.22
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0267		Rigid Impact Traffic Door Accessories *(08 38 19)*		
08 38 19 00-0268		Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	336.46	57.29
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	374.19	57.29
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	404.37	57.29
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	457.19	57.29
08 38 19 00-0273		Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	947.63	57.29
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,264.53	57.29
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,875.69	57.29
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	2,169.95	57.29
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,471.76	57.29
08 38 19 00-0279		Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*		
		Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	404.37	57.29
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	434.55	57.29
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	472.28	57.29
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	525.09	57.29
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	555.28	57.29
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	555.28	57.29
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	691.09	57.29
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	766.54	57.29
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	872.17	57.29
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	940.08	57.29
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	691.09	57.29
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	811.81	57.29
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	902.36	57.29
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	1,068.35	57.29
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,181.53	57.29
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	766.54	57.29
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	902.36	57.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	1,053.26	57.29
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,136.26	57.29
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,264.53	57.29
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	940.08	57.29
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,181.53	57.29
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,264.53	57.29
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,422.98	57.29
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,596.52	57.29
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	389.28	57.29
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	419.46	57.29
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	434.55	57.29
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	502.46	57.29
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	532.64	57.29
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	502.46	57.29
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	547.73	57.29
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	593.00	57.29
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	630.73	57.29
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	691.09	57.29
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	577.91	57.29
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	615.64	57.29
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	706.18	57.29
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	804.27	57.29
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	849.54	57.29
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	615.64	57.29
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	691.09	57.29
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	804.27	57.29
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	894.81	57.29
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	947.63	57.29
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	789.18	57.29
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	894.81	57.29
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,038.17	57.29
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,106.08	57.29
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,196.62	57.29
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	525.09	57.29
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	555.28	57.29
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	645.82	57.29
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	691.09	57.29
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	819.36	57.29
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	736.36	57.29
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	872.17	57.29
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,007.99	57.29
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,173.98	57.29
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,324.89	57.29
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	841.99	57.29
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,023.08	57.29
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,189.07	57.29
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,362.61	57.29
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,566.34	57.29
08 38 19 00-0361		**36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	977.81	57.29
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,173.98	57.29
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,400.34	57.29
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,619.15	57.29
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,807.78	57.29
08 38 19 00-0367		**48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,219.26	57.29
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,687.06	57.29
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,807.78	57.29
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,169.95	57.29
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,381.22	57.29
08 38 19 00-0373		**One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0310)*		
08 38 19 00-0374		**12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	464.73	57.29
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	502.46	57.29
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	547.73	57.29
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	600.55	57.29
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	683.54	57.29
08 38 19 00-0380		**24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	630.73	57.29
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	721.27	57.29
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	811.81	57.29
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	909.90	57.29
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,023.08	57.29
08 38 19 00-0386		**30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	721.27	57.29
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	834.45	57.29
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	962.72	57.29
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,121.17	57.29
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,226.80	57.29
08 38 19 00-0392		**36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	811.81	57.29
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	962.72	57.29
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,121.17	57.29
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,279.62	57.29
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,392.80	57.29
08 38 19 00-0398		**48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,023.08	57.29
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,256.98	57.29
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,392.80	57.29
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,664.42	57.29
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,739.88	57.29
08 38 19 00-0404		**Jamb Guards For Impact Traffic Doors** *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	637.50	71.61
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	863.86	71.61
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,693.83	71.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0408		**Other Impact Traffic Door Accessories** *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	156.53	35.81
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	209.35	35.81
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	533.80	35.81
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	669.61	35.81
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	262.17	35.81
08 38 19 00-0414		**Impact Traffic Door Knock Down Frames** *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		**Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0416		**84" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,562.48	107.41
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,840.65	118.15
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,880.60	125.32
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,924.52	136.06
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,967.74	143.22
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,051.25	150.38
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,111.90	157.54
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,151.57	164.70
08 38 19 00-0425		**90" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,596.14	107.41
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,880.72	118.15
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,921.37	125.32
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,965.83	136.06
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,009.77	143.22
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,095.02	150.38
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,156.80	157.54
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,197.15	164.70
08 38 19 00-0434		**96" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,640.88	107.41
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,933.99	118.15
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,975.47	125.32
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,007.44	136.06
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,065.61	143.22
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,138.78	150.38
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,216.48	157.54
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,260.98	161.12
08 38 19 00-0443		**Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0444		**84" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,190.43	164.70
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,224.97	167.57
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,268.90	171.86
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,326.59	179.02
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,361.67	186.18
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,443.00	187.62
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,497.21	189.77
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,562.21	193.35
08 38 19 00-0453		**90" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,236.91	164.70
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,272.13	167.57
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,317.03	171.86
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,375.79	179.02
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,411.47	186.18
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,494.69	187.62
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,550.14	189.77
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,616.61	193.35
08 38 19 00-0462		**96" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,291.16	164.70
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,319.21	167.57
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,380.94	171.86
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,424.98	179.02
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,477.49	186.18
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,570.89	187.62
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,620.46	189.77
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,675.53	193.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2237 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,004.73	801.50
		For Bronze Finish, Add	*311.14*	
		For Black Finish, Add	*893.62*	
		For 8' High Door, Add	*322.35*	
		For 10' High Door, Add	*700.77*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,143.05	880.81
		For Bronze Finish, Add	*313.16*	
		For Black Finish, Add	*899.41*	
		For 8' High Door, Add	*324.44*	
		For 10' High Door, Add	*705.31*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	6,655.73	1,202.01
		For Bronze Finish, Add	*539.11*	
		For Black Finish, Add	*1,548.36*	
		For 8' High Door, Add	*558.54*	
		For 10' High Door, Add	*1,214.21*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,721.20	1,309.80
		For Bronze Finish, Add	*638.31*	
		For Black Finish, Add	*1,833.26*	
		For 8' High Door, Add	*661.31*	
		For 10' High Door, Add	*1,437.63*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,386.17	801.50
		For Bronze Finish, Add	*353.48*	
		For Black Finish, Add	*1,015.22*	
		For 8' High Door, Add	*366.22*	
		For 10' High Door, Add	*796.13*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,548.10	880.81
		For Bronze Finish, Add	*358.12*	
		For Black Finish, Add	*1,028.54*	
		For 8' High Door, Add	*371.02*	
		For 10' High Door, Add	*806.57*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,376.83	1,202.01
		For Bronze Finish, Add	*619.15*	
		For Black Finish, Add	*1,778.25*	
		For 8' High Door, Add	*641.46*	
		For 10' High Door, Add	*1,394.49*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,421.25	1,309.80
		For Bronze Finish, Add	*716.01*	
		For Black Finish, Add	*2,056.44*	
		For 8' High Door, Add	*741.81*	
		For 10' High Door, Add	*1,612.64*	
		For 1" Insulated Glazing, Add	*333.76*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	8,615.46	300.41
		For Anodized Color, Add	*1,334.49*	
		For Stainless Steel, Add	*4,818.98*	
		For 8' High Door, Add	*852.59*	
		For 10' High Door, Add	*1,853.45*	
		For 1" Insulated Glazing, Add	*166.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	15,714.84	360.50
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,519.68*	
		For Stainless Steel, Add	*9,098.83*	
		For 8' High Door, Add	*1,609.79*	
		For 10' High Door, Add	*3,499.55*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	9,951.09	300.41
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,574.90*	
		For Stainless Steel, Add	*5,687.14*	
		For 8' High Door, Add	*1,006.19*	
		For 10' High Door, Add	*2,187.36*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	18,590.56	360.50
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,037.31*	
		For Stainless Steel, Add	*10,968.05*	
		For 8' High Door, Add	*1,940.50*	
		For 10' High Door, Add	*4,218.48*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	11,281.50	300.41
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,814.37*	
		For Stainless Steel, Add	*6,551.90*	
		For 8' High Door, Add	*1,159.18*	
		For 10' High Door, Add	*2,519.96*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	21,461.58	360.50
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,554.09*	
		For Stainless Steel, Add	*12,834.21*	
		For 8' High Door, Add	*2,270.67*	
		For 10' High Door, Add	*4,936.24*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	13,947.47	300.41
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,294.25*	
		For Stainless Steel, Add	*8,284.78*	
		For 8' High Door, Add	*1,465.77*	
		For 10' High Door, Add	*3,186.46*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	27,208.29	360.50
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*4,588.50*	
		For Stainless Steel, Add	*16,569.57*	
		For 8' High Door, Add	*2,931.54*	
		For 10' High Door, Add	*6,372.91*	
		For 1" Insulated Glazing, Add	*333.76*	

08 42 26 00-0010 Frames For Full Glass Doors *(08 42 26)*

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	37.07	3.61
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	47.58	4.81

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,795.36	120.17
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*341.63*	
		For Emergency Egress On All Panels, Add	*911.01*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,287.13	162.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*372.20*	
		For Emergency Egress On All Panels, Add	*992.54*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,745.95	180.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*403.91*	
		For Emergency Egress On All Panels, Add	*1,077.09*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,191.15	198.27
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*434.60*	
		For Emergency Egress On All Panels, Add	*1,158.92*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,164.24	240.33
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*576.27*	
		For Emergency Egress On All Panels, Add	*1,536.72*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,429.73	282.38
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*589.87*	
		For Emergency Egress On All Panels, Add	*1,572.99*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,346.74	324.45
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*802.34*	
		For Emergency Egress On All Panels, Add	*2,139.57*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0010		**4 Panel, Bronze Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0001)*		
		Note: Bi-parting.		
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,515.19	300.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.58*	
		For Emergency Egress On All Panels, Add	*1,782.87*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,431.37	330.46
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*732.78*	
		For Emergency Egress On All Panels, Add	*1,954.09*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,347.55	360.50
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*796.99*	
		For Emergency Egress On All Panels, Add	*2,125.31*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,786.73	390.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*975.42*	
		For Emergency Egress On All Panels, Add	*2,601.13*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	16,225.91	420.46
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,153.86*	
		For Emergency Egress On All Panels, Add	*3,076.95*	
08 42 29 23-0016		**Aluminum Finished Framed Sliding Automatic Entrances** *(08 42 29 23)*		
08 42 29 23-0017		**2 Panel, Aluminum Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0016)*		
		Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,366.22	120.17
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*309.44*	
		For Emergency Egress On All Panels, Add	*825.18*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,819.63	162.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*337.14*	
		For Emergency Egress On All Panels, Add	*899.04*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,230.73	180.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*365.27*	
		For Emergency Egress On All Panels, Add	*974.05*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,645.24	198.27
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*393.65*	
		For Emergency Egress On All Panels, Add	*1,049.74*	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,440.43	240.33
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*521.98*	
		For Emergency Egress On All Panels, Add	*1,391.95*	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,688.79	282.38
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*534.30*	
		For Emergency Egress On All Panels, Add	*1,424.80*	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,339.01	324.45
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*726.76*	
		For Emergency Egress On All Panels, Add	*1,938.02*	
08 42 29 23-0025		**4 Panel, Aluminum Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,675.43	300.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*605.60*	
		For Emergency Egress On All Panels, Add	*1,614.92*	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,510.92	330.46
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*663.75*	
		For Emergency Egress On All Panels, Add	*1,770.00*	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,346.41	360.50
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*721.91*	
		For Emergency Egress On All Panels, Add	*1,925.08*	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	12,561.52	390.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*883.53*	
		For Emergency Egress On All Panels, Add	*2,356.09*	
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	14,776.62	420.46
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,045.16*	
		For Emergency Egress On All Panels, Add	*2,787.09*	
08 42 29 23-0031		**Stainless Steel Framed Sliding Automatic Entrances** *(08 42 29 23)*		
08 42 29 23-0032		**2 Panel, Stainless Steel Framed Sliding Automatic Entrance** *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,520.65	120.17
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*396.02*	
		For Emergency Egress On All Panels, Add	*1,056.06*	
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,077.39	162.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*431.47*	
		For Emergency Egress On All Panels, Add	*1,150.59*	
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,077.78	180.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*503.80*	
		For Emergency Egress On All Panels, Add	*1,343.46*	
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	8,136.71	198.27
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*580.51*	
		For Emergency Egress On All Panels, Add	*1,548.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,387.77	240.33
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.03*	
		For Emergency Egress On All Panels, Add	*1,781.42*	
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,682.08	282.38
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*683.80*	
		For Emergency Egress On All Panels, Add	*1,823.46*	
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,050.31	324.45
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*930.11*	
		For Emergency Egress On All Panels, Add	*2,480.28*	
08 42 29 23-0040		4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Bi-parting.		
08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	10,934.71	300.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*775.04*	
		For Emergency Egress On All Panels, Add	*2,066.78*	
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	11,987.16	330.46
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*849.47*	
		For Emergency Egress On All Panels, Add	*2,265.25*	
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,039.61	360.50
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*923.90*	
		For Emergency Egress On All Panels, Add	*2,463.72*	
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	15,857.69	390.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,130.75*	
		For Emergency Egress On All Panels, Add	*3,015.32*	
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	18,675.76	420.58
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,337.60*	
		For Emergency Egress On All Panels, Add	*3,566.92*	
08 42 29 23-0046		Accessories For Sliding Automatic Entrances *(08 42 29 23)*		
		See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	10,791.68	1,432.18
		Note: Includes motor for pair of sliding doors (2 panels).		
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	18,361.15	2,148.28
		Note: Includes motor for pair of sliding doors (4 panel).		
08 42 29 33		**Swinging Automatic Entrances** *(08 42 29)*		
		Note: Excludes glazing.		
08 42 29 33-0001		Swing Door Operators, Up To 350 Lb. Panel Weight *(08 42 29 33)*		
		Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel	4,787.10	677.39
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	8,220.25	903.23
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	3,979.61	541.91
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	7,145.65	812.86
08 42 29 33-0006		Activation Devices For Door Operators *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	461.17	54.19
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	411.16	54.19
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	415.15	54.19
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)	219.66	54.19
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)	235.82	54.19
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)	152.31	54.19
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	742.35	135.48
		Note: Includes receiver and two push plate transmitters.		
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	980.29	67.74
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator	282.65	67.74
08 42 33		**Revolving Door Entrances** *(08 42)*		
08 42 33 00-0001		Aluminum Revolving Doors *(08 42 33)*		
		Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	42,862.56	7,424.38
		For Automatic Controls, Add	*8,933.45*	
		For Powder Coated, Add	*1,579.59*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	58,379.21	11,136.74
		For Automatic Controls, Add	*10,975.18*	
		For Powder Coated, Add	*1,984.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	87,413.22	13,364.02
		For Automatic Controls, Add	*12,200.21*	
		For Powder Coated, Add	*3,510.21*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	47,670.05	8,166.76
		For Automatic Controls, Add	*9,350.13*	
		For Powder Coated, Add	*1,768.97*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	64,571.41	12,250.80
		For Automatic Controls, Add	*11,532.01*	
		For Powder Coated, Add	*2,222.91*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	97,599.87	14,700.42
		For Automatic Controls, Add	*13,016.90*	
		For Powder Coated, Add	*3,931.04*	

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	43,909.66	7,424.38
		For Automatic Controls, Add	*8,933.45*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	59,695.01	11,136.74
		For Automatic Controls, Add	*10,975.18*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	89,740.10	13,364.02
		For Automatic Controls, Add	*12,200.21*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	48,845.47	8,166.76
		For Automatic Controls, Add	*9,350.13*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	66,048.47	12,250.80
		For Automatic Controls, Add	*11,532.01*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	100,211.93	14,700.42
		For Automatic Controls, Add	*13,016.90*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	40,216.94	7,424.38
		For Automatic Controls, Add	*8,933.45*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	55,054.68	11,136.74
		For Automatic Controls, Add	*10,975.18*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	81,534.06	13,364.02
		For Automatic Controls, Add	*12,200.21*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	44,709.63	8,166.76
		For Automatic Controls, Add	*9,350.13*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	60,851.31	12,250.80
		For Automatic Controls, Add	*11,532.01*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	91,021.16	14,700.42
		For Automatic Controls, Add	*13,016.90*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	14,180.26	389.89
		For Bronze Instead Of Stainless Steel, Deduct	*-3,301.31*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,320.52*	
		For Tinted Glass, Add	*660.26*	
		For Aluminum, Painted Finish, Deduct	*-3,961.57*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	14,716.53	389.89
		For Bronze Instead Of Stainless Steel, Deduct	*-3,435.38*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,374.15*	
		For Tinted Glass, Add	*687.08*	
		For Aluminum, Painted Finish, Deduct	*-4,122.45*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	16,018.98	389.89
		For Bronze Instead Of Stainless Steel, Deduct	*-3,760.99*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,504.40*	
		For Tinted Glass, Add	*752.20*	
		For Aluminum, Painted Finish, Deduct	*-4,513.19*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	17,551.31	389.89
		For Bronze Instead Of Stainless Steel, Deduct	*-4,144.07*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,657.63*	
		For Tinted Glass, Add	*828.81*	
		For Aluminum, Painted Finish, Deduct	*-4,972.89*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	29,335.61	741.02
		For Bronze Instead Of Stainless Steel, Deduct	*-6,870.76*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,748.31*	
		For Tinted Glass, Add	*1,374.15*	
		For Aluminum, Painted Finish, Deduct	*-8,244.92*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0001		**Aluminum Storefront Framing Assemblies** *(08 43 13)* Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 13 00-0002		**1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.20	8.82
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.39*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.93	7.94
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.59	7.31
		For Various Color Class I Anodized Finish, Add	*0.93*	
		For Black Color Class I Anodized Finish, Add	*2.79*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.84	6.85
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.49	6.49
		For Various Color Class I Anodized Finish, Add	*0.82*	
		For Black Color Class I Anodized Finish, Add	*2.46*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.40	6.20
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.34*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.50	5.96
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.25*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.77	5.76
		For Various Color Class I Anodized Finish, Add	*0.72*	
		For Black Color Class I Anodized Finish, Add	*2.17*	
08 43 13 00-0011		**1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.00	11.54
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.42*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.06	10.21
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.67	9.25
		For Various Color Class I Anodized Finish, Add	*1.18*	
		For Black Color Class I Anodized Finish, Add	*3.53*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.04	8.54
		For Various Color Class I Anodized Finish, Add	*1.08*	
		For Black Color Class I Anodized Finish, Add	*3.25*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.98	7.93
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.30	7.57
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.86*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.04	7.21
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.72*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.89	6.85
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	
08 43 13 00-0020		**1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	51.85	14.18
		For Various Color Class I Anodized Finish, Add	*1.82*	
		For Black Color Class I Anodized Finish, Add	*5.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	45.35	12.37
		For Various Color Class I Anodized Finish, Add	*1.59*	
		For Black Color Class I Anodized Finish, Add	*4.77*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.67	11.17
		For Various Color Class I Anodized Finish, Add	*1.42*	
		For Black Color Class I Anodized Finish, Add	*4.27*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.17	10.21
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.35	9.50
		For Various Color Class I Anodized Finish, Add	*1.20*	
		For Black Color Class I Anodized Finish, Add	*3.61*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.23	8.89
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.38*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.45	8.41
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.19*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.97	8.05
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	

08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.18	9.25
		For Various Color Class I Anodized Finish, Add	*1.15*	
		For Black Color Class I Anodized Finish, Add	*3.46*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.82	8.29
		For Various Color Class I Anodized Finish, Add	*1.03*	
		For Black Color Class I Anodized Finish, Add	*3.10*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.28	7.69
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.46	7.21
		For Various Color Class I Anodized Finish, Add	*0.88*	
		For Black Color Class I Anodized Finish, Add	*2.64*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.00	6.73
		For Various Color Class I Anodized Finish, Add	*0.83*	
		For Black Color Class I Anodized Finish, Add	*2.48*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.96	6.49
		For Various Color Class I Anodized Finish, Add	*0.79*	
		For Black Color Class I Anodized Finish, Add	*2.36*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.93	6.25
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.26*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.22	6.01
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.99	12.50
		For Various Color Class I Anodized Finish, Add	*1.50*	
		For Black Color Class I Anodized Finish, Add	*4.50*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.70	11.05
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.96*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.99	9.97
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.18	9.25
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.09	8.66
		For Various Color Class I Anodized Finish, Add	*1.02*	
		For Black Color Class I Anodized Finish, Add	*3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.24	8.17
		For Various Color Class I Anodized Finish, Add	*0.96*	
		For Black Color Class I Anodized Finish, Add	*2.88*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.83	7.69
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.73*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.66	7.33
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.61*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	53.23	14.90
		For Various Color Class I Anodized Finish, Add	*1.85*	
		For Black Color Class I Anodized Finish, Add	*5.54*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.50	12.98
		For Various Color Class I Anodized Finish, Add	*1.61*	
		For Black Color Class I Anodized Finish, Add	*4.82*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.63	11.66
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.31*	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.06	10.70
		For Various Color Class I Anodized Finish, Add	*1.31*	
		For Black Color Class I Anodized Finish, Add	*3.93*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.21	9.85
		For Various Color Class I Anodized Finish, Add	*1.21*	
		For Black Color Class I Anodized Finish, Add	*3.63*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.93	9.25
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.40*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.12	8.77
		For Various Color Class I Anodized Finish, Add	*1.07*	
		For Black Color Class I Anodized Finish, Add	*3.20*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.51	8.41
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.44	9.50
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.27	8.54
		For Various Color Class I Anodized Finish, Add	*1.46*	
		For Black Color Class I Anodized Finish, Add	*4.39*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.37	7.81
		For Various Color Class I Anodized Finish, Add	*1.35*	
		For Black Color Class I Anodized Finish, Add	*4.04*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.17	7.33
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.45	6.97
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.58*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.05	6.61
		For Various Color Class I Anodized Finish, Add	*1.14*	
		For Black Color Class I Anodized Finish, Add	*3.41*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.95	6.36
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.96	6.13
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0065		**2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	54.69	12.74
		For Various Color Class I Anodized Finish, Add	*2.12*	
		For Black Color Class I Anodized Finish, Add	*6.36*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	48.31	11.29
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.83	10.21
		For Various Color Class I Anodized Finish, Add	*1.70*	
		For Black Color Class I Anodized Finish, Add	*5.10*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.43	9.37
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.70*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.75	8.77
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.68	8.29
		For Various Color Class I Anodized Finish, Add	*1.38*	
		For Black Color Class I Anodized Finish, Add	*4.15*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.96	7.93
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.95*	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.42	7.57
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	
08 43 13 00-0074		**2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	66.03	14.90
		For Various Color Class I Anodized Finish, Add	*2.61*	
		For Black Color Class I Anodized Finish, Add	*7.84*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	58.03	13.22
		For Various Color Class I Anodized Finish, Add	*2.28*	
		For Black Color Class I Anodized Finish, Add	*6.85*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	52.08	11.90
		For Various Color Class I Anodized Finish, Add	*2.05*	
		For Black Color Class I Anodized Finish, Add	*6.15*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	47.73	10.82
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	44.24	10.09
		For Various Color Class I Anodized Finish, Add	*1.74*	
		For Black Color Class I Anodized Finish, Add	*5.22*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.46	9.50
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.13	8.89
		For Various Color Class I Anodized Finish, Add	*1.54*	
		For Black Color Class I Anodized Finish, Add	*4.62*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.29	8.54
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	
08 43 13 00-0083		**Accessories For Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)*		
08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	42.14	8.00
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	48.10	8.80
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	74.30	9.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0087		**Bullet Resistant Aluminum Storefront Framing** *(08 43 13)* Note: Includes frames, fasteners, gaskets and accessories. Excludes doors and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 13 00-0088	LF	1-1/2" x 2-1/2" Header, Sill Or Jam, Aluminum Bullet Resistant Channel Frame (Insulgard BulletBlock 44/250)	51.28	10.09
08 43 19		**Stainless-Steel-Framed Storefronts** *(08 43)*		
08 43 19 00-0001		**Stainless Steel Storefront Framing Assembly** *(08 43 19)* Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	56.01	6.01
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	
08 44		**Curtain Wall and Glazed Assemblies** *(08 40)*		
08 44 13		**Glazed Aluminum Curtain Walls** *(08 44)*		
08 44 13 00-0001		**Curtain Walls** *(08 44 13)*		
08 44 13 00-0002		**Coping Sections** *(08 44 13 00-0001)*		
08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	89.59	3.61
		For Bronze Anodized Aluminum, Add	*10.28*	
		For Stainless Steel, Add	*42.16*	
		For Black Anodized Finish, Add	*18.50*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	93.25	3.61
		For Bronze Anodized Aluminum, Add	*10.83*	
		For Stainless Steel, Add	*44.36*	
		For Black Anodized Finish, Add	*19.49*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	111.91	4.81
		For Bronze Anodized Aluminum, Add	*12.85*	
		For Stainless Steel, Add	*52.70*	
		For Black Anodized Finish, Add	*23.13*	
08 44 13 00-0006		**Sill Section** *(08 44 13 00-0001)*		
08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	61.34	2.40
		For Bronze Anodized Aluminum, Add	*6.98*	
		For Stainless Steel, Add	*28.64*	
		For Black Anodized Finish, Add	*12.56*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	66.30	2.40
		For Bronze Anodized Aluminum, Add	*7.72*	
		For Stainless Steel, Add	*31.62*	
		For Black Anodized Finish, Add	*13.89*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	71.33	2.40
		For Bronze Anodized Aluminum, Add	*8.47*	
		For Stainless Steel, Add	*34.64*	
		For Black Anodized Finish, Add	*15.25*	
08 44 13 00-0010		**Aluminum Column Covers** *(08 44 13 00-0001)* Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	183.51	6.01
		For Bronze Anodized Aluminum, Add	*22.45*	
		For Stainless Steel, Add	*91.49*	
		For Black Anodized Finish, Add	*40.41*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	226.95	6.01
		For Bronze Anodized Aluminum, Add	*28.66*	
		For Stainless Steel, Add	*116.44*	
		For Black Anodized Finish, Add	*51.59*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	243.90	6.01
		For Bronze Anodized Aluminum, Add	*31.20*	
		For Stainless Steel, Add	*126.61*	
		For Black Anodized Finish, Add	*56.17*	
08 44 13 00-0014		**Spandrel Covers** *(08 44 13 00-0001)* Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	75.01	2.40
		For Bronze Anodized Aluminum, Add	*9.74*	
		For Stainless Steel, Add	*39.45*	
		For Black Anodized Finish, Add	*17.53*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	65.38	2.40
		For Bronze Anodized Aluminum, Add	*8.29*	
		For Stainless Steel, Add	*33.67*	
		For Black Anodized Finish, Add	*14.93*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	145.13	2.40
		For Bronze Anodized Aluminum, Add	*20.25*	
		For Stainless Steel, Add	*81.52*	
		For Black Anodized Finish, Add	*36.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	117.97	2.40
		For Bronze Anodized Aluminum, Add	*16.18*	
		For Stainless Steel, Add	*65.23*	
		For Black Anodized Finish, Add	*29.12*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	83.92	2.40
		For Bronze Anodized Aluminum, Add	*10.68*	
		For Stainless Steel, Add	*43.36*	
		For Black Anodized Finish, Add	*19.22*	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	74.81	2.40
		For Bronze Anodized Aluminum, Add	*9.31*	
		For Stainless Steel, Add	*37.89*	
		For Black Anodized Finish, Add	*16.76*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	165.53	2.40
		For Bronze Anodized Aluminum, Add	*22.92*	
		For Stainless Steel, Add	*92.32*	
		For Black Anodized Finish, Add	*41.26*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	134.20	2.40
		For Bronze Anodized Aluminum, Add	*18.22*	
		For Stainless Steel, Add	*73.52*	
		For Black Anodized Finish, Add	*32.80*	
08 44 13 00-0023		**Curtain Wall, Aluminum System Framing Sections** *(08 44 13 00-0001)*		
		Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	88.37	2.40
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.78*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	88.18	2.40
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.77*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	88.19	2.40
		For Bronze Anodized Aluminum, Add	*11.83*	
		For Stainless Steel, Add	*47.77*	
		For Black Anodized Finish, Add	*21.29*	
		For Corner Mullion, Add	*21.11*	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	108.62	4.81
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	108.62	4.81
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	108.62	4.81
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
		For Corner Mullion, Add	*25.71*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	119.26	5.28
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.75*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	119.26	5.28
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.75*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	119.26	5.28
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.75*	
		For Black Anodized Finish, Add	*27.87*	
		For Corner Mullion, Add	*28.21*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	130.13	6.01
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	130.13	6.01
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	130.13	6.01
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
		For Corner Mullion, Add	*30.75*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	146.12	6.49
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	146.12	6.49
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	146.12	6.49
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	
		For Corner Mullion, Add	*34.59*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	167.74	7.21
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	167.74	7.21
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	167.74	7.21
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	
		For Corner Mullion, Add	*39.71*	

08 44 26 Structural Glass Curtain Walls *(08 44)*

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls *(08 44 26)*

08 44 26 16-0001 Centria Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0002	SF	Centria CS-260, 210 Single Skin Metal Panel Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	74.52	22.63
08 44 26 16-0003	SF	Centria Formawall Insulated Metal Panels Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	120.20	18.86
08 44 26 16-0004	LF	Centria Formawall Insulated Metal Panels Radius Column Note: Includes radius coping.	197.69	31.44
08 44 26 16-0005	LF	Centria Formawall Insulated Metal Panels Coping	39.53	6.28
08 44 26 16-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass Note: 20 pounds per square foot (PSF) wind load with 70% Mica Kynar two coat finish factory installed.	139.00	30.18
08 44 26 16-0007	SF	Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	25.09	
08 44 26 16-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	48.54	
08 44 26 16-0009	LF	Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	302.16	18.86
08 44 26 16-0010	LF	Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	1,402.66	133.28

08 44 26 16-0011 Kalwall Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0012	SF	Kalwall Translucent Panel System Standard Note: 25 pounds per square foot (PSF) wind load. Factory installed 70% Mica Kynar two coat finish.	170.47	25.14
08 44 26 16-0013	SF	Kalwall Translucent Panel System High Impact	177.41	25.14
08 44 26 16-0014	EA	Wind Clips Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	404.46	
08 44 26 16-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	471.87	
08 44 26 16-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5")	21.57	
08 44 26 16-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	94.37	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	156.19	6.95
		For Aluminum Frame, Add	*14.58*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	143.15	5.92
		For Aluminum Frame, Add	*13.43*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,001.43	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.34*	
		For Clear Anodized Finish, Add	*38.61*	
		For Color Anodized Finish, Add	*54.06*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,134.96	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.49*	
		For Clear Anodized Finish, Add	*44.57*	
		For Color Anodized Finish, Add	*62.40*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,247.77	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.40*	
		For Clear Anodized Finish, Add	*49.50*	
		For Color Anodized Finish, Add	*69.30*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,339.83	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Clear Anodized Finish, Add	*53.39*	
		For Color Anodized Finish, Add	*74.74*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,556.30	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.19*	
		For Clear Anodized Finish, Add	*63.49*	
		For Color Anodized Finish, Add	*88.89*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	50.94	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.54*	
		For Clear Anodized Finish, Add	*2.12*	
		For Color Anodized Finish, Add	*2.96*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,550.84	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.30*	
		For Clear Anodized Finish, Add	*66.08*	
		For Color Anodized Finish, Add	*92.52*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,731.02	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.25*	
		For Clear Anodized Finish, Add	*74.38*	
		For Color Anodized Finish, Add	*104.13*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,880.11	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.34*	
		For Clear Anodized Finish, Add	*81.12*	
		For Color Anodized Finish, Add	*113.56*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,023.99	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.11*	
		For Clear Anodized Finish, Add	*87.59*	
		For Color Anodized Finish, Add	*122.63*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,427.06	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*128.44*	
		For Clear Anodized Finish, Add	*107.03*	
		For Color Anodized Finish, Add	*149.84*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	79.96	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.28*	
		For Clear Anodized Finish, Add	*3.57*	
		For Color Anodized Finish, Add	*5.00*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,644.13	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.90*	
		For Clear Anodized Finish, Add	*70.75*	
		For Color Anodized Finish, Add	*99.05*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,860.59	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Clear Anodized Finish, Add	*80.86*	
		For Color Anodized Finish, Add	*113.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,035.60	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.67*	
		For Clear Anodized Finish, Add	*88.89*	
		For Color Anodized Finish, Add	*124.45*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,205.40	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.00*	
		For Clear Anodized Finish, Add	*96.66*	
		For Color Anodized Finish, Add	*135.33*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,649.93	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*141.81*	
		For Clear Anodized Finish, Add	*118.17*	
		For Color Anodized Finish, Add	*165.44*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	87.37	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.73*	
		For Clear Anodized Finish, Add	*3.94*	
		For Color Anodized Finish, Add	*5.51*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,820.36	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.47*	
		For Clear Anodized Finish, Add	*79.56*	
		For Color Anodized Finish, Add	*111.38*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,104.20	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*111.64*	
		For Clear Anodized Finish, Add	*93.04*	
		For Color Anodized Finish, Add	*130.25*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,284.39	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.60*	
		For Clear Anodized Finish, Add	*101.33*	
		For Color Anodized Finish, Add	*141.86*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,454.19	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.92*	
		For Clear Anodized Finish, Add	*109.10*	
		For Color Anodized Finish, Add	*152.75*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,862.44	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.56*	
		For Clear Anodized Finish, Add	*128.80*	
		For Color Anodized Finish, Add	*180.32*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	94.47	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.15*	
		For Clear Anodized Finish, Add	*4.29*	
		For Color Anodized Finish, Add	*6.01*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,141.37	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.73*	
		For Clear Anodized Finish, Add	*45.61*	
		For Color Anodized Finish, Add	*63.86*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,269.72	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.58*	
		For Clear Anodized Finish, Add	*51.31*	
		For Color Anodized Finish, Add	*71.84*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,377.35	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.17*	
		For Clear Anodized Finish, Add	*55.98*	
		For Color Anodized Finish, Add	*78.37*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,490.14	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.08*	
		For Clear Anodized Finish, Add	*60.90*	
		For Color Anodized Finish, Add	*85.26*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,758.44	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.32*	
		For Clear Anodized Finish, Add	*73.60*	
		For Color Anodized Finish, Add	*103.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	57.67	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.94*	
		For Clear Anodized Finish, Add	*2.45*	
		For Color Anodized Finish, Add	*3.44*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,436.81	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.46*	
		For Clear Anodized Finish, Add	*60.38*	
		For Color Anodized Finish, Add	*84.54*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,679.19	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.14*	
		For Clear Anodized Finish, Add	*71.79*	
		For Color Anodized Finish, Add	*100.50*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,874.92	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Clear Anodized Finish, Add	*80.86*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,096.56	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Clear Anodized Finish, Add	*91.22*	
		For Color Anodized Finish, Add	*127.71*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,509.99	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*133.41*	
		For Clear Anodized Finish, Add	*111.18*	
		For Color Anodized Finish, Add	*155.65*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	82.71	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.45*	
		For Clear Anodized Finish, Add	*3.71*	
		For Color Anodized Finish, Add	*5.19*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,846.27	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Clear Anodized Finish, Add	*80.86*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,130.11	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.20*	
		For Clear Anodized Finish, Add	*94.33*	
		For Color Anodized Finish, Add	*132.06*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,367.32	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.57*	
		For Clear Anodized Finish, Add	*105.48*	
		For Color Anodized Finish, Add	*147.67*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,599.32	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.63*	
		For Clear Anodized Finish, Add	*116.36*	
		For Color Anodized Finish, Add	*162.90*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,168.24	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.91*	
		For Clear Anodized Finish, Add	*144.09*	
		For Color Anodized Finish, Add	*201.73*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	104.63	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.76*	
		For Clear Anodized Finish, Add	*4.80*	
		For Color Anodized Finish, Add	*6.72*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,954.23	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*54.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*162.65*	
		For Clear Anodized Finish, Add	*135.54*	
		For Color Anodized Finish, Add	*189.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,243.26	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Clear Anodized Finish, Add	*149.27*	
		For Color Anodized Finish, Add	*208.98*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,584.10	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.72*	
		For Clear Anodized Finish, Add	*165.60*	
		For Color Anodized Finish, Add	*231.84*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,163.39	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.62*	
		For Clear Anodized Finish, Add	*193.85*	
		For Color Anodized Finish, Add	*271.39*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	137.65	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.74*	
		For Clear Anodized Finish, Add	*6.45*	
		For Color Anodized Finish, Add	*9.03*	
08 51 13 00-0059		**5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)** *(08 51 13 00-0031)*		
08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,125.60	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.93*	
		For Clear Anodized Finish, Add	*194.11*	
		For Color Anodized Finish, Add	*271.75*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,450.92	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*83.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*251.59*	
		For Clear Anodized Finish, Add	*209.66*	
		For Color Anodized Finish, Add	*293.52*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,822.86	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*91.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*273.05*	
		For Clear Anodized Finish, Add	*227.54*	
		For Color Anodized Finish, Add	*318.55*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,474.71	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*103.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*311.30*	
		For Clear Anodized Finish, Add	*259.41*	
		For Color Anodized Finish, Add	*363.18*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	181.71	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.39*	
		For Clear Anodized Finish, Add	*8.66*	
		For Color Anodized Finish, Add	*12.12*	
08 51 13 00-0065		**Horizontal Sliding Aluminum Windows** *(08 51 13 00-0001)*		
08 51 13 00-0066		**One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows** *(08 51 13 00-0065)*		
08 51 13 00-0067		**2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)** *(08 51 13 00-0066)*		
08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,027.35	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.89*	
		For Clear Anodized Finish, Add	*39.91*	
		For Color Anodized Finish, Add	*55.87*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,166.06	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Clear Anodized Finish, Add	*46.13*	
		For Color Anodized Finish, Add	*64.58*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,268.50	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.64*	
		For Clear Anodized Finish, Add	*50.54*	
		For Color Anodized Finish, Add	*70.75*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,376.11	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.24*	
		For Clear Anodized Finish, Add	*55.20*	
		For Color Anodized Finish, Add	*77.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,602.94	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.99*	
		For Clear Anodized Finish, Add	*65.83*	
		For Color Anodized Finish, Add	*92.16*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	52.49	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.63*	
		For Clear Anodized Finish, Add	*2.20*	
		For Color Anodized Finish, Add	*3.07*	
08 51 13 00-0074		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*		
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,685.60	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.39*	
		For Clear Anodized Finish, Add	*72.82*	
		For Color Anodized Finish, Add	*101.95*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,907.24	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*99.83*	
		For Clear Anodized Finish, Add	*83.19*	
		For Color Anodized Finish, Add	*116.46*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,082.25	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Clear Anodized Finish, Add	*91.22*	
		For Color Anodized Finish, Add	*127.71*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,252.05	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.80*	
		For Clear Anodized Finish, Add	*99.00*	
		For Color Anodized Finish, Add	*138.60*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,629.20	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.57*	
		For Clear Anodized Finish, Add	*117.14*	
		For Color Anodized Finish, Add	*163.99*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	86.70	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.69*	
		For Clear Anodized Finish, Add	*3.91*	
		For Color Anodized Finish, Add	*5.47*	
08 51 13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*		
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*		
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,162.11	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.98*	
		For Clear Anodized Finish, Add	*46.65*	
		For Color Anodized Finish, Add	*65.31*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,342.29	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.93*	
		For Clear Anodized Finish, Add	*54.94*	
		For Color Anodized Finish, Add	*76.92*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,460.28	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.15*	
		For Clear Anodized Finish, Add	*60.12*	
		For Color Anodized Finish, Add	*84.17*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,557.52	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*77.12*	
		For Clear Anodized Finish, Add	*64.27*	
		For Color Anodized Finish, Add	*89.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,815.45	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Clear Anodized Finish, Add	*76.45*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	59.54	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Clear Anodized Finish, Add	*2.55*	
		For Color Anodized Finish, Add	*3.57*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,126.50	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.84*	
		For Clear Anodized Finish, Add	*144.87*	
		For Color Anodized Finish, Add	*202.81*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,597.68	158.97
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.96*	
		For Clear Anodized Finish, Add	*166.64*	
		For Color Anodized Finish, Add	*233.29*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,891.89	167.57
		For 50% Fluoropolymer Finish (Acrynar), Add	*72.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*216.76*	
		For Clear Anodized Finish, Add	*180.63*	
		For Color Anodized Finish, Add	*252.88*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,715.52	189.05
		For 50% Fluoropolymer Finish (Acrynar), Add	*88.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*264.03*	
		For Clear Anodized Finish, Add	*220.02*	
		For Color Anodized Finish, Add	*308.03*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	5,447.83	214.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*101.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*305.39*	
		For Clear Anodized Finish, Add	*254.49*	
		For Color Anodized Finish, Add	*356.29*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	93.39	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.09*	
		For Clear Anodized Finish, Add	*4.24*	
		For Color Anodized Finish, Add	*5.94*	

08 51 13 00-0097 Fixed Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	783.74	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.28*	
		For Clear Anodized Finish, Add	*27.73*	
		For Color Anodized Finish, Add	*38.82*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	901.72	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.50*	
		For Clear Anodized Finish, Add	*32.91*	
		For Color Anodized Finish, Add	*46.08*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	952.33	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.67*	
		For Clear Anodized Finish, Add	*34.73*	
		For Color Anodized Finish, Add	*48.62*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,002.93	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.85*	
		For Clear Anodized Finish, Add	*36.54*	
		For Color Anodized Finish, Add	*51.16*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,354.16	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Clear Anodized Finish, Add	*53.39*	
		For Color Anodized Finish, Add	*74.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	44.20	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.14*	
		For Clear Anodized Finish, Add	*1.78*	
		For Color Anodized Finish, Add	*2.49*	
08 51 13 00-0105		**2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)** *(08 51 13 00-0097)*		
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,011.80	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.96*	
		For Clear Anodized Finish, Add	*39.13*	
		For Color Anodized Finish, Add	*54.79*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,166.06	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Clear Anodized Finish, Add	*46.13*	
		For Color Anodized Finish, Add	*64.58*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,258.14	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.02*	
		For Clear Anodized Finish, Add	*50.02*	
		For Color Anodized Finish, Add	*70.02*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,355.38	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.00*	
		For Clear Anodized Finish, Add	*54.16*	
		For Color Anodized Finish, Add	*75.83*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,815.45	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Clear Anodized Finish, Add	*76.45*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	59.54	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Clear Anodized Finish, Add	*2.55*	
		For Color Anodized Finish, Add	*3.57*	
08 51 13 00-0112		**3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)** *(08 51 13 00-0097)*		
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	856.30	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.63*	
		For Clear Anodized Finish, Add	*31.36*	
		For Color Anodized Finish, Add	*43.90*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,010.57	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.03*	
		For Clear Anodized Finish, Add	*38.36*	
		For Color Anodized Finish, Add	*53.70*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,092.28	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.07*	
		For Clear Anodized Finish, Add	*41.72*	
		For Color Anodized Finish, Add	*58.41*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,179.15	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.42*	
		For Clear Anodized Finish, Add	*45.35*	
		For Color Anodized Finish, Add	*63.49*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,613.31	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.61*	
		For Clear Anodized Finish, Add	*66.34*	
		For Color Anodized Finish, Add	*92.88*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	52.80	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.65*	
		For Clear Anodized Finish, Add	*2.21*	
		For Color Anodized Finish, Add	*3.09*	
08 51 13 00-0119		**4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)** *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	851.12	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.32*	
		For Clear Anodized Finish, Add	*31.10*	
		For Color Anodized Finish, Add	*43.54*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	989.83	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.78*	
		For Clear Anodized Finish, Add	*37.32*	
		For Color Anodized Finish, Add	*52.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,071.55	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.83*	
		For Clear Anodized Finish, Add	*40.69*	
		For Color Anodized Finish, Add	*56.96*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,158.42	163.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.18*	
		For Clear Anodized Finish, Add	*44.32*	
		For Color Anodized Finish, Add	*62.04*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,592.58	171.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.37*	
		For Clear Anodized Finish, Add	*65.31*	
		For Color Anodized Finish, Add	*91.43*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	52.13	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.61*	
		For Clear Anodized Finish, Add	*2.18*	
		For Color Anodized Finish, Add	*3.05*	

08 51 13 00-0126 Projected Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0127 Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*

08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,173.51	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.66*	
		For Clear Anodized Finish, Add	*47.22*	
		For Color Anodized Finish, Add	*66.11*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,274.39	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.86*	
		For Clear Anodized Finish, Add	*51.55*	
		For Color Anodized Finish, Add	*72.16*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,392.90	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.11*	
		For Clear Anodized Finish, Add	*56.76*	
		For Color Anodized Finish, Add	*79.46*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	84.26	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.54*	
		For Clear Anodized Finish, Add	*3.78*	
		For Color Anodized Finish, Add	*5.30*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,631.75	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.16*	
		For Clear Anodized Finish, Add	*70.13*	
		For Color Anodized Finish, Add	*98.18*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,808.30	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.89*	
		For Clear Anodized Finish, Add	*78.24*	
		For Color Anodized Finish, Add	*109.54*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,014.87	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.42*	
		For Clear Anodized Finish, Add	*87.85*	
		For Color Anodized Finish, Add	*122.99*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	125.73	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.03*	
		For Clear Anodized Finish, Add	*5.86*	
		For Color Anodized Finish, Add	*8.20*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,803.62	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.47*	
		For Clear Anodized Finish, Add	*78.72*	
		For Color Anodized Finish, Add	*110.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,008.47	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.90*	
		For Clear Anodized Finish, Add	*88.25*	
		For Color Anodized Finish, Add	*123.55*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,248.11	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.42*	
		For Clear Anodized Finish, Add	*99.52*	
		For Color Anodized Finish, Add	*139.32*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	141.28	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.96*	
		For Clear Anodized Finish, Add	*6.63*	
		For Color Anodized Finish, Add	*9.29*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	1,922.00	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*101.57*	
		For Clear Anodized Finish, Add	*84.64*	
		For Color Anodized Finish, Add	*118.50*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,146.39	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.18*	
		For Clear Anodized Finish, Add	*95.15*	
		For Color Anodized Finish, Add	*133.20*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,408.78	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.06*	
		For Clear Anodized Finish, Add	*107.55*	
		For Color Anodized Finish, Add	*150.57*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	152.01	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.61*	
		For Clear Anodized Finish, Add	*7.17*	
		For Color Anodized Finish, Add	*10.04*	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,906.71	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.65*	
		For Clear Anodized Finish, Add	*83.88*	
		For Color Anodized Finish, Add	*117.43*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,128.61	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.11*	
		For Clear Anodized Finish, Add	*94.26*	
		For Color Anodized Finish, Add	*131.96*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,388.05	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.82*	
		For Clear Anodized Finish, Add	*106.51*	
		For Color Anodized Finish, Add	*149.12*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	150.61	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.52*	
		For Clear Anodized Finish, Add	*7.10*	
		For Color Anodized Finish, Add	*9.94*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,673.78	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.68*	
		For Clear Anodized Finish, Add	*72.23*	
		For Color Anodized Finish, Add	*101.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,857.23	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*96.83*	
		For Clear Anodized Finish, Add	*80.69*	
		For Color Anodized Finish, Add	*112.96*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,071.88	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.84*	
		For Clear Anodized Finish, Add	*90.70*	
		For Color Anodized Finish, Add	*126.99*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	129.36	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.25*	
		For Clear Anodized Finish, Add	*6.04*	
		For Color Anodized Finish, Add	*8.45*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,399.36	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.21*	
		For Clear Anodized Finish, Add	*108.51*	
		For Color Anodized Finish, Add	*151.91*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,702.54	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*147.54*	
		For Clear Anodized Finish, Add	*122.95*	
		For Color Anodized Finish, Add	*172.13*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,056.67	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*167.93*	
		For Clear Anodized Finish, Add	*139.94*	
		For Color Anodized Finish, Add	*195.92*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	195.18	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.20*	
		For Clear Anodized Finish, Add	*9.33*	
		For Color Anodized Finish, Add	*13.06*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,552.11	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.38*	
		For Clear Anodized Finish, Add	*116.15*	
		For Color Anodized Finish, Add	*162.61*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,880.47	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.22*	
		For Clear Anodized Finish, Add	*131.85*	
		For Color Anodized Finish, Add	*184.59*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,263.99	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*180.37*	
		For Clear Anodized Finish, Add	*150.31*	
		For Color Anodized Finish, Add	*210.43*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	208.66	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.00*	
		For Clear Anodized Finish, Add	*10.00*	
		For Color Anodized Finish, Add	*14.00*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,536.87	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.46*	
		For Clear Anodized Finish, Add	*115.39*	
		For Color Anodized Finish, Add	*161.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,862.69	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.15*	
		For Clear Anodized Finish, Add	*130.96*	
		For Color Anodized Finish, Add	*183.35*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,243.26	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Clear Anodized Finish, Add	*149.27*	
		For Color Anodized Finish, Add	*208.98*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	207.62	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.94*	
		For Clear Anodized Finish, Add	*9.95*	
		For Color Anodized Finish, Add	*13.93*	
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,773.63	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*152.67*	
		For Clear Anodized Finish, Add	*127.22*	
		For Color Anodized Finish, Add	*178.11*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,138.54	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.70*	
		For Clear Anodized Finish, Add	*144.75*	
		For Color Anodized Finish, Add	*202.65*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,564.61	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.41*	
		For Clear Anodized Finish, Add	*165.34*	
		For Color Anodized Finish, Add	*231.48*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	228.87	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.22*	
		For Clear Anodized Finish, Add	*11.01*	
		For Color Anodized Finish, Add	*15.42*	
08 51 13 00-0179		Casement Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0180		Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*		
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,360.62	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.89*	
		For Clear Anodized Finish, Add	*56.57*	
		For Color Anodized Finish, Add	*79.20*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,492.39	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.94*	
		For Clear Anodized Finish, Add	*62.45*	
		For Color Anodized Finish, Add	*87.42*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,646.87	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.34*	
		For Clear Anodized Finish, Add	*69.45*	
		For Color Anodized Finish, Add	*97.23*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	101.21	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.56*	
		For Clear Anodized Finish, Add	*4.63*	
		For Color Anodized Finish, Add	*6.48*	
08 51 13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*		
08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,055.67	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.59*	
		For Clear Anodized Finish, Add	*91.33*	
		For Color Anodized Finish, Add	*127.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,302.09	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.52*	
		For Clear Anodized Finish, Add	*102.93*	
		For Color Anodized Finish, Add	*144.10*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,590.19	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.94*	
		For Clear Anodized Finish, Add	*116.62*	
		For Color Anodized Finish, Add	*163.27*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	164.08	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.33*	
		For Clear Anodized Finish, Add	*7.77*	
		For Color Anodized Finish, Add	*10.88*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,067.13	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*110.28*	
		For Clear Anodized Finish, Add	*91.90*	
		For Color Anodized Finish, Add	*128.66*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,315.46	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.32*	
		For Clear Anodized Finish, Add	*103.60*	
		For Color Anodized Finish, Add	*145.04*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,605.74	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.88*	
		For Clear Anodized Finish, Add	*117.40*	
		For Color Anodized Finish, Add	*164.36*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	165.12	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.39*	
		For Clear Anodized Finish, Add	*7.83*	
		For Color Anodized Finish, Add	*10.96*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,185.51	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.38*	
		For Clear Anodized Finish, Add	*97.82*	
		For Color Anodized Finish, Add	*136.95*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,453.38	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*132.59*	
		For Clear Anodized Finish, Add	*110.50*	
		For Color Anodized Finish, Add	*154.69*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,766.42	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*150.52*	
		For Clear Anodized Finish, Add	*125.43*	
		For Color Anodized Finish, Add	*175.60*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	175.85	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.04*	
		For Clear Anodized Finish, Add	*8.36*	
		For Color Anodized Finish, Add	*11.71*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,570.67	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.49*	
		For Clear Anodized Finish, Add	*67.08*	
		For Color Anodized Finish, Add	*93.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,737.08	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.62*	
		For Clear Anodized Finish, Add	*74.68*	
		For Color Anodized Finish, Add	*104.55*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,931.94	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.45*	
		For Clear Anodized Finish, Add	*83.71*	
		For Color Anodized Finish, Add	*117.19*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	120.18	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.70*	
		For Clear Anodized Finish, Add	*5.58*	
		For Color Anodized Finish, Add	*7.81*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,265.69	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.19*	
		For Clear Anodized Finish, Add	*101.83*	
		For Color Anodized Finish, Add	*142.56*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,546.78	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.20*	
		For Clear Anodized Finish, Add	*115.17*	
		For Color Anodized Finish, Add	*161.23*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,875.26	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.05*	
		For Clear Anodized Finish, Add	*130.87*	
		For Color Anodized Finish, Add	*183.22*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	183.10	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.47*	
		For Clear Anodized Finish, Add	*8.73*	
		For Color Anodized Finish, Add	*12.22*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,521.58	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.55*	
		For Clear Anodized Finish, Add	*114.62*	
		For Color Anodized Finish, Add	*160.47*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,844.91	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.09*	
		For Clear Anodized Finish, Add	*130.07*	
		For Color Anodized Finish, Add	*182.10*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,222.53	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.88*	
		For Clear Anodized Finish, Add	*148.24*	
		For Color Anodized Finish, Add	*207.53*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	206.22	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.86*	
		For Clear Anodized Finish, Add	*9.88*	
		For Color Anodized Finish, Add	*13.83*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,754.51	137.49
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*151.52*	
		For Clear Anodized Finish, Add	*126.27*	
		For Color Anodized Finish, Add	*176.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,116.30	146.09
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.37*	
		For Clear Anodized Finish, Add	*143.64*	
		For Color Anodized Finish, Add	*201.10*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,538.70	154.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*65.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*196.85*	
		For Clear Anodized Finish, Add	*164.05*	
		For Color Anodized Finish, Add	*229.66*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	227.32	5.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.12*	
		For Clear Anodized Finish, Add	*10.94*	
		For Color Anodized Finish, Add	*15.31*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	44.92	6.44
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.98*	
		For Clear Anodized Finish, Add	*1.65*	
		For Color Anodized Finish, Add	*2.31*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	478.86	52.66
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.47*	
		For Clear Anodized Finish, Add	*19.55*	
		For Color Anodized Finish, Add	*27.38*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	650.45	87.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.25*	
		For Clear Anodized Finish, Add	*25.21*	
		For Color Anodized Finish, Add	*35.29*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	770.72	131.66
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.08*	
		For Clear Anodized Finish, Add	*27.56*	
		For Color Anodized Finish, Add	*38.59*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	900.41	175.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.47*	
		For Clear Anodized Finish, Add	*30.39*	
		For Color Anodized Finish, Add	*42.55*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	1,155.06	263.31
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.97*	
		For Clear Anodized Finish, Add	*35.81*	
		For Color Anodized Finish, Add	*50.13*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	40.66	10.97
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.34*	
		For Clear Anodized Finish, Add	*1.12*	
		For Color Anodized Finish, Add	*1.57*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	10.71	6.44
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.13*	
		For Clear Anodized Finish, Add	*0.11*	
		For Color Anodized Finish, Add	*0.15*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	16.84	6.44
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.50*	
		For Clear Anodized Finish, Add	*0.41*	
		For Color Anodized Finish, Add	*0.58*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	33.26	6.44
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.71*	
		For Clear Anodized Finish, Add	*0.59*	
		For Color Anodized Finish, Add	*0.82*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	40.84	6.44
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.99*	
		For Clear Anodized Finish, Add	*0.82*	
		For Color Anodized Finish, Add	*1.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0237		Other Aluminum Window Accessories *(08 51 13 00-0222)*		
08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	400.87	28.63
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	193.55	28.63
08 51 19		**Stainless-Steel Windows** *(08 51)*		
		See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001		Stainless Steel Windows Types *(08 51 19)*		
08 51 19 00-0002		Industrial *(08 51 19 00-0001)*		
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	121.84	8.59
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	91.50	8.59
08 51 19 00-0005		Projected Sash *(08 51 19 00-0001)*		
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	127.50	8.59
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	140.92	8.59
08 51 19 00-0008		Other Type Sash *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	154.30	8.59
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	108.72	8.59
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	90.60	8.59
08 51 19 00-0012	SF	Sliding Stainless Steel Window	159.21	8.59
08 51 19 00-0013		Casements *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	138.14	8.59
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	119.28	8.59
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	83.69	8.59
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001		Steel Windows *(08 51 23)*		
08 51 23 00-0002		Industrial *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	114.02	8.59
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	101.60	8.59
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	164.91	8.59
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	140.08	8.59
08 51 23 00-0007		Projected Sash *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	129.65	8.59
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	143.30	8.59
08 51 23 00-0010		Other Type Sash *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	167.40	8.59
08 51 23 00-0012	SF	Steel Picture Window Sash	70.22	8.59
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	172.78	10.74
08 51 23 00-0014	SF	Single Hung Steel Window Sash	117.57	8.59
08 51 23 00-0015		Casements *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	149.76	4.29
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	129.13	4.29
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	90.19	6.44
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	52.82	6.44
08 51 23 00-0021	LF	Covered Steel Mullions	91.84	6.44
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	22.69	
08 51 69		**Metal Storm Windows** *(08 51)*		
08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	64.63	4.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 Wood Windows *(08 50)*

08 52 11 Wood Windows *(08 52)*

08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)*

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	384.08	
		For Low-E Insulated Glass, Add	*29.63*	
		For Aluminum Clad Exterior, Add	*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	407.32	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	432.10	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	445.25	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	456.86	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	471.53	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	478.64	
		For Low-E Insulated Glass, Add	*38.38*	
		For Aluminum Clad Exterior, Add	*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	507.92	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	532.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	

08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	407.32	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	432.10	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	452.86	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	471.53	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	483.16	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	496.31	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	507.92	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	532.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	557.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	418.47	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	443.24	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	469.53	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	481.15	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	494.30	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	505.93	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	519.06	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	542.31	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	567.08	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	434.10	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	458.87	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	485.16	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	498.32	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	509.93	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	523.07	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	534.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	559.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	584.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	483.16	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	507.92	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	532.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	544.32	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	557.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	569.08	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	582.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	607.00	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	633.29	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	494.30	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	519.06	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	542.31	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	555.46	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	567.08	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	580.23	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	591.85	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	618.15	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	642.91	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	509.93	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	534.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	559.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	571.09	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	584.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	595.86	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	609.01	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	635.30	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	660.07	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	534.70	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	559.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	584.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	595.86	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	609.01	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	622.15	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	635.30	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	660.07	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	684.83	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0082		**58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	557.47	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	582.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	607.00	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	620.14	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	633.29	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	644.92	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	658.06	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	682.82	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	706.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0092		**60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	567.08	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	591.85	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	618.15	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	631.29	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	642.91	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	656.05	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	667.69	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	692.45	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	717.21	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0102		**62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	584.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	609.01	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	635.30	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	646.92	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	660.07	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	671.70	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	684.83	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	708.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	732.85	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0112		**66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**		
		(08 52 11 00-0001)		
08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	609.01	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	635.30	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	660.07	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	671.70	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	684.83	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	696.46	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	708.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	732.85	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	757.62	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0122		**70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**		
		(08 52 11 00-0001)		
08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	633.29	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	658.06	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	682.82	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	694.46	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	706.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	723.74	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	732.44	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	755.62	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	781.91	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0132		**74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**		
		(08 52 11 00-0001)		
08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	660.07	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	684.83	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	708.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	721.23	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	732.85	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	745.99	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	757.62	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	783.92	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	808.68	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	692.85	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	716.10	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	740.87	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	754.02	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	765.65	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	778.78	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	791.93	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	816.71	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	841.47	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	

08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows *(08 52 11)*
Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	201.45	17.90
		For Insulating Glass, Add	*14.08*	
08 52 11 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	188.09	19.91
		For Insulating Glass, Add	*12.61*	
08 52 11 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	175.27	22.34
		For Insulating Glass, Add	*11.09*	

08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows *(08 52 11)*
Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	218.91	17.90
		For Insulating Glass, Add	*15.57*	
08 52 11 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	197.51	19.90
		For Insulating Glass, Add	*13.41*	
08 52 11 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	180.79	22.33
		For Insulating Glass, Add	*11.56*	

08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame *(08 52 11)*
Note: Includes storage, cleaning and supply materials.

08 52 11 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	34.26	

08 52 13 Metal-Clad Wood Windows *(08 52)*

08 52 13 00-0001 Double Hung Metal Clad Windows *(08 52 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0002		**Double Hung Metal Clad Windows** *(08 52 13 00-0001)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003		**36-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0004	EA	21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	854.20	65.88
		For Tempered Low-E Insulated Glass, Add	*144.77*	
08 52 13 00-0005	EA	25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	907.21	68.03
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0006	EA	29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.16	70.89
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0007	EA	31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	992.62	73.04
		For Tempered Low-E Insulated Glass, Add	*169.59*	
08 52 13 00-0008	EA	33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,019.13	74.47
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0009	EA	35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.63	75.90
		For Tempered Low-E Insulated Glass, Add	*179.05*	
08 52 13 00-0010	EA	37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.09	76.62
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0011	EA	41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	79.49
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0012	EA	45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	82.35
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0013		**40-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0014	EA	21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	907.21	68.74
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0015	EA	25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.16	70.89
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0016	EA	29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,019.13	73.75
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0017	EA	31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.63	75.90
		For Tempered Low-E Insulated Glass, Add	*179.05*	
08 52 13 00-0018	EA	33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.09	77.34
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0019	EA	35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,101.60	78.77
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0020	EA	37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	79.49
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0021	EA	41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	82.35
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0022	EA	45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.22
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0023		**44-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0024	EA	21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.16	71.61
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0025	EA	25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,019.13	73.75
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0026	EA	29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.09	76.62
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0027	EA	31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,101.60	78.77
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0028	EA	33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	80.21
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0029	EA	35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,157.52	81.64
		For Tempered Low-E Insulated Glass, Add	*199.14*	
08 52 13 00-0030	EA	37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	82.35
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0031	EA	41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.22
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0032	EA	45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.08
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0033		**48-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0034	EA	21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,019.13	74.47
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0035	EA	25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.09	76.62
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0036	EA	29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	79.49
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0037	EA	31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,157.52	81.64
		For Tempered Low-E Insulated Glass, Add	*199.14*	
08 52 13 00-0038	EA	33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	83.07
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0039	EA	35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,210.54	84.50
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0040	EA	37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.22
		For Tempered Low-E Insulated Glass, Add	*213.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0041	EA	41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.08
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0042	EA	45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	90.94
		For Tempered Low-E Insulated Glass, Add	*233.42*	

08 52 13 00-0043 52-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0044	EA	21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.09	77.34
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0045	EA	25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	79.49
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0046	EA	29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	82.35
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0047	EA	31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,210.54	84.50
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0048	EA	33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.93
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0049	EA	35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,266.50	87.36
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0050	EA	37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.08
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0051	EA	41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	90.94
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0052	EA	45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	93.81
		For Tempered Low-E Insulated Glass, Add	*243.46*	

08 52 13 00-0053 56-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0054	EA	21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,128.10	80.21
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0055	EA	25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	82.35
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0056	EA	29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.22
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0057	EA	31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,266.50	87.36
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0058	EA	33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.80
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0059	EA	35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,322.46	90.23
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0060	EA	37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	90.94
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0061	EA	41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	93.81
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0062	EA	45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	96.67
		For Tempered Low-E Insulated Glass, Add	*253.50*	

08 52 13 00-0063 60-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0064	EA	21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,184.03	83.07
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0065	EA	25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.22
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0066	EA	29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.08
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0067	EA	31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,322.46	90.23
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0068	EA	33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	91.66
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0069	EA	35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,378.42	93.09
		For Tempered Low-E Insulated Glass, Add	*238.73*	
08 52 13 00-0070	EA	37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	93.81
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0071	EA	41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	96.67
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0072	EA	45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.86	99.54
		For Tempered Low-E Insulated Glass, Add	*262.96*	

08 52 13 00-0073 64-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0074	EA	21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.99	85.93
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0075	EA	25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.08
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0076	EA	29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	90.94
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0077	EA	31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,378.42	93.09
		For Tempered Low-E Insulated Glass, Add	*238.73*	
08 52 13 00-0078	EA	33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	94.52
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0079	EA	35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,431.43	95.95
		For Tempered Low-E Insulated Glass, Add	*248.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0080	EA	37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	96.67
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0081	EA	41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.86	99.54
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0082	EA	45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.83	102.40
		For Tempered Low-E Insulated Glass, Add	*273.01*	

08 52 13 00-0083 68-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0084	EA	21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.96	88.80
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0085	EA	25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	90.94
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0086	EA	29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	93.81
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0087	EA	31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,431.43	95.95
		For Tempered Low-E Insulated Glass, Add	*248.19*	
08 52 13 00-0088	EA	33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	97.38
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0089	EA	35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,487.37	98.82
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0090	EA	37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.86	99.54
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0091	EA	41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.83	102.40
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0092	EA	45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.80	105.27
		For Tempered Low-E Insulated Glass, Add	*283.05*	

08 52 13 00-0093 72-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0094	EA	21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.96	91.66
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0095	EA	25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	93.81
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	96.67
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,487.37	98.82
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.86	100.26
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,543.33	101.69
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.83	102.40
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.80	105.27
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,681.75	108.13
		For Tempered Low-E Insulated Glass, Add	*293.10*	

08 52 13 00-0103 76-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.93	94.52
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.87	96.67
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.86	99.54
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,543.33	101.69
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.83	103.12
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,599.28	104.55
		For Tempered Low-E Insulated Glass, Add	*278.32*	
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.80	105.27
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,681.75	108.13
		For Tempered Low-E Insulated Glass, Add	*293.10*	
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,734.76	110.99
		For Tempered Low-E Insulated Glass, Add	*302.55*	

08 52 13 00-0113 84-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,217.08	100.26
		For Tempered Low-E Insulated Glass, Add	*403.60*	
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,296.68	102.40
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,376.26	105.27
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,414.58	107.41
		For Tempered Low-E Insulated Glass, Add	*440.24*	
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,455.86	108.85
		For Tempered Low-E Insulated Glass, Add	*447.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,494.18	110.28
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,532.50	110.99
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,612.10	113.86
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,691.68	116.72
		For Tempered Low-E Insulated Glass, Add	*491.65*	
08 52 13 00-0123		88-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,296.68	103.12
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,376.26	105.27
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,455.86	108.13
		For Tempered Low-E Insulated Glass, Add	*447.92*	
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,494.18	110.28
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,532.50	111.71
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,573.78	113.14
		For Tempered Low-E Insulated Glass, Add	*469.79*	
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,612.10	113.86
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,691.68	116.72
		For Tempered Low-E Insulated Glass, Add	*491.65*	
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,771.28	119.58
		For Tempered Low-E Insulated Glass, Add	*506.42*	
08 52 13 00-0133		Casement Metal Clad Windows *(08 52 13)*		
08 52 13 00-0134		Casement Metal Clad Windows *(08 52 13 00-0133)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0135		One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0136		24-1/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0137	EA	17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	544.48	54.42
		For Tempered Low-E Insulated Glass, Add	*87.41*	
08 52 13 00-0138	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	575.91	55.86
		For Tempered Low-E Insulated Glass, Add	*92.84*	
08 52 13 00-0139	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	610.99	58.72
		For Tempered Low-E Insulated Glass, Add	*98.71*	
08 52 13 00-0140	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	643.37	61.59
		For Tempered Low-E Insulated Glass, Add	*104.04*	
08 52 13 00-0141		28-3/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0142	EA	17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	584.10	57.29
		For Tempered Low-E Insulated Glass, Add	*94.19*	
08 52 13 00-0143	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	615.53	58.72
		For Tempered Low-E Insulated Glass, Add	*99.62*	
08 52 13 00-0144	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	650.64	61.59
		For Tempered Low-E Insulated Glass, Add	*105.49*	
08 52 13 00-0145	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	667.96	64.45
		For Tempered Low-E Insulated Glass, Add	*107.81*	
08 52 13 00-0146	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	708.67	67.31
		For Tempered Low-E Insulated Glass, Add	*115.10*	
08 52 13 00-0147		35-15/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0148	EA	17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	655.14	61.59
		For Tempered Low-E Insulated Glass, Add	*106.39*	
08 52 13 00-0149	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	688.82	64.45
		For Tempered Low-E Insulated Glass, Add	*112.27*	
08 52 13 00-0150	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	723.92	66.60
		For Tempered Low-E Insulated Glass, Add	*118.15*	
08 52 13 00-0151	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	779.38	69.46
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 13 00-0152	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	832.16	71.61
		For Tempered Low-E Insulated Glass, Add	*137.79*	
08 52 13 00-0153	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.69	73.04
		For Tempered Low-E Insulated Glass, Add	*147.52*	
08 52 13 00-0154		40-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0155	EA	17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	702.99	65.88
		For Tempered Low-E Insulated Glass, Add	*114.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0156	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	734.38	67.31
		For Tempered Low-E Insulated Glass, Add	*119.95*	
08 52 13 00-0157	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	769.49	70.18
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0158	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	849.81	73.04
		For Tempered Low-E Insulated Glass, Add	*140.74*	
08 52 13 00-0159	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	905.12	75.90
		For Tempered Low-E Insulated Glass, Add	*150.95*	
08 52 13 00-0160	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	957.00	78.77
		For Tempered Low-E Insulated Glass, Add	*160.18*	
08 52 13 00-0161		**48" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0162	EA	17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.92	71.61
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0163	EA	20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.61	73.04
		For Tempered Low-E Insulated Glass, Add	*131.70*	
08 52 13 00-0164	EA	24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.71	75.90
		For Tempered Low-E Insulated Glass, Add	*137.58*	
08 52 13 00-0165	EA	28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	950.50	78.77
		For Tempered Low-E Insulated Glass, Add	*158.59*	
08 52 13 00-0166	EA	31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	993.79	81.64
		For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 13 00-0167	EA	35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,058.83	84.50
		For Tempered Low-E Insulated Glass, Add	*178.25*	
08 52 13 00-0168		**52-13/16" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0169	EA	17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	817.33	74.47
		For Tempered Low-E Insulated Glass, Add	*133.96*	
08 52 13 00-0170	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	848.75	75.90
		For Tempered Low-E Insulated Glass, Add	*139.39*	
08 52 13 00-0171	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.86	78.77
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0172	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,020.63	81.64
		For Tempered Low-E Insulated Glass, Add	*171.47*	
08 52 13 00-0173	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,085.37	84.50
		For Tempered Low-E Insulated Glass, Add	*183.56*	
08 52 13 00-0174	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.85	87.36
		For Tempered Low-E Insulated Glass, Add	*190.91*	
08 52 13 00-0175		**59-7/8" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0176	EA	17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.86	78.77
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0177	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.53	81.64
		For Tempered Low-E Insulated Glass, Add	*151.14*	
08 52 13 00-0178	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	952.62	83.78
		For Tempered Low-E Insulated Glass, Add	*157.01*	
08 52 13 00-0179	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,121.07	86.65
		For Tempered Low-E Insulated Glass, Add	*189.55*	
08 52 13 00-0180	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,166.89	88.80
		For Tempered Low-E Insulated Glass, Add	*197.86*	
08 52 13 00-0181	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.23	91.66
		For Tempered Low-E Insulated Glass, Add	*208.98*	
08 52 13 00-0182		**64-13/16" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0183	EA	17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	931.68	83.07
		For Tempered Low-E Insulated Glass, Add	*153.40*	
08 52 13 00-0184	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.11	84.50
		For Tempered Low-E Insulated Glass, Add	*158.82*	
08 52 13 00-0185	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	998.22	87.36
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0186	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,191.48	90.23
		For Tempered Low-E Insulated Glass, Add	*202.21*	
08 52 13 00-0187	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,234.11	93.09
		For Tempered Low-E Insulated Glass, Add	*209.87*	
08 52 13 00-0188	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,298.68	95.95
		For Tempered Low-E Insulated Glass, Add	*221.64*	
08 52 13 00-0189		**71-7/8" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0190	EA	17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	998.22	87.36
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0191	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,031.86	90.23
		For Tempered Low-E Insulated Glass, Add	*170.57*	
08 52 13 00-0192	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,066.97	92.37
		For Tempered Low-E Insulated Glass, Add	*176.44*	
08 52 13 00-0193	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,291.90	95.24
		For Tempered Low-E Insulated Glass, Add	*220.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0194	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,344.24	97.38
		For Tempered Low-E Insulated Glass, Add	*229.89*	
08 52 13 00-0195	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,399.10	100.26
		For Tempered Low-E Insulated Glass, Add	*239.72*	
08 52 13 00-0196		Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0197		24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0198	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.26	70.18
		For Tempered Low-E Insulated Glass, Add	*167.38*	
08 52 13 00-0199	EA	48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,111.09	75.90
		For Tempered Low-E Insulated Glass, Add	*191.86*	
08 52 13 00-0200	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,266.17	81.64
		For Tempered Low-E Insulated Glass, Add	*220.58*	
08 52 13 00-0201		28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0202	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,054.71	73.04
		For Tempered Low-E Insulated Glass, Add	*181.72*	
08 52 13 00-0203	EA	48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,188.52	78.77
		For Tempered Low-E Insulated Glass, Add	*206.20*	
08 52 13 00-0204	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,343.62	84.50
		For Tempered Low-E Insulated Glass, Add	*234.92*	
08 52 13 00-0205		35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0206	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.09	73.04
		For Tempered Low-E Insulated Glass, Add	*179.80*	
08 52 13 00-0207	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,181.66	78.77
		For Tempered Low-E Insulated Glass, Add	*205.11*	
08 52 13 00-0208	EA	48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,324.18	84.50
		For Tempered Low-E Insulated Glass, Add	*231.32*	
08 52 13 00-0209	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,489.28	89.51
		For Tempered Low-E Insulated Glass, Add	*262.05*	
08 52 13 00-0210	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,599.84	93.81
		For Tempered Low-E Insulated Glass, Add	*282.44*	
08 52 13 00-0211	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,784.19	100.26
		For Tempered Low-E Insulated Glass, Add	*316.74*	
08 52 13 00-0212		40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0213	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.38	76.62
		For Tempered Low-E Insulated Glass, Add	*197.43*	
08 52 13 00-0214	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,276.92	81.64
		For Tempered Low-E Insulated Glass, Add	*222.73*	
08 52 13 00-0215	EA	48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,419.45	87.36
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0216	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,584.58	93.09
		For Tempered Low-E Insulated Glass, Add	*279.68*	
08 52 13 00-0217	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,707.13	97.38
		For Tempered Low-E Insulated Glass, Add	*302.47*	
08 52 13 00-0218	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,225.22	103.84
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0219		48" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0220	EA	33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,280.64	82.35
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 13 00-0221	EA	40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,419.45	87.36
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0222	EA	48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,561.99	93.09
		For Tempered Low-E Insulated Glass, Add	*275.16*	
08 52 13 00-0223	EA	56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,727.10	98.82
		For Tempered Low-E Insulated Glass, Add	*305.89*	
08 52 13 00-0224	EA	62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,844.43	103.12
		For Tempered Low-E Insulated Glass, Add	*327.64*	
08 52 13 00-0225	EA	71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,021.98	109.56
		For Tempered Low-E Insulated Glass, Add	*360.57*	
08 52 13 00-0226		52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0227	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,374.49	85.22
		For Tempered Low-E Insulated Glass, Add	*240.81*	
08 52 13 00-0228	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,511.06	90.23
		For Tempered Low-E Insulated Glass, Add	*266.12*	
08 52 13 00-0229	EA	48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,636.81	95.96
		For Tempered Low-E Insulated Glass, Add	*288.98*	
08 52 13 00-0230	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,818.69	101.69
		For Tempered Low-E Insulated Glass, Add	*323.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0231	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,941.69	105.98
		For Tempered Low-E Insulated Glass, Add	*345.94*	
08 52 13 00-0232	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,115.85	112.43
		For Tempered Low-E Insulated Glass, Add	*378.20*	
08 52 13 00-0233		59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0234	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.31	90.23
		For Tempered Low-E Insulated Glass, Add	*266.57*	
08 52 13 00-0235	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,649.87	95.95
		For Tempered Low-E Insulated Glass, Add	*291.88*	
08 52 13 00-0236	EA	48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,792.41	101.69
		For Tempered Low-E Insulated Glass, Add	*318.09*	
08 52 13 00-0237	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,957.53	106.70
		For Tempered Low-E Insulated Glass, Add	*348.83*	
08 52 13 00-0238	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,080.52	110.99
		For Tempered Low-E Insulated Glass, Add	*371.71*	
08 52 13 00-0239	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,252.44	117.44
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0240		64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0241	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,608.59	93.81
		For Tempered Low-E Insulated Glass, Add	*284.19*	
08 52 13 00-0242	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,745.17	98.82
		For Tempered Low-E Insulated Glass, Add	*309.51*	
08 52 13 00-0243	EA	48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,889.94	104.55
		For Tempered Low-E Insulated Glass, Add	*336.17*	
08 52 13 00-0244	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,055.08	110.28
		For Tempered Low-E Insulated Glass, Add	*366.90*	
08 52 13 00-0245		71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0246	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,747.42	98.82
		For Tempered Low-E Insulated Glass, Add	*309.96*	
08 52 13 00-0247	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,883.99	104.55
		For Tempered Low-E Insulated Glass, Add	*335.27*	
08 52 13 00-0248	EA	48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,026.51	110.28
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0249	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,191.63	115.29
		For Tempered Low-E Insulated Glass, Add	*392.21*	
08 52 13 00-0250		One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0251		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0252	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,551.69	92.37
		For Tempered Low-E Insulated Glass, Add	*273.39*	
08 52 13 00-0253	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,805.55	101.69
		For Tempered Low-E Insulated Glass, Add	*320.44*	
08 52 13 00-0254		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0255	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,646.94	95.24
		For Tempered Low-E Insulated Glass, Add	*291.29*	
08 52 13 00-0256	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,884.03	104.55
		For Tempered Low-E Insulated Glass, Add	*334.99*	
08 52 13 00-0257		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0258	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,585.03	93.09
		For Tempered Low-E Insulated Glass, Add	*279.77*	
08 52 13 00-0259	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,788.69	100.26
		For Tempered Low-E Insulated Glass, Add	*317.64*	
08 52 13 00-0260	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,040.08	110.28
		For Tempered Low-E Insulated Glass, Add	*364.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0261		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0262	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,675.73	97.38
		For Tempered Low-E Insulated Glass, Add	*296.48*	
08 52 13 00-0263	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,886.25	103.84
		For Tempered Low-E Insulated Glass, Add	*335.72*	
08 52 13 00-0264	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,135.35	113.14
		For Tempered Low-E Insulated Glass, Add	*381.81*	
08 52 13 00-0265		48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0266	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,026.51	109.56
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0267	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,275.61	118.87
		For Tempered Low-E Insulated Glass, Add	*407.57*	
08 52 13 00-0268		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0269	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,120.38	112.43
		For Tempered Low-E Insulated Glass, Add	*379.11*	
08 52 13 00-0270	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,369.49	121.74
		For Tempered Low-E Insulated Glass, Add	*425.20*	
08 52 13 00-0271		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0272	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,256.94	117.44
		For Tempered Low-E Insulated Glass, Add	*404.41*	
08 52 13 00-0273	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,508.32	127.47
		For Tempered Low-E Insulated Glass, Add	*450.96*	
08 52 13 00-0274		Awning Metal Clad Windows *(08 52 13)*		
08 52 13 00-0275		Awning Metal Clad Windows *(08 52 13 00-0274)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276		Venting, Awning Metal Clad Windows *(08 52 13 00-0275)*		
08 52 13 00-0277		17" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*		
08 52 13 00-0278	EA	24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	589.47	58.72
		For Tempered Low-E Insulated Glass, Add	*94.41*	
08 52 13 00-0279	EA	28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	631.33	61.59
		For Tempered Low-E Insulated Glass, Add	*101.63*	
08 52 13 00-0280	EA	31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	665.69	63.73
		For Tempered Low-E Insulated Glass, Add	*107.64*	
08 52 13 00-0281	EA	35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	709.14	66.60
		For Tempered Low-E Insulated Glass, Add	*115.19*	
08 52 13 00-0282	EA	40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	759.25	70.18
		For Tempered Low-E Insulated Glass, Add	*123.78*	
08 52 13 00-0283	EA	48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	836.22	75.90
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0284	EA	52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	884.90	78.77
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0285	EA	59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	955.94	84.50
		For Tempered Low-E Insulated Glass, Add	*157.67*	
08 52 13 00-0286	EA	64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	982.43	87.36
		For Tempered Low-E Insulated Glass, Add	*161.54*	
08 52 13 00-0287	EA	71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.71	92.37
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0288		20-1/2" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*		
08 52 13 00-0289	EA	24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	621.99	61.59
		For Tempered Low-E Insulated Glass, Add	*100.05*	
08 52 13 00-0290	EA	28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	667.29	64.45
		For Tempered Low-E Insulated Glass, Add	*107.96*	
08 52 13 00-0291	EA	31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	696.80	65.88
		For Tempered Low-E Insulated Glass, Add	*113.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0292	EA	35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	745.08	68.74
		For Tempered Low-E Insulated Glass, Add	*121.52*	
08 52 13 00-0293	EA	40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	795.18	73.04
		For Tempered Low-E Insulated Glass, Add	*130.11*	
08 52 13 00-0294	EA	48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	869.90	78.06
		For Tempered Low-E Insulated Glass, Add	*142.76*	
08 52 13 00-0295	EA	52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.57	81.64
		For Tempered Low-E Insulated Glass, Add	*151.35*	
08 52 13 00-0296	EA	59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	991.86	85.93
		For Tempered Low-E Insulated Glass, Add	*164.00*	
08 52 13 00-0297	EA	64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,015.74	90.23
		For Tempered Low-E Insulated Glass, Add	*167.34*	
08 52 13 00-0298	EA	71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,088.24	94.52
		For Tempered Low-E Insulated Glass, Add	*179.84*	
08 52 13 00-0299	EA	84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,680.72	104.55
		For Tempered Low-E Insulated Glass, Add	*294.61*	

08 52 13 00-0300 24-1/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0301	EA	24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	662.76	64.45
		For Tempered Low-E Insulated Glass, Add	*107.06*	
08 52 13 00-0302	EA	28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	704.64	67.31
		For Tempered Low-E Insulated Glass, Add	*114.29*	
08 52 13 00-0303	EA	31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	875.96	68.74
		For Tempered Low-E Insulated Glass, Add	*147.69*	
08 52 13 00-0304	EA	35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	936.12	71.61
		For Tempered Low-E Insulated Glass, Add	*158.58*	
08 52 13 00-0305	EA	40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	832.54	75.90
		For Tempered Low-E Insulated Glass, Add	*136.43*	
08 52 13 00-0306	EA	48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	909.53	80.92
		For Tempered Low-E Insulated Glass, Add	*149.54*	
08 52 13 00-0307	EA	52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	958.19	84.50
		For Tempered Low-E Insulated Glass, Add	*158.12*	
08 52 13 00-0308	EA	59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,031.50	88.80
		For Tempered Low-E Insulated Glass, Add	*170.78*	
08 52 13 00-0309	EA	64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.71	93.09
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0310	EA	71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,122.88	97.38
		For Tempered Low-E Insulated Glass, Add	*185.62*	
08 52 13 00-0311	EA	84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,768.86	107.41
		For Tempered Low-E Insulated Glass, Add	*311.09*	

08 52 13 00-0312 28-3/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0313	EA	24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	661.70	67.31
		For Tempered Low-E Insulated Glass, Add	*105.70*	
08 52 13 00-0314	EA	28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	866.84	70.18
		For Tempered Low-E Insulated Glass, Add	*145.58*	
08 52 13 00-0315	EA	31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.63	71.61
		For Tempered Low-E Insulated Glass, Add	*154.88*	
08 52 13 00-0316	EA	35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	844.68	74.47
		For Tempered Low-E Insulated Glass, Add	*139.15*	
08 52 13 00-0317	EA	40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	921.88	78.77
		For Tempered Low-E Insulated Glass, Add	*153.15*	
08 52 13 00-0318	EA	48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,035.02	83.78
		For Tempered Low-E Insulated Glass, Add	*173.49*	
08 52 13 00-0319	EA	52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,108.54	87.36
		For Tempered Low-E Insulated Glass, Add	*187.05*	
08 52 13 00-0320	EA	59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,220.27	91.66
		For Tempered Low-E Insulated Glass, Add	*207.39*	
08 52 13 00-0321	EA	64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,261.45	95.95
		For Tempered Low-E Insulated Glass, Add	*214.19*	
08 52 13 00-0322	EA	71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,369.63	100.26
		For Tempered Low-E Insulated Glass, Add	*233.83*	
08 52 13 00-0323	EA	84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,816.91	110.28
		For Tempered Low-E Insulated Glass, Add	*319.56*	

08 52 13 00-0324 31-1/2" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0325	EA	28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	767.66	71.61
		For Tempered Low-E Insulated Glass, Add	*124.89*	
08 52 13 00-0326	EA	31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	812.21	73.75
		For Tempered Low-E Insulated Glass, Add	*132.94*	
08 52 13 00-0327	EA	35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	873.51	76.62
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0328	EA	40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	941.99	80.21
		For Tempered Low-E Insulated Glass, Add	*156.32*	
08 52 13 00-0329	EA	48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,041.62	85.93
		For Tempered Low-E Insulated Glass, Add	*173.95*	
08 52 13 00-0330	EA	52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,110.58	88.80
		For Tempered Low-E Insulated Glass, Add	*186.60*	
08 52 13 00-0331	EA	59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,208.75	94.52
		For Tempered Low-E Insulated Glass, Add	*204.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0332	EA	64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,277.26	97.38
		For Tempered Low-E Insulated Glass, Add	*216.50*	
08 52 13 00-0333	EA	71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,377.34	102.40
		For Tempered Low-E Insulated Glass, Add	*234.51*	
08 52 13 00-0334	EA	84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,937.75	111.71
		For Tempered Low-E Insulated Glass, Add	*342.87*	
08 52 13 00-0335		**35-15/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0336	EA	31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	873.51	76.62
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0337	EA	35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.90	79.49
		For Tempered Low-E Insulated Glass, Add	*160.39*	
08 52 13 00-0338	EA	40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,038.12	83.07
		For Tempered Low-E Insulated Glass, Add	*174.40*	
08 52 13 00-0339	EA	48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,151.25	88.80
		For Tempered Low-E Insulated Glass, Add	*194.73*	
08 52 13 00-0340	EA	52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,227.02	91.66
		For Tempered Low-E Insulated Glass, Add	*208.74*	
08 52 13 00-0341	EA	59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,336.48	97.38
		For Tempered Low-E Insulated Glass, Add	*228.63*	
08 52 13 00-0342	EA	64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,166.61	100.26
		For Tempered Low-E Insulated Glass, Add	*193.22*	
08 52 13 00-0343	EA	71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,252.50	105.27
		For Tempered Low-E Insulated Glass, Add	*208.39*	
08 52 13 00-0344		**40-3/4" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0345	EA	35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,017.39	83.07
		For Tempered Low-E Insulated Glass, Add	*171.68*	
08 52 13 00-0346	EA	40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,158.03	88.80
		For Tempered Low-E Insulated Glass, Add	*196.09*	
08 52 13 00-0347		**48" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0348	EA	35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,219.04	88.80
		For Tempered Low-E Insulated Glass, Add	*208.29*	
08 52 13 00-0349	EA	40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,350.48	93.09
		For Tempered Low-E Insulated Glass, Add	*233.15*	
08 52 13 00-0350	EA	48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,542.72	98.10
		For Tempered Low-E Insulated Glass, Add	*269.30*	
08 52 13 00-0351		**59-13/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0352	EA	35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,510.00	96.67
		For Tempered Low-E Insulated Glass, Add	*263.33*	
08 52 13 00-0353	EA	40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.08	100.26
		For Tempered Low-E Insulated Glass, Add	*284.92*	
08 52 13 00-0354		**71-7/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0355	EA	24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,651.72	97.38
		For Tempered Low-E Insulated Glass, Add	*291.39*	
08 52 13 00-0356	EA	35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,708.68	105.27
		For Tempered Low-E Insulated Glass, Add	*299.63*	
08 52 13 00-0357	EA	40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,891.41	108.85
		For Tempered Low-E Insulated Glass, Add	*334.74*	
08 52 13 00-0358	EA	48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,077.99	114.57
		For Tempered Low-E Insulated Glass, Add	*369.77*	
08 52 13 00-0359		**Stationary, Awning Metal Clad Windows** *(08 52 13 00-0275)*		
08 52 13 00-0360		**17" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0361	EA	24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	519.39	58.72
		For Tempered Low-E Insulated Glass, Add	*80.39*	
08 52 13 00-0362	EA	28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	559.03	61.59
		For Tempered Low-E Insulated Glass, Add	*87.17*	
08 52 13 00-0363	EA	31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.17	63.73
		For Tempered Low-E Insulated Glass, Add	*91.54*	
08 52 13 00-0364	EA	35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	627.81	66.60
		For Tempered Low-E Insulated Glass, Add	*98.92*	
08 52 13 00-0365	EA	40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	673.39	70.18
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 13 00-0366	EA	48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	743.58	75.90
		For Tempered Low-E Insulated Glass, Add	*118.35*	
08 52 13 00-0367	EA	52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	785.47	78.77
		For Tempered Low-E Insulated Glass, Add	*125.59*	
08 52 13 00-0368	EA	59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.98	84.50
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0369	EA	64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	897.56	87.36
		For Tempered Low-E Insulated Glass, Add	*144.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0370	EA	71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	964.09	92.37
		For Tempered Low-E Insulated Glass, Add	*155.87*	

08 52 13 00-0371 20-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0372	EA	24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	550.82	61.59
		For Tempered Low-E Insulated Glass, Add	*85.82*	
08 52 13 00-0373	EA	28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	590.43	64.45
		For Tempered Low-E Insulated Glass, Add	*92.59*	
08 52 13 00-0374	EA	31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	614.40	65.88
		For Tempered Low-E Insulated Glass, Add	*96.53*	
08 52 13 00-0375	EA	35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	661.47	68.74
		For Tempered Low-E Insulated Glass, Add	*104.80*	
08 52 13 00-0376	EA	40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	707.04	73.04
		For Tempered Low-E Insulated Glass, Add	*112.48*	
08 52 13 00-0377	EA	48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	775.01	78.06
		For Tempered Low-E Insulated Glass, Add	*123.78*	
08 52 13 00-0378	EA	52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	819.14	81.64
		For Tempered Low-E Insulated Glass, Add	*131.46*	
08 52 13 00-0379	EA	59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.40	85.93
		For Tempered Low-E Insulated Glass, Add	*142.31*	
08 52 13 00-0380	EA	64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	931.23	90.23
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 13 00-0381	EA	71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	995.49	94.52
		For Tempered Low-E Insulated Glass, Add	*161.29*	

08 52 13 00-0382 24-1/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0383	EA	24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.93	64.45
		For Tempered Low-E Insulated Glass, Add	*91.69*	
08 52 13 00-0384	EA	28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	625.53	67.31
		For Tempered Low-E Insulated Glass, Add	*98.47*	
08 52 13 00-0385	EA	31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	646.94	68.74
		For Tempered Low-E Insulated Glass, Add	*101.89*	
08 52 13 00-0386	EA	35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	694.32	71.61
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0387	EA	40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	739.90	75.90
		For Tempered Low-E Insulated Glass, Add	*117.90*	
08 52 13 00-0388	EA	48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	807.83	80.92
		For Tempered Low-E Insulated Glass, Add	*129.20*	
08 52 13 00-0389	EA	52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.98	84.50
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0390	EA	59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.51	88.80
		For Tempered Low-E Insulated Glass, Add	*148.18*	
08 52 13 00-0391	EA	64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	964.09	93.09
		For Tempered Low-E Insulated Glass, Add	*155.87*	
08 52 13 00-0392	EA	71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,030.60	97.38
		For Tempered Low-E Insulated Glass, Add	*167.16*	

08 52 13 00-0393 28-3/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0394	EA	24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	589.40	67.31
		For Tempered Low-E Insulated Glass, Add	*91.24*	
08 52 13 00-0395	EA	28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	642.58	70.18
		For Tempered Low-E Insulated Glass, Add	*100.73*	
08 52 13 00-0396	EA	31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.84	71.61
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0397	EA	35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	700.05	74.47
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0398	EA	40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	799.86	78.77
		For Tempered Low-E Insulated Glass, Add	*128.75*	
08 52 13 00-0399	EA	48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	890.40	83.78
		For Tempered Low-E Insulated Glass, Add	*144.57*	
08 52 13 00-0400	EA	52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	950.38	87.36
		For Tempered Low-E Insulated Glass, Add	*155.42*	
08 52 13 00-0401	EA	59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,039.48	91.66
		For Tempered Low-E Insulated Glass, Add	*171.23*	
08 52 13 00-0402	EA	64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,103.13	95.95
		For Tempered Low-E Insulated Glass, Add	*182.53*	
08 52 13 00-0403	EA	71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,192.25	100.26
		For Tempered Low-E Insulated Glass, Add	*198.35*	

08 52 13 00-0404 31-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0405	EA	28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.84	71.61
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0406	EA	31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	708.73	73.75
		For Tempered Low-E Insulated Glass, Add	*112.24*	
08 52 13 00-0407	EA	35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.52	76.62
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0408	EA	40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	815.52	80.21
		For Tempered Low-E Insulated Glass, Add	*131.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0409	EA	48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	897.87	85.93
		For Tempered Low-E Insulated Glass, Add	*145.20*	
08 52 13 00-0410	EA	52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	953.44	88.80
		For Tempered Low-E Insulated Glass, Add	*155.17*	
08 52 13 00-0411	EA	59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,034.36	94.52
		For Tempered Low-E Insulated Glass, Add	*169.35*	
08 52 13 00-0412	EA	64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,089.44	97.38
		For Tempered Low-E Insulated Glass, Add	*178.93*	
08 52 13 00-0413	EA	71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,170.38	102.40
		For Tempered Low-E Insulated Glass, Add	*193.12*	
08 52 13 00-0414		**35-15/16" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0415	EA	31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.52	76.62
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0416	EA	35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	832.10	79.49
		For Tempered Low-E Insulated Glass, Add	*134.63*	
08 52 13 00-0417	EA	40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	893.50	83.07
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0418	EA	48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	986.31	88.80
		For Tempered Low-E Insulated Glass, Add	*161.74*	
08 52 13 00-0419	EA	52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,046.27	91.66
		For Tempered Low-E Insulated Glass, Add	*172.59*	
08 52 13 00-0420	EA	59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,135.38	97.38
		For Tempered Low-E Insulated Glass, Add	*188.41*	
08 52 13 00-0421	EA	64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,196.75	100.26
		For Tempered Low-E Insulated Glass, Add	*199.25*	
08 52 13 00-0422	EA	71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,285.90	105.27
		For Tempered Low-E Insulated Glass, Add	*215.07*	
08 52 13 00-0423		**Horizontal Sliding Metal Clad Windows** *(08 52 13)*		
08 52 13 00-0424		**One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0425		**17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0426	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	730.47	75.90
		For Tempered Low-E Insulated Glass, Add	*116.02*	
08 52 13 00-0427		**23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0428	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.67	70.18
		For Tempered Low-E Insulated Glass, Add	*105.98*	
08 52 13 00-0429	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	786.45	80.21
		For Tempered Low-E Insulated Glass, Add	*125.50*	
08 52 13 00-0430		**35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0431	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	786.45	80.21
		For Tempered Low-E Insulated Glass, Add	*125.50*	
08 52 13 00-0432	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	901.27	88.80
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0433	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,016.05	96.67
		For Tempered Low-E Insulated Glass, Add	*164.54*	
08 52 13 00-0434	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.87	105.27
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0435		**41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0436	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	845.26	84.50
		For Tempered Low-E Insulated Glass, Add	*135.54*	
08 52 13 00-0437	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	957.25	93.09
		For Tempered Low-E Insulated Glass, Add	*154.50*	
08 52 13 00-0438	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,072.06	100.97
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0439	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.46	109.56
		For Tempered Low-E Insulated Glass, Add	*213.07*	
08 52 13 00-0440		**47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0441	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	901.27	88.80
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0442	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,016.05	97.38
		For Tempered Low-E Insulated Glass, Add	*164.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0443	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.87	105.27
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0444	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,245.63	113.86
		For Tempered Low-E Insulated Glass, Add	*203.58*	
08 52 13 00-0445		**53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0446	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,072.06	101.69
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0447	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,186.84	109.56
		For Tempered Low-E Insulated Glass, Add	*193.54*	
08 52 13 00-0448	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,301.65	118.15
		For Tempered Low-E Insulated Glass, Add	*213.07*	
08 52 13 00-0449		**59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0424)*		
08 52 13 00-0450	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.87	105.98
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0451	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,245.63	113.86
		For Tempered Low-E Insulated Glass, Add	*203.58*	
08 52 13 00-0452	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,360.65	122.46
		For Tempered Low-E Insulated Glass, Add	*223.15*	
08 52 13 00-0453		**Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0454		**22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0453)*		
08 52 13 00-0455	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,650.25	70.18
		For Tempered Low-E Insulated Glass, Add	*301.69*	
08 52 13 00-0456	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,965.86	80.21
		For Tempered Low-E Insulated Glass, Add	*361.38*	
08 52 13 00-0457		**35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0453)*		
08 52 13 00-0458	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,990.96	80.21
		For Tempered Low-E Insulated Glass, Add	*366.40*	
08 52 13 00-0459	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,309.35	88.80
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0460	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.93	96.67
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0461	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,940.54	105.27
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0462		**41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0453)*		
08 52 13 00-0463	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,150.15	84.50
		For Tempered Low-E Insulated Glass, Add	*396.52*	
08 52 13 00-0464	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,465.74	93.09
		For Tempered Low-E Insulated Glass, Add	*456.20*	
08 52 13 00-0465	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,784.14	100.97
		For Tempered Low-E Insulated Glass, Add	*516.44*	
08 52 13 00-0466	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,099.71	109.56
		For Tempered Low-E Insulated Glass, Add	*576.12*	
08 52 13 00-0467		**47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0453)*		
08 52 13 00-0468	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,309.35	88.80
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0469	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.93	97.38
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0470	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,940.54	105.27
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0471	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,258.88	113.86
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0472		**59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows** *(08 52 13 00-0453)*		
08 52 13 00-0473	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.93	97.38
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0474	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,940.54	105.98
		For Tempered Low-E Insulated Glass, Add	*546.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0475	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,258.88	113.86
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0476	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,574.49	122.46
		For Tempered Low-E Insulated Glass, Add	*665.92*	

08 52 13 00-0477 Picture Metal Clad Windows *(08 52 13)*

08 52 13 00-0478 Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0477)*

08 52 13 00-0479 Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0478)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0480 12" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0481	EA	40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	574.75	57.29
		For Tempered Low-E Insulated Glass, Add	*92.04*	
08 52 13 00-0482	EA	48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	673.39	63.02
		For Tempered Low-E Insulated Glass, Add	*109.47*	
08 52 13 00-0483	EA	52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	715.62	65.88
		For Tempered Low-E Insulated Glass, Add	*116.77*	
08 52 13 00-0484	EA	59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	776.33	71.61
		For Tempered Low-E Insulated Glass, Add	*126.91*	
08 52 13 00-0485	EA	64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	817.94	74.47
		For Tempered Low-E Insulated Glass, Add	*133.80*	
08 52 13 00-0486	EA	71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.65	80.21
		For Tempered Low-E Insulated Glass, Add	*143.94*	

08 52 13 00-0487 35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0488	EA	35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	636.83	70.18
		For Tempered Low-E Insulated Glass, Add	*99.30*	
08 52 13 00-0489	EA	40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	737.80	74.47
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0490	EA	48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	886.53	79.49
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0491	EA	52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	983.77	82.35
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0492	EA	59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,128.80	87.36
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0493	EA	64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.75	90.94
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0494	EA	71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,832.37	95.95
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0496	EA	35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	737.80	74.47
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0497	EA	40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	838.76	77.34
		For Tempered Low-E Insulated Glass, Add	*136.82*	
08 52 13 00-0498	EA	48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	987.49	83.07
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0499	EA	52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,084.73	85.93
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0500	EA	59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.75	91.66
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0501	EA	64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.71	94.52
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0502	EA	71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.73	100.26
		For Tempered Low-E Insulated Glass, Add	*255.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0503		**48" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0504	EA	35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	886.53	80.21
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0505	EA	40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	987.49	83.07
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0506	EA	48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,136.22	88.80
		For Tempered Low-E Insulated Glass, Add	*191.73*	
08 52 13 00-0507	EA	52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,233.47	91.66
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0508	EA	59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,378.49	97.38
		For Tempered Low-E Insulated Glass, Add	*237.03*	
08 52 13 00-0509	EA	64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,479.44	100.26
		For Tempered Low-E Insulated Glass, Add	*255.79*	
08 52 13 00-0510	EA	71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,624.48	105.98
		For Tempered Low-E Insulated Glass, Add	*282.79*	
08 52 13 00-0511		**52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0512	EA	35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	983.77	83.07
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0513	EA	40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,084.73	85.93
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0514	EA	48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,233.47	91.66
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0515	EA	52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.71	94.52
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0516	EA	59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.73	100.26
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0517	EA	64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,576.69	103.12
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0518	EA	71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,856.71	108.85
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0519		**59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0520	EA	35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,128.80	87.36
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0521	EA	40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.75	91.66
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0522	EA	48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,378.49	96.67
		For Tempered Low-E Insulated Glass, Add	*237.03*	
08 52 13 00-0523	EA	52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.73	99.54
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0524	EA	59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,620.76	104.55
		For Tempered Low-E Insulated Glass, Add	*282.33*	
08 52 13 00-0525	EA	64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.72	108.13
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0526	EA	71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,866.73	113.14
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0527		**64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0528	EA	35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.75	91.66
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0529	EA	40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.71	94.52
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0530	EA	48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,479.44	100.26
		For Tempered Low-E Insulated Glass, Add	*255.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0531	EA	52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,576.69	103.12
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0532	EA	59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,856.71	108.85
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0533 71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0534	EA	35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,374.78	95.95
		For Tempered Low-E Insulated Glass, Add	*236.57*	
08 52 13 00-0535	EA	40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.73	100.26
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0536	EA	48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,624.48	105.27
		For Tempered Low-E Insulated Glass, Add	*282.79*	
08 52 13 00-0537	EA	52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.72	108.13
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0538	EA	59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,866.73	113.14
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0539 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0477)*

08 52 13 00-0540 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0539)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0541 48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0542	EA	12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	918.01	67.31
		For Tempered Low-E Insulated Glass, Add	*156.68*	
08 52 13 00-0543	EA	37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,284.18	85.93
		For Tempered Low-E Insulated Glass, Add	*222.75*	
08 52 13 00-0544	EA	41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,339.97	88.08
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0545	EA	47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,423.65	92.37
		For Tempered Low-E Insulated Glass, Add	*247.78*	
08 52 13 00-0546	EA	51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,479.44	95.95
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0547	EA	59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,593.51	100.97
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0548	EA	67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.57	107.41
		For Tempered Low-E Insulated Glass, Add	*298.83*	

08 52 13 00-0549 52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0550	EA	12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	976.28	70.18
		For Tempered Low-E Insulated Glass, Add	*167.19*	
08 52 13 00-0551	EA	37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,339.97	88.80
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0552	EA	41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,398.23	90.94
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0553	EA	47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,479.44	95.24
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0554	EA	51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,537.71	98.82
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0555	EA	59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.77	103.84
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0556	EA	67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.86	110.28
		For Tempered Low-E Insulated Glass, Add	*309.35*	

08 52 13 00-0557 56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0558	EA	12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,032.08	73.04
		For Tempered Low-E Insulated Glass, Add	*177.20*	
08 52 13 00-0559	EA	37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,398.23	91.66
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0560	EA	41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,454.04	93.81
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0561	EA	47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,537.71	98.10
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0562	EA	51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,593.51	101.69
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0563	EA	59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.57	106.70
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0564	EA	67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,824.13	113.14
		For Tempered Low-E Insulated Glass, Add	*319.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0565		**60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0566	EA	12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,090.37	75.90
		For Tempered Low-E Insulated Glass, Add	*187.71*	
08 52 13 00-0567	EA	37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,454.04	94.52
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0568	EA	41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,512.34	96.67
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0569	EA	47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,593.51	100.97
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0570	EA	51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.77	104.55
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0571	EA	59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.86	109.56
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0572	EA	67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.93	116.00
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0573		**64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0574	EA	12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,146.14	78.77
		For Tempered Low-E Insulated Glass, Add	*197.72*	
08 52 13 00-0575	EA	37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,512.34	97.38
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0576	EA	41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,570.60	99.54
		For Tempered Low-E Insulated Glass, Add	*274.31*	
08 52 13 00-0577	EA	47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.77	103.84
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0578	EA	51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.57	107.41
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0579	EA	59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,824.13	112.43
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0580	EA	67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,938.23	118.87
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0581		**68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0582	EA	12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,204.43	81.64
		For Tempered Low-E Insulated Glass, Add	*208.23*	
08 52 13 00-0583	EA	37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,570.60	100.26
		For Tempered Low-E Insulated Glass, Add	*274.31*	
08 52 13 00-0584	EA	41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,626.39	102.40
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0585	EA	47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.57	106.70
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0586	EA	51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.86	110.28
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0587	EA	59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.93	115.29
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0588	EA	67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,994.02	121.74
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0589		**72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0590	EA	12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,260.23	84.50
		For Tempered Low-E Insulated Glass, Add	*218.25*	
08 52 13 00-0591	EA	37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,626.39	103.12
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0592	EA	41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,684.70	105.27
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0593	EA	47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.86	109.56
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0594	EA	51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,824.13	113.14
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0595	EA	59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,938.23	118.15
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0596	EA	67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	2,052.29	124.60
		For Tempered Low-E Insulated Glass, Add	*360.90*	
08 52 13 00-0597		**76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0598	EA	12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,318.51	87.36
		For Tempered Low-E Insulated Glass, Add	*228.76*	
08 52 13 00-0599	EA	37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,684.70	105.98
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0600	EA	41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,740.46	108.13
		For Tempered Low-E Insulated Glass, Add	*304.84*	
08 52 13 00-0601	EA	47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,824.13	112.43
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0602	EA	51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.93	116.00
		For Tempered Low-E Insulated Glass, Add	*329.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0603	EA	59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,994.02	121.01
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0604	EA	67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	2,108.09	127.47
		For Tempered Low-E Insulated Glass, Add	*370.92*	
08 52 13 00-0605		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0477)*		
08 52 13 00-0606		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0605)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607		35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0608	EA	56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	817.22	89.51
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	
08 52 13 00-0609	EA	59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	839.06	91.66
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0610		47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0611	EA	47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	839.06	91.66
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0612	EA	71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.58	108.85
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0613		53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0614	EA	56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	953.15	102.40
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0615	EA	59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	974.96	104.55
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0616		56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0617	EA	35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	817.22	90.23
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	
08 52 13 00-0618	EA	53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	953.15	102.40
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0619		59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0620	EA	35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	839.06	91.66
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0621	EA	53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	974.96	104.55
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0622	EA	59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.58	108.85
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0623	EA	65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,064.71	113.14
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0624		65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0625	EA	59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,064.71	113.14
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0626		71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0627	EA	47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.58	108.85
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0628		**Basement Metal Clad Windows** *(08 52 13)*		
08 52 13 00-0629		**Basement Metal Clad Windows** *(08 52 13 00-0628)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630	EA	32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	430.63	57.29
		For Tempered Low-E Insulated Glass, Add	*63.21*	
08 52 13 00-0631	EA	32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	454.38	57.29
		For Tempered Low-E Insulated Glass, Add	*67.96*	
08 52 13 00-0632	EA	32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	475.27	57.29
		For Tempered Low-E Insulated Glass, Add	*72.14*	
08 52 13 00-0633		**Accessories For Metal Clad Windows** *(08 52 13)*		
08 52 13 00-0634		**Insect Screens For Metal Clad Windows** *(08 52 13 00-0633)*		
08 52 13 00-0635	EA	Up To 6 SF, Insect Screen For Metal Clad Wood Windows	70.91	9.61
08 52 13 00-0636	EA	>6 To 9 SF, Insect Screen For Metal Clad Wood Windows	85.68	9.61
08 52 13 00-0637	EA	>9 To 12 SF, Insect Screen For Metal Clad Wood Windows	93.08	9.61
08 52 13 00-0638	EA	>12 To 15 SF, Insect Screen For Metal Clad Wood Windows	107.86	9.61
08 52 13 00-0639	EA	>15 To 20 SF, Insect Screen For Metal Clad Wood Windows	137.41	9.61
08 52 13 00-0640	EA	>20 To 25 SF, Insect Screen For Metal Clad Wood Windows	152.18	9.61
08 52 13 00-0641	EA	>25 To 30 SF, Insect Screen For Metal Clad Wood Windows	166.93	9.61
08 52 13 00-0642	EA	>30 To 35 SF, Insect Screen For Metal Clad Wood Windows	181.70	9.61
08 52 13 00-0643	SF	>35 SF, Insect Screen For Metal Clad Wood Windows	5.55	0.19
08 52 13 00-0644		**Factory Installed Grilles For Metal Clad Windows** *(08 52 13 00-0633)*		
08 52 13 00-0645		**Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows** *(08 52 13 00-0644)*		
08 52 13 00-0646	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82	
08 52 13 00-0647	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08	
08 52 13 00-0648	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10	
08 52 13 00-0649	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13	
08 52 13 00-0650	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18	
08 52 13 00-0651		**Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows** *(08 52 13 00-0644)*		
08 52 13 00-0652	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82	
08 52 13 00-0653	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08	
08 52 13 00-0654	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10	
08 52 13 00-0655	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13	
08 52 13 00-0656	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18	
08 52 13 00-0657		**Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows** *(08 52 13 00-0644)*		
08 52 13 00-0658	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	102.66	
08 52 13 00-0659	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	151.29	
08 52 13 00-0660	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	205.32	
08 52 13 00-0661	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	259.36	
08 52 13 00-0662	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	367.42	
08 52 13 00-0663		**Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows** *(08 52 13 00-0644)*		
08 52 13 00-0664	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	123.21	
08 52 13 00-0665	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	181.54	
08 52 13 00-0666	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	246.38	
08 52 13 00-0667	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	311.22	
08 52 13 00-0668	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	440.90	

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16			**Plastic-Clad Wood Windows** *(08 52)*		
08 52 16 00-0001			Single Hung Wood Clad Windows *(08 52 16)* Note: Single Hung windows feature a movable bottom sash and stationary top sash.		
08 52 16 00-0002			Single Hung Wood Clad Windows *(08 52 16 00-0001)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0004		EA	23-1/2" x 35-1/2" Single Hung Wood Clad Window	423.82	65.88
			For Tempered Low-E Insulated Glass, Add	*58.41*	
			For Low-E Insulated Glass, Add	*35.05*	
			For Tempered Clear Insulated Glass, Add	*58.41*	
08 52 16 00-0005		EA	27-1/2" x 35-1/2" Single Hung Wood Clad Window	448.49	68.74
			For Tempered Low-E Insulated Glass, Add	*62.20*	
			For Low-E Insulated Glass, Add	*37.32*	
			For Tempered Clear Insulated Glass, Add	*62.20*	
08 52 16 00-0006		EA	31-1/2" x 35-1/2" Single Hung Wood Clad Window	471.59	71.61
			For Tempered Low-E Insulated Glass, Add	*65.67*	
			For Low-E Insulated Glass, Add	*39.40*	
			For Tempered Clear Insulated Glass, Add	*65.67*	
08 52 16 00-0007		EA	35-1/2" x 35-1/2" Single Hung Wood Clad Window	494.69	74.47
			For Tempered Low-E Insulated Glass, Add	*69.15*	
			For Low-E Insulated Glass, Add	*41.49*	
			For Tempered Clear Insulated Glass, Add	*69.15*	
08 52 16 00-0008			41-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0009		EA	23-1/2" x 41-1/2" Single Hung Wood Clad Window	459.25	70.18
			For Tempered Low-E Insulated Glass, Add	*63.78*	
			For Low-E Insulated Glass, Add	*38.27*	
			For Tempered Clear Insulated Glass, Add	*63.78*	
08 52 16 00-0010		EA	27-1/2" x 41-1/2" Single Hung Wood Clad Window	483.93	73.04
			For Tempered Low-E Insulated Glass, Add	*67.57*	
			For Low-E Insulated Glass, Add	*40.54*	
			For Tempered Clear Insulated Glass, Add	*67.57*	
08 52 16 00-0011		EA	31-1/2" x 41-1/2" Single Hung Wood Clad Window	507.02	75.90
			For Tempered Low-E Insulated Glass, Add	*71.04*	
			For Low-E Insulated Glass, Add	*42.63*	
			For Tempered Clear Insulated Glass, Add	*71.04*	
08 52 16 00-0012		EA	35-1/2" x 41-1/2" Single Hung Wood Clad Window	530.11	78.77
			For Tempered Low-E Insulated Glass, Add	*74.51*	
			For Low-E Insulated Glass, Add	*44.71*	
			For Tempered Clear Insulated Glass, Add	*74.51*	
08 52 16 00-0013			47-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0014		EA	23-1/2" x 47-1/2" Single Hung Wood Clad Window	494.69	74.47
			For Tempered Low-E Insulated Glass, Add	*69.15*	
			For Low-E Insulated Glass, Add	*41.49*	
			For Tempered Clear Insulated Glass, Add	*69.15*	
08 52 16 00-0015		EA	27-1/2" x 47-1/2" Single Hung Wood Clad Window	517.78	77.34
			For Tempered Low-E Insulated Glass, Add	*72.62*	
			For Low-E Insulated Glass, Add	*43.57*	
			For Tempered Clear Insulated Glass, Add	*72.62*	
08 52 16 00-0016		EA	31-1/2" x 47-1/2" Single Hung Wood Clad Window	542.45	80.21
			For Tempered Low-E Insulated Glass, Add	*76.41*	
			For Low-E Insulated Glass, Add	*45.85*	
			For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0017		EA	35-1/2" x 47-1/2" Single Hung Wood Clad Window	565.55	83.07
			For Tempered Low-E Insulated Glass, Add	*79.88*	
			For Low-E Insulated Glass, Add	*47.93*	
			For Tempered Clear Insulated Glass, Add	*79.88*	
08 52 16 00-0018			53-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0019		EA	23-1/2" x 53-1/2" Single Hung Wood Clad Window	530.11	78.77
			For Tempered Low-E Insulated Glass, Add	*74.51*	
			For Low-E Insulated Glass, Add	*44.71*	
			For Tempered Clear Insulated Glass, Add	*74.51*	
08 52 16 00-0020		EA	27-1/2" x 53-1/2" Single Hung Wood Clad Window	553.20	81.64
			For Tempered Low-E Insulated Glass, Add	*77.99*	
			For Low-E Insulated Glass, Add	*46.79*	
			For Tempered Clear Insulated Glass, Add	*77.99*	
08 52 16 00-0021		EA	31-1/2" x 53-1/2" Single Hung Wood Clad Window	576.31	84.50
			For Tempered Low-E Insulated Glass, Add	*81.46*	
			For Low-E Insulated Glass, Add	*48.88*	
			For Tempered Clear Insulated Glass, Add	*81.46*	
08 52 16 00-0022		EA	35-1/2" x 53-1/2" Single Hung Wood Clad Window	600.98	87.36
			For Tempered Low-E Insulated Glass, Add	*85.25*	
			For Low-E Insulated Glass, Add	*51.15*	
			For Tempered Clear Insulated Glass, Add	*85.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0023		**56-1/2" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0002)*		
08 52 16 00-0024	EA	19-1/2" x 56-1/2" Single Hung Wood Clad Window	523.95	78.77
		For Tempered Low-E Insulated Glass, Add	*73.57*	
		For Low-E Insulated Glass, Add	*44.14*	
		For Tempered Clear Insulated Glass, Add	*73.57*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Single Hung Wood Clad Window	547.03	80.92
		For Tempered Low-E Insulated Glass, Add	*77.04*	
		For Low-E Insulated Glass, Add	*46.22*	
		For Tempered Clear Insulated Glass, Add	*77.04*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Single Hung Wood Clad Window	571.72	84.50
		For Tempered Low-E Insulated Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*48.50*	
		For Tempered Clear Insulated Glass, Add	*80.83*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Single Hung Wood Clad Window	594.81	87.36
		For Tempered Low-E Insulated Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*50.58*	
		For Tempered Clear Insulated Glass, Add	*84.30*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Single Hung Wood Clad Window	617.90	90.23
		For Tempered Low-E Insulated Glass, Add	*87.78*	
		For Low-E Insulated Glass, Add	*52.67*	
		For Tempered Clear Insulated Glass, Add	*87.78*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Single Hung Wood Clad Window	641.00	93.09
		For Tempered Low-E Insulated Glass, Add	*91.25*	
		For Low-E Insulated Glass, Add	*54.75*	
		For Tempered Clear Insulated Glass, Add	*91.25*	
08 52 16 00-0030		**59-1/2" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0002)*		
08 52 16 00-0031	EA	19-1/2" x 59-1/2" Single Hung Wood Clad Window	542.45	80.21
		For Tempered Low-E Insulated Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*45.85*	
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Single Hung Wood Clad Window	565.55	83.07
		For Tempered Low-E Insulated Glass, Add	*79.88*	
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.88*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Single Hung Wood Clad Window	588.64	85.93
		For Tempered Low-E Insulated Glass, Add	*83.36*	
		For Low-E Insulated Glass, Add	*50.01*	
		For Tempered Clear Insulated Glass, Add	*83.36*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Single Hung Wood Clad Window	611.73	88.80
		For Tempered Low-E Insulated Glass, Add	*86.83*	
		For Low-E Insulated Glass, Add	*52.10*	
		For Tempered Clear Insulated Glass, Add	*86.83*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Single Hung Wood Clad Window	634.83	91.66
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Single Hung Wood Clad Window	659.50	94.52
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	
08 52 16 00-0037		**65-1/2" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0002)*		
08 52 16 00-0038	EA	23-1/2" x 65-1/2" Single Hung Wood Clad Window	600.98	87.36
		For Tempered Low-E Insulated Glass, Add	*85.25*	
		For Low-E Insulated Glass, Add	*51.15*	
		For Tempered Clear Insulated Glass, Add	*85.25*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Single Hung Wood Clad Window	624.07	90.23
		For Tempered Low-E Insulated Glass, Add	*88.72*	
		For Low-E Insulated Glass, Add	*53.23*	
		For Tempered Clear Insulated Glass, Add	*88.72*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Single Hung Wood Clad Window	647.16	93.09
		For Tempered Low-E Insulated Glass, Add	*92.20*	
		For Low-E Insulated Glass, Add	*55.32*	
		For Tempered Clear Insulated Glass, Add	*92.20*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Single Hung Wood Clad Window	670.27	95.95
		For Tempered Low-E Insulated Glass, Add	*95.67*	
		For Low-E Insulated Glass, Add	*57.40*	
		For Tempered Clear Insulated Glass, Add	*95.67*	
08 52 16 00-0042		**71-1/2" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0002)*		
08 52 16 00-0043	EA	23-1/2" x 71-1/2" Single Hung Wood Clad Window	634.83	91.66
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Single Hung Wood Clad Window	659.50	94.52
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Single Hung Wood Clad Window	682.60	97.38
		For Tempered Low-E Insulated Glass, Add	*97.56*	
		For Low-E Insulated Glass, Add	*58.54*	
		For Tempered Clear Insulated Glass, Add	*97.56*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Single Hung Wood Clad Window	705.69	100.26
		For Tempered Low-E Insulated Glass, Add	*101.04*	
		For Low-E Insulated Glass, Add	*60.62*	
		For Tempered Clear Insulated Glass, Add	*101.04*	

08 52 16 00-0047 Single Hung Wood Clad Windows *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Single Hung Wood Clad Window	517.11	65.88
		For Tempered Low-E Insulated Glass, Add	*77.36*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Single Hung Wood Clad Window	548.10	68.03
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Single Hung Wood Clad Window	580.66	70.89
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Single Hung Wood Clad Window	597.74	73.04
		For Tempered Low-E Insulated Glass, Add	*90.62*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Single Hung Wood Clad Window	613.24	74.47
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Single Hung Wood Clad Window	628.73	75.90
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Single Hung Wood Clad Window	645.80	76.62
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Single Hung Wood Clad Window	676.79	79.49
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Single Hung Wood Clad Window	709.35	82.35
		For Tempered Low-E Insulated Glass, Add	*108.93*	

08 52 16 00-0058 40-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Single Hung Wood Clad Window	548.10	68.74
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Single Hung Wood Clad Window	580.66	70.89
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Single Hung Wood Clad Window	613.24	73.75
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Single Hung Wood Clad Window	628.73	75.90
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Single Hung Wood Clad Window	645.80	77.34
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Single Hung Wood Clad Window	661.30	78.77
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Single Hung Wood Clad Window	676.79	79.49
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Single Hung Wood Clad Window	709.35	82.35
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Single Hung Wood Clad Window	741.92	85.22
		For Tempered Low-E Insulated Glass, Add	*114.30*	

08 52 16 00-0068 44-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Single Hung Wood Clad Window	580.66	71.61
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Single Hung Wood Clad Window	613.24	73.75
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Single Hung Wood Clad Window	645.80	76.62
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Single Hung Wood Clad Window	661.30	78.77
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Single Hung Wood Clad Window	676.79	80.21
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Single Hung Wood Clad Window	693.85	81.64
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Single Hung Wood Clad Window	709.35	82.35
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Single Hung Wood Clad Window	741.92	85.22
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Single Hung Wood Clad Window	774.49	88.08
		For Tempered Low-E Insulated Glass, Add	*119.67*	

08 52 16 00-0078 48-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Single Hung Wood Clad Window	613.24	74.47
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Single Hung Wood Clad Window	645.80	76.62
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Single Hung Wood Clad Window	676.79	79.49
		For Tempered Low-E Insulated Glass, Add	*103.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Single Hung Wood Clad Window	693.85	81.64
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Single Hung Wood Clad Window	709.35	83.07
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Single Hung Wood Clad Window	724.85	84.50
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Single Hung Wood Clad Window	741.92	85.22
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Single Hung Wood Clad Window	774.49	88.08
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Single Hung Wood Clad Window	805.47	90.94
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0088		**52-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0089	EA	21-5/8" x 52-7/8" Single Hung Wood Clad Window	645.80	77.34
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Single Hung Wood Clad Window	676.79	79.49
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Single Hung Wood Clad Window	709.35	82.35
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Single Hung Wood Clad Window	724.85	84.50
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Single Hung Wood Clad Window	741.92	85.93
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Single Hung Wood Clad Window	757.42	87.36
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Single Hung Wood Clad Window	774.49	88.08
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	805.47	90.94
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	838.05	93.81
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0098		**56-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	676.79	80.21
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	709.35	82.35
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	741.92	85.22
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	757.42	87.36
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	774.49	88.80
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	789.98	90.23
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	805.47	90.94
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	838.05	93.81
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	870.61	96.67
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0108		**60-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	709.35	83.07
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	741.92	85.22
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	774.49	88.08
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	789.98	90.23
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	805.47	91.66
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	822.55	93.09
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	838.05	93.81
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	870.61	96.67
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	901.59	99.54
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0118		**64-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	741.92	85.93
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	774.49	88.08
		For Tempered Low-E Insulated Glass, Add	*119.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	805.47	90.94
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	822.55	93.09
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	838.05	94.52
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	853.54	95.95
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	870.61	96.67
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	901.59	99.54
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	934.16	102.40
		For Tempered Low-E Insulated Glass, Add	*145.87*	

08 52 16 00-0128 68-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	774.49	88.80
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	805.47	90.94
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	838.05	93.81
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	853.54	95.95
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	870.61	97.38
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	886.10	98.82
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Single Hung Wood Clad Window	901.59	99.54
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Single Hung Wood Clad Window	934.16	102.40
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Single Hung Wood Clad Window	966.74	105.27
		For Tempered Low-E Insulated Glass, Add	*151.24*	

08 52 16 00-0138 72-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0139	EA	21-5/8" x 72-7/8" Single Hung Wood Clad Window	805.47	91.66
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Single Hung Wood Clad Window	838.05	93.81
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Single Hung Wood Clad Window	870.61	96.67
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Single Hung Wood Clad Window	886.10	98.82
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Single Hung Wood Clad Window	901.59	100.26
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Single Hung Wood Clad Window	918.67	101.69
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Single Hung Wood Clad Window	934.16	102.40
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Single Hung Wood Clad Window	966.74	105.27
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Single Hung Wood Clad Window	999.30	108.13
		For Tempered Low-E Insulated Glass, Add	*156.61*	

08 52 16 00-0148 76-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Single Hung Wood Clad Window	838.05	94.52
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Single Hung Wood Clad Window	870.61	96.67
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Single Hung Wood Clad Window	901.59	99.54
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Single Hung Wood Clad Window	918.67	101.69
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Single Hung Wood Clad Window	934.16	103.12
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Single Hung Wood Clad Window	951.23	104.55
		For Tempered Low-E Insulated Glass, Add	*148.71*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Single Hung Wood Clad Window	966.74	105.27
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Single Hung Wood Clad Window	999.30	108.13
		For Tempered Low-E Insulated Glass, Add	*156.61*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Single Hung Wood Clad Window	1,030.29	110.99
		For Tempered Low-E Insulated Glass, Add	*161.66*	

08 52 16 00-0158 84-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Single Hung Wood Clad Window	1,277.31	100.26
		For Tempered Low-E Insulated Glass, Add	*215.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Single Hung Wood Clad Window	1,322.50	102.40
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Single Hung Wood Clad Window	1,367.71	105.27
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Single Hung Wood Clad Window	1,389.52	107.41
		For Tempered Low-E Insulated Glass, Add	*235.22*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Single Hung Wood Clad Window	1,412.90	108.85
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Single Hung Wood Clad Window	1,434.70	110.28
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Single Hung Wood Clad Window	1,456.52	110.99
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Single Hung Wood Clad Window	1,501.71	113.86
		For Tempered Low-E Insulated Glass, Add	*254.80*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Single Hung Wood Clad Window	1,546.91	116.72
		For Tempered Low-E Insulated Glass, Add	*262.69*	

08 52 16 00-0168 88-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Single Hung Wood Clad Window	1,322.50	103.12
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Single Hung Wood Clad Window	1,367.71	105.27
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Single Hung Wood Clad Window	1,412.90	108.13
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Single Hung Wood Clad Window	1,434.70	110.28
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Single Hung Wood Clad Window	1,456.52	111.71
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	1,479.90	113.14
		For Tempered Low-E Insulated Glass, Add	*251.01*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	1,501.71	113.86
		For Tempered Low-E Insulated Glass, Add	*254.80*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	1,546.91	116.72
		For Tempered Low-E Insulated Glass, Add	*262.69*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	1,592.11	119.58
		For Tempered Low-E Insulated Glass, Add	*270.59*	

08 52 16 00-0178 Double Hung Wood Clad Windows *(08 52 16)*

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0179 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	475.36	65.88
		For Low-E Insulated Glass, Add	*41.23*	
		For Tempered Clear Insulated Glass, Add	*68.72*	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	503.38	68.74
		For Low-E Insulated Glass, Add	*43.91*	
		For Tempered Clear Insulated Glass, Add	*73.18*	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.54	71.61
		For Low-E Insulated Glass, Add	*46.36*	
		For Tempered Clear Insulated Glass, Add	*77.26*	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.70	74.47
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	

08 52 16 00-0185 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	515.52	70.18
		For Low-E Insulated Glass, Add	*45.02*	
		For Tempered Clear Insulated Glass, Add	*75.03*	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	543.55	73.04
		For Low-E Insulated Glass, Add	*47.70*	
		For Tempered Clear Insulated Glass, Add	*79.49*	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	569.70	75.90
		For Low-E Insulated Glass, Add	*50.15*	
		For Tempered Clear Insulated Glass, Add	*83.58*	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	595.86	78.77
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	

08 52 16 00-0190 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.70	74.47
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	581.86	77.34
		For Low-E Insulated Glass, Add	*51.26*	
		For Tempered Clear Insulated Glass, Add	*85.44*	
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.87	80.21
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	636.04	83.07
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	
08 52 16 00-0195		53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	595.86	78.77
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	622.01	81.64
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	648.18	84.50
		For Low-E Insulated Glass, Add	*57.50*	
		For Tempered Clear Insulated Glass, Add	*95.84*	
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	676.20	87.36
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	
08 52 16 00-0200		56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0201	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	588.86	78.77
		For Low-E Insulated Glass, Add	*51.93*	
		For Tempered Clear Insulated Glass, Add	*86.55*	
08 52 16 00-0202	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	615.01	80.92
		For Low-E Insulated Glass, Add	*54.38*	
		For Tempered Clear Insulated Glass, Add	*90.64*	
08 52 16 00-0203	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	643.04	84.50
		For Low-E Insulated Glass, Add	*57.06*	
		For Tempered Clear Insulated Glass, Add	*95.09*	
08 52 16 00-0204	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	669.20	87.36
		For Low-E Insulated Glass, Add	*59.51*	
		For Tempered Clear Insulated Glass, Add	*99.18*	
08 52 16 00-0205	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	695.35	90.23
		For Low-E Insulated Glass, Add	*61.96*	
		For Tempered Clear Insulated Glass, Add	*103.27*	
08 52 16 00-0206	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	721.51	93.09
		For Low-E Insulated Glass, Add	*64.41*	
		For Tempered Clear Insulated Glass, Add	*107.35*	
08 52 16 00-0207		59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0208	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.87	80.21
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0209	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	636.04	83.07
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	
08 52 16 00-0210	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	662.19	85.93
		For Low-E Insulated Glass, Add	*58.84*	
		For Tempered Clear Insulated Glass, Add	*98.07*	
08 52 16 00-0211	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	688.35	88.80
		For Low-E Insulated Glass, Add	*61.29*	
		For Tempered Clear Insulated Glass, Add	*102.15*	
08 52 16 00-0212	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	714.51	91.66
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0213	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	742.53	94.52
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	
08 52 16 00-0214		65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0215	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	676.20	87.36
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	
08 52 16 00-0216	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	702.35	90.23
		For Low-E Insulated Glass, Add	*62.63*	
		For Tempered Clear Insulated Glass, Add	*104.38*	
08 52 16 00-0217	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	728.51	93.09
		For Low-E Insulated Glass, Add	*65.08*	
		For Tempered Clear Insulated Glass, Add	*108.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0218	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	754.68	95.95
		For Low-E Insulated Glass, Add	*67.53*	
		For Tempered Clear Insulated Glass, Add	*112.55*	

08 52 16 00-0219 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0220	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	714.51	91.66
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0221	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	742.53	94.52
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	
08 52 16 00-0222	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	768.69	97.38
		For Low-E Insulated Glass, Add	*68.87*	
		For Tempered Clear Insulated Glass, Add	*114.78*	
08 52 16 00-0223	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	794.84	100.26
		For Low-E Insulated Glass, Add	*71.32*	
		For Tempered Clear Insulated Glass, Add	*118.87*	

08 52 16 00-0224 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0225 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0226	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	585.37	65.88
		For Tempered Low-E Insulated Glass, Add	*91.01*	
08 52 16 00-0227	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	620.82	68.03
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0228	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	658.11	70.89
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0229	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.70	73.04
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 16 00-0230	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.42	74.47
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0231	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.14	75.90
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0232	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.72	76.62
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0233	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	79.49
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0234	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	82.35
		For Tempered Low-E Insulated Glass, Add	*128.15*	

08 52 16 00-0235 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0236	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	620.82	68.74
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0237	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	658.11	70.89
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0238	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.42	73.75
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0239	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.14	75.90
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0240	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.72	77.34
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0241	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	750.45	78.77
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0242	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	79.49
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0243	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	82.35
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0244	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.22
		For Tempered Low-E Insulated Glass, Add	*134.47*	

08 52 16 00-0245 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0246	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	658.11	71.61
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0247	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.42	73.75
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0248	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.72	76.62
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0249	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	750.45	78.77
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0250	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	80.21
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0251	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	787.74	81.64
		For Tempered Low-E Insulated Glass, Add	*125.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0252	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	82.35
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0253	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.22
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0254	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.08
		For Tempered Low-E Insulated Glass, Add	*140.78*	

08 52 16 00-0255 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0256	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.42	74.47
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0257	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.72	76.62
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0258	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	79.49
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0259	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	787.74	81.64
		For Tempered Low-E Insulated Glass, Add	*125.18*	
08 52 16 00-0260	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	83.07
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0261	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	823.20	84.50
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0262	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.22
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0263	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.08
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0264	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	90.94
		For Tempered Low-E Insulated Glass, Add	*146.73*	

08 52 16 00-0265 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0266	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.72	77.34
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0267	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	79.49
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0268	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	82.35
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0269	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	823.20	84.50
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0270	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.93
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0271	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	860.50	87.36
		For Tempered Low-E Insulated Glass, Add	*137.44*	
08 52 16 00-0272	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.08
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0273	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	90.94
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0274	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	93.81
		For Tempered Low-E Insulated Glass, Add	*153.04*	

08 52 16 00-0275 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0276	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	768.16	80.21
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0277	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	82.35
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0278	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.22
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0279	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	860.50	87.36
		For Tempered Low-E Insulated Glass, Add	*137.44*	
08 52 16 00-0280	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.80
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0281	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	897.80	90.23
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0282	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	90.94
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0283	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	93.81
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0284	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	96.67
		For Tempered Low-E Insulated Glass, Add	*159.36*	

08 52 16 00-0285 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0286	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.47	83.07
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0287	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.22
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0288	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.08
		For Tempered Low-E Insulated Glass, Add	*140.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0289	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	897.80	90.23
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0290	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	91.66
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0291	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	935.10	93.09
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0292	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	93.81
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0293	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	96.67
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0294	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.57	99.54
		For Tempered Low-E Insulated Glass, Add	*165.30*	

08 52 16 00-0295 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0296	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.77	85.93
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0297	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.08
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0298	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	90.94
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0299	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	935.10	93.09
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0300	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	94.52
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0301	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	970.55	95.95
		For Tempered Low-E Insulated Glass, Add	*156.01*	
08 52 16 00-0302	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	96.67
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0303	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.57	99.54
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0304	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.87	102.40
		For Tempered Low-E Insulated Glass, Add	*171.61*	

08 52 16 00-0305 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0306	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	880.08	88.80
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0307	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	90.94
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0308	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	93.81
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0309	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	970.55	95.95
		For Tempered Low-E Insulated Glass, Add	*156.01*	
08 52 16 00-0310	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	97.38
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0311	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,007.85	98.82
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0312	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.57	99.54
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0313	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.87	102.40
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0314	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,100.19	105.27
		For Tempered Low-E Insulated Glass, Add	*177.93*	

08 52 16 00-0315 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0316	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.51	91.66
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0317	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	93.81
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0318	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	96.67
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0319	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,007.85	98.82
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0320	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.57	100.26
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0321	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,045.15	101.69
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0322	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.87	102.40
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0323	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,100.19	105.27
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0324	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,137.48	108.13
		For Tempered Low-E Insulated Glass, Add	*184.24*	

08 52 16 00-0325 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0326	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.83	94.52
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0327	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	990.13	96.67
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0328	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.57	99.54
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0329	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,045.15	101.69
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0330	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.87	103.12
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0331	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,082.45	104.55
		For Tempered Low-E Insulated Glass, Add	*174.96*	
08 52 16 00-0332	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,100.19	105.27
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0333	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,137.48	108.13
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0334	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,172.93	110.99
		For Tempered Low-E Insulated Glass, Add	*190.19*	

08 52 16 00-0335 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0336	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,467.61	100.26
		For Tempered Low-E Insulated Glass, Add	*253.71*	
08 52 16 00-0337	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,519.77	102.40
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0338	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,571.94	105.27
		For Tempered Low-E Insulated Glass, Add	*272.28*	
08 52 16 00-0339	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,597.09	107.41
		For Tempered Low-E Insulated Glass, Add	*276.74*	
08 52 16 00-0340	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,624.09	108.85
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0341	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,649.24	110.28
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0342	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,674.40	110.99
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0343	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,726.55	113.86
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0344	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,778.72	116.72
		For Tempered Low-E Insulated Glass, Add	*309.05*	

08 52 16 00-0345 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0346	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,519.77	103.12
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0347	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,571.94	105.27
		For Tempered Low-E Insulated Glass, Add	*272.28*	
08 52 16 00-0348	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,624.09	108.13
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0349	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,649.24	110.28
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0350	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,674.40	111.71
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0351	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,701.40	113.14
		For Tempered Low-E Insulated Glass, Add	*295.31*	
08 52 16 00-0352	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,726.55	113.86
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0353	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,778.72	116.72
		For Tempered Low-E Insulated Glass, Add	*309.05*	
08 52 16 00-0354	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,830.89	119.58
		For Tempered Low-E Insulated Glass, Add	*318.34*	

08 52 16 00-0355 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0356 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0355)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0357 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*

08 52 16 00-0358 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0359	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	485.83	54.42
		For Tempered Clear Insulated Glass, Add	*75.68*	
08 52 16 00-0360	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	513.60	55.86
		For Tempered Clear Insulated Glass, Add	*80.38*	
08 52 16 00-0361	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	544.77	58.72
		For Tempered Clear Insulated Glass, Add	*85.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0362	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	573.55	61.59
		For Tempered Clear Insulated Glass, Add	*90.08*	
08 52 16 00-0363		**28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0364	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	520.90	57.29
		For Tempered Clear Insulated Glass, Add	*81.55*	
08 52 16 00-0365	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	548.68	58.72
		For Tempered Clear Insulated Glass, Add	*86.25*	
08 52 16 00-0366	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	579.84	61.59
		For Tempered Clear Insulated Glass, Add	*91.33*	
08 52 16 00-0367	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	595.63	64.45
		For Tempered Clear Insulated Glass, Add	*93.35*	
08 52 16 00-0368	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	631.45	67.31
		For Tempered Clear Insulated Glass, Add	*99.65*	
08 52 16 00-0369		**35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0370	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	583.76	61.59
		For Tempered Clear Insulated Glass, Add	*92.12*	
08 52 16 00-0371	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	613.49	64.45
		For Tempered Clear Insulated Glass, Add	*97.20*	
08 52 16 00-0372	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	644.65	66.60
		For Tempered Clear Insulated Glass, Add	*102.29*	
08 52 16 00-0373	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	693.42	69.46
		For Tempered Clear Insulated Glass, Add	*110.90*	
08 52 16 00-0374	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	739.72	71.61
		For Tempered Clear Insulated Glass, Add	*119.30*	
08 52 16 00-0375	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	784.71	73.04
		For Tempered Clear Insulated Glass, Add	*127.72*	
08 52 16 00-0376		**40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0377	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	626.13	65.88
		For Tempered Clear Insulated Glass, Add	*99.16*	
08 52 16 00-0378	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	653.90	67.31
		For Tempered Clear Insulated Glass, Add	*103.86*	
08 52 16 00-0379	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	685.06	70.18
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0380	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.37	73.04
		For Tempered Clear Insulated Glass, Add	*121.86*	
08 52 16 00-0381	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	803.84	75.90
		For Tempered Clear Insulated Glass, Add	*130.69*	
08 52 16 00-0382	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	849.51	78.77
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-0383		**48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0384	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	686.49	71.61
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0385	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	716.24	73.04
		For Tempered Clear Insulated Glass, Add	*114.03*	
08 52 16 00-0386	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	747.39	75.90
		For Tempered Clear Insulated Glass, Add	*119.12*	
08 52 16 00-0387	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	844.08	78.77
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0388	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	882.15	81.64
		For Tempered Clear Insulated Glass, Add	*144.06*	
08 52 16 00-0389	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	939.23	84.50
		For Tempered Clear Insulated Glass, Add	*154.33*	
08 52 16 00-0390		**52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0391	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	727.45	74.47
		For Tempered Clear Insulated Glass, Add	*115.99*	
08 52 16 00-0392	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.22	75.90
		For Tempered Clear Insulated Glass, Add	*120.68*	
08 52 16 00-0393	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	786.38	78.77
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0394	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	905.57	81.64
		For Tempered Clear Insulated Glass, Add	*148.46*	
08 52 16 00-0395	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	962.19	84.50
		For Tempered Clear Insulated Glass, Add	*158.92*	
08 52 16 00-0396	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	999.74	87.36
		For Tempered Clear Insulated Glass, Add	*165.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0397		**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0398	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	786.38	78.77
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0399	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	816.10	81.64
		For Tempered Clear Insulated Glass, Add	*130.85*	
08 52 16 00-0400	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	847.28	83.78
		For Tempered Clear Insulated Glass, Add	*135.94*	
08 52 16 00-0401	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	993.87	86.65
		For Tempered Clear Insulated Glass, Add	*164.11*	
08 52 16 00-0402	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,034.12	88.80
		For Tempered Clear Insulated Glass, Add	*171.31*	
08 52 16 00-0403	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,088.02	91.66
		For Tempered Clear Insulated Glass, Add	*180.94*	
08 52 16 00-0404		**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0405	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	828.76	83.07
		For Tempered Clear Insulated Glass, Add	*132.81*	
08 52 16 00-0406	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	856.53	84.50
		For Tempered Clear Insulated Glass, Add	*137.51*	
08 52 16 00-0407	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	887.70	87.36
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0408	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,055.80	90.23
		For Tempered Clear Insulated Glass, Add	*175.07*	
08 52 16 00-0409	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,093.29	93.09
		For Tempered Clear Insulated Glass, Add	*181.71*	
08 52 16 00-0410	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,149.96	95.95
		For Tempered Clear Insulated Glass, Add	*191.90*	
08 52 16 00-0411		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0412	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	887.70	87.36
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0413	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	917.42	90.23
		For Tempered Clear Insulated Glass, Add	*147.68*	
08 52 16 00-0414	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	948.58	92.37
		For Tempered Clear Insulated Glass, Add	*152.77*	
08 52 16 00-0415	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,144.09	95.24
		For Tempered Clear Insulated Glass, Add	*190.72*	
08 52 16 00-0416	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,189.99	97.38
		For Tempered Clear Insulated Glass, Add	*199.04*	
08 52 16 00-0417	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,238.24	100.26
		For Tempered Clear Insulated Glass, Add	*207.55*	
08 52 16 00-0418		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0356)*		
08 52 16 00-0419		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0420	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	864.94	70.18
		For Tempered Clear Insulated Glass, Add	*144.92*	
08 52 16 00-0421	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	982.35	75.90
		For Tempered Clear Insulated Glass, Add	*166.11*	
08 52 16 00-0422	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,118.17	81.64
		For Tempered Clear Insulated Glass, Add	*190.98*	
08 52 16 00-0423		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0424	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	932.77	73.04
		For Tempered Clear Insulated Glass, Add	*157.34*	
08 52 16 00-0425	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,050.16	78.77
		For Tempered Clear Insulated Glass, Add	*178.52*	
08 52 16 00-0426	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,185.99	84.50
		For Tempered Clear Insulated Glass, Add	*203.40*	
08 52 16 00-0427		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0428	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	924.45	73.04
		For Tempered Clear Insulated Glass, Add	*155.67*	
08 52 16 00-0429	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,044.03	78.77
		For Tempered Clear Insulated Glass, Add	*177.58*	
08 52 16 00-0430	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,168.96	84.50
		For Tempered Clear Insulated Glass, Add	*200.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0431	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,313.45	89.51
		For Tempered Clear Insulated Glass, Add	*226.89*	
08 52 16 00-0432	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,410.33	93.81
		For Tempered Clear Insulated Glass, Add	*244.54*	
08 52 16 00-0433	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,571.65	100.26
		For Tempered Clear Insulated Glass, Add	*274.23*	
08 52 16 00-0434		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0435	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,007.90	76.62
		For Tempered Clear Insulated Glass, Add	*170.93*	
08 52 16 00-0436	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,127.48	81.64
		For Tempered Clear Insulated Glass, Add	*192.84*	
08 52 16 00-0437	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,252.42	87.36
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0438	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,396.91	93.09
		For Tempered Clear Insulated Glass, Add	*242.15*	
08 52 16 00-0439	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,504.17	97.38
		For Tempered Clear Insulated Glass, Add	*261.88*	
08 52 16 00-0440	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,954.45	103.84
		For Tempered Clear Insulated Glass, Add	*349.36*	
08 52 16 00-0441		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0442	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,130.87	82.35
		For Tempered Clear Insulated Glass, Add	*193.23*	
08 52 16 00-0443	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,252.42	87.36
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0444	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,377.34	93.09
		For Tempered Clear Insulated Glass, Add	*238.23*	
08 52 16 00-0445	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,521.84	98.82
		For Tempered Clear Insulated Glass, Add	*264.84*	
08 52 16 00-0446	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,624.59	103.12
		For Tempered Clear Insulated Glass, Add	*283.67*	
08 52 16 00-0447	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,780.05	109.56
		For Tempered Clear Insulated Glass, Add	*312.19*	
08 52 16 00-0448		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0449	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,212.90	85.22
		For Tempered Clear Insulated Glass, Add	*208.49*	
08 52 16 00-0450	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,332.48	90.23
		For Tempered Clear Insulated Glass, Add	*230.41*	
08 52 16 00-0451	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,442.91	95.95
		For Tempered Clear Insulated Glass, Add	*250.20*	
08 52 16 00-0452	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,601.91	101.69
		For Tempered Clear Insulated Glass, Add	*279.71*	
08 52 16 00-0453	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,709.57	105.98
		For Tempered Clear Insulated Glass, Add	*299.52*	
08 52 16 00-0454	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,862.08	112.43
		For Tempered Clear Insulated Glass, Add	*327.45*	
08 52 16 00-0455		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0456	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,334.44	90.23
		For Tempered Clear Insulated Glass, Add	*230.80*	
08 52 16 00-0457	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,454.03	95.95
		For Tempered Clear Insulated Glass, Add	*252.71*	
08 52 16 00-0458	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,578.96	101.69
		For Tempered Clear Insulated Glass, Add	*275.40*	
08 52 16 00-0459	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,723.46	106.70
		For Tempered Clear Insulated Glass, Add	*302.01*	
08 52 16 00-0460	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,831.11	110.99
		For Tempered Clear Insulated Glass, Add	*321.82*	
08 52 16 00-0461	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,981.67	117.44
		For Tempered Clear Insulated Glass, Add	*349.36*	
08 52 16 00-0462		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0463	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,417.91	93.81
		For Tempered Clear Insulated Glass, Add	*246.06*	
08 52 16 00-0464	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,537.49	98.82
		For Tempered Clear Insulated Glass, Add	*267.97*	
08 52 16 00-0465	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,664.38	104.55
		For Tempered Clear Insulated Glass, Add	*291.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0466	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,808.88	110.28
		For Tempered Clear Insulated Glass, Add	*317.66*	
08 52 16 00-0467		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0468	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,539.45	98.82
		For Tempered Clear Insulated Glass, Add	*268.36*	
08 52 16 00-0469	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,659.03	104.55
		For Tempered Clear Insulated Glass, Add	*290.27*	
08 52 16 00-0470	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,783.96	110.28
		For Tempered Clear Insulated Glass, Add	*312.97*	
08 52 16 00-0471	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,928.46	115.29
		For Tempered Clear Insulated Glass, Add	*339.58*	
08 52 16 00-0472		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0473		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0474	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,368.25	92.37
		For Tempered Clear Insulated Glass, Add	*236.70*	
08 52 16 00-0475	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,590.55	101.69
		For Tempered Clear Insulated Glass, Add	*277.44*	
08 52 16 00-0476		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0477	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,451.48	95.24
		For Tempered Clear Insulated Glass, Add	*252.20*	
08 52 16 00-0478	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,659.26	104.55
		For Tempered Clear Insulated Glass, Add	*290.03*	
08 52 16 00-0479		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0480	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,397.30	93.09
		For Tempered Clear Insulated Glass, Add	*242.22*	
08 52 16 00-0481	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,575.57	100.26
		For Tempered Clear Insulated Glass, Add	*275.01*	
08 52 16 00-0482	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,795.70	110.28
		For Tempered Clear Insulated Glass, Add	*315.32*	
08 52 16 00-0483		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0484	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,476.79	97.38
		For Tempered Clear Insulated Glass, Add	*256.69*	
08 52 16 00-0485	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,660.98	103.84
		For Tempered Clear Insulated Glass, Add	*290.66*	
08 52 16 00-0486	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,879.16	113.14
		For Tempered Clear Insulated Glass, Add	*330.58*	
08 52 16 00-0487		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0488	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,783.96	109.56
		For Tempered Clear Insulated Glass, Add	*312.97*	
08 52 16 00-0489	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,002.14	118.87
		For Tempered Clear Insulated Glass, Add	*352.88*	
08 52 16 00-0490		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0491	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,865.99	112.43
		For Tempered Clear Insulated Glass, Add	*328.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0492	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,084.17	121.74
		For Tempered Clear Insulated Glass, Add	*368.14*	
08 52 16 00-0493		**59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0472)*		
08 52 16 00-0494	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,985.58	117.44
		For Tempered Clear Insulated Glass, Add	*350.14*	
08 52 16 00-0495	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,205.72	127.47
		For Tempered Clear Insulated Glass, Add	*390.44*	
08 52 16 00-0496		**Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0355)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497		**One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0496)*		
08 52 16 00-0498		**24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0499	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.80	54.42
		For Tempered Low-E Insulated Glass, Add	*93.88*	
08 52 16 00-0500	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	610.45	55.86
		For Tempered Low-E Insulated Glass, Add	*99.75*	
08 52 16 00-0501	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	647.97	58.72
		For Tempered Low-E Insulated Glass, Add	*106.11*	
08 52 16 00-0502	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	682.52	61.59
		For Tempered Low-E Insulated Glass, Add	*111.87*	
08 52 16 00-0503		**28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0504	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	619.21	57.29
		For Tempered Low-E Insulated Glass, Add	*101.21*	
08 52 16 00-0505	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	652.86	58.72
		For Tempered Low-E Insulated Glass, Add	*107.08*	
08 52 16 00-0506	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	690.38	61.59
		For Tempered Low-E Insulated Glass, Add	*113.44*	
08 52 16 00-0507	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	708.68	64.45
		For Tempered Low-E Insulated Glass, Add	*115.96*	
08 52 16 00-0508	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	752.38	67.31
		For Tempered Low-E Insulated Glass, Add	*123.84*	
08 52 16 00-0509		**35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0510	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	695.27	61.59
		For Tempered Low-E Insulated Glass, Add	*114.42*	
08 52 16 00-0511	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	731.37	64.45
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0512	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	768.88	66.60
		For Tempered Low-E Insulated Glass, Add	*127.14*	
08 52 16 00-0513	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	828.41	69.46
		For Tempered Low-E Insulated Glass, Add	*137.90*	
08 52 16 00-0514	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	885.21	71.61
		For Tempered Low-E Insulated Glass, Add	*148.40*	
08 52 16 00-0515	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	940.74	73.04
		For Tempered Low-E Insulated Glass, Add	*158.93*	
08 52 16 00-0516		**40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0517	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	746.45	65.88
		For Tempered Low-E Insulated Glass, Add	*123.22*	
08 52 16 00-0518	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	780.09	67.31
		For Tempered Low-E Insulated Glass, Add	*129.09*	
08 52 16 00-0519	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	817.61	70.18
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0520	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	904.06	73.04
		For Tempered Low-E Insulated Glass, Add	*151.59*	
08 52 16 00-0521	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	963.57	75.90
		For Tempered Low-E Insulated Glass, Add	*162.64*	
08 52 16 00-0522	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,019.23	78.77
		For Tempered Low-E Insulated Glass, Add	*172.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0523 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0524	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	819.04	71.61
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0525	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	855.14	73.04
		For Tempered Low-E Insulated Glass, Add	*141.81*	
08 52 16 00-0526	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	892.66	75.90
		For Tempered Low-E Insulated Glass, Add	*148.17*	
08 52 16 00-0527	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,012.09	78.77
		For Tempered Low-E Insulated Glass, Add	*170.91*	
08 52 16 00-0528	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,058.60	81.64
		For Tempered Low-E Insulated Glass, Add	*179.35*	
08 52 16 00-0529	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,128.52	84.50
		For Tempered Low-E Insulated Glass, Add	*192.19*	

08 52 16 00-0530 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0531	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	868.80	74.47
		For Tempered Low-E Insulated Glass, Add	*144.26*	
08 52 16 00-0532	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	902.44	75.90
		For Tempered Low-E Insulated Glass, Add	*150.13*	
08 52 16 00-0533	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	939.96	78.77
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0534	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,087.52	81.64
		For Tempered Low-E Insulated Glass, Add	*184.85*	
08 52 16 00-0535	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,157.21	84.50
		For Tempered Low-E Insulated Glass, Add	*197.93*	
08 52 16 00-0536	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,202.72	87.36
		For Tempered Low-E Insulated Glass, Add	*205.88*	

08 52 16 00-0537 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0538	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	939.96	78.77
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0539	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	976.04	81.64
		For Tempered Low-E Insulated Glass, Add	*162.84*	
08 52 16 00-0540	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,013.57	83.78
		For Tempered Low-E Insulated Glass, Add	*169.20*	
08 52 16 00-0541	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,195.38	86.65
		For Tempered Low-E Insulated Glass, Add	*204.42*	
08 52 16 00-0542	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,244.62	88.80
		For Tempered Low-E Insulated Glass, Add	*213.41*	
08 52 16 00-0543	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,310.56	91.66
		For Tempered Low-E Insulated Glass, Add	*225.45*	

08 52 16 00-0544 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0545	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	991.14	83.07
		For Tempered Low-E Insulated Glass, Add	*165.29*	
08 52 16 00-0546	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,024.79	84.50
		For Tempered Low-E Insulated Glass, Add	*171.16*	
08 52 16 00-0547	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,062.31	87.36
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0548	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,271.01	90.23
		For Tempered Low-E Insulated Glass, Add	*218.11*	
08 52 16 00-0549	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,316.79	93.09
		For Tempered Low-E Insulated Glass, Add	*226.41*	
08 52 16 00-0550	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,386.20	95.95
		For Tempered Low-E Insulated Glass, Add	*239.14*	

08 52 16 00-0551 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0552	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,062.31	87.36
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0553	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,098.39	90.23
		For Tempered Low-E Insulated Glass, Add	*183.87*	
08 52 16 00-0554	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,135.91	92.37
		For Tempered Low-E Insulated Glass, Add	*190.23*	
08 52 16 00-0555	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,378.86	95.24
		For Tempered Low-E Insulated Glass, Add	*237.68*	
08 52 16 00-0556	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,435.17	97.38
		For Tempered Low-E Insulated Glass, Add	*248.08*	
08 52 16 00-0557	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,494.04	100.26
		For Tempered Low-E Insulated Glass, Add	*258.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0558		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0559		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0560	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,038.83	70.18
		For Tempered Low-E Insulated Glass, Add	*179.70*	
08 52 16 00-0561	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,182.72	75.90
		For Tempered Low-E Insulated Glass, Add	*206.18*	
08 52 16 00-0562	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,349.63	81.64
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-0563		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0564	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,122.18	73.04
		For Tempered Low-E Insulated Glass, Add	*195.22*	
08 52 16 00-0565	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,266.06	78.77
		For Tempered Low-E Insulated Glass, Add	*221.70*	
08 52 16 00-0566	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,432.98	84.50
		For Tempered Low-E Insulated Glass, Add	*252.80*	
08 52 16 00-0567		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0568	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,111.77	73.04
		For Tempered Low-E Insulated Glass, Add	*193.14*	
08 52 16 00-0569	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,258.74	78.77
		For Tempered Low-E Insulated Glass, Add	*220.53*	
08 52 16 00-0570	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,412.05	84.50
		For Tempered Low-E Insulated Glass, Add	*248.90*	
08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,589.79	89.51
		For Tempered Low-E Insulated Glass, Add	*282.15*	
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,708.75	93.81
		For Tempered Low-E Insulated Glass, Add	*304.23*	
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,907.18	100.26
		For Tempered Low-E Insulated Glass, Add	*341.34*	
08 52 16 00-0574		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,214.30	76.62
		For Tempered Low-E Insulated Glass, Add	*212.21*	
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,361.27	81.64
		For Tempered Low-E Insulated Glass, Add	*239.60*	
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,514.58	87.36
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.33	93.09
		For Tempered Low-E Insulated Glass, Add	*301.23*	
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,824.26	97.38
		For Tempered Low-E Insulated Glass, Add	*325.90*	
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,383.89	103.84
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0581		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,365.16	82.35
		For Tempered Low-E Insulated Glass, Add	*240.09*	
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,514.58	87.36
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,667.87	93.09
		For Tempered Low-E Insulated Glass, Add	*296.34*	
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,845.63	98.82
		For Tempered Low-E Insulated Glass, Add	*329.60*	
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,971.92	103.12
		For Tempered Low-E Insulated Glass, Add	*353.14*	
08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,163.02	109.56
		For Tempered Low-E Insulated Glass, Add	*388.78*	
08 52 16 00-0588		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,466.26	85.22
		For Tempered Low-E Insulated Glass, Add	*259.17*	
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,613.23	90.23
		For Tempered Low-E Insulated Glass, Add	*286.56*	
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,752.02	95.95
		For Tempered Low-E Insulated Glass, Add	*312.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,944.29	101.69
		For Tempered Low-E Insulated Glass, Add	*348.18*	
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,076.72	105.98
		For Tempered Low-E Insulated Glass, Add	*372.95*	
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,264.13	112.43
		For Tempered Low-E Insulated Glass, Add	*407.86*	
08 52 16 00-0595		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,615.68	90.23
		For Tempered Low-E Insulated Glass, Add	*287.05*	
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,762.66	95.95
		For Tempered Low-E Insulated Glass, Add	*314.44*	
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,915.96	101.69
		For Tempered Low-E Insulated Glass, Add	*342.80*	
08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,093.72	106.70
		For Tempered Low-E Insulated Glass, Add	*376.06*	
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,226.13	110.99
		For Tempered Low-E Insulated Glass, Add	*400.83*	
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,411.11	117.44
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0602		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,718.22	93.81
		For Tempered Low-E Insulated Glass, Add	*306.12*	
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,865.19	98.82
		For Tempered Low-E Insulated Glass, Add	*333.51*	
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,020.94	104.55
		For Tempered Low-E Insulated Glass, Add	*362.37*	
08 52 16 00-0606	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,198.70	110.28
		For Tempered Low-E Insulated Glass, Add	*395.63*	
08 52 16 00-0607		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0608	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,867.64	98.82
		For Tempered Low-E Insulated Glass, Add	*334.00*	
08 52 16 00-0609	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,014.61	104.55
		For Tempered Low-E Insulated Glass, Add	*361.39*	
08 52 16 00-0610	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,167.91	110.28
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0611	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,345.67	115.29
		For Tempered Low-E Insulated Glass, Add	*423.02*	
08 52 16 00-0612		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0613		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0614	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,660.50	92.37
		For Tempered Low-E Insulated Glass, Add	*295.15*	
08 52 16 00-0615	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,930.08	101.69
		For Tempered Low-E Insulated Glass, Add	*345.34*	
08 52 16 00-0616		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0617	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,759.47	95.24
		For Tempered Low-E Insulated Glass, Add	*313.80*	
08 52 16 00-0618	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,014.53	104.55
		For Tempered Low-E Insulated Glass, Add	*361.09*	
08 52 16 00-0619		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0620	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.82	93.09
		For Tempered Low-E Insulated Glass, Add	*301.33*	
08 52 16 00-0621	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,912.07	100.26
		For Tempered Low-E Insulated Glass, Add	*342.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0622	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,182.58	110.28
		For Tempered Low-E Insulated Glass, Add	*392.69*	
08 52 16 00-0623		**40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0624	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,790.39	97.38
		For Tempered Low-E Insulated Glass, Add	*319.41*	
08 52 16 00-0625	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,017.06	103.84
		For Tempered Low-E Insulated Glass, Add	*361.88*	
08 52 16 00-0626	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,285.12	113.14
		For Tempered Low-E Insulated Glass, Add	*411.77*	
08 52 16 00-0627		**48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0628	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,167.91	109.56
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0629	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,435.98	118.87
		For Tempered Low-E Insulated Glass, Add	*439.65*	
08 52 16 00-0630		**52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0631	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,269.02	112.43
		For Tempered Low-E Insulated Glass, Add	*408.83*	
08 52 16 00-0632	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,537.08	121.74
		For Tempered Low-E Insulated Glass, Add	*458.72*	
08 52 16 00-0633		**59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0634	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,416.00	117.44
		For Tempered Low-E Insulated Glass, Add	*436.22*	
08 52 16 00-0635	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,686.51	127.47
		For Tempered Low-E Insulated Glass, Add	*486.60*	
08 52 16 00-0636		**Awning Wood Clad Windows** *(08 52 16)* Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0637		**Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0636)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638		**Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0637)*		
08 52 16 00-0639		**17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0640	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	526.11	58.72
		For Tempered Clear Insulated Glass, Add	*81.73*	
08 52 16 00-0641	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	563.14	61.59
		For Tempered Clear Insulated Glass, Add	*87.99*	
08 52 16 00-0642	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	593.45	63.73
		For Tempered Clear Insulated Glass, Add	*93.20*	
08 52 16 00-0643	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	631.86	66.60
		For Tempered Clear Insulated Glass, Add	*99.73*	
08 52 16 00-0644	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	676.19	70.18
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0645	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	744.39	75.90
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0646	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	787.29	78.77
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0647	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	850.14	84.50
		For Tempered Clear Insulated Glass, Add	*136.51*	
08 52 16 00-0648	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	874.04	87.36
		For Tempered Clear Insulated Glass, Add	*139.86*	
08 52 16 00-0649	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	936.22	92.37
		For Tempered Clear Insulated Glass, Add	*150.29*	
08 52 16 00-0650		**20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0651	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	554.85	61.59
		For Tempered Clear Insulated Glass, Add	*86.62*	
08 52 16 00-0652	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	594.83	64.45
		For Tempered Clear Insulated Glass, Add	*93.47*	
08 52 16 00-0653	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	620.97	65.88
		For Tempered Clear Insulated Glass, Add	*97.84*	
08 52 16 00-0654	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	663.55	68.74
		For Tempered Clear Insulated Glass, Add	*105.21*	
08 52 16 00-0655	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	707.88	73.04
		For Tempered Clear Insulated Glass, Add	*112.65*	
08 52 16 00-0656	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	774.12	78.06
		For Tempered Clear Insulated Glass, Add	*123.60*	
08 52 16 00-0657	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	817.01	81.64
		For Tempered Clear Insulated Glass, Add	*131.04*	
08 52 16 00-0658	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	881.82	85.93
		For Tempered Clear Insulated Glass, Add	*141.99*	
08 52 16 00-0659	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	903.44	90.23
		For Tempered Clear Insulated Glass, Add	*144.88*	
08 52 16 00-0660	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	967.56	94.52
		For Tempered Clear Insulated Glass, Add	*155.70*	
08 52 16 00-0661	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,483.03	104.55
		For Tempered Clear Insulated Glass, Add	*255.07*	

08 52 16 00-0662 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0663	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.92	64.45
		For Tempered Clear Insulated Glass, Add	*92.69*	
08 52 16 00-0664	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.94	67.31
		For Tempered Clear Insulated Glass, Add	*98.95*	
08 52 16 00-0665	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	653.25	68.74
		For Tempered Clear Insulated Glass, Add	*103.15*	
08 52 16 00-0666	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	696.67	71.61
		For Tempered Clear Insulated Glass, Add	*110.69*	
08 52 16 00-0667	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	741.00	75.90
		For Tempered Clear Insulated Glass, Add	*118.12*	
08 52 16 00-0668	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	809.19	80.92
		For Tempered Clear Insulated Glass, Add	*129.47*	
08 52 16 00-0669	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	852.10	84.50
		For Tempered Clear Insulated Glass, Add	*136.91*	
08 52 16 00-0670	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	916.90	88.80
		For Tempered Clear Insulated Glass, Add	*147.86*	
08 52 16 00-0671	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	936.22	93.09
		For Tempered Clear Insulated Glass, Add	*150.29*	
08 52 16 00-0672	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	998.33	97.38
		For Tempered Clear Insulated Glass, Add	*160.71*	
08 52 16 00-0673	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,560.12	107.41
		For Tempered Clear Insulated Glass, Add	*269.34*	

08 52 16 00-0674 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0675	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.77	67.31
		For Tempered Clear Insulated Glass, Add	*91.52*	
08 52 16 00-0676	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	647.37	70.18
		For Tempered Clear Insulated Glass, Add	*101.69*	
08 52 16 00-0677	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	683.86	71.61
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0678	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	751.31	74.47
		For Tempered Clear Insulated Glass, Add	*120.47*	
08 52 16 00-0679	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	819.12	78.77
		For Tempered Clear Insulated Glass, Add	*132.60*	
08 52 16 00-0680	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	918.62	83.78
		For Tempered Clear Insulated Glass, Add	*150.21*	
08 52 16 00-0681	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	983.04	87.36
		For Tempered Clear Insulated Glass, Add	*161.95*	
08 52 16 00-0682	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,081.10	91.66
		For Tempered Clear Insulated Glass, Add	*179.56*	
08 52 16 00-0683	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,117.73	95.95
		For Tempered Clear Insulated Glass, Add	*185.45*	
08 52 16 00-0684	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,212.74	100.26
		For Tempered Clear Insulated Glass, Add	*202.45*	
08 52 16 00-0685	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,602.49	110.28
		For Tempered Clear Insulated Glass, Add	*276.67*	

08 52 16 00-0686 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0687	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	683.86	71.61
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0688	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	723.01	73.75
		For Tempered Clear Insulated Glass, Add	*115.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0689	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	776.85	76.62
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0690	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	837.10	80.21
		For Tempered Clear Insulated Glass, Add	*135.34*	
08 52 16 00-0691	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	924.89	85.93
		For Tempered Clear Insulated Glass, Add	*150.61*	
08 52 16 00-0692	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	985.37	88.80
		For Tempered Clear Insulated Glass, Add	*161.56*	
08 52 16 00-0693	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,071.73	94.52
		For Tempered Clear Insulated Glass, Add	*176.82*	
08 52 16 00-0694	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,131.99	97.38
		For Tempered Clear Insulated Glass, Add	*187.44*	
08 52 16 00-0695	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,219.99	102.40
		For Tempered Clear Insulated Glass, Add	*203.04*	
08 52 16 00-0696	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,707.68	111.71
		For Tempered Clear Insulated Glass, Add	*296.85*	

08 52 16 00-0697 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0698	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	776.85	76.62
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0699	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	853.28	79.49
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0700	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	921.10	83.07
		For Tempered Clear Insulated Glass, Add	*150.99*	
08 52 16 00-0701	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,020.59	88.80
		For Tempered Clear Insulated Glass, Add	*168.60*	
08 52 16 00-0702	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,086.97	91.66
		For Tempered Clear Insulated Glass, Add	*180.73*	
08 52 16 00-0703	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,183.08	97.38
		For Tempered Clear Insulated Glass, Add	*197.95*	
08 52 16 00-0704	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,036.96	100.26
		For Tempered Clear Insulated Glass, Add	*167.29*	
08 52 16 00-0705	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,112.68	105.27
		For Tempered Clear Insulated Glass, Add	*180.43*	

08 52 16 00-0706 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0707	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	909.36	83.07
		For Tempered Clear Insulated Glass, Add	*148.64*	
08 52 16 00-0708	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,022.17	87.36
		For Tempered Clear Insulated Glass, Add	*169.77*	

08 52 16 00-0709 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0710	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,079.28	88.80
		For Tempered Clear Insulated Glass, Add	*180.34*	
08 52 16 00-0711	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,194.05	93.09
		For Tempered Clear Insulated Glass, Add	*201.86*	
08 52 16 00-0712	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,362.02	98.10
		For Tempered Clear Insulated Glass, Add	*233.16*	

08 52 16 00-0713 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0714	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,333.31	96.67
		For Tempered Clear Insulated Glass, Add	*227.99*	
08 52 16 00-0715	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,433.89	100.26
		For Tempered Clear Insulated Glass, Add	*246.68*	

08 52 16 00-0716 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0717	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,456.21	97.38
		For Tempered Clear Insulated Glass, Add	*252.29*	
08 52 16 00-0718	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,507.63	105.27
		For Tempered Clear Insulated Glass, Add	*259.42*	
08 52 16 00-0719	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,666.79	108.85
		For Tempered Clear Insulated Glass, Add	*289.82*	
08 52 16 00-0720	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,829.88	114.57
		For Tempered Clear Insulated Glass, Add	*320.15*	

08 52 16 00-0721 Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*

08 52 16 00-0722 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0723	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	465.46	58.72
		For Tempered Clear Insulated Glass, Add	*69.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0724	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	500.54	61.59
		For Tempered Clear Insulated Glass, Add	*75.47*	
08 52 16 00-0725	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	523.76	63.73
		For Tempered Clear Insulated Glass, Add	*79.26*	
08 52 16 00-0726	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	561.43	66.60
		For Tempered Clear Insulated Glass, Add	*85.65*	
08 52 16 00-0727	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	601.85	70.18
		For Tempered Clear Insulated Glass, Add	*92.30*	
08 52 16 00-0728	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	664.17	75.90
		For Tempered Clear Insulated Glass, Add	*102.47*	
08 52 16 00-0729	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	701.21	78.77
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-0730	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	760.15	84.50
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0731	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	800.57	87.36
		For Tempered Clear Insulated Glass, Add	*125.17*	
08 52 16 00-0732	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.50	92.37
		For Tempered Clear Insulated Glass, Add	*134.95*	

08 52 16 00-0733 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0734	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	493.24	61.59
		For Tempered Clear Insulated Glass, Add	*74.30*	
08 52 16 00-0735	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	528.32	64.45
		For Tempered Clear Insulated Glass, Add	*80.17*	
08 52 16 00-0736	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	549.62	65.88
		For Tempered Clear Insulated Glass, Add	*83.57*	
08 52 16 00-0737	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	591.16	68.74
		For Tempered Clear Insulated Glass, Add	*90.73*	
08 52 16 00-0738	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	631.58	73.04
		For Tempered Clear Insulated Glass, Add	*97.39*	
08 52 16 00-0739	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	691.95	78.06
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0740	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	730.93	81.64
		For Tempered Clear Insulated Glass, Add	*113.82*	
08 52 16 00-0741	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	787.91	85.93
		For Tempered Clear Insulated Glass, Add	*123.21*	
08 52 16 00-0742	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	830.29	90.23
		For Tempered Clear Insulated Glass, Add	*130.25*	
08 52 16 00-0743	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	887.27	94.52
		For Tempered Clear Insulated Glass, Add	*139.64*	

08 52 16 00-0744 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0745	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	524.40	64.45
		For Tempered Clear Insulated Glass, Add	*79.39*	
08 52 16 00-0746	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	559.47	67.31
		For Tempered Clear Insulated Glass, Add	*85.26*	
08 52 16 00-0747	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	578.58	68.74
		For Tempered Clear Insulated Glass, Add	*88.22*	
08 52 16 00-0748	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	620.37	71.61
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0749	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	660.79	75.90
		For Tempered Clear Insulated Glass, Add	*102.08*	
08 52 16 00-0750	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	721.15	80.92
		For Tempered Clear Insulated Glass, Add	*111.86*	
08 52 16 00-0751	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	760.15	84.50
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0752	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	819.08	88.80
		For Tempered Clear Insulated Glass, Add	*128.30*	
08 52 16 00-0753	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.50	93.09
		For Tempered Clear Insulated Glass, Add	*134.95*	
08 52 16 00-0754	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	918.44	97.38
		For Tempered Clear Insulated Glass, Add	*144.73*	

08 52 16 00-0755 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0756	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	528.17	67.31
		For Tempered Clear Insulated Glass, Add	*79.00*	
08 52 16 00-0757	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	574.98	70.18
		For Tempered Clear Insulated Glass, Add	*87.21*	
08 52 16 00-0758	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.90	71.61
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0759	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	626.10	74.47
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0760	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	713.47	78.77
		For Tempered Clear Insulated Glass, Add	*111.47*	
08 52 16 00-0761	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	793.41	83.78
		For Tempered Clear Insulated Glass, Add	*125.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0762	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	846.09	87.36
		For Tempered Clear Insulated Glass, Add	*134.56*	
08 52 16 00-0763	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	924.58	91.66
		For Tempered Clear Insulated Glass, Add	*148.25*	
08 52 16 00-0764	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	980.66	95.95
		For Tempered Clear Insulated Glass, Add	*158.04*	
08 52 16 00-0765	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,059.15	100.26
		For Tempered Clear Insulated Glass, Add	*171.73*	
08 52 16 00-0766		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		
08 52 16 00-0767	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.90	71.61
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0768	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	633.41	73.75
		For Tempered Clear Insulated Glass, Add	*97.18*	
08 52 16 00-0769	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	677.29	76.62
		For Tempered Clear Insulated Glass, Add	*104.81*	
08 52 16 00-0770	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	727.59	80.21
		For Tempered Clear Insulated Glass, Add	*113.44*	
08 52 16 00-0771	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	800.44	85.93
		For Tempered Clear Insulated Glass, Add	*125.72*	
08 52 16 00-0772	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	849.31	88.80
		For Tempered Clear Insulated Glass, Add	*134.34*	
08 52 16 00-0773	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	920.74	94.52
		For Tempered Clear Insulated Glass, Add	*146.62*	
08 52 16 00-0774	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	969.38	97.38
		For Tempered Clear Insulated Glass, Add	*154.92*	
08 52 16 00-0775	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,040.79	102.40
		For Tempered Clear Insulated Glass, Add	*167.20*	
08 52 16 00-0776		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		
08 52 16 00-0777	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	677.29	76.62
		For Tempered Clear Insulated Glass, Add	*104.81*	
08 52 16 00-0778	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	741.76	79.49
		For Tempered Clear Insulated Glass, Add	*116.56*	
08 52 16 00-0779	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	795.89	83.07
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0780	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	877.77	88.80
		For Tempered Clear Insulated Glass, Add	*140.04*	
08 52 16 00-0781	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	930.45	91.66
		For Tempered Clear Insulated Glass, Add	*149.43*	
08 52 16 00-0782	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,008.96	97.38
		For Tempered Clear Insulated Glass, Add	*163.12*	
08 52 16 00-0783	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,063.06	100.26
		For Tempered Clear Insulated Glass, Add	*172.51*	
08 52 16 00-0784	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,141.58	105.27
		For Tempered Clear Insulated Glass, Add	*186.21*	
08 52 16 00-0785		Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0636)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0786		Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*		
08 52 16 00-0787		17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	622.95	58.72
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0789	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	667.81	61.59
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0790	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	704.62	63.73
		For Tempered Low-E Insulated Glass, Add	*115.43*	
08 52 16 00-0791	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	751.20	66.60
		For Tempered Low-E Insulated Glass, Add	*123.60*	
08 52 16 00-0792	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	804.82	70.18
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0793	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	887.21	75.90
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0794	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	939.40	78.77
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0795	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,015.46	84.50
		For Tempered Low-E Insulated Glass, Add	*169.58*	
08 52 16 00-0796	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,043.55	87.36
		For Tempered Low-E Insulated Glass, Add	*173.76*	
08 52 16 00-0797	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,118.76	92.37
		For Tempered Low-E Insulated Glass, Add	*186.80*	
08 52 16 00-0798		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0799	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	657.81	61.59
		For Tempered Low-E Insulated Glass, Add	*107.21*	
08 52 16 00-0800	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	706.35	64.45
		For Tempered Low-E Insulated Glass, Add	*115.78*	
08 52 16 00-0801	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	737.94	65.88
		For Tempered Low-E Insulated Glass, Add	*121.24*	
08 52 16 00-0802	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	789.74	68.74
		For Tempered Low-E Insulated Glass, Add	*130.45*	
08 52 16 00-0803	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	843.36	73.04
		For Tempered Low-E Insulated Glass, Add	*139.74*	
08 52 16 00-0804	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	923.30	78.06
		For Tempered Low-E Insulated Glass, Add	*153.44*	
08 52 16 00-0805	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	975.48	81.64
		For Tempered Low-E Insulated Glass, Add	*162.73*	
08 52 16 00-0806	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,053.99	85.93
		For Tempered Low-E Insulated Glass, Add	*176.43*	
08 52 16 00-0807	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,079.23	90.23
		For Tempered Low-E Insulated Glass, Add	*180.04*	
08 52 16 00-0808	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,156.86	94.52
		For Tempered Low-E Insulated Glass, Add	*193.56*	
08 52 16 00-0809	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,796.55	104.55
		For Tempered Low-E Insulated Glass, Add	*317.78*	

08 52 16 00-0810 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0811	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	701.46	64.45
		For Tempered Low-E Insulated Glass, Add	*114.80*	
08 52 16 00-0812	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	746.31	67.31
		For Tempered Low-E Insulated Glass, Add	*122.62*	
08 52 16 00-0813	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	776.86	68.74
		For Tempered Low-E Insulated Glass, Add	*127.87*	
08 52 16 00-0814	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	829.70	71.61
		For Tempered Low-E Insulated Glass, Add	*137.30*	
08 52 16 00-0815	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	883.33	75.90
		For Tempered Low-E Insulated Glass, Add	*146.59*	
08 52 16 00-0816	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	965.70	80.92
		For Tempered Low-E Insulated Glass, Add	*160.77*	
08 52 16 00-0817	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,017.91	84.50
		For Tempered Low-E Insulated Glass, Add	*170.07*	
08 52 16 00-0818	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,096.40	88.80
		For Tempered Low-E Insulated Glass, Add	*183.76*	
08 52 16 00-0819	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,118.76	93.09
		For Tempered Low-E Insulated Glass, Add	*186.80*	
08 52 16 00-0820	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,193.89	97.38
		For Tempered Low-E Insulated Glass, Add	*199.82*	
08 52 16 00-0821	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,891.47	107.41
		For Tempered Low-E Insulated Glass, Add	*335.61*	

08 52 16 00-0822 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0823	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	699.84	67.31
		For Tempered Low-E Insulated Glass, Add	*113.33*	
08 52 16 00-0824	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	769.16	70.18
		For Tempered Low-E Insulated Glass, Add	*126.05*	
08 52 16 00-0825	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	813.70	71.61
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0826	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	896.57	74.47
		For Tempered Low-E Insulated Glass, Add	*149.52*	
08 52 16 00-0827	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	979.55	78.77
		For Tempered Low-E Insulated Glass, Add	*164.69*	
08 52 16 00-0828	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,101.05	83.78
		For Tempered Low-E Insulated Glass, Add	*186.70*	
08 52 16 00-0829	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,180.15	87.36
		For Tempered Low-E Insulated Glass, Add	*201.37*	
08 52 16 00-0830	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,300.22	91.66
		For Tempered Low-E Insulated Glass, Add	*223.38*	
08 52 16 00-0831	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,344.22	95.95
		For Tempered Low-E Insulated Glass, Add	*230.75*	
08 52 16 00-0832	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,673.46	100.26
		For Tempered Low-E Insulated Glass, Add	*294.59*	
08 52 16 00-0833	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,943.01	110.28
		For Tempered Low-E Insulated Glass, Add	*344.78*	

08 52 16 00-0834 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0835	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	813.70	71.61
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0836	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	861.56	73.75
		For Tempered Low-E Insulated Glass, Add	*142.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0837	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	927.42	76.62
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0838	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.95	80.21
		For Tempered Low-E Insulated Glass, Add	*168.11*	
08 52 16 00-0839	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,107.82	85.93
		For Tempered Low-E Insulated Glass, Add	*187.19*	
08 52 16 00-0840	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,181.99	88.80
		For Tempered Low-E Insulated Glass, Add	*200.88*	
08 52 16 00-0841	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,287.43	94.52
		For Tempered Low-E Insulated Glass, Add	*219.96*	
08 52 16 00-0842	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,360.96	97.38
		For Tempered Low-E Insulated Glass, Add	*233.24*	
08 52 16 00-0843	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,468.46	102.40
		For Tempered Low-E Insulated Glass, Add	*252.73*	
08 52 16 00-0844	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,073.42	111.71
		For Tempered Low-E Insulated Glass, Add	*370.00*	

08 52 16 00-0845 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0846	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	927.42	76.62
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0847	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,021.53	79.49
		For Tempered Low-E Insulated Glass, Add	*172.51*	
08 52 16 00-0848	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,104.52	83.07
		For Tempered Low-E Insulated Glass, Add	*187.68*	
08 52 16 00-0849	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,226.01	88.80
		For Tempered Low-E Insulated Glass, Add	*209.68*	
08 52 16 00-0850	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,307.56	91.66
		For Tempered Low-E Insulated Glass, Add	*224.85*	
08 52 16 00-0851	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,425.19	97.38
		For Tempered Low-E Insulated Glass, Add	*246.37*	
08 52 16 00-0852	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,240.75	100.26
		For Tempered Low-E Insulated Glass, Add	*208.05*	
08 52 16 00-0853	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,332.89	105.27
		For Tempered Low-E Insulated Glass, Add	*224.47*	

08 52 16 00-0854 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0855	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,082.67	83.07
		For Tempered Low-E Insulated Glass, Add	*184.74*	
08 52 16 00-0856	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,233.35	88.80
		For Tempered Low-E Insulated Glass, Add	*211.15*	

08 52 16 00-0857 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0858	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,299.38	88.80
		For Tempered Low-E Insulated Glass, Add	*224.36*	
08 52 16 00-0859	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,441.05	93.09
		For Tempered Low-E Insulated Glass, Add	*251.26*	
08 52 16 00-0860	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,648.15	98.10
		For Tempered Low-E Insulated Glass, Add	*290.39*	

08 52 16 00-0861 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0862	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,612.97	96.67
		For Tempered Low-E Insulated Glass, Add	*283.92*	
08 52 16 00-0863	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,736.92	100.26
		For Tempered Low-E Insulated Glass, Add	*307.28*	

08 52 16 00-0864 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0865	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,766.24	97.38
		For Tempered Low-E Insulated Glass, Add	*314.29*	
08 52 16 00-0866	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,826.58	105.27
		For Tempered Low-E Insulated Glass, Add	*323.21*	
08 52 16 00-0867	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,023.74	108.85
		For Tempered Low-E Insulated Glass, Add	*361.21*	
08 52 16 00-0868	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,224.74	114.57
		For Tempered Low-E Insulated Glass, Add	*399.12*	

08 52 16 00-0869 Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*

08 52 16 00-0870 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0871	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	547.14	58.72
		For Tempered Low-E Insulated Glass, Add	*85.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0872	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	589.56	61.59
		For Tempered Low-E Insulated Glass, Add	*93.28*	
08 52 16 00-0873	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	617.51	63.73
		For Tempered Low-E Insulated Glass, Add	*98.01*	
08 52 16 00-0874	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	663.16	66.60
		For Tempered Low-E Insulated Glass, Add	*105.99*	
08 52 16 00-0875	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	711.89	70.18
		For Tempered Low-E Insulated Glass, Add	*114.31*	
08 52 16 00-0876	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	786.94	75.90
		For Tempered Low-E Insulated Glass, Add	*127.03*	
08 52 16 00-0877	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	831.80	78.77
		For Tempered Low-E Insulated Glass, Add	*134.85*	
08 52 16 00-0878	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	902.97	84.50
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0879	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	951.70	87.36
		For Tempered Low-E Insulated Glass, Add	*155.39*	
08 52 16 00-0880	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,022.86	92.37
		For Tempered Low-E Insulated Glass, Add	*167.62*	

08 52 16 00-0881 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0882	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	580.79	61.59
		For Tempered Low-E Insulated Glass, Add	*91.81*	
08 52 16 00-0883	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	623.20	64.45
		For Tempered Low-E Insulated Glass, Add	*99.15*	
08 52 16 00-0884	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	648.76	65.88
		For Tempered Low-E Insulated Glass, Add	*103.40*	
08 52 16 00-0885	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	699.25	68.74
		For Tempered Low-E Insulated Glass, Add	*112.35*	
08 52 16 00-0886	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	747.99	73.04
		For Tempered Low-E Insulated Glass, Add	*120.67*	
08 52 16 00-0887	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	820.58	78.06
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0888	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	867.88	81.64
		For Tempered Low-E Insulated Glass, Add	*141.21*	
08 52 16 00-0889	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	936.60	85.93
		For Tempered Low-E Insulated Glass, Add	*152.95*	
08 52 16 00-0890	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	987.78	90.23
		For Tempered Low-E Insulated Glass, Add	*161.75*	
08 52 16 00-0891	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,056.50	94.52
		For Tempered Low-E Insulated Glass, Add	*173.49*	

08 52 16 00-0892 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0893	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	618.31	64.45
		For Tempered Low-E Insulated Glass, Add	*98.17*	
08 52 16 00-0894	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	660.71	67.31
		For Tempered Low-E Insulated Glass, Add	*105.50*	
08 52 16 00-0895	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	683.53	68.74
		For Tempered Low-E Insulated Glass, Add	*109.21*	
08 52 16 00-0896	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	734.33	71.61
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0897	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	783.06	75.90
		For Tempered Low-E Insulated Glass, Add	*126.54*	
08 52 16 00-0898	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	855.65	80.92
		For Tempered Low-E Insulated Glass, Add	*138.76*	
08 52 16 00-0899	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	902.97	84.50
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0900	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	974.12	88.80
		For Tempered Low-E Insulated Glass, Add	*159.31*	
08 52 16 00-0901	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,022.86	93.09
		For Tempered Low-E Insulated Glass, Add	*167.62*	
08 52 16 00-0902	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,094.03	97.38
		For Tempered Low-E Insulated Glass, Add	*179.85*	

08 52 16 00-0903 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0904	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	621.59	67.31
		For Tempered Low-E Insulated Glass, Add	*97.68*	
08 52 16 00-0905	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	678.67	70.18
		For Tempered Low-E Insulated Glass, Add	*107.95*	
08 52 16 00-0906	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	710.00	71.61
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0907	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	740.06	74.47
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0908	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	847.49	78.77
		For Tempered Low-E Insulated Glass, Add	*138.28*	
08 52 16 00-0909	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	944.54	83.78
		For Tempered Low-E Insulated Glass, Add	*155.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0910	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,008.96	87.36
		For Tempered Low-E Insulated Glass, Add	*167.13*	
08 52 16 00-0911	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,104.58	91.66
		For Tempered Low-E Insulated Glass, Add	*184.25*	
08 52 16 00-0912	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,172.88	95.95
		For Tempered Low-E Insulated Glass, Add	*196.48*	
08 52 16 00-0913	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,268.49	100.26
		For Tempered Low-E Insulated Glass, Add	*213.60*	
08 52 16 00-0914		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0915	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	710.00	71.61
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0916	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	749.56	73.75
		For Tempered Low-E Insulated Glass, Add	*120.41*	
08 52 16 00-0917	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	802.98	76.62
		For Tempered Low-E Insulated Glass, Add	*129.95*	
08 52 16 00-0918	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	864.07	80.21
		For Tempered Low-E Insulated Glass, Add	*140.73*	
08 52 16 00-0919	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	952.27	85.93
		For Tempered Low-E Insulated Glass, Add	*156.08*	
08 52 16 00-0920	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,011.92	88.80
		For Tempered Low-E Insulated Glass, Add	*166.87*	
08 52 16 00-0921	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,098.69	94.52
		For Tempered Low-E Insulated Glass, Add	*182.21*	
08 52 16 00-0922	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,157.70	97.38
		For Tempered Low-E Insulated Glass, Add	*192.58*	
08 52 16 00-0923	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,244.46	102.40
		For Tempered Low-E Insulated Glass, Add	*207.93*	
08 52 16 00-0924		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0925	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	802.98	76.62
		For Tempered Low-E Insulated Glass, Add	*129.95*	
08 52 16 00-0926	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	882.14	79.49
		For Tempered Low-E Insulated Glass, Add	*144.63*	
08 52 16 00-0927	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	948.00	83.07
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0928	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,047.49	88.80
		For Tempered Low-E Insulated Glass, Add	*173.98*	
08 52 16 00-0929	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,111.91	91.66
		For Tempered Low-E Insulated Glass, Add	*185.72*	
08 52 16 00-0930	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,207.54	97.38
		For Tempered Low-E Insulated Glass, Add	*202.84*	
08 52 16 00-0931	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,273.38	100.26
		For Tempered Low-E Insulated Glass, Add	*214.58*	
08 52 16 00-0932	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,369.01	105.27
		For Tempered Low-E Insulated Glass, Add	*231.69*	
08 52 16 00-0933		Horizontal Sliding Wood Clad Windows *(08 52 16)*		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0934		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0936	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	652.61	75.90
		For Tempered Clear Insulated Glass, Add	*100.45*	
08 52 16 00-0937		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0938	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	600.55	70.18
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0939	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	702.25	80.21
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0940		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0941	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	702.25	80.21
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0942	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	803.95	88.80
		For Tempered Clear Insulated Glass, Add	*125.56*	
08 52 16 00-0943	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	905.65	96.67
		For Tempered Clear Insulated Glass, Add	*142.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 52 16 00-0944	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,007.35	105.27
			For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0945			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
	08 52 16 00-0946	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	754.31	84.50
			For Tempered Clear Insulated Glass, Add	*117.35*	
	08 52 16 00-0947	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	853.59	93.09
			For Tempered Clear Insulated Glass, Add	*133.77*	
	08 52 16 00-0948	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	955.29	100.97
			For Tempered Clear Insulated Glass, Add	*150.67*	
	08 52 16 00-0949	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,141.49	109.56
			For Tempered Clear Insulated Glass, Add	*184.47*	
08 52 16 00-0950			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
	08 52 16 00-0951	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	803.95	88.80
			For Tempered Clear Insulated Glass, Add	*125.56*	
	08 52 16 00-0952	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	905.65	97.38
			For Tempered Clear Insulated Glass, Add	*142.46*	
	08 52 16 00-0953	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,007.35	105.27
			For Tempered Clear Insulated Glass, Add	*159.36*	
	08 52 16 00-0954	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,109.03	113.86
			For Tempered Clear Insulated Glass, Add	*176.26*	
08 52 16 00-0955			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
	08 52 16 00-0956	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	955.29	101.69
			For Tempered Clear Insulated Glass, Add	*150.67*	
	08 52 16 00-0957	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,056.98	109.56
			For Tempered Clear Insulated Glass, Add	*167.57*	
	08 52 16 00-0958	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,158.68	118.15
			For Tempered Clear Insulated Glass, Add	*184.47*	
08 52 16 00-0959			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
	08 52 16 00-0960	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,007.35	105.98
			For Tempered Clear Insulated Glass, Add	*159.36*	
	08 52 16 00-0961	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,109.03	113.86
			For Tempered Clear Insulated Glass, Add	*176.26*	
	08 52 16 00-0962	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,210.92	122.46
			For Tempered Clear Insulated Glass, Add	*193.20*	
08 52 16 00-0963			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0933)*		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
	08 52 16 00-0965	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,447.82	70.18
			For Tempered Low-E Insulated Glass, Add	*261.21*	
	08 52 16 00-0966	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,723.37	80.21
			For Tempered Low-E Insulated Glass, Add	*312.88*	
08 52 16 00-0967			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
	08 52 16 00-0968	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,745.10	80.21
			For Tempered Low-E Insulated Glass, Add	*317.23*	
	08 52 16 00-0969	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,023.07	88.80
			For Tempered Low-E Insulated Glass, Add	*369.38*	
	08 52 16 00-0970	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.62	96.67
			For Tempered Low-E Insulated Glass, Add	*421.05*	
	08 52 16 00-0971	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,574.17	105.27
			For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0972			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
	08 52 16 00-0973	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,884.09	84.50
			For Tempered Low-E Insulated Glass, Add	*343.30*	
	08 52 16 00-0974	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,159.63	93.09
			For Tempered Low-E Insulated Glass, Add	*394.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0975	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,437.60	100.97
		For Tempered Low-E Insulated Glass, Add	*447.13*	
08 52 16 00-0976	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,713.14	109.56
		For Tempered Low-E Insulated Glass, Add	*498.80*	
08 52 16 00-0977		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0978	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,023.07	88.80
		For Tempered Low-E Insulated Glass, Add	*369.38*	
08 52 16 00-0979	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.62	97.38
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0980	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,574.17	105.27
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0981	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,852.11	113.86
		For Tempered Low-E Insulated Glass, Add	*524.88*	
08 52 16 00-0982		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0983	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.62	97.38
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0984	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,574.17	105.98
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0985	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,852.11	113.86
		For Tempered Low-E Insulated Glass, Add	*524.88*	
08 52 16 00-0986	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	3,127.67	122.46
		For Tempered Low-E Insulated Glass, Add	*576.55*	
08 52 16 00-0987		Picture Wood Clad Windows *(08 52 16)*		
		Note: Picture windows are fixed windows.		
08 52 16 00-0988		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0987)*		
08 52 16 00-0989		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0988)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0990		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0991	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	513.00	57.29
		For Tempered Clear Insulated Glass, Add	*79.69*	
08 52 16 00-0992	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	599.94	63.02
		For Tempered Clear Insulated Glass, Add	*94.78*	
08 52 16 00-0993	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	637.26	65.88
		For Tempered Clear Insulated Glass, Add	*101.10*	
08 52 16 00-0994	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	691.16	71.61
		For Tempered Clear Insulated Glass, Add	*109.88*	
08 52 16 00-0995	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	728.17	74.47
		For Tempered Clear Insulated Glass, Add	*115.84*	
08 52 16 00-0996	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	782.07	80.21
		For Tempered Clear Insulated Glass, Add	*124.62*	
08 52 16 00-0997		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0998	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	570.20	70.18
		For Tempered Clear Insulated Glass, Add	*85.97*	
08 52 16 00-0999	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	658.59	74.47
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1000	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	788.89	79.49
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1001	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	873.86	82.35
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1002	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,000.76	87.36
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1003	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,089.13	90.94
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1004	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,612.22	95.95
		For Tempered Clear Insulated Glass, Add	*284.06*	
08 52 16 00-1005		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1006	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	658.59	74.47
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1007	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	746.97	77.34
		For Tempered Clear Insulated Glass, Add	*118.46*	
08 52 16 00-1008	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	877.28	83.07
		For Tempered Clear Insulated Glass, Add	*142.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1009	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	962.23	85.93
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1010	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,089.13	91.66
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1011	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.51	94.52
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1012	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,304.41	100.26
		For Tempered Clear Insulated Glass, Add	*221.07*	

08 52 16 00-1013 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1014	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	788.89	80.21
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1015	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	877.28	83.07
		For Tempered Clear Insulated Glass, Add	*142.23*	
08 52 16 00-1016	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,007.58	88.80
		For Tempered Clear Insulated Glass, Add	*166.00*	
08 52 16 00-1017	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,092.55	91.66
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1018	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,219.45	97.38
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1019	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,307.82	100.26
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1020	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,434.73	105.98
		For Tempered Clear Insulated Glass, Add	*244.84*	

08 52 16 00-1021 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1022	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	873.86	83.07
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1023	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	962.23	85.93
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1024	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,092.55	91.66
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1025	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.51	94.52
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1026	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,304.41	100.26
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1027	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,392.78	103.12
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1028	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,636.56	108.85
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1029 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1030	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,000.76	87.36
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1031	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,089.13	91.66
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1032	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,219.45	96.67
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1033	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,304.41	99.54
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1034	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,431.31	104.55
		For Tempered Clear Insulated Glass, Add	*244.44*	
08 52 16 00-1035	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,519.68	108.13
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1036	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,646.58	113.14
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1037 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1038	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,089.13	91.66
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1039	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.51	94.52
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1040	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,307.82	100.26
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1041	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,392.78	103.12
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1042	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,636.56	108.85
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1043 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1044	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,216.04	95.95
		For Tempered Clear Insulated Glass, Add	*204.82*	
08 52 16 00-1045	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,304.41	100.26
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1046	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,434.73	105.27
		For Tempered Clear Insulated Glass, Add	*244.84*	
08 52 16 00-1047	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,519.68	108.13
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1048	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,646.58	113.14
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1049 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0988)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-1050 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1051	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	606.46	57.29
		For Tempered Low-E Insulated Glass, Add	*98.38*	
08 52 16 00-1052	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	711.10	63.02
		For Tempered Low-E Insulated Glass, Add	*117.01*	
08 52 16 00-1053	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	755.84	65.88
		For Tempered Low-E Insulated Glass, Add	*124.82*	
08 52 16 00-1054	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	820.03	71.61
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1055	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	864.04	74.47
		For Tempered Low-E Insulated Glass, Add	*143.02*	
08 52 16 00-1056	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	928.23	80.21
		For Tempered Low-E Insulated Glass, Add	*153.85*	

08 52 16 00-1057 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	671.03	70.18
		For Tempered Low-E Insulated Glass, Add	*106.14*	
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	778.47	74.47
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.65	79.49
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1061	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,040.20	82.35
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,194.52	87.36
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.94	90.94
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,945.37	95.95
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1065 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	778.47	74.47
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	885.90	77.34
		For Tempered Low-E Insulated Glass, Add	*146.24*	
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,044.09	83.07
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,147.63	85.93
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.94	91.66
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,409.37	94.52
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.68	100.26
		For Tempered Low-E Insulated Glass, Add	*272.92*	

08 52 16 00-1073 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.65	80.21
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,044.09	83.07
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,202.27	88.80
		For Tempered Low-E Insulated Glass, Add	*204.94*	
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,305.82	91.66
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,460.14	97.38
		For Tempered Low-E Insulated Glass, Add	*253.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,567.56	100.26
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,721.88	105.98
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1081		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1082	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,040.20	83.07
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1083	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,147.63	85.93
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1084	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,305.82	91.66
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1085	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,409.37	94.52
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1086	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.68	100.26
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1087	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,671.11	103.12
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1088	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,969.71	108.85
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1089		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1090	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,194.52	87.36
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1091	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.94	91.66
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1092	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,460.14	96.67
		For Tempered Low-E Insulated Glass, Add	*253.36*	
08 52 16 00-1093	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.68	99.54
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1094	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,718.00	104.55
		For Tempered Low-E Insulated Glass, Add	*301.78*	
08 52 16 00-1095	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,825.43	108.13
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1096	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,979.73	113.14
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1097		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1098	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.94	91.66
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1099	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,409.37	94.52
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1100	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,567.56	100.26
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1101	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,671.11	103.12
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1102	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,969.71	108.85
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1103		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1104	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,456.26	95.95
		For Tempered Low-E Insulated Glass, Add	*252.87*	
08 52 16 00-1105	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.68	100.26
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1106	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,721.88	105.27
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1107	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,825.43	108.13
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1108	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,979.73	113.14
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1109		Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0987)*		
08 52 16 00-1110		Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1111		35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1112	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	731.59	89.51
		For Tempered Clear Insulated Glass, Add	*110.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1113	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1114		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1115	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1116	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1117		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1118	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	852.71	102.40
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1119	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	872.18	104.55
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1120		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1121	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	731.59	90.23
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1122	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	852.71	102.40
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1123		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1124	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1125	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	872.18	104.55
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1126	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1127	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	952.20	113.14
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1128		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1129	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	952.20	113.14
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1130		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1131	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1132		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1134	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	812.87	67.31
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1135	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,134.72	85.93
		For Tempered Low-E Insulated Glass, Add	*192.86*	
08 52 16 00-1136	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,183.78	88.08
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1137	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,257.38	92.37
		For Tempered Low-E Insulated Glass, Add	*214.53*	
08 52 16 00-1138	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,306.45	95.95
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1139	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.76	100.97
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1140	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,507.06	107.41
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1141		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1142	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	864.11	70.18
		For Tempered Low-E Insulated Glass, Add	*144.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1143	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,183.78	88.80
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1144	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,235.01	90.94
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1145	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,306.45	95.24
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1146	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,357.69	98.82
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1147	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.98	103.84
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1148	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.29	110.28
		For Tempered Low-E Insulated Glass, Add	*267.83*	

08 52 16 00-1149 56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1150	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	913.18	73.04
		For Tempered Low-E Insulated Glass, Add	*153.42*	
08 52 16 00-1151	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,235.01	91.66
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1152	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,284.09	93.81
		For Tempered Low-E Insulated Glass, Add	*219.29*	
08 52 16 00-1153	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,357.69	98.10
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1154	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.76	101.69
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1155	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,507.06	106.70
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1156	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,609.52	113.14
		For Tempered Low-E Insulated Glass, Add	*276.93*	

08 52 16 00-1157 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1158	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	964.41	75.90
		For Tempered Low-E Insulated Glass, Add	*162.52*	
08 52 16 00-1159	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,284.09	94.52
		For Tempered Low-E Insulated Glass, Add	*219.29*	
08 52 16 00-1160	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,335.32	96.67
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1161	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.76	100.97
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1162	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.98	104.55
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1163	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.29	109.56
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1164	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,658.59	116.00
		For Tempered Low-E Insulated Glass, Add	*285.60*	

08 52 16 00-1165 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1166	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,013.48	78.77
		For Tempered Low-E Insulated Glass, Add	*171.19*	
08 52 16 00-1167	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,335.32	97.38
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1168	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,386.55	99.54
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1169	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.98	103.84
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1170	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,507.06	107.41
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1171	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,609.52	112.43
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1172	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,709.83	118.87
		For Tempered Low-E Insulated Glass, Add	*294.70*	

08 52 16 00-1173 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1174	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,064.70	81.64
		For Tempered Low-E Insulated Glass, Add	*180.29*	
08 52 16 00-1175	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,386.55	100.26
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1176	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,435.62	102.40
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1177	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,507.06	106.70
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1178	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.29	110.28
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1179	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,658.59	115.29
		For Tempered Low-E Insulated Glass, Add	*285.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1180	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,758.89	121.74
		For Tempered Low-E Insulated Glass, Add	*303.37*	
08 52 16 00-1181		**72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,113.78	84.50
		For Tempered Low-E Insulated Glass, Add	*188.96*	
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,435.62	103.12
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,486.86	105.27
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.29	109.56
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,609.52	113.14
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,709.83	118.15
		For Tempered Low-E Insulated Glass, Add	*294.70*	
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,810.13	124.60
		For Tempered Low-E Insulated Glass, Add	*312.47*	
08 52 16 00-1189		**76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,165.02	87.36
		For Tempered Low-E Insulated Glass, Add	*198.06*	
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,486.86	105.98
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,535.92	108.13
		For Tempered Low-E Insulated Glass, Add	*263.93*	
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,609.52	112.43
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,658.59	116.00
		For Tempered Low-E Insulated Glass, Add	*285.60*	
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,758.89	121.01
		For Tempered Low-E Insulated Glass, Add	*303.37*	
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,859.20	127.47
		For Tempered Low-E Insulated Glass, Add	*321.14*	
08 52 16 00-1197		**Picture Wood Clad Windows For Horizontal Sliding Windows** *(08 52 16 00-0987)*		
08 52 16 00-1198		**Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1197)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1199		**35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1198)*		
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	731.59	89.51
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1202		**47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1198)*		
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1205		**53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1198)*		
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	852.71	102.40
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	872.18	104.55
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1208		**56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)** *(08 52 16 00-1198)*		
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	731.59	90.23
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	852.71	102.40
		For Tempered Clear Insulated Glass, Add	*129.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1211		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	751.06	91.66
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	872.18	104.55
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	952.20	113.14
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1216		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	952.20	113.14
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1218		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	911.11	108.85
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1220		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1220)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	388.22	57.29
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	408.78	57.29
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	426.86	57.29
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1226		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1227	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	53.47	
08 52 16 00-1228	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	78.80	
08 52 16 00-1229	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	106.94	
08 52 16 00-1230	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	135.08	
08 52 16 00-1231	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	191.37	
08 52 16 00-1232		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1233	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	85.55	
08 52 16 00-1234	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	126.08	
08 52 16 00-1235	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	171.10	
08 52 16 00-1236	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	216.13	
08 52 16 00-1237	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	306.18	
08 52 16 00-1238		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1239	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	102.66	
08 52 16 00-1240	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	151.29	
08 52 16 00-1241	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	205.32	
08 52 16 00-1242	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	259.36	
08 52 16 00-1243	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	367.42	
08 52 16 00-1244		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1245	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	123.21	
08 52 16 00-1246	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	181.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1247	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	246.38	
08 52 16 00-1248	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	311.22	
08 52 16 00-1249	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	440.90	

08 52 66 Wood Window Screens *(08 52)*

08 52 66 00-0001 Insect Screens For Wood Clad Windows *(08 52 66)*

08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	51.71	9.61
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	61.00	9.61
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	65.64	9.61
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	74.93	9.61
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	93.50	9.61
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	102.79	9.61
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	112.07	9.61
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	121.36	9.61
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.66	0.19

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	491.79	65.88
		For Colored Vinyl, Add	*36.00*	
		For Tinted Glass, Add	*43.20*	
		For Low-E Insulated Glass, Add	*90.01*	
		For Obscure Glass, Add	*99.01*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	517.58	68.74
		For Colored Vinyl, Add	*38.01*	
		For Tinted Glass, Add	*45.61*	
		For Low-E Insulated Glass, Add	*95.02*	
		For Obscure Glass, Add	*104.52*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.19	70.18
		For Colored Vinyl, Add	*38.78*	
		For Tinted Glass, Add	*46.54*	
		For Low-E Insulated Glass, Add	*96.96*	
		For Obscure Glass, Add	*106.66*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	539.82	71.61
		For Colored Vinyl, Add	*39.66*	
		For Tinted Glass, Add	*47.59*	
		For Low-E Insulated Glass, Add	*99.15*	
		For Obscure Glass, Add	*109.07*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	570.08	74.47
		For Colored Vinyl, Add	*42.11*	
		For Tinted Glass, Add	*50.54*	
		For Low-E Insulated Glass, Add	*105.28*	
		For Obscure Glass, Add	*115.81*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.62	80.21
		For Colored Vinyl, Add	*45.82*	
		For Tinted Glass, Add	*54.99*	
		For Low-E Insulated Glass, Add	*114.56*	
		For Obscure Glass, Add	*126.01*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	501.71	67.31
		For Colored Vinyl, Add	*36.71*	
		For Tinted Glass, Add	*44.05*	
		For Low-E Insulated Glass, Add	*91.77*	
		For Obscure Glass, Add	*100.95*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.51	68.74
		For Colored Vinyl, Add	*38.72*	
		For Tinted Glass, Add	*46.46*	
		For Low-E Insulated Glass, Add	*96.79*	
		For Obscure Glass, Add	*106.47*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	538.12	71.61
		For Colored Vinyl, Add	*39.49*	
		For Tinted Glass, Add	*47.39*	
		For Low-E Insulated Glass, Add	*98.73*	
		For Obscure Glass, Add	*108.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	549.76	73.04
		For Colored Vinyl, Add	*40.37*	
		For Tinted Glass, Add	*48.44*	
		For Low-E Insulated Glass, Add	*100.92*	
		For Obscure Glass, Add	*111.01*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	580.01	75.90
		For Colored Vinyl, Add	*42.82*	
		For Tinted Glass, Add	*51.38*	
		For Low-E Insulated Glass, Add	*107.05*	
		For Obscure Glass, Add	*117.76*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	628.54	81.64
		For Colored Vinyl, Add	*46.53*	
		For Tinted Glass, Add	*55.83*	
		For Low-E Insulated Glass, Add	*116.32*	
		For Obscure Glass, Add	*127.95*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.31	68.74
		For Colored Vinyl, Add	*37.38*	
		For Tinted Glass, Add	*44.86*	
		For Low-E Insulated Glass, Add	*93.46*	
		For Obscure Glass, Add	*102.80*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.11	71.61
		For Colored Vinyl, Add	*39.39*	
		For Tinted Glass, Add	*47.27*	
		For Low-E Insulated Glass, Add	*98.47*	
		For Obscure Glass, Add	*108.32*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	548.17	73.04
		For Colored Vinyl, Add	*40.21*	
		For Tinted Glass, Add	*48.25*	
		For Low-E Insulated Glass, Add	*100.52*	
		For Obscure Glass, Add	*110.57*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	559.79	74.47
		For Colored Vinyl, Add	*41.08*	
		For Tinted Glass, Add	*49.30*	
		For Low-E Insulated Glass, Add	*102.71*	
		For Obscure Glass, Add	*112.98*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	590.57	77.34
		For Colored Vinyl, Add	*43.59*	
		For Tinted Glass, Add	*52.31*	
		For Low-E Insulated Glass, Add	*108.97*	
		For Obscure Glass, Add	*119.87*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	639.79	83.07
		For Colored Vinyl, Add	*47.37*	
		For Tinted Glass, Add	*56.84*	
		For Low-E Insulated Glass, Add	*118.41*	
		For Obscure Glass, Add	*130.25*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	540.71	73.04
		For Colored Vinyl, Add	*39.46*	
		For Tinted Glass, Add	*47.35*	
		For Low-E Insulated Glass, Add	*98.66*	
		For Obscure Glass, Add	*108.52*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	566.50	75.90
		For Colored Vinyl, Add	*41.47*	
		For Tinted Glass, Add	*49.76*	
		For Low-E Insulated Glass, Add	*103.67*	
		For Obscure Glass, Add	*114.04*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	579.03	77.34
		For Colored Vinyl, Add	*42.44*	
		For Tinted Glass, Add	*50.92*	
		For Low-E Insulated Glass, Add	*106.09*	
		For Obscure Glass, Add	*116.70*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	590.66	78.77
		For Colored Vinyl, Add	*43.31*	
		For Tinted Glass, Add	*51.97*	
		For Low-E Insulated Glass, Add	*108.28*	
		For Obscure Glass, Add	*119.11*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	622.89	81.64
		For Colored Vinyl, Add	*45.96*	
		For Tinted Glass, Add	*55.16*	
		For Low-E Insulated Glass, Add	*114.91*	
		For Obscure Glass, Add	*126.40*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	673.98	87.36
		For Colored Vinyl, Add	*49.93*	
		For Tinted Glass, Add	*59.91*	
		For Low-E Insulated Glass, Add	*124.81*	
		For Obscure Glass, Add	*137.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0031		46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	550.64	74.47
		For Colored Vinyl, Add	*40.17*	
		For Tinted Glass, Add	*48.20*	
		For Low-E Insulated Glass, Add	*100.42*	
		For Obscure Glass, Add	*110.46*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	576.43	77.34
		For Colored Vinyl, Add	*42.18*	
		For Tinted Glass, Add	*50.61*	
		For Low-E Insulated Glass, Add	*105.44*	
		For Obscure Glass, Add	*115.98*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	589.41	78.77
		For Colored Vinyl, Add	*43.19*	
		For Tinted Glass, Add	*51.82*	
		For Low-E Insulated Glass, Add	*107.97*	
		For Obscure Glass, Add	*118.76*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	601.04	80.21
		For Colored Vinyl, Add	*44.06*	
		For Tinted Glass, Add	*52.88*	
		For Low-E Insulated Glass, Add	*110.16*	
		For Obscure Glass, Add	*121.18*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	633.74	83.07
		For Colored Vinyl, Add	*46.76*	
		For Tinted Glass, Add	*56.11*	
		For Low-E Insulated Glass, Add	*116.90*	
		For Obscure Glass, Add	*128.59*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	685.49	88.80
		For Colored Vinyl, Add	*50.79*	
		For Tinted Glass, Add	*60.95*	
		For Low-E Insulated Glass, Add	*126.98*	
		For Obscure Glass, Add	*139.67*	
08 53 13 00-0038		48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	560.68	75.90
		For Colored Vinyl, Add	*40.89*	
		For Tinted Glass, Add	*49.06*	
		For Low-E Insulated Glass, Add	*102.22*	
		For Obscure Glass, Add	*112.44*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	586.47	78.77
		For Colored Vinyl, Add	*42.89*	
		For Tinted Glass, Add	*51.47*	
		For Low-E Insulated Glass, Add	*107.23*	
		For Obscure Glass, Add	*117.96*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	599.90	80.21
		For Colored Vinyl, Add	*43.95*	
		For Tinted Glass, Add	*52.74*	
		For Low-E Insulated Glass, Add	*109.88*	
		For Obscure Glass, Add	*120.86*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	611.53	81.64
		For Colored Vinyl, Add	*44.83*	
		For Tinted Glass, Add	*53.79*	
		For Low-E Insulated Glass, Add	*112.07*	
		For Obscure Glass, Add	*123.27*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	644.74	84.50
		For Colored Vinyl, Add	*47.57*	
		For Tinted Glass, Add	*57.09*	
		For Low-E Insulated Glass, Add	*118.94*	
		For Obscure Glass, Add	*130.83*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	697.11	90.23
		For Colored Vinyl, Add	*51.67*	
		For Tinted Glass, Add	*62.00*	
		For Low-E Insulated Glass, Add	*129.17*	
		For Obscure Glass, Add	*142.08*	
08 53 13 00-0045		50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	570.27	77.34
		For Colored Vinyl, Add	*41.56*	
		For Tinted Glass, Add	*49.87*	
		For Low-E Insulated Glass, Add	*103.90*	
		For Obscure Glass, Add	*114.29*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	596.06	80.21
		For Colored Vinyl, Add	*43.57*	
		For Tinted Glass, Add	*52.28*	
		For Low-E Insulated Glass, Add	*108.92*	
		For Obscure Glass, Add	*119.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	610.00	81.64
		For Colored Vinyl, Add	*44.67*	
		For Tinted Glass, Add	*53.61*	
		For Low-E Insulated Glass, Add	*111.69*	
		For Obscure Glass, Add	*122.85*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	621.64	83.07
		For Colored Vinyl, Add	*45.55*	
		For Tinted Glass, Add	*54.66*	
		For Low-E Insulated Glass, Add	*113.88*	
		For Obscure Glass, Add	*125.26*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.29	85.93
		For Colored Vinyl, Add	*48.34*	
		For Tinted Glass, Add	*58.01*	
		For Low-E Insulated Glass, Add	*120.86*	
		For Obscure Glass, Add	*132.94*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	708.29	91.66
		For Colored Vinyl, Add	*52.50*	
		For Tinted Glass, Add	*63.00*	
		For Low-E Insulated Glass, Add	*131.24*	
		For Obscure Glass, Add	*144.37*	
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	579.92	78.77
		For Colored Vinyl, Add	*42.24*	
		For Tinted Glass, Add	*50.69*	
		For Low-E Insulated Glass, Add	*105.60*	
		For Obscure Glass, Add	*116.15*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	605.70	81.64
		For Colored Vinyl, Add	*44.24*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	620.17	83.07
		For Colored Vinyl, Add	*45.40*	
		For Tinted Glass, Add	*54.48*	
		For Low-E Insulated Glass, Add	*113.51*	
		For Obscure Glass, Add	*124.86*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	631.79	84.50
		For Colored Vinyl, Add	*46.28*	
		For Tinted Glass, Add	*55.53*	
		For Low-E Insulated Glass, Add	*115.70*	
		For Obscure Glass, Add	*127.27*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.96	87.36
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.95*	
		For Low-E Insulated Glass, Add	*122.81*	
		For Obscure Glass, Add	*135.09*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	719.58	93.09
		For Colored Vinyl, Add	*53.34*	
		For Tinted Glass, Add	*64.01*	
		For Low-E Insulated Glass, Add	*133.35*	
		For Obscure Glass, Add	*146.69*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	589.56	80.21
		For Colored Vinyl, Add	*42.92*	
		For Tinted Glass, Add	*51.50*	
		For Low-E Insulated Glass, Add	*107.29*	
		For Obscure Glass, Add	*118.02*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	615.37	83.07
		For Colored Vinyl, Add	*44.92*	
		For Tinted Glass, Add	*53.91*	
		For Low-E Insulated Glass, Add	*112.31*	
		For Obscure Glass, Add	*123.54*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	630.27	84.50
		For Colored Vinyl, Add	*46.13*	
		For Tinted Glass, Add	*55.35*	
		For Low-E Insulated Glass, Add	*115.32*	
		For Obscure Glass, Add	*126.85*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.89	85.93
		For Colored Vinyl, Add	*47.00*	
		For Tinted Glass, Add	*56.40*	
		For Low-E Insulated Glass, Add	*117.51*	
		For Obscure Glass, Add	*129.26*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	676.51	88.80
		For Colored Vinyl, Add	*49.89*	
		For Tinted Glass, Add	*59.87*	
		For Low-E Insulated Glass, Add	*124.73*	
		For Obscure Glass, Add	*137.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	730.76	94.52
		For Colored Vinyl, Add	*54.17*	
		For Tinted Glass, Add	*65.01*	
		For Low-E Insulated Glass, Add	*135.43*	
		For Obscure Glass, Add	*148.97*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	619.36	84.50
		For Colored Vinyl, Add	*45.04*	
		For Tinted Glass, Add	*54.04*	
		For Low-E Insulated Glass, Add	*112.59*	
		For Obscure Glass, Add	*123.85*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	645.16	87.36
		For Colored Vinyl, Add	*47.04*	
		For Tinted Glass, Add	*56.45*	
		For Low-E Insulated Glass, Add	*117.61*	
		For Obscure Glass, Add	*129.37*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	661.41	88.80
		For Colored Vinyl, Add	*48.38*	
		For Tinted Glass, Add	*58.06*	
		For Low-E Insulated Glass, Add	*120.96*	
		For Obscure Glass, Add	*133.05*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	673.03	90.23
		For Colored Vinyl, Add	*49.26*	
		For Tinted Glass, Add	*59.11*	
		For Low-E Insulated Glass, Add	*123.15*	
		For Obscure Glass, Add	*135.46*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	709.12	93.09
		For Colored Vinyl, Add	*52.29*	
		For Tinted Glass, Add	*62.75*	
		For Low-E Insulated Glass, Add	*130.74*	
		For Obscure Glass, Add	*143.81*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	765.29	98.82
		For Colored Vinyl, Add	*56.77*	
		For Tinted Glass, Add	*68.12*	
		For Low-E Insulated Glass, Add	*141.91*	
		For Obscure Glass, Add	*156.10*	
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	629.00	85.93
		For Colored Vinyl, Add	*45.71*	
		For Tinted Glass, Add	*54.86*	
		For Low-E Insulated Glass, Add	*114.29*	
		For Obscure Glass, Add	*125.71*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	654.80	88.80
		For Colored Vinyl, Add	*47.72*	
		For Tinted Glass, Add	*57.27*	
		For Low-E Insulated Glass, Add	*119.30*	
		For Obscure Glass, Add	*131.23*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	671.62	90.23
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.94*	
		For Low-E Insulated Glass, Add	*122.79*	
		For Obscure Glass, Add	*135.07*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	683.25	91.66
		For Colored Vinyl, Add	*49.99*	
		For Tinted Glass, Add	*59.99*	
		For Low-E Insulated Glass, Add	*124.98*	
		For Obscure Glass, Add	*137.48*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	719.79	94.52
		For Colored Vinyl, Add	*53.07*	
		For Tinted Glass, Add	*63.69*	
		For Low-E Insulated Glass, Add	*132.69*	
		For Obscure Glass, Add	*145.95*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	776.63	100.26
		For Colored Vinyl, Add	*57.61*	
		For Tinted Glass, Add	*69.14*	
		For Low-E Insulated Glass, Add	*144.03*	
		For Obscure Glass, Add	*158.44*	
08 53 13 00-0080		66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	648.64	88.80
		For Colored Vinyl, Add	*47.11*	
		For Tinted Glass, Add	*56.53*	
		For Low-E Insulated Glass, Add	*117.76*	
		For Obscure Glass, Add	*129.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	674.43	91.66
		For Colored Vinyl, Add	*49.11*	
		For Tinted Glass, Add	*58.93*	
		For Low-E Insulated Glass, Add	*122.78*	
		For Obscure Glass, Add	*135.06*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	692.16	93.09
		For Colored Vinyl, Add	*50.60*	
		For Tinted Glass, Add	*60.72*	
		For Low-E Insulated Glass, Add	*126.50*	
		For Obscure Glass, Add	*139.14*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	703.79	94.52
		For Colored Vinyl, Add	*51.47*	
		For Tinted Glass, Add	*61.77*	
		For Low-E Insulated Glass, Add	*128.69*	
		For Obscure Glass, Add	*141.55*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	741.35	97.38
		For Colored Vinyl, Add	*54.66*	
		For Tinted Glass, Add	*65.59*	
		For Low-E Insulated Glass, Add	*136.64*	
		For Obscure Glass, Add	*150.31*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	799.38	103.12
		For Colored Vinyl, Add	*59.32*	
		For Tinted Glass, Add	*71.18*	
		For Low-E Insulated Glass, Add	*148.29*	
		For Obscure Glass, Add	*163.12*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	678.42	93.09
		For Colored Vinyl, Add	*49.22*	
		For Tinted Glass, Add	*59.07*	
		For Low-E Insulated Glass, Add	*123.06*	
		For Obscure Glass, Add	*135.37*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	704.23	95.95
		For Colored Vinyl, Add	*51.23*	
		For Tinted Glass, Add	*61.48*	
		For Low-E Insulated Glass, Add	*128.08*	
		For Obscure Glass, Add	*140.89*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	721.96	97.38
		For Colored Vinyl, Add	*52.72*	
		For Tinted Glass, Add	*63.26*	
		For Low-E Insulated Glass, Add	*131.80*	
		For Obscure Glass, Add	*144.97*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	733.58	98.82
		For Colored Vinyl, Add	*53.59*	
		For Tinted Glass, Add	*64.31*	
		For Low-E Insulated Glass, Add	*133.99*	
		For Obscure Glass, Add	*147.38*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	771.14	101.69
		For Colored Vinyl, Add	*56.78*	
		For Tinted Glass, Add	*68.13*	
		For Low-E Insulated Glass, Add	*141.94*	
		For Obscure Glass, Add	*156.14*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	829.18	107.41
		For Colored Vinyl, Add	*61.44*	
		For Tinted Glass, Add	*73.72*	
		For Low-E Insulated Glass, Add	*153.59*	
		For Obscure Glass, Add	*168.95*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	728.10	75.19
		For Colored Vinyl, Add	*57.77*	
		For Tinted Glass, Add	*69.33*	
		For Low-E Insulated Glass, Add	*144.43*	
		For Obscure Glass, Add	*158.87*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	798.10	82.35
		For Colored Vinyl, Add	*63.34*	
		For Tinted Glass, Add	*76.01*	
		For Low-E Insulated Glass, Add	*158.35*	
		For Obscure Glass, Add	*174.19*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	862.44	89.51
		For Colored Vinyl, Add	*68.34*	
		For Tinted Glass, Add	*82.01*	
		For Low-E Insulated Glass, Add	*170.86*	
		For Obscure Glass, Add	*187.94*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	907.01	96.67
		For Colored Vinyl, Add	*71.37*	
		For Tinted Glass, Add	*85.64*	
		For Low-E Insulated Glass, Add	*178.42*	
		For Obscure Glass, Add	*196.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	953.83	103.84
		For Colored Vinyl, Add	*74.62*	
		For Tinted Glass, Add	*89.54*	
		For Low-E Insulated Glass, Add	*186.54*	
		For Obscure Glass, Add	*205.20*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	1,035.99	110.99
		For Colored Vinyl, Add	*81.40*	
		For Tinted Glass, Add	*97.68*	
		For Low-E Insulated Glass, Add	*203.50*	
		For Obscure Glass, Add	*223.85*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	8.65	0.93
		For Colored Vinyl, Add	*0.68*	
		For Tinted Glass, Add	*0.81*	
		For Low-E Insulated Glass, Add	*1.70*	
		For Obscure Glass, Add	*1.86*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	709.25	65.88
		For Colored Vinyl, Add	*57.75*	
		For Tinted Glass, Add	*69.30*	
		For Low-E Insulated Glass, Add	*144.37*	
		For Obscure Glass, Add	*158.81*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	735.05	68.74
		For Colored Vinyl, Add	*59.76*	
		For Tinted Glass, Add	*71.71*	
		For Low-E Insulated Glass, Add	*149.39*	
		For Obscure Glass, Add	*164.33*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	747.52	70.18
		For Colored Vinyl, Add	*60.72*	
		For Tinted Glass, Add	*72.86*	
		For Low-E Insulated Glass, Add	*151.79*	
		For Obscure Glass, Add	*166.97*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	759.15	71.61
		For Colored Vinyl, Add	*61.59*	
		For Tinted Glass, Add	*73.91*	
		For Low-E Insulated Glass, Add	*153.98*	
		For Obscure Glass, Add	*169.38*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	787.55	74.47
		For Colored Vinyl, Add	*63.86*	
		For Tinted Glass, Add	*76.63*	
		For Low-E Insulated Glass, Add	*159.65*	
		For Obscure Glass, Add	*175.62*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	833.65	80.21
		For Colored Vinyl, Add	*67.33*	
		For Tinted Glass, Add	*80.79*	
		For Low-E Insulated Glass, Add	*168.31*	
		For Obscure Glass, Add	*185.14*	

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	719.18	67.31
		For Colored Vinyl, Add	*58.46*	
		For Tinted Glass, Add	*70.15*	
		For Low-E Insulated Glass, Add	*146.14*	
		For Obscure Glass, Add	*160.75*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	744.97	70.18
		For Colored Vinyl, Add	*60.46*	
		For Tinted Glass, Add	*72.55*	
		For Low-E Insulated Glass, Add	*151.16*	
		For Obscure Glass, Add	*166.27*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	757.45	71.61
		For Colored Vinyl, Add	*61.42*	
		For Tinted Glass, Add	*73.71*	
		For Low-E Insulated Glass, Add	*153.56*	
		For Obscure Glass, Add	*168.91*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	769.08	73.04
		For Colored Vinyl, Add	*62.30*	
		For Tinted Glass, Add	*74.76*	
		For Low-E Insulated Glass, Add	*155.75*	
		For Obscure Glass, Add	*171.32*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	797.47	75.90
		For Colored Vinyl, Add	*64.57*	
		For Tinted Glass, Add	*77.48*	
		For Low-E Insulated Glass, Add	*161.42*	
		For Obscure Glass, Add	*177.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.57	81.64
		For Colored Vinyl, Add	*68.03*	
		For Tinted Glass, Add	*81.64*	
		For Low-E Insulated Glass, Add	*170.08*	
		For Obscure Glass, Add	*187.09*	
08 53 13 00-0118		38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	728.09	68.74
		For Colored Vinyl, Add	*59.06*	
		For Tinted Glass, Add	*70.87*	
		For Low-E Insulated Glass, Add	*147.65*	
		For Obscure Glass, Add	*162.42*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	753.89	71.61
		For Colored Vinyl, Add	*61.07*	
		For Tinted Glass, Add	*73.28*	
		For Low-E Insulated Glass, Add	*152.67*	
		For Obscure Glass, Add	*167.93*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	766.77	73.04
		For Colored Vinyl, Add	*62.07*	
		For Tinted Glass, Add	*74.48*	
		For Low-E Insulated Glass, Add	*155.17*	
		For Obscure Glass, Add	*170.69*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	778.39	74.47
		For Colored Vinyl, Add	*62.94*	
		For Tinted Glass, Add	*75.53*	
		For Low-E Insulated Glass, Add	*157.36*	
		For Obscure Glass, Add	*173.10*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	807.35	77.34
		For Colored Vinyl, Add	*65.27*	
		For Tinted Glass, Add	*78.32*	
		For Low-E Insulated Glass, Add	*163.17*	
		For Obscure Glass, Add	*179.48*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	854.03	83.07
		For Colored Vinyl, Add	*68.79*	
		For Tinted Glass, Add	*82.55*	
		For Low-E Insulated Glass, Add	*171.97*	
		For Obscure Glass, Add	*189.17*	
08 53 13 00-0125		44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	758.68	73.04
		For Colored Vinyl, Add	*61.26*	
		For Tinted Glass, Add	*73.51*	
		For Low-E Insulated Glass, Add	*153.15*	
		For Obscure Glass, Add	*168.46*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.47	75.90
		For Colored Vinyl, Add	*63.27*	
		For Tinted Glass, Add	*75.92*	
		For Low-E Insulated Glass, Add	*158.17*	
		For Obscure Glass, Add	*173.98*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	795.03	77.34
		For Colored Vinyl, Add	*64.04*	
		For Tinted Glass, Add	*76.84*	
		For Low-E Insulated Glass, Add	*160.09*	
		For Obscure Glass, Add	*176.10*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	806.65	78.77
		For Colored Vinyl, Add	*64.91*	
		For Tinted Glass, Add	*77.89*	
		For Low-E Insulated Glass, Add	*162.28*	
		For Obscure Glass, Add	*178.51*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	836.85	81.64
		For Colored Vinyl, Add	*67.36*	
		For Tinted Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*168.40*	
		For Obscure Glass, Add	*185.24*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	886.36	87.36
		For Colored Vinyl, Add	*71.16*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.91*	
		For Obscure Glass, Add	*195.70*	
08 53 13 00-0132		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	767.53	74.47
		For Colored Vinyl, Add	*61.86*	
		For Tinted Glass, Add	*74.23*	
		For Low-E Insulated Glass, Add	*154.65*	
		For Obscure Glass, Add	*170.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.33	77.34
		For Colored Vinyl, Add	*63.87*	
		For Tinted Glass, Add	*76.64*	
		For Low-E Insulated Glass, Add	*159.66*	
		For Obscure Glass, Add	*175.63*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	804.50	78.77
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.74*	
		For Obscure Glass, Add	*177.91*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	816.12	80.21
		For Colored Vinyl, Add	*65.57*	
		For Tinted Glass, Add	*78.69*	
		For Low-E Insulated Glass, Add	*163.93*	
		For Obscure Glass, Add	*180.32*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	846.74	83.07
		For Colored Vinyl, Add	*68.06*	
		For Tinted Glass, Add	*81.67*	
		For Low-E Insulated Glass, Add	*170.15*	
		For Obscure Glass, Add	*187.17*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	897.93	88.80
		For Colored Vinyl, Add	*72.03*	
		For Tinted Glass, Add	*86.44*	
		For Low-E Insulated Glass, Add	*180.09*	
		For Obscure Glass, Add	*198.09*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	776.50	75.90
		For Colored Vinyl, Add	*62.47*	
		For Tinted Glass, Add	*74.96*	
		For Low-E Insulated Glass, Add	*156.17*	
		For Obscure Glass, Add	*171.79*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	802.30	78.77
		For Colored Vinyl, Add	*64.48*	
		For Tinted Glass, Add	*77.37*	
		For Low-E Insulated Glass, Add	*161.19*	
		For Obscure Glass, Add	*177.31*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	813.81	80.21
		For Colored Vinyl, Add	*65.34*	
		For Tinted Glass, Add	*78.41*	
		For Low-E Insulated Glass, Add	*163.35*	
		For Obscure Glass, Add	*179.69*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	825.43	81.64
		For Colored Vinyl, Add	*66.22*	
		For Tinted Glass, Add	*79.46*	
		For Low-E Insulated Glass, Add	*165.54*	
		For Obscure Glass, Add	*182.10*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	856.61	84.50
		For Colored Vinyl, Add	*68.76*	
		For Tinted Glass, Add	*82.51*	
		For Low-E Insulated Glass, Add	*171.90*	
		For Obscure Glass, Add	*189.09*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	909.26	90.23
		For Colored Vinyl, Add	*72.88*	
		For Tinted Glass, Add	*87.46*	
		For Low-E Insulated Glass, Add	*182.20*	
		For Obscure Glass, Add	*200.42*	

08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	785.36	77.34
		For Colored Vinyl, Add	*63.07*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.67*	
		For Obscure Glass, Add	*173.44*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	811.15	80.21
		For Colored Vinyl, Add	*65.08*	
		For Tinted Glass, Add	*78.09*	
		For Low-E Insulated Glass, Add	*162.69*	
		For Obscure Glass, Add	*178.96*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	823.22	81.64
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	834.87	83.07
		For Colored Vinyl, Add	*66.87*	
		For Tinted Glass, Add	*80.25*	
		For Low-E Insulated Glass, Add	*167.18*	
		For Obscure Glass, Add	*183.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	866.47	85.93
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	920.78	91.66
		For Colored Vinyl, Add	*73.75*	
		For Tinted Glass, Add	*88.50*	
		For Low-E Insulated Glass, Add	*184.37*	
		For Obscure Glass, Add	*202.80*	
08 53 13 00-0153		52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	794.27	78.77
		For Colored Vinyl, Add	*63.67*	
		For Tinted Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*159.18*	
		For Obscure Glass, Add	*175.10*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	820.06	81.64
		For Colored Vinyl, Add	*65.68*	
		For Tinted Glass, Add	*78.82*	
		For Low-E Insulated Glass, Add	*164.20*	
		For Obscure Glass, Add	*180.62*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	832.55	83.07
		For Colored Vinyl, Add	*66.64*	
		For Tinted Glass, Add	*79.97*	
		For Low-E Insulated Glass, Add	*166.60*	
		For Obscure Glass, Add	*183.26*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	844.17	84.50
		For Colored Vinyl, Add	*67.52*	
		For Tinted Glass, Add	*81.02*	
		For Low-E Insulated Glass, Add	*168.79*	
		For Obscure Glass, Add	*185.67*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	877.32	87.36
		For Colored Vinyl, Add	*70.26*	
		For Tinted Glass, Add	*84.31*	
		For Low-E Insulated Glass, Add	*175.65*	
		For Obscure Glass, Add	*193.21*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	932.07	93.09
		For Colored Vinyl, Add	*74.59*	
		For Tinted Glass, Add	*89.51*	
		For Low-E Insulated Glass, Add	*186.47*	
		For Obscure Glass, Add	*205.12*	
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	803.24	80.21
		For Colored Vinyl, Add	*64.28*	
		For Tinted Glass, Add	*77.14*	
		For Low-E Insulated Glass, Add	*160.71*	
		For Obscure Glass, Add	*176.78*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	829.04	83.07
		For Colored Vinyl, Add	*66.29*	
		For Tinted Glass, Add	*79.55*	
		For Low-E Insulated Glass, Add	*165.73*	
		For Obscure Glass, Add	*182.30*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	842.02	84.50
		For Colored Vinyl, Add	*67.30*	
		For Tinted Glass, Add	*80.76*	
		For Low-E Insulated Glass, Add	*168.26*	
		For Obscure Glass, Add	*185.08*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	853.64	85.93
		For Colored Vinyl, Add	*68.18*	
		For Tinted Glass, Add	*81.81*	
		For Low-E Insulated Glass, Add	*170.45*	
		For Obscure Glass, Add	*187.49*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	888.15	88.80
		For Colored Vinyl, Add	*71.06*	
		For Tinted Glass, Add	*85.27*	
		For Low-E Insulated Glass, Add	*177.64*	
		For Obscure Glass, Add	*195.40*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	943.41	94.52
		For Colored Vinyl, Add	*75.44*	
		For Tinted Glass, Add	*90.52*	
		For Low-E Insulated Glass, Add	*188.59*	
		For Obscure Glass, Add	*207.45*	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	830.09	84.50
		For Colored Vinyl, Add	*66.11*	
		For Tinted Glass, Add	*79.33*	
		For Low-E Insulated Glass, Add	*165.27*	
		For Obscure Glass, Add	*181.80*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	855.89	87.36
		For Colored Vinyl, Add	*68.12*	
		For Tinted Glass, Add	*81.74*	
		For Low-E Insulated Glass, Add	*170.29*	
		For Obscure Glass, Add	*187.32*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	872.20	88.80
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	883.83	90.23
		For Colored Vinyl, Add	*70.34*	
		For Tinted Glass, Add	*84.41*	
		For Low-E Insulated Glass, Add	*175.85*	
		For Obscure Glass, Add	*193.43*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	920.48	93.09
		For Colored Vinyl, Add	*73.43*	
		For Tinted Glass, Add	*88.12*	
		For Low-E Insulated Glass, Add	*183.58*	
		For Obscure Glass, Add	*201.93*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	977.56	98.82
		For Colored Vinyl, Add	*77.99*	
		For Tinted Glass, Add	*93.59*	
		For Low-E Insulated Glass, Add	*194.98*	
		For Obscure Glass, Add	*214.48*	

08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	839.00	85.93
		For Colored Vinyl, Add	*66.71*	
		For Tinted Glass, Add	*80.06*	
		For Low-E Insulated Glass, Add	*166.79*	
		For Obscure Glass, Add	*183.46*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	864.80	88.80
		For Colored Vinyl, Add	*68.72*	
		For Tinted Glass, Add	*82.47*	
		For Low-E Insulated Glass, Add	*171.80*	
		For Obscure Glass, Add	*188.98*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	882.47	90.23
		For Colored Vinyl, Add	*70.20*	
		For Tinted Glass, Add	*84.24*	
		For Low-E Insulated Glass, Add	*175.51*	
		For Obscure Glass, Add	*193.06*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	894.10	91.66
		For Colored Vinyl, Add	*71.08*	
		For Tinted Glass, Add	*85.29*	
		For Low-E Insulated Glass, Add	*177.70*	
		For Obscure Glass, Add	*195.46*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	931.20	94.52
		For Colored Vinyl, Add	*74.22*	
		For Tinted Glass, Add	*89.06*	
		For Low-E Insulated Glass, Add	*185.54*	
		For Obscure Glass, Add	*204.09*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	990.03	100.26
		For Colored Vinyl, Add	*78.95*	
		For Tinted Glass, Add	*94.74*	
		For Low-E Insulated Glass, Add	*197.38*	
		For Obscure Glass, Add	*217.12*	

08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	858.86	88.80
		For Colored Vinyl, Add	*68.13*	
		For Tinted Glass, Add	*81.75*	
		For Low-E Insulated Glass, Add	*170.32*	
		For Obscure Glass, Add	*187.35*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	884.66	91.66
		For Colored Vinyl, Add	*70.13*	
		For Tinted Glass, Add	*84.16*	
		For Low-E Insulated Glass, Add	*175.34*	
		For Obscure Glass, Add	*192.87*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	903.07	93.09
		For Colored Vinyl, Add	*71.69*	
		For Tinted Glass, Add	*86.03*	
		For Low-E Insulated Glass, Add	*179.22*	
		For Obscure Glass, Add	*197.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	914.70	94.52
		For Colored Vinyl, Add	*72.57*	
		For Tinted Glass, Add	*87.08*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	952.88	97.38
		For Colored Vinyl, Add	*75.81*	
		For Tinted Glass, Add	*90.97*	
		For Low-E Insulated Glass, Add	*189.53*	
		For Obscure Glass, Add	*208.48*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	1,014.07	103.12
		For Colored Vinyl, Add	*80.78*	
		For Tinted Glass, Add	*96.94*	
		For Low-E Insulated Glass, Add	*201.96*	
		For Obscure Glass, Add	*222.16*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	888.65	93.09
		For Colored Vinyl, Add	*70.25*	
		For Tinted Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*175.62*	
		For Obscure Glass, Add	*193.18*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	914.46	95.95
		For Colored Vinyl, Add	*72.25*	
		For Tinted Glass, Add	*86.70*	
		For Low-E Insulated Glass, Add	*180.64*	
		For Obscure Glass, Add	*198.70*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	932.86	97.38
		For Colored Vinyl, Add	*73.81*	
		For Tinted Glass, Add	*88.57*	
		For Low-E Insulated Glass, Add	*184.52*	
		For Obscure Glass, Add	*202.97*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	944.49	98.82
		For Colored Vinyl, Add	*74.69*	
		For Tinted Glass, Add	*89.62*	
		For Low-E Insulated Glass, Add	*186.71*	
		For Obscure Glass, Add	*205.38*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	982.66	101.69
		For Colored Vinyl, Add	*77.93*	
		For Tinted Glass, Add	*93.51*	
		For Low-E Insulated Glass, Add	*194.82*	
		For Obscure Glass, Add	*214.30*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	1,043.87	107.41
		For Colored Vinyl, Add	*82.90*	
		For Tinted Glass, Add	*99.48*	
		For Low-E Insulated Glass, Add	*207.26*	
		For Obscure Glass, Add	*227.99*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	872.52	75.19
		For Colored Vinyl, Add	*72.21*	
		For Tinted Glass, Add	*86.66*	
		For Low-E Insulated Glass, Add	*180.54*	
		For Obscure Glass, Add	*198.59*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	962.31	82.35
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.40*	
		For Obscure Glass, Add	*219.34*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,046.44	89.51
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.86*	
		For Obscure Glass, Add	*238.54*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,106.84	96.67
		For Colored Vinyl, Add	*91.35*	
		For Tinted Glass, Add	*109.62*	
		For Low-E Insulated Glass, Add	*228.37*	
		For Obscure Glass, Add	*251.21*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,171.46	103.84
		For Colored Vinyl, Add	*96.38*	
		For Tinted Glass, Add	*115.66*	
		For Low-E Insulated Glass, Add	*240.95*	
		For Obscure Glass, Add	*265.05*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,273.41	110.99
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	10.63	0.93
		For Colored Vinyl, Add	*0.88*	
		For Tinted Glass, Add	*1.05*	
		For Low-E Insulated Glass, Add	*2.19*	
		For Obscure Glass, Add	*2.41*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	651.55	54.42
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.30*	
		For Low-E Insulated Glass, Add	*136.04*	
		For Obscure Glass, Add	*149.64*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	674.22	55.86
		For Colored Vinyl, Add	*56.25*	
		For Tinted Glass, Add	*67.50*	
		For Low-E Insulated Glass, Add	*140.63*	
		For Obscure Glass, Add	*154.69*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	698.32	58.72
		For Colored Vinyl, Add	*58.09*	
		For Tinted Glass, Add	*69.71*	
		For Low-E Insulated Glass, Add	*145.22*	
		For Obscure Glass, Add	*159.74*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	742.66	61.59
		For Colored Vinyl, Add	*61.95*	
		For Tinted Glass, Add	*74.34*	
		For Low-E Insulated Glass, Add	*154.87*	
		For Obscure Glass, Add	*170.36*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	691.48	57.29
		For Colored Vinyl, Add	*57.83*	
		For Tinted Glass, Add	*69.40*	
		For Low-E Insulated Glass, Add	*144.59*	
		For Obscure Glass, Add	*159.04*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	716.24	58.72
		For Colored Vinyl, Add	*59.88*	
		For Tinted Glass, Add	*71.86*	
		For Low-E Insulated Glass, Add	*149.70*	
		For Obscure Glass, Add	*164.67*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	742.38	61.59
		For Colored Vinyl, Add	*61.92*	
		For Tinted Glass, Add	*74.31*	
		For Low-E Insulated Glass, Add	*154.80*	
		For Obscure Glass, Add	*170.28*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	789.20	64.45
		For Colored Vinyl, Add	*66.03*	
		For Tinted Glass, Add	*79.24*	
		For Low-E Insulated Glass, Add	*165.08*	
		For Obscure Glass, Add	*181.58*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	738.25	61.59
		For Colored Vinyl, Add	*61.51*	
		For Tinted Glass, Add	*73.81*	
		For Low-E Insulated Glass, Add	*153.77*	
		For Obscure Glass, Add	*169.15*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	764.03	64.45
		For Colored Vinyl, Add	*63.66*	
		For Tinted Glass, Add	*76.39*	
		For Low-E Insulated Glass, Add	*159.14*	
		For Obscure Glass, Add	*175.05*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	791.29	66.60
		For Colored Vinyl, Add	*65.81*	
		For Tinted Glass, Add	*78.97*	
		For Low-E Insulated Glass, Add	*164.53*	
		For Obscure Glass, Add	*180.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	840.09	69.46
		For Colored Vinyl, Add	*70.12*	
		For Tinted Glass, Add	*84.14*	
		For Low-E Insulated Glass, Add	*175.29*	
		For Obscure Glass, Add	*192.82*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	780.85	65.88
		For Colored Vinyl, Add	*65.05*	
		For Tinted Glass, Add	*78.06*	
		For Low-E Insulated Glass, Add	*162.63*	
		For Obscure Glass, Add	*178.89*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	808.09	67.31
		For Colored Vinyl, Add	*67.35*	
		For Tinted Glass, Add	*80.82*	
		For Low-E Insulated Glass, Add	*168.37*	
		For Obscure Glass, Add	*185.20*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	836.77	70.18
		For Colored Vinyl, Add	*69.64*	
		For Tinted Glass, Add	*83.57*	
		For Low-E Insulated Glass, Add	*174.11*	
		For Obscure Glass, Add	*191.52*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	889.66	73.04
		For Colored Vinyl, Add	*74.36*	
		For Tinted Glass, Add	*89.23*	
		For Low-E Insulated Glass, Add	*185.89*	
		For Obscure Glass, Add	*204.48*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	828.09	71.61
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	856.59	73.04
		For Colored Vinyl, Add	*71.05*	
		For Tinted Glass, Add	*85.26*	
		For Low-E Insulated Glass, Add	*177.63*	
		For Obscure Glass, Add	*195.39*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	886.56	75.90
		For Colored Vinyl, Add	*73.48*	
		For Tinted Glass, Add	*88.17*	
		For Low-E Insulated Glass, Add	*183.69*	
		For Obscure Glass, Add	*202.06*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	944.80	78.77
		For Colored Vinyl, Add	*78.73*	
		For Tinted Glass, Add	*94.47*	
		For Low-E Insulated Glass, Add	*196.82*	
		For Obscure Glass, Add	*216.50*	

08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	869.44	74.47
		For Colored Vinyl, Add	*72.19*	
		For Tinted Glass, Add	*86.63*	
		For Low-E Insulated Glass, Add	*180.48*	
		For Obscure Glass, Add	*198.53*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	899.62	75.90
		For Colored Vinyl, Add	*74.78*	
		For Tinted Glass, Add	*89.74*	
		For Low-E Insulated Glass, Add	*186.95*	
		For Obscure Glass, Add	*205.65*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	931.18	78.77
		For Colored Vinyl, Add	*77.36*	
		For Tinted Glass, Add	*92.84*	
		For Low-E Insulated Glass, Add	*193.41*	
		For Obscure Glass, Add	*212.75*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	990.43	81.64
		For Colored Vinyl, Add	*82.72*	
		For Tinted Glass, Add	*99.26*	
		For Low-E Insulated Glass, Add	*206.79*	
		For Obscure Glass, Add	*227.47*	

08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	915.07	78.77
		For Colored Vinyl, Add	*75.75*	
		For Tinted Glass, Add	*90.90*	
		For Low-E Insulated Glass, Add	*189.38*	
		For Obscure Glass, Add	*208.32*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	946.89	81.64
		For Colored Vinyl, Add	*78.51*	
		For Tinted Glass, Add	*94.21*	
		For Low-E Insulated Glass, Add	*196.27*	
		For Obscure Glass, Add	*215.89*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	980.16	83.78
		For Colored Vinyl, Add	*81.26*	
		For Tinted Glass, Add	*97.51*	
		For Low-E Insulated Glass, Add	*203.15*	
		For Obscure Glass, Add	*223.46*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,040.38	86.65
		For Colored Vinyl, Add	*86.71*	
		For Tinted Glass, Add	*104.05*	
		For Low-E Insulated Glass, Add	*216.77*	
		For Obscure Glass, Add	*238.45*	

08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	957.00	83.07
		For Colored Vinyl, Add	*79.23*	
		For Tinted Glass, Add	*95.08*	
		For Low-E Insulated Glass, Add	*198.08*	
		For Obscure Glass, Add	*217.88*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	989.67	84.50
		For Colored Vinyl, Add	*82.07*	
		For Tinted Glass, Add	*98.48*	
		For Low-E Insulated Glass, Add	*205.17*	
		For Obscure Glass, Add	*225.68*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,025.19	87.36
		For Colored Vinyl, Add	*85.05*	
		For Tinted Glass, Add	*102.06*	
		For Low-E Insulated Glass, Add	*212.62*	
		For Obscure Glass, Add	*233.88*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,083.99	90.23
		For Colored Vinyl, Add	*90.35*	
		For Tinted Glass, Add	*108.42*	
		For Low-E Insulated Glass, Add	*225.89*	
		For Obscure Glass, Add	*248.47*	

08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,008.12	87.36
		For Colored Vinyl, Add	*83.34*	
		For Tinted Glass, Add	*100.01*	
		For Low-E Insulated Glass, Add	*208.35*	
		For Obscure Glass, Add	*229.18*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,042.54	90.23
		For Colored Vinyl, Add	*86.35*	
		For Tinted Glass, Add	*103.62*	
		For Low-E Insulated Glass, Add	*215.88*	
		For Obscure Glass, Add	*237.47*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,076.48	92.37
		For Colored Vinyl, Add	*89.17*	
		For Tinted Glass, Add	*107.01*	
		For Low-E Insulated Glass, Add	*222.93*	
		For Obscure Glass, Add	*245.23*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,134.55	95.24
		For Colored Vinyl, Add	*94.41*	
		For Tinted Glass, Add	*113.29*	
		For Low-E Insulated Glass, Add	*236.02*	
		For Obscure Glass, Add	*259.62*	

08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,327.47	73.04
		For Colored Vinyl, Add	*118.14*	
		For Tinted Glass, Add	*141.77*	
		For Low-E Insulated Glass, Add	*295.35*	
		For Obscure Glass, Add	*324.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,374.57	78.77
		For Colored Vinyl, Add	*121.85*	
		For Tinted Glass, Add	*146.22*	
		For Low-E Insulated Glass, Add	*304.62*	
		For Obscure Glass, Add	*335.08*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,423.17	84.50
		For Colored Vinyl, Add	*125.56*	
		For Tinted Glass, Add	*150.67*	
		For Low-E Insulated Glass, Add	*313.90*	
		For Obscure Glass, Add	*345.29*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,478.65	89.51
		For Colored Vinyl, Add	*129.96*	
		For Tinted Glass, Add	*155.96*	
		For Low-E Insulated Glass, Add	*324.91*	
		For Obscure Glass, Add	*357.40*	

08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,406.07	76.62
		For Colored Vinyl, Add	*125.28*	
		For Tinted Glass, Add	*150.34*	
		For Low-E Insulated Glass, Add	*313.21*	
		For Obscure Glass, Add	*344.53*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,456.22	81.64
		For Colored Vinyl, Add	*129.30*	
		For Tinted Glass, Add	*155.16*	
		For Low-E Insulated Glass, Add	*323.24*	
		For Obscure Glass, Add	*355.56*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,507.88	87.36
		For Colored Vinyl, Add	*133.32*	
		For Tinted Glass, Add	*159.98*	
		For Low-E Insulated Glass, Add	*333.29*	
		For Obscure Glass, Add	*366.62*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,561.50	93.09
		For Colored Vinyl, Add	*137.53*	
		For Tinted Glass, Add	*165.04*	
		For Low-E Insulated Glass, Add	*343.83*	
		For Obscure Glass, Add	*378.21*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,490.39	82.35
		For Colored Vinyl, Add	*132.57*	
		For Tinted Glass, Add	*159.08*	
		For Low-E Insulated Glass, Add	*331.42*	
		For Obscure Glass, Add	*364.56*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,542.76	87.36
		For Colored Vinyl, Add	*136.80*	
		For Tinted Glass, Add	*164.16*	
		For Low-E Insulated Glass, Add	*342.01*	
		For Obscure Glass, Add	*376.21*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,596.61	93.09
		For Colored Vinyl, Add	*141.04*	
		For Tinted Glass, Add	*169.25*	
		For Low-E Insulated Glass, Add	*352.61*	
		For Obscure Glass, Add	*387.87*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,655.38	98.82
		For Colored Vinyl, Add	*145.77*	
		For Tinted Glass, Add	*174.93*	
		For Low-E Insulated Glass, Add	*364.44*	
		For Obscure Glass, Add	*400.88*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,568.82	85.22
		For Colored Vinyl, Add	*139.84*	
		For Tinted Glass, Add	*167.81*	
		For Low-E Insulated Glass, Add	*349.60*	
		For Obscure Glass, Add	*384.56*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,624.12	90.23
		For Colored Vinyl, Add	*144.37*	
		For Tinted Glass, Add	*173.24*	
		For Low-E Insulated Glass, Add	*360.92*	
		For Obscure Glass, Add	*397.01*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,680.86	95.95
		For Colored Vinyl, Add	*148.89*	
		For Tinted Glass, Add	*178.67*	
		For Low-E Insulated Glass, Add	*372.24*	
		For Obscure Glass, Add	*409.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,740.65	101.69
		For Colored Vinyl, Add	*153.73*	
		For Tinted Glass, Add	*184.47*	
		For Low-E Insulated Glass, Add	*384.32*	
		For Obscure Glass, Add	*422.75*	
08 53 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,651.53	90.23
		For Colored Vinyl, Add	*147.11*	
		For Tinted Glass, Add	*176.53*	
		For Low-E Insulated Glass, Add	*367.77*	
		For Obscure Glass, Add	*404.55*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,709.78	95.95
		For Colored Vinyl, Add	*151.93*	
		For Tinted Glass, Add	*182.32*	
		For Low-E Insulated Glass, Add	*379.83*	
		For Obscure Glass, Add	*417.81*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,769.40	101.69
		For Colored Vinyl, Add	*156.75*	
		For Tinted Glass, Add	*188.10*	
		For Low-E Insulated Glass, Add	*391.87*	
		For Obscure Glass, Add	*431.05*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,830.15	106.70
		For Colored Vinyl, Add	*161.68*	
		For Tinted Glass, Add	*194.01*	
		For Low-E Insulated Glass, Add	*404.19*	
		For Obscure Glass, Add	*444.61*	
08 53 13 00-0277		64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,733.77	93.81
		For Colored Vinyl, Add	*154.62*	
		For Tinted Glass, Add	*185.54*	
		For Low-E Insulated Glass, Add	*386.54*	
		For Obscure Glass, Add	*425.19*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,792.01	98.82
		For Colored Vinyl, Add	*159.44*	
		For Tinted Glass, Add	*191.32*	
		For Low-E Insulated Glass, Add	*398.59*	
		For Obscure Glass, Add	*438.45*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,851.41	104.55
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.08*	
		For Low-E Insulated Glass, Add	*410.58*	
		For Obscure Glass, Add	*451.64*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,912.38	110.28
		For Colored Vinyl, Add	*169.18*	
		For Tinted Glass, Add	*203.02*	
		For Low-E Insulated Glass, Add	*422.96*	
		For Obscure Glass, Add	*465.25*	
08 53 13 00-0282		72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,823.72	98.82
		For Colored Vinyl, Add	*162.61*	
		For Tinted Glass, Add	*195.13*	
		For Low-E Insulated Glass, Add	*406.52*	
		For Obscure Glass, Add	*447.17*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,881.96	104.55
		For Colored Vinyl, Add	*167.43*	
		For Tinted Glass, Add	*200.92*	
		For Low-E Insulated Glass, Add	*418.58*	
		For Obscure Glass, Add	*460.43*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,941.64	110.28
		For Colored Vinyl, Add	*172.25*	
		For Tinted Glass, Add	*206.70*	
		For Low-E Insulated Glass, Add	*430.63*	
		For Obscure Glass, Add	*473.69*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,002.39	115.29
		For Colored Vinyl, Add	*177.18*	
		For Tinted Glass, Add	*212.62*	
		For Low-E Insulated Glass, Add	*442.95*	
		For Obscure Glass, Add	*487.25*	
08 53 13 00-0287		Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,636.86	93.09
		For Colored Vinyl, Add	*145.07*	
		For Tinted Glass, Add	*174.08*	
		For Low-E Insulated Glass, Add	*362.67*	
		For Obscure Glass, Add	*398.94*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,712.28	100.26
		For Colored Vinyl, Add	*151.18*	
		For Tinted Glass, Add	*181.41*	
		For Low-E Insulated Glass, Add	*377.95*	
		For Obscure Glass, Add	*415.74*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,848.75	110.99
		For Colored Vinyl, Add	*162.68*	
		For Tinted Glass, Add	*195.21*	
		For Low-E Insulated Glass, Add	*406.69*	
		For Obscure Glass, Add	*447.36*	

08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,745.95	97.38
		For Colored Vinyl, Add	*155.26*	
		For Tinted Glass, Add	*186.31*	
		For Low-E Insulated Glass, Add	*388.15*	
		For Obscure Glass, Add	*426.97*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,821.98	103.84
		For Colored Vinyl, Add	*161.43*	
		For Tinted Glass, Add	*193.72*	
		For Low-E Insulated Glass, Add	*403.58*	
		For Obscure Glass, Add	*443.94*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,966.70	114.57
		For Colored Vinyl, Add	*173.76*	
		For Tinted Glass, Add	*208.51*	
		For Low-E Insulated Glass, Add	*434.39*	
		For Obscure Glass, Add	*477.83*	

08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,846.16	103.12
		For Colored Vinyl, Add	*163.99*	
		For Tinted Glass, Add	*196.79*	
		For Low-E Insulated Glass, Add	*409.98*	
		For Obscure Glass, Add	*450.98*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,937.46	109.56
		For Colored Vinyl, Add	*171.83*	
		For Tinted Glass, Add	*206.20*	
		For Low-E Insulated Glass, Add	*429.59*	
		For Obscure Glass, Add	*472.54*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,089.24	120.30
		For Colored Vinyl, Add	*184.86*	
		For Tinted Glass, Add	*221.84*	
		For Low-E Insulated Glass, Add	*462.16*	
		For Obscure Glass, Add	*508.37*	

08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,950.32	105.98
		For Colored Vinyl, Add	*173.84*	
		For Tinted Glass, Add	*208.60*	
		For Low-E Insulated Glass, Add	*434.59*	
		For Obscure Glass, Add	*478.05*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,047.33	113.14
		For Colored Vinyl, Add	*182.11*	
		For Tinted Glass, Add	*218.53*	
		For Low-E Insulated Glass, Add	*455.26*	
		For Obscure Glass, Add	*500.79*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,222.38	123.17
		For Colored Vinyl, Add	*197.61*	
		For Tinted Glass, Add	*237.13*	
		For Low-E Insulated Glass, Add	*494.01*	
		For Obscure Glass, Add	*543.41*	

08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,058.69	110.99
		For Colored Vinyl, Add	*183.67*	
		For Tinted Glass, Add	*220.40*	
		For Low-E Insulated Glass, Add	*459.18*	
		For Obscure Glass, Add	*505.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,160.01	118.15
		For Colored Vinyl, Add	*192.37*	
		For Tinted Glass, Add	*230.84*	
		For Low-E Insulated Glass, Add	*480.93*	
		For Obscure Glass, Add	*529.02*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,359.82	128.18
		For Colored Vinyl, Add	*210.35*	
		For Tinted Glass, Add	*252.42*	
		For Low-E Insulated Glass, Add	*525.87*	
		For Obscure Glass, Add	*578.45*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,176.99	114.57
		For Colored Vinyl, Add	*194.78*	
		For Tinted Glass, Add	*233.74*	
		For Low-E Insulated Glass, Add	*486.96*	
		For Obscure Glass, Add	*535.66*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,278.25	121.74
		For Colored Vinyl, Add	*203.48*	
		For Tinted Glass, Add	*244.17*	
		For Low-E Insulated Glass, Add	*508.70*	
		For Obscure Glass, Add	*559.56*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,478.06	131.76
		For Colored Vinyl, Add	*221.45*	
		For Tinted Glass, Add	*265.74*	
		For Low-E Insulated Glass, Add	*553.64*	
		For Obscure Glass, Add	*609.00*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,298.38	119.58
		For Colored Vinyl, Add	*205.92*	
		For Tinted Glass, Add	*247.10*	
		For Low-E Insulated Glass, Add	*514.80*	
		For Obscure Glass, Add	*566.28*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,399.64	126.75
		For Colored Vinyl, Add	*214.61*	
		For Tinted Glass, Add	*257.54*	
		For Low-E Insulated Glass, Add	*536.54*	
		For Obscure Glass, Add	*590.19*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,599.44	136.77
		For Colored Vinyl, Add	*232.59*	
		For Tinted Glass, Add	*279.11*	
		For Low-E Insulated Glass, Add	*581.48*	
		For Obscure Glass, Add	*639.62*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	840.77	60.87
		For Colored Vinyl, Add	*71.90*	
		For Tinted Glass, Add	*86.28*	
		For Low-E Insulated Glass, Add	*179.76*	
		For Obscure Glass, Add	*197.73*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	955.15	68.03
		For Colored Vinyl, Add	*81.91*	
		For Tinted Glass, Add	*98.29*	
		For Low-E Insulated Glass, Add	*204.77*	
		For Obscure Glass, Add	*225.25*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,058.22	75.19
		For Colored Vinyl, Add	*90.78*	
		For Tinted Glass, Add	*108.94*	
		For Low-E Insulated Glass, Add	*226.96*	
		For Obscure Glass, Add	*249.66*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,149.98	82.35
		For Colored Vinyl, Add	*98.53*	
		For Tinted Glass, Add	*118.23*	
		For Low-E Insulated Glass, Add	*246.32*	
		For Obscure Glass, Add	*270.95*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,230.44	89.51
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,278.12	96.67
		For Colored Vinyl, Add	*108.48*	
		For Tinted Glass, Add	*130.17*	
		For Low-E Insulated Glass, Add	*271.19*	
		For Obscure Glass, Add	*298.31*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	12.61	0.93
		For Colored Vinyl, Add	*1.07*	
		For Tinted Glass, Add	*1.29*	
		For Low-E Insulated Glass, Add	*2.69*	
		For Obscure Glass, Add	*2.95*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,408.97	75.19
		For Colored Vinyl, Add	*125.86*	
		For Tinted Glass, Add	*151.03*	
		For Low-E Insulated Glass, Add	*314.65*	
		For Obscure Glass, Add	*346.11*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,548.79	82.35
		For Colored Vinyl, Add	*138.41*	
		For Tinted Glass, Add	*166.09*	
		For Low-E Insulated Glass, Add	*346.02*	
		For Obscure Glass, Add	*380.62*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,677.29	89.51
		For Colored Vinyl, Add	*149.83*	
		For Tinted Glass, Add	*179.79*	
		For Low-E Insulated Glass, Add	*374.57*	
		For Obscure Glass, Add	*412.02*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,763.41	96.67
		For Colored Vinyl, Add	*157.01*	
		For Tinted Glass, Add	*188.41*	
		For Low-E Insulated Glass, Add	*392.52*	
		For Obscure Glass, Add	*431.77*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,855.45	103.84
		For Colored Vinyl, Add	*164.78*	
		For Tinted Glass, Add	*197.73*	
		For Low-E Insulated Glass, Add	*411.95*	
		For Obscure Glass, Add	*453.14*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,951.74	110.99
		For Colored Vinyl, Add	*172.98*	
		For Tinted Glass, Add	*207.57*	
		For Low-E Insulated Glass, Add	*432.44*	
		For Obscure Glass, Add	*475.68*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	16.28	0.93
		For Colored Vinyl, Add	*1.44*	
		For Tinted Glass, Add	*1.73*	
		For Low-E Insulated Glass, Add	*3.60*	
		For Obscure Glass, Add	*3.96*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,470.87	75.19
		For Colored Vinyl, Add	*132.05*	
		For Tinted Glass, Add	*158.46*	
		For Low-E Insulated Glass, Add	*330.12*	
		For Obscure Glass, Add	*363.13*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,617.47	82.35
		For Colored Vinyl, Add	*145.28*	
		For Tinted Glass, Add	*174.33*	
		For Low-E Insulated Glass, Add	*363.19*	
		For Obscure Glass, Add	*399.51*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,756.15	89.51
		For Colored Vinyl, Add	*157.71*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.28*	
		For Obscure Glass, Add	*433.71*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,849.05	96.67
		For Colored Vinyl, Add	*165.57*	
		For Tinted Glass, Add	*198.68*	
		For Low-E Insulated Glass, Add	*413.93*	
		For Obscure Glass, Add	*455.32*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,948.72	103.84
		For Colored Vinyl, Add	*174.11*	
		For Tinted Glass, Add	*208.93*	
		For Low-E Insulated Glass, Add	*435.27*	
		For Obscure Glass, Add	*478.79*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	2,053.49	110.99
		For Colored Vinyl, Add	*183.15*	
		For Tinted Glass, Add	*219.78*	
		For Low-E Insulated Glass, Add	*457.88*	
		For Obscure Glass, Add	*503.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	17.13	0.93
		For Colored Vinyl, Add	*1.53*	
		For Tinted Glass, Add	*1.83*	
		For Low-E Insulated Glass, Add	*3.82*	
		For Obscure Glass, Add	*4.20*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	847.61	58.72
		For Colored Vinyl, Add	*73.02*	
		For Tinted Glass, Add	*87.62*	
		For Low-E Insulated Glass, Add	*182.54*	
		For Obscure Glass, Add	*200.80*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	887.26	61.59
		For Colored Vinyl, Add	*76.41*	
		For Tinted Glass, Add	*91.69*	
		For Low-E Insulated Glass, Add	*191.02*	
		For Obscure Glass, Add	*210.12*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	948.15	66.60
		For Colored Vinyl, Add	*81.50*	
		For Tinted Glass, Add	*97.80*	
		For Low-E Insulated Glass, Add	*203.74*	
		For Obscure Glass, Add	*224.11*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	987.31	70.18
		For Colored Vinyl, Add	*84.70*	
		For Tinted Glass, Add	*101.64*	
		For Low-E Insulated Glass, Add	*211.74*	
		For Obscure Glass, Add	*232.91*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,051.56	75.90
		For Colored Vinyl, Add	*89.98*	
		For Tinted Glass, Add	*107.97*	
		For Low-E Insulated Glass, Add	*224.94*	
		For Obscure Glass, Add	*247.43*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	894.31	61.59
		For Colored Vinyl, Add	*77.26*	
		For Tinted Glass, Add	*92.71*	
		For Low-E Insulated Glass, Add	*193.14*	
		For Obscure Glass, Add	*212.46*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	933.95	64.45
		For Colored Vinyl, Add	*80.65*	
		For Tinted Glass, Add	*96.78*	
		For Low-E Insulated Glass, Add	*201.62*	
		For Obscure Glass, Add	*221.78*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	999.54	68.74
		For Colored Vinyl, Add	*86.21*	
		For Tinted Glass, Add	*103.45*	
		For Low-E Insulated Glass, Add	*215.51*	
		For Obscure Glass, Add	*237.06*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,038.75	73.04
		For Colored Vinyl, Add	*89.41*	
		For Tinted Glass, Add	*107.29*	
		For Low-E Insulated Glass, Add	*223.53*	
		For Obscure Glass, Add	*245.88*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,107.64	78.06
		For Colored Vinyl, Add	*95.15*	
		For Tinted Glass, Add	*114.18*	
		For Low-E Insulated Glass, Add	*237.88*	
		For Obscure Glass, Add	*261.67*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	923.55	64.45
		For Colored Vinyl, Add	*79.61*	
		For Tinted Glass, Add	*95.53*	
		For Low-E Insulated Glass, Add	*199.02*	
		For Obscure Glass, Add	*218.92*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	963.19	67.31
		For Colored Vinyl, Add	*83.00*	
		For Tinted Glass, Add	*99.60*	
		For Low-E Insulated Glass, Add	*207.50*	
		For Obscure Glass, Add	*228.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,031.16	71.61
		For Colored Vinyl, Add	*88.79*	
		For Tinted Glass, Add	*106.55*	
		For Low-E Insulated Glass, Add	*221.99*	
		For Obscure Glass, Add	*244.18*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,074.16	75.90
		For Colored Vinyl, Add	*92.38*	
		For Tinted Glass, Add	*110.85*	
		For Low-E Insulated Glass, Add	*230.95*	
		For Obscure Glass, Add	*254.04*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,144.00	80.92
		For Colored Vinyl, Add	*98.22*	
		For Tinted Glass, Add	*117.86*	
		For Low-E Insulated Glass, Add	*245.54*	
		For Obscure Glass, Add	*270.10*	

08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	952.84	67.31
		For Colored Vinyl, Add	*81.97*	
		For Tinted Glass, Add	*98.36*	
		For Low-E Insulated Glass, Add	*204.91*	
		For Obscure Glass, Add	*225.40*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	992.49	70.18
		For Colored Vinyl, Add	*85.36*	
		For Tinted Glass, Add	*102.43*	
		For Low-E Insulated Glass, Add	*213.39*	
		For Obscure Glass, Add	*234.73*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,062.84	74.47
		For Colored Vinyl, Add	*91.39*	
		For Tinted Glass, Add	*109.67*	
		For Low-E Insulated Glass, Add	*228.47*	
		For Obscure Glass, Add	*251.32*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,109.34	78.77
		For Colored Vinyl, Add	*95.32*	
		For Tinted Glass, Add	*114.39*	
		For Low-E Insulated Glass, Add	*238.31*	
		For Obscure Glass, Add	*262.14*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,180.38	83.78
		For Colored Vinyl, Add	*101.28*	
		For Tinted Glass, Add	*121.54*	
		For Low-E Insulated Glass, Add	*253.20*	
		For Obscure Glass, Add	*278.52*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,124.64	79.49
		For Colored Vinyl, Add	*96.57*	
		For Tinted Glass, Add	*115.88*	
		For Low-E Insulated Glass, Add	*241.42*	
		For Obscure Glass, Add	*265.56*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,171.21	83.07
		For Colored Vinyl, Add	*100.51*	
		For Tinted Glass, Add	*120.61*	
		For Low-E Insulated Glass, Add	*251.27*	
		For Obscure Glass, Add	*276.39*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,246.93	88.80
		For Colored Vinyl, Add	*106.93*	
		For Tinted Glass, Add	*128.32*	
		For Low-E Insulated Glass, Add	*267.34*	
		For Obscure Glass, Add	*294.07*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	885.71	60.87
		For Colored Vinyl, Add	*76.40*	
		For Tinted Glass, Add	*91.68*	
		For Low-E Insulated Glass, Add	*190.99*	
		For Obscure Glass, Add	*210.09*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,026.37	68.03
		For Colored Vinyl, Add	*89.03*	
		For Tinted Glass, Add	*106.84*	
		For Low-E Insulated Glass, Add	*222.58*	
		For Obscure Glass, Add	*244.84*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,161.38	75.19
		For Colored Vinyl, Add	*101.10*	
		For Tinted Glass, Add	*121.32*	
		For Low-E Insulated Glass, Add	*252.75*	
		For Obscure Glass, Add	*278.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,290.74	82.35
		For Colored Vinyl, Add	*112.60*	
		For Tinted Glass, Add	*135.12*	
		For Low-E Insulated Glass, Add	*281.51*	
		For Obscure Glass, Add	*309.66*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,414.44	89.51
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.25*	
		For Low-E Insulated Glass, Add	*308.86*	
		For Obscure Glass, Add	*339.74*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,477.95	96.67
		For Colored Vinyl, Add	*128.46*	
		For Tinted Glass, Add	*154.15*	
		For Low-E Insulated Glass, Add	*321.15*	
		For Obscure Glass, Add	*353.27*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	14.59	0.93
		For Colored Vinyl, Add	*1.27*	
		For Tinted Glass, Add	*1.53*	
		For Low-E Insulated Glass, Add	*3.18*	
		For Obscure Glass, Add	*3.50*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	480.18	70.18
		For Colored Vinyl, Add	*34.13*	
		For Tinted Glass, Add	*40.95*	
		For Low-E Insulated Glass, Add	*85.32*	
		For Obscure Glass, Add	*93.85*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	530.83	78.77
		For Colored Vinyl, Add	*37.47*	
		For Tinted Glass, Add	*44.97*	
		For Low-E Insulated Glass, Add	*93.68*	
		For Obscure Glass, Add	*103.05*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	556.16	82.35
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.87*	
		For Obscure Glass, Add	*107.65*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	581.49	86.65
		For Colored Vinyl, Add	*40.82*	
		For Tinted Glass, Add	*48.98*	
		For Low-E Insulated Glass, Add	*102.05*	
		For Obscure Glass, Add	*112.25*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	598.34	90.23
		For Colored Vinyl, Add	*41.93*	
		For Tinted Glass, Add	*50.32*	
		For Low-E Insulated Glass, Add	*104.83*	
		For Obscure Glass, Add	*115.31*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	632.13	95.24
		For Colored Vinyl, Add	*44.17*	
		For Tinted Glass, Add	*53.00*	
		For Low-E Insulated Glass, Add	*110.41*	
		For Obscure Glass, Add	*121.45*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	504.73	73.04
		For Colored Vinyl, Add	*36.01*	
		For Tinted Glass, Add	*43.21*	
		For Low-E Insulated Glass, Add	*90.02*	
		For Obscure Glass, Add	*99.02*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	556.90	81.64
		For Colored Vinyl, Add	*39.51*	
		For Tinted Glass, Add	*47.41*	
		For Low-E Insulated Glass, Add	*98.77*	
		For Obscure Glass, Add	*108.64*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	583.20	85.22
		For Colored Vinyl, Add	*41.28*	
		For Tinted Glass, Add	*49.53*	
		For Low-E Insulated Glass, Add	*103.19*	
		For Obscure Glass, Add	*113.51*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	609.14	89.51
		For Colored Vinyl, Add	*43.01*	
		For Tinted Glass, Add	*51.61*	
		For Low-E Insulated Glass, Add	*107.53*	
		For Obscure Glass, Add	*118.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.52	93.09
		For Colored Vinyl, Add	*44.18*	
		For Tinted Glass, Add	*53.01*	
		For Low-E Insulated Glass, Add	*110.44*	
		For Obscure Glass, Add	*121.49*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	661.32	98.10
		For Colored Vinyl, Add	*46.51*	
		For Tinted Glass, Add	*55.81*	
		For Low-E Insulated Glass, Add	*116.28*	
		For Obscure Glass, Add	*127.91*	
08 53 13 00-0396		36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	578.89	81.64
		For Colored Vinyl, Add	*41.71*	
		For Tinted Glass, Add	*50.05*	
		For Low-E Insulated Glass, Add	*104.27*	
		For Obscure Glass, Add	*114.69*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	635.99	90.23
		For Colored Vinyl, Add	*45.70*	
		For Tinted Glass, Add	*54.84*	
		For Low-E Insulated Glass, Add	*114.24*	
		For Obscure Glass, Add	*125.67*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	664.60	93.81
		For Colored Vinyl, Add	*47.70*	
		For Tinted Glass, Add	*57.24*	
		For Low-E Insulated Glass, Add	*119.25*	
		For Obscure Glass, Add	*131.17*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	693.15	98.10
		For Colored Vinyl, Add	*49.69*	
		For Tinted Glass, Add	*59.63*	
		For Low-E Insulated Glass, Add	*124.24*	
		For Obscure Glass, Add	*136.66*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	712.22	100.26
		For Colored Vinyl, Add	*51.03*	
		For Tinted Glass, Add	*61.23*	
		For Low-E Insulated Glass, Add	*127.57*	
		For Obscure Glass, Add	*140.33*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	750.30	106.70
		For Colored Vinyl, Add	*53.69*	
		For Tinted Glass, Add	*64.43*	
		For Low-E Insulated Glass, Add	*134.23*	
		For Obscure Glass, Add	*147.65*	
08 53 13 00-0403		42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.98	85.93
		For Colored Vinyl, Add	*44.56*	
		For Tinted Glass, Add	*53.47*	
		For Low-E Insulated Glass, Add	*111.39*	
		For Obscure Glass, Add	*122.53*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	675.57	94.52
		For Colored Vinyl, Add	*48.80*	
		For Tinted Glass, Add	*58.55*	
		For Low-E Insulated Glass, Add	*121.99*	
		For Obscure Glass, Add	*134.19*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	705.41	98.10
		For Colored Vinyl, Add	*50.92*	
		For Tinted Glass, Add	*61.10*	
		For Low-E Insulated Glass, Add	*127.30*	
		For Obscure Glass, Add	*140.03*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	735.20	102.40
		For Colored Vinyl, Add	*53.04*	
		For Tinted Glass, Add	*63.65*	
		For Low-E Insulated Glass, Add	*132.60*	
		For Obscure Glass, Add	*145.86*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	755.02	105.98
		For Colored Vinyl, Add	*54.45*	
		For Tinted Glass, Add	*65.34*	
		For Low-E Insulated Glass, Add	*136.12*	
		For Obscure Glass, Add	*149.73*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	794.79	110.99
		For Colored Vinyl, Add	*57.28*	
		For Tinted Glass, Add	*68.74*	
		For Low-E Insulated Glass, Add	*143.20*	
		For Obscure Glass, Add	*157.52*	
08 53 13 00-0410		44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	628.35	87.36
		For Colored Vinyl, Add	*45.51*	
		For Tinted Glass, Add	*54.61*	
		For Low-E Insulated Glass, Add	*113.76*	
		For Obscure Glass, Add	*125.14*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	688.77	95.95
		For Colored Vinyl, Add	*49.83*	
		For Tinted Glass, Add	*59.79*	
		For Low-E Insulated Glass, Add	*124.57*	
		For Obscure Glass, Add	*137.03*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	718.96	99.54
		For Colored Vinyl, Add	*51.99*	
		For Tinted Glass, Add	*62.39*	
		For Low-E Insulated Glass, Add	*129.97*	
		For Obscure Glass, Add	*142.97*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	749.20	103.84
		For Colored Vinyl, Add	*54.15*	
		For Tinted Glass, Add	*64.98*	
		For Low-E Insulated Glass, Add	*135.39*	
		For Obscure Glass, Add	*148.92*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	769.35	107.41
		For Colored Vinyl, Add	*55.60*	
		For Tinted Glass, Add	*66.71*	
		For Low-E Insulated Glass, Add	*138.99*	
		For Obscure Glass, Add	*152.89*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	809.57	112.43
		For Colored Vinyl, Add	*58.47*	
		For Tinted Glass, Add	*70.17*	
		For Low-E Insulated Glass, Add	*146.18*	
		For Obscure Glass, Add	*160.80*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	640.71	88.80
		For Colored Vinyl, Add	*46.46*	
		For Tinted Glass, Add	*55.75*	
		For Low-E Insulated Glass, Add	*116.14*	
		For Obscure Glass, Add	*127.75*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	701.93	97.38
		For Colored Vinyl, Add	*50.86*	
		For Tinted Glass, Add	*61.03*	
		For Low-E Insulated Glass, Add	*127.15*	
		For Obscure Glass, Add	*139.86*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	732.57	100.97
		For Colored Vinyl, Add	*53.06*	
		For Tinted Glass, Add	*63.68*	
		For Low-E Insulated Glass, Add	*132.66*	
		For Obscure Glass, Add	*145.92*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	763.16	105.27
		For Colored Vinyl, Add	*55.26*	
		For Tinted Glass, Add	*66.31*	
		For Low-E Insulated Glass, Add	*138.16*	
		For Obscure Glass, Add	*151.97*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	783.57	108.85
		For Colored Vinyl, Add	*56.73*	
		For Tinted Glass, Add	*68.08*	
		For Low-E Insulated Glass, Add	*141.83*	
		For Obscure Glass, Add	*156.01*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	824.42	113.86
		For Colored Vinyl, Add	*59.67*	
		For Tinted Glass, Add	*71.61*	
		For Low-E Insulated Glass, Add	*149.18*	
		For Obscure Glass, Add	*164.10*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	653.06	90.23
		For Colored Vinyl, Add	*47.40*	
		For Tinted Glass, Add	*56.88*	
		For Low-E Insulated Glass, Add	*118.51*	
		For Obscure Glass, Add	*130.36*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	715.14	98.82
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.71*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	746.17	102.40
		For Colored Vinyl, Add	*54.14*	
		For Tinted Glass, Add	*64.96*	
		For Low-E Insulated Glass, Add	*135.34*	
		For Obscure Glass, Add	*148.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	777.15	106.70
		For Colored Vinyl, Add	*56.38*	
		For Tinted Glass, Add	*67.65*	
		For Low-E Insulated Glass, Add	*140.94*	
		For Obscure Glass, Add	*155.03*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	797.85	110.28
		For Colored Vinyl, Add	*57.87*	
		For Tinted Glass, Add	*69.45*	
		For Low-E Insulated Glass, Add	*144.68*	
		For Obscure Glass, Add	*159.15*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	839.27	115.29
		For Colored Vinyl, Add	*60.87*	
		For Tinted Glass, Add	*73.04*	
		For Low-E Insulated Glass, Add	*152.17*	
		For Obscure Glass, Add	*167.39*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	665.42	91.66
		For Colored Vinyl, Add	*48.35*	
		For Tinted Glass, Add	*58.02*	
		For Low-E Insulated Glass, Add	*120.89*	
		For Obscure Glass, Add	*132.97*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	728.28	100.26
		For Colored Vinyl, Add	*52.92*	
		For Tinted Glass, Add	*63.51*	
		For Low-E Insulated Glass, Add	*132.30*	
		For Obscure Glass, Add	*145.53*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	759.71	103.84
		For Colored Vinyl, Add	*55.21*	
		For Tinted Glass, Add	*66.25*	
		For Low-E Insulated Glass, Add	*138.01*	
		For Obscure Glass, Add	*151.81*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	791.15	108.13
		For Colored Vinyl, Add	*57.49*	
		For Tinted Glass, Add	*68.99*	
		For Low-E Insulated Glass, Add	*143.72*	
		For Obscure Glass, Add	*158.09*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	812.14	111.71
		For Colored Vinyl, Add	*59.02*	
		For Tinted Glass, Add	*70.82*	
		For Low-E Insulated Glass, Add	*147.54*	
		For Obscure Glass, Add	*162.29*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	854.07	116.72
		For Colored Vinyl, Add	*62.06*	
		For Tinted Glass, Add	*74.47*	
		For Low-E Insulated Glass, Add	*155.16*	
		For Obscure Glass, Add	*170.67*	

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.79	93.09
		For Colored Vinyl, Add	*49.30*	
		For Tinted Glass, Add	*59.16*	
		For Low-E Insulated Glass, Add	*123.26*	
		For Obscure Glass, Add	*135.59*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	741.50	101.69
		For Colored Vinyl, Add	*53.96*	
		For Tinted Glass, Add	*64.75*	
		For Low-E Insulated Glass, Add	*134.89*	
		For Obscure Glass, Add	*148.38*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	773.33	105.27
		For Colored Vinyl, Add	*56.28*	
		For Tinted Glass, Add	*67.53*	
		For Low-E Insulated Glass, Add	*140.70*	
		For Obscure Glass, Add	*154.77*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	805.20	109.56
		For Colored Vinyl, Add	*58.61*	
		For Tinted Glass, Add	*70.33*	
		For Low-E Insulated Glass, Add	*146.52*	
		For Obscure Glass, Add	*161.17*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	826.42	113.14
		For Colored Vinyl, Add	*60.16*	
		For Tinted Glass, Add	*72.19*	
		For Low-E Insulated Glass, Add	*150.39*	
		For Obscure Glass, Add	*165.43*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	868.91	118.15
		For Colored Vinyl, Add	*63.26*	
		For Tinted Glass, Add	*75.91*	
		For Low-E Insulated Glass, Add	*158.15*	
		For Obscure Glass, Add	*173.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0445		**54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)** *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	690.15	94.52
		For Colored Vinyl, Add	*50.25*	
		For Tinted Glass, Add	*60.30*	
		For Low-E Insulated Glass, Add	*125.63*	
		For Obscure Glass, Add	*138.20*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	754.65	103.12
		For Colored Vinyl, Add	*54.99*	
		For Tinted Glass, Add	*65.98*	
		For Low-E Insulated Glass, Add	*137.46*	
		For Obscure Glass, Add	*151.21*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	786.93	106.70
		For Colored Vinyl, Add	*57.35*	
		For Tinted Glass, Add	*68.82*	
		For Low-E Insulated Glass, Add	*143.38*	
		For Obscure Glass, Add	*157.72*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	819.21	110.99
		For Colored Vinyl, Add	*59.72*	
		For Tinted Glass, Add	*71.67*	
		For Low-E Insulated Glass, Add	*149.31*	
		For Obscure Glass, Add	*164.24*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	840.70	114.57
		For Colored Vinyl, Add	*61.30*	
		For Tinted Glass, Add	*73.56*	
		For Low-E Insulated Glass, Add	*153.25*	
		For Obscure Glass, Add	*168.57*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	883.71	119.58
		For Colored Vinyl, Add	*64.45*	
		For Tinted Glass, Add	*77.34*	
		For Low-E Insulated Glass, Add	*161.13*	
		For Obscure Glass, Add	*177.25*	
08 53 13 00-0452		**60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)** *(08 53 13 00-0381)*		
08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	752.27	98.82
		For Colored Vinyl, Add	*55.61*	
		For Tinted Glass, Add	*66.73*	
		For Low-E Insulated Glass, Add	*139.02*	
		For Obscure Glass, Add	*152.92*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	794.22	107.41
		For Colored Vinyl, Add	*58.08*	
		For Tinted Glass, Add	*69.70*	
		For Low-E Insulated Glass, Add	*145.21*	
		For Obscure Glass, Add	*159.73*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	827.74	110.99
		For Colored Vinyl, Add	*60.58*	
		For Tinted Glass, Add	*72.69*	
		For Low-E Insulated Glass, Add	*151.44*	
		For Obscure Glass, Add	*166.58*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	861.21	115.29
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.66*	
		For Obscure Glass, Add	*173.42*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	883.55	118.87
		For Colored Vinyl, Add	*64.72*	
		For Tinted Glass, Add	*77.67*	
		For Low-E Insulated Glass, Add	*161.81*	
		For Obscure Glass, Add	*177.99*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	928.20	123.89
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	
08 53 13 00-0459		**Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)** *(08 53 13 00-0380)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	789.99	75.19
		For Colored Vinyl, Add	*63.96*	
		For Tinted Glass, Add	*76.75*	
		For Low-E Insulated Glass, Add	*159.90*	
		For Obscure Glass, Add	*175.89*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	868.47	82.35
		For Colored Vinyl, Add	*70.38*	
		For Tinted Glass, Add	*84.45*	
		For Low-E Insulated Glass, Add	*175.94*	
		For Obscure Glass, Add	*193.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	941.30	89.51
		For Colored Vinyl, Add	*76.23*	
		For Tinted Glass, Add	*91.47*	
		For Low-E Insulated Glass, Add	*190.57*	
		For Obscure Glass, Add	*209.63*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	992.65	96.67
		For Colored Vinyl, Add	*79.93*	
		For Tinted Glass, Add	*95.92*	
		For Low-E Insulated Glass, Add	*199.83*	
		For Obscure Glass, Add	*219.81*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,047.10	103.84
		For Colored Vinyl, Add	*83.94*	
		For Tinted Glass, Add	*100.73*	
		For Low-E Insulated Glass, Add	*209.86*	
		For Obscure Glass, Add	*230.85*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,137.74	110.99
		For Colored Vinyl, Add	*91.58*	
		For Tinted Glass, Add	*109.89*	
		For Low-E Insulated Glass, Add	*228.94*	
		For Obscure Glass, Add	*251.83*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	9.50	0.93
		For Colored Vinyl, Add	*0.76*	
		For Tinted Glass, Add	*0.92*	
		For Low-E Insulated Glass, Add	*1.91*	
		For Obscure Glass, Add	*2.10*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	453.74	57.29
		For Colored Vinyl, Add	*33.92*	
		For Tinted Glass, Add	*40.70*	
		For Low-E Insulated Glass, Add	*84.79*	
		For Obscure Glass, Add	*93.27*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	493.31	57.29
		For Colored Vinyl, Add	*37.87*	
		For Tinted Glass, Add	*45.45*	
		For Low-E Insulated Glass, Add	*94.69*	
		For Obscure Glass, Add	*104.15*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	515.92	57.29
		For Colored Vinyl, Add	*40.14*	
		For Tinted Glass, Add	*48.16*	
		For Low-E Insulated Glass, Add	*100.34*	
		For Obscure Glass, Add	*110.37*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	592.20	55.86
		For Colored Vinyl, Add	*48.05*	
		For Tinted Glass, Add	*57.66*	
		For Low-E Insulated Glass, Add	*120.12*	
		For Obscure Glass, Add	*132.13*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	657.44	64.45
		For Colored Vinyl, Add	*52.85*	
		For Tinted Glass, Add	*63.42*	
		For Low-E Insulated Glass, Add	*132.14*	
		For Obscure Glass, Add	*145.35*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	11.48	0.93
		For Colored Vinyl, Add	*0.96*	
		For Tinted Glass, Add	*1.15*	
		For Low-E Insulated Glass, Add	*2.40*	
		For Obscure Glass, Add	*2.64*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	79.14
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	101.75
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	131.04
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	154.68
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	190.14

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	179.86	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	215.83	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	272.36	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	339.17	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	405.97	

08 53 66 Vinyl Window Screens *(08 53)*

08 53 66 00-0001 Insect Screens For Vinyl Windows *(08 53 66)*

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	70.60	9.61
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	101.43	9.61
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	111.71	9.61
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	132.27	9.61
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	178.52	9.61
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	199.07	9.61
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	229.90	9.61
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	250.46	9.61
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	7.67	0.19

08 54 Composite Windows *(08 50)*

08 54 13 Fiberglass Windows *(08 54)*

08 54 13 00-0001 Single Hung Fiberglass Windows *(08 54 13)*

08 54 13 00-0002 New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0001)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0003 34" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0004	EA	24" x 34", New Construction, Single Hung Fiberglass Window	1,056.21	65.88
		For Colored Vinyl, Add	*92.45*	
		For Tinted Glass, Add	*110.93*	
		For Low-E Insulated Glass, Add	*231.11*	
		For Obscure Glass, Add	*254.22*	
08 54 13 00-0005	EA	28" x 34", New Construction, Single Hung Fiberglass Window	1,113.41	68.74
		For Colored Vinyl, Add	*97.59*	
		For Tinted Glass, Add	*117.11*	
		For Low-E Insulated Glass, Add	*243.98*	
		For Obscure Glass, Add	*268.38*	
08 54 13 00-0006	EA	30" x 34", New Construction, Single Hung Fiberglass Window	1,136.19	70.18
		For Colored Vinyl, Add	*99.58*	
		For Tinted Glass, Add	*119.50*	
		For Low-E Insulated Glass, Add	*248.96*	
		For Obscure Glass, Add	*273.86*	
08 54 13 00-0007	EA	32" x 34", New Construction, Single Hung Fiberglass Window	1,161.53	71.61
		For Colored Vinyl, Add	*101.83*	
		For Tinted Glass, Add	*122.20*	
		For Low-E Insulated Glass, Add	*254.58*	
		For Obscure Glass, Add	*280.04*	
08 54 13 00-0008	EA	36" x 34", New Construction, Single Hung Fiberglass Window	1,230.29	74.47
		For Colored Vinyl, Add	*108.13*	
		For Tinted Glass, Add	*129.76*	
		For Low-E Insulated Glass, Add	*270.34*	
		For Obscure Glass, Add	*297.37*	
08 54 13 00-0009	EA	44" x 34", New Construction, Single Hung Fiberglass Window	1,336.98	80.21
		For Colored Vinyl, Add	*117.66*	
		For Tinted Glass, Add	*141.19*	
		For Low-E Insulated Glass, Add	*294.15*	
		For Obscure Glass, Add	*323.56*	

08 54 13 00-0010 36" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0011	EA	24" x 36", New Construction, Single Hung Fiberglass Window	1,077.18	67.31
		For Colored Vinyl, Add	*94.26*	
		For Tinted Glass, Add	*113.11*	
		For Low-E Insulated Glass, Add	*235.64*	
		For Obscure Glass, Add	*259.20*	
08 54 13 00-0012	EA	28" x 36", New Construction, Single Hung Fiberglass Window	1,134.45	68.74
		For Colored Vinyl, Add	*99.41*	
		For Tinted Glass, Add	*119.29*	
		For Low-E Insulated Glass, Add	*248.53*	
		For Obscure Glass, Add	*273.38*	
08 54 13 00-0013	EA	30" x 36", New Construction, Single Hung Fiberglass Window	1,157.24	71.61
		For Colored Vinyl, Add	*101.40*	
		For Tinted Glass, Add	*121.68*	
		For Low-E Insulated Glass, Add	*253.51*	
		For Obscure Glass, Add	*278.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0014	EA	32" x 36", New Construction, Single Hung Fiberglass Window	1,182.57	73.04
		For Colored Vinyl, Add	*103.65*	
		For Tinted Glass, Add	*124.38*	
		For Low-E Insulated Glass, Add	*259.12*	
		For Obscure Glass, Add	*285.03*	
08 54 13 00-0015	EA	36" x 36", New Construction, Single Hung Fiberglass Window	1,251.25	75.90
		For Colored Vinyl, Add	*109.94*	
		For Tinted Glass, Add	*131.93*	
		For Low-E Insulated Glass, Add	*274.86*	
		For Obscure Glass, Add	*302.35*	
08 54 13 00-0016	EA	44" x 36", New Construction, Single Hung Fiberglass Window	1,357.94	81.64
		For Colored Vinyl, Add	*119.47*	
		For Tinted Glass, Add	*143.36*	
		For Low-E Insulated Glass, Add	*298.67*	
		For Obscure Glass, Add	*328.54*	
08 54 13 00-0017		38" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0018	EA	24" x 38", New Construction, Single Hung Fiberglass Window	1,097.35	68.74
		For Colored Vinyl, Add	*95.99*	
		For Tinted Glass, Add	*115.18*	
		For Low-E Insulated Glass, Add	*239.97*	
		For Obscure Glass, Add	*263.96*	
08 54 13 00-0019	EA	28" x 38", New Construction, Single Hung Fiberglass Window	1,154.62	71.61
		For Colored Vinyl, Add	*101.14*	
		For Tinted Glass, Add	*121.37*	
		For Low-E Insulated Glass, Add	*252.85*	
		For Obscure Glass, Add	*278.14*	
08 54 13 00-0020	EA	30" x 38", New Construction, Single Hung Fiberglass Window	1,178.50	73.04
		For Colored Vinyl, Add	*103.24*	
		For Tinted Glass, Add	*123.89*	
		For Low-E Insulated Glass, Add	*258.10*	
		For Obscure Glass, Add	*283.91*	
08 54 13 00-0021	EA	32" x 38", New Construction, Single Hung Fiberglass Window	1,203.90	74.47
		For Colored Vinyl, Add	*105.50*	
		For Tinted Glass, Add	*126.59*	
		For Low-E Insulated Glass, Add	*263.74*	
		For Obscure Glass, Add	*290.11*	
08 54 13 00-0022	EA	36" x 38", New Construction, Single Hung Fiberglass Window	1,273.90	77.34
		For Colored Vinyl, Add	*111.92*	
		For Tinted Glass, Add	*134.31*	
		For Low-E Insulated Glass, Add	*279.81*	
		For Obscure Glass, Add	*307.79*	
08 54 13 00-0023	EA	44" x 38", New Construction, Single Hung Fiberglass Window	1,382.34	83.07
		For Colored Vinyl, Add	*121.62*	
		For Tinted Glass, Add	*145.94*	
		For Low-E Insulated Glass, Add	*304.05*	
		For Obscure Glass, Add	*334.46*	
08 54 13 00-0024		44" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0025	EA	24" x 44", New Construction, Single Hung Fiberglass Window	1,159.38	73.04
		For Colored Vinyl, Add	*101.33*	
		For Tinted Glass, Add	*121.59*	
		For Low-E Insulated Glass, Add	*253.32*	
		For Obscure Glass, Add	*278.65*	
08 54 13 00-0026	EA	28" x 44", New Construction, Single Hung Fiberglass Window	1,216.57	75.90
		For Colored Vinyl, Add	*106.48*	
		For Tinted Glass, Add	*127.77*	
		For Low-E Insulated Glass, Add	*266.19*	
		For Obscure Glass, Add	*292.81*	
08 54 13 00-0027	EA	30" x 44", New Construction, Single Hung Fiberglass Window	1,244.31	77.34
		For Colored Vinyl, Add	*108.96*	
		For Tinted Glass, Add	*130.76*	
		For Low-E Insulated Glass, Add	*272.41*	
		For Obscure Glass, Add	*299.65*	
08 54 13 00-0028	EA	32" x 44", New Construction, Single Hung Fiberglass Window	1,269.63	78.77
		For Colored Vinyl, Add	*111.21*	
		For Tinted Glass, Add	*133.45*	
		For Low-E Insulated Glass, Add	*278.02*	
		For Obscure Glass, Add	*305.82*	
08 54 13 00-0029	EA	36" x 44", New Construction, Single Hung Fiberglass Window	1,343.47	81.64
		For Colored Vinyl, Add	*118.02*	
		For Tinted Glass, Add	*141.63*	
		For Low-E Insulated Glass, Add	*295.05*	
		For Obscure Glass, Add	*324.56*	
08 54 13 00-0030	EA	44" x 44", New Construction, Single Hung Fiberglass Window	1,456.65	87.36
		For Colored Vinyl, Add	*128.19*	
		For Tinted Glass, Add	*153.83*	
		For Low-E Insulated Glass, Add	*320.48*	
		For Obscure Glass, Add	*352.53*	
08 54 13 00-0031		46" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0032	EA	24" x 46", New Construction, Single Hung Fiberglass Window	1,180.34	74.47
		For Colored Vinyl, Add	*103.14*	
		For Tinted Glass, Add	*123.77*	
		For Low-E Insulated Glass, Add	*257.85*	
		For Obscure Glass, Add	*283.63*	
08 54 13 00-0033	EA	28" x 46", New Construction, Single Hung Fiberglass Window	1,237.62	77.34
		For Colored Vinyl, Add	*108.29*	
		For Tinted Glass, Add	*129.95*	
		For Low-E Insulated Glass, Add	*270.74*	
		For Obscure Glass, Add	*297.81*	
08 54 13 00-0034	EA	30" x 46", New Construction, Single Hung Fiberglass Window	1,266.43	78.77
		For Colored Vinyl, Add	*110.89*	
		For Tinted Glass, Add	*133.07*	
		For Low-E Insulated Glass, Add	*277.22*	
		For Obscure Glass, Add	*304.94*	
08 54 13 00-0035	EA	32" x 46", New Construction, Single Hung Fiberglass Window	1,291.83	80.21
		For Colored Vinyl, Add	*113.14*	
		For Tinted Glass, Add	*135.77*	
		For Low-E Insulated Glass, Add	*282.86*	
		For Obscure Glass, Add	*311.14*	
08 54 13 00-0036	EA	36" x 46", New Construction, Single Hung Fiberglass Window	1,366.78	83.07
		For Colored Vinyl, Add	*120.06*	
		For Tinted Glass, Add	*144.08*	
		For Low-E Insulated Glass, Add	*300.16*	
		For Obscure Glass, Add	*330.18*	
08 54 13 00-0037	EA	44" x 46", New Construction, Single Hung Fiberglass Window	1,481.76	88.80
		For Colored Vinyl, Add	*130.42*	
		For Tinted Glass, Add	*156.50*	
		For Low-E Insulated Glass, Add	*326.04*	
		For Obscure Glass, Add	*358.65*	

08 54 13 00-0038 48" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0039	EA	24" x 48", New Construction, Single Hung Fiberglass Window	1,201.67	75.90
		For Colored Vinyl, Add	*104.99*	
		For Tinted Glass, Add	*125.98*	
		For Low-E Insulated Glass, Add	*262.47*	
		For Obscure Glass, Add	*288.71*	
08 54 13 00-0040	EA	28" x 48", New Construction, Single Hung Fiberglass Window	1,258.87	78.77
		For Colored Vinyl, Add	*110.13*	
		For Tinted Glass, Add	*132.16*	
		For Low-E Insulated Glass, Add	*275.33*	
		For Obscure Glass, Add	*302.87*	
08 54 13 00-0041	EA	30" x 48", New Construction, Single Hung Fiberglass Window	1,288.92	80.21
		For Colored Vinyl, Add	*112.85*	
		For Tinted Glass, Add	*135.42*	
		For Low-E Insulated Glass, Add	*282.13*	
		For Obscure Glass, Add	*310.34*	
08 54 13 00-0042	EA	32" x 48", New Construction, Single Hung Fiberglass Window	1,314.25	81.64
		For Colored Vinyl, Add	*115.10*	
		For Tinted Glass, Add	*138.12*	
		For Low-E Insulated Glass, Add	*287.75*	
		For Obscure Glass, Add	*316.52*	
08 54 13 00-0043	EA	36" x 48", New Construction, Single Hung Fiberglass Window	1,390.58	84.50
		For Colored Vinyl, Add	*122.16*	
		For Tinted Glass, Add	*146.59*	
		For Low-E Insulated Glass, Add	*305.40*	
		For Obscure Glass, Add	*335.93*	
08 54 13 00-0044	EA	44" x 48", New Construction, Single Hung Fiberglass Window	1,507.08	90.23
		For Colored Vinyl, Add	*132.66*	
		For Tinted Glass, Add	*159.20*	
		For Low-E Insulated Glass, Add	*331.66*	
		For Obscure Glass, Add	*364.82*	

08 54 13 00-0045 50" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0046	EA	24" x 50", New Construction, Single Hung Fiberglass Window	1,221.77	77.34
		For Colored Vinyl, Add	*106.71*	
		For Tinted Glass, Add	*128.05*	
		For Low-E Insulated Glass, Add	*266.77*	
		For Obscure Glass, Add	*293.45*	
08 54 13 00-0047	EA	28" x 50", New Construction, Single Hung Fiberglass Window	1,279.03	80.21
		For Colored Vinyl, Add	*111.86*	
		For Tinted Glass, Add	*134.24*	
		For Low-E Insulated Glass, Add	*279.66*	
		For Obscure Glass, Add	*307.62*	
08 54 13 00-0048	EA	30" x 50", New Construction, Single Hung Fiberglass Window	1,310.32	81.64
		For Colored Vinyl, Add	*114.71*	
		For Tinted Glass, Add	*137.65*	
		For Low-E Insulated Glass, Add	*286.77*	
		For Obscure Glass, Add	*315.44*	
08 54 13 00-0049	EA	32" x 50", New Construction, Single Hung Fiberglass Window	1,335.74	83.07
		For Colored Vinyl, Add	*116.96*	
		For Tinted Glass, Add	*140.35*	
		For Low-E Insulated Glass, Add	*292.40*	
		For Obscure Glass, Add	*321.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0050	EA	36" x 50", New Construction, Single Hung Fiberglass Window	1,413.14	85.93
		For Colored Vinyl, Add	*124.13*	
		For Tinted Glass, Add	*148.95*	
		For Low-E Insulated Glass, Add	*310.32*	
		For Obscure Glass, Add	*341.35*	
08 54 13 00-0051	EA	44" x 50", New Construction, Single Hung Fiberglass Window	1,531.25	91.66
		For Colored Vinyl, Add	*134.79*	
		For Tinted Glass, Add	*161.75*	
		For Low-E Insulated Glass, Add	*336.98*	
		For Obscure Glass, Add	*370.68*	
08 54 13 00-0052		**52" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0053	EA	24" x 52", New Construction, Single Hung Fiberglass Window	1,242.08	78.77
		For Colored Vinyl, Add	*108.45*	
		For Tinted Glass, Add	*130.14*	
		For Low-E Insulated Glass, Add	*271.14*	
		For Obscure Glass, Add	*298.25*	
08 54 13 00-0054	EA	28" x 52", New Construction, Single Hung Fiberglass Window	1,299.34	81.64
		For Colored Vinyl, Add	*113.61*	
		For Tinted Glass, Add	*136.33*	
		For Low-E Insulated Glass, Add	*284.02*	
		For Obscure Glass, Add	*312.42*	
08 54 13 00-0055	EA	30" x 52", New Construction, Single Hung Fiberglass Window	1,331.96	83.07
		For Colored Vinyl, Add	*116.58*	
		For Tinted Glass, Add	*139.90*	
		For Low-E Insulated Glass, Add	*291.46*	
		For Obscure Glass, Add	*320.60*	
08 54 13 00-0056	EA	32" x 52", New Construction, Single Hung Fiberglass Window	1,357.28	84.50
		For Colored Vinyl, Add	*118.83*	
		For Tinted Glass, Add	*142.59*	
		For Low-E Insulated Glass, Add	*297.07*	
		For Obscure Glass, Add	*326.78*	
08 54 13 00-0057	EA	36" x 52", New Construction, Single Hung Fiberglass Window	1,436.07	87.36
		For Colored Vinyl, Add	*126.13*	
		For Tinted Glass, Add	*151.36*	
		For Low-E Insulated Glass, Add	*315.34*	
		For Obscure Glass, Add	*346.87*	
08 54 13 00-0058	EA	44" x 52", New Construction, Single Hung Fiberglass Window	1,555.78	93.09
		For Colored Vinyl, Add	*136.96*	
		For Tinted Glass, Add	*164.35*	
		For Low-E Insulated Glass, Add	*342.40*	
		For Obscure Glass, Add	*376.64*	
08 54 13 00-0059		**54" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0060	EA	24" x 54", New Construction, Single Hung Fiberglass Window	1,262.31	80.21
		For Colored Vinyl, Add	*110.19*	
		For Tinted Glass, Add	*132.23*	
		For Low-E Insulated Glass, Add	*275.48*	
		For Obscure Glass, Add	*303.03*	
08 54 13 00-0061	EA	28" x 54", New Construction, Single Hung Fiberglass Window	1,319.60	83.07
		For Colored Vinyl, Add	*115.35*	
		For Tinted Glass, Add	*138.42*	
		For Low-E Insulated Glass, Add	*288.37*	
		For Obscure Glass, Add	*317.20*	
08 54 13 00-0062	EA	30" x 54", New Construction, Single Hung Fiberglass Window	1,353.36	84.50
		For Colored Vinyl, Add	*118.44*	
		For Tinted Glass, Add	*142.12*	
		For Low-E Insulated Glass, Add	*296.09*	
		For Obscure Glass, Add	*325.70*	
08 54 13 00-0063	EA	32" x 54", New Construction, Single Hung Fiberglass Window	1,378.75	85.93
		For Colored Vinyl, Add	*120.69*	
		For Tinted Glass, Add	*144.83*	
		For Low-E Insulated Glass, Add	*301.72*	
		For Obscure Glass, Add	*331.89*	
08 54 13 00-0064	EA	36" x 54", New Construction, Single Hung Fiberglass Window	1,458.64	88.80
		For Colored Vinyl, Add	*128.11*	
		For Tinted Glass, Add	*153.73*	
		For Low-E Insulated Glass, Add	*320.26*	
		For Obscure Glass, Add	*352.29*	
08 54 13 00-0065	EA	44" x 54", New Construction, Single Hung Fiberglass Window	1,579.95	94.52
		For Colored Vinyl, Add	*139.09*	
		For Tinted Glass, Add	*166.91*	
		For Low-E Insulated Glass, Add	*347.73*	
		For Obscure Glass, Add	*382.50*	
08 54 13 00-0066		**60" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0067	EA	24" x 60", New Construction, Single Hung Fiberglass Window	1,325.37	84.50
		For Colored Vinyl, Add	*115.64*	
		For Tinted Glass, Add	*138.76*	
		For Low-E Insulated Glass, Add	*289.09*	
		For Obscure Glass, Add	*318.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0068	EA	28" x 60", New Construction, Single Hung Fiberglass Window	1,382.64	87.36
		For Colored Vinyl, Add	*120.79*	
		For Tinted Glass, Add	*144.95*	
		For Low-E Insulated Glass, Add	*301.98*	
		For Obscure Glass, Add	*332.18*	
08 54 13 00-0069	EA	30" x 60", New Construction, Single Hung Fiberglass Window	1,419.89	88.80
		For Colored Vinyl, Add	*124.23*	
		For Tinted Glass, Add	*149.08*	
		For Low-E Insulated Glass, Add	*310.58*	
		For Obscure Glass, Add	*341.63*	
08 54 13 00-0070	EA	32" x 60", New Construction, Single Hung Fiberglass Window	1,445.28	90.23
		For Colored Vinyl, Add	*126.48*	
		For Tinted Glass, Add	*151.78*	
		For Low-E Insulated Glass, Add	*316.21*	
		For Obscure Glass, Add	*347.83*	
08 54 13 00-0071	EA	36" x 60", New Construction, Single Hung Fiberglass Window	1,528.95	93.09
		For Colored Vinyl, Add	*134.28*	
		For Tinted Glass, Add	*161.13*	
		For Low-E Insulated Glass, Add	*335.69*	
		For Obscure Glass, Add	*369.26*	
08 54 13 00-0072	EA	44" x 60", New Construction, Single Hung Fiberglass Window	1,655.20	98.82
		For Colored Vinyl, Add	*145.76*	
		For Tinted Glass, Add	*174.91*	
		For Low-E Insulated Glass, Add	*364.39*	
		For Obscure Glass, Add	*400.83*	
08 54 13 00-0073		**62" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0074	EA	24" x 62", New Construction, Single Hung Fiberglass Window	1,345.67	85.93
		For Colored Vinyl, Add	*117.38*	
		For Tinted Glass, Add	*140.86*	
		For Low-E Insulated Glass, Add	*293.45*	
		For Obscure Glass, Add	*322.80*	
08 54 13 00-0075	EA	28" x 62", New Construction, Single Hung Fiberglass Window	1,402.88	88.80
		For Colored Vinyl, Add	*122.53*	
		For Tinted Glass, Add	*147.03*	
		For Low-E Insulated Glass, Add	*306.32*	
		For Obscure Glass, Add	*336.95*	
08 54 13 00-0076	EA	30" x 62", New Construction, Single Hung Fiberglass Window	1,441.65	90.23
		For Colored Vinyl, Add	*126.12*	
		For Tinted Glass, Add	*151.34*	
		For Low-E Insulated Glass, Add	*315.30*	
		For Obscure Glass, Add	*346.83*	
08 54 13 00-0077	EA	32" x 62", New Construction, Single Hung Fiberglass Window	1,466.98	91.66
		For Colored Vinyl, Add	*128.37*	
		For Tinted Glass, Add	*154.04*	
		For Low-E Insulated Glass, Add	*320.92*	
		For Obscure Glass, Add	*353.01*	
08 54 13 00-0078	EA	36" x 62", New Construction, Single Hung Fiberglass Window	1,551.81	94.52
		For Colored Vinyl, Add	*136.28*	
		For Tinted Glass, Add	*163.53*	
		For Low-E Insulated Glass, Add	*340.69*	
		For Obscure Glass, Add	*374.76*	
08 54 13 00-0079	EA	44" x 62", New Construction, Single Hung Fiberglass Window	1,679.80	100.26
		For Colored Vinyl, Add	*147.93*	
		For Tinted Glass, Add	*177.52*	
		For Low-E Insulated Glass, Add	*369.83*	
		For Obscure Glass, Add	*406.81*	
08 54 13 00-0080		**66" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0081	EA	24" x 66", New Construction, Single Hung Fiberglass Window	1,387.10	88.80
		For Colored Vinyl, Add	*120.95*	
		For Tinted Glass, Add	*145.14*	
		For Low-E Insulated Glass, Add	*302.38*	
		For Obscure Glass, Add	*332.62*	
08 54 13 00-0082	EA	28" x 66", New Construction, Single Hung Fiberglass Window	1,444.37	91.66
		For Colored Vinyl, Add	*126.11*	
		For Tinted Glass, Add	*151.33*	
		For Low-E Insulated Glass, Add	*315.26*	
		For Obscure Glass, Add	*346.79*	
08 54 13 00-0083	EA	30" x 66", New Construction, Single Hung Fiberglass Window	1,485.40	93.09
		For Colored Vinyl, Add	*129.92*	
		For Tinted Glass, Add	*155.91*	
		For Low-E Insulated Glass, Add	*324.81*	
		For Obscure Glass, Add	*357.29*	
08 54 13 00-0084	EA	32" x 66", New Construction, Single Hung Fiberglass Window	1,510.74	94.52
		For Colored Vinyl, Add	*132.17*	
		For Tinted Glass, Add	*158.60*	
		For Low-E Insulated Glass, Add	*330.42*	
		For Obscure Glass, Add	*363.46*	
08 54 13 00-0085	EA	36" x 66", New Construction, Single Hung Fiberglass Window	1,598.18	97.38
		For Colored Vinyl, Add	*140.34*	
		For Tinted Glass, Add	*168.41*	
		For Low-E Insulated Glass, Add	*350.85*	
		For Obscure Glass, Add	*385.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0086	EA	44" x 66", New Construction, Single Hung Fiberglass Window	1,729.22	103.12
		For Colored Vinyl, Add	*152.30*	
		For Tinted Glass, Add	*182.76*	
		For Low-E Insulated Glass, Add	*380.75*	
		For Obscure Glass, Add	*418.82*	
08 54 13 00-0087		72" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0088	EA	24" x 72", New Construction, Single Hung Fiberglass Window	1,450.14	93.09
		For Colored Vinyl, Add	*126.40*	
		For Tinted Glass, Add	*151.68*	
		For Low-E Insulated Glass, Add	*315.99*	
		For Obscure Glass, Add	*347.59*	
08 54 13 00-0089	EA	28" x 72", New Construction, Single Hung Fiberglass Window	1,507.35	95.95
		For Colored Vinyl, Add	*131.54*	
		For Tinted Glass, Add	*157.85*	
		For Low-E Insulated Glass, Add	*328.86*	
		For Obscure Glass, Add	*361.74*	
08 54 13 00-0090	EA	30" x 72", New Construction, Single Hung Fiberglass Window	1,548.38	97.38
		For Colored Vinyl, Add	*135.36*	
		For Tinted Glass, Add	*162.43*	
		For Low-E Insulated Glass, Add	*338.40*	
		For Obscure Glass, Add	*372.24*	
08 54 13 00-0091	EA	32" x 72", New Construction, Single Hung Fiberglass Window	1,573.78	98.82
		For Colored Vinyl, Add	*137.61*	
		For Tinted Glass, Add	*165.14*	
		For Low-E Insulated Glass, Add	*344.04*	
		For Obscure Glass, Add	*378.44*	
08 54 13 00-0092	EA	36" x 72", New Construction, Single Hung Fiberglass Window	1,661.22	101.69
		For Colored Vinyl, Add	*145.79*	
		For Tinted Glass, Add	*174.94*	
		For Low-E Insulated Glass, Add	*364.46*	
		For Obscure Glass, Add	*400.91*	
08 54 13 00-0093	EA	44" x 72", New Construction, Single Hung Fiberglass Window	1,792.27	107.41
		For Colored Vinyl, Add	*157.74*	
		For Tinted Glass, Add	*189.29*	
		For Low-E Insulated Glass, Add	*394.36*	
		For Obscure Glass, Add	*433.80*	
08 54 13 00-0094		Replacement, Single Hung Fiberglass Windows *(08 54 13 00-0001)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,633.75	75.19
		For Colored Vinyl, Add	*148.34*	
		For Tinted Glass, Add	*178.00*	
		For Low-E Insulated Glass, Add	*370.84*	
		For Obscure Glass, Add	*407.93*	
08 54 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Fiberglass Window	1,791.07	82.35
		For Colored Vinyl, Add	*162.64*	
		For Tinted Glass, Add	*195.16*	
		For Low-E Insulated Glass, Add	*406.59*	
		For Obscure Glass, Add	*447.25*	
08 54 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Fiberglass Window	1,933.85	89.51
		For Colored Vinyl, Add	*175.48*	
		For Tinted Glass, Add	*210.58*	
		For Low-E Insulated Glass, Add	*438.71*	
		For Obscure Glass, Add	*482.58*	
08 54 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Fiberglass Window	2,025.83	96.67
		For Colored Vinyl, Add	*183.25*	
		For Tinted Glass, Add	*219.90*	
		For Low-E Insulated Glass, Add	*458.12*	
		For Obscure Glass, Add	*503.93*	
08 54 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Fiberglass Window	2,123.60	103.84
		For Colored Vinyl, Add	*191.59*	
		For Tinted Glass, Add	*229.91*	
		For Low-E Insulated Glass, Add	*478.99*	
		For Obscure Glass, Add	*526.88*	
08 54 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Fiberglass Window	2,312.11	110.99
		For Colored Vinyl, Add	*209.01*	
		For Tinted Glass, Add	*250.81*	
		For Low-E Insulated Glass, Add	*522.53*	
		For Obscure Glass, Add	*574.78*	
08 54 13 00-0101	UI	>120" UI, Replacement, Single Hung Fiberglass Window	19.32	0.93
		For Colored Vinyl, Add	*1.75*	
		For Tinted Glass, Add	*2.09*	
		For Low-E Insulated Glass, Add	*4.36*	
		For Obscure Glass, Add	*4.80*	
08 54 13 00-0102		New Construction, Single Hung Fiberglass Windows (Anderson Windows) *(08 54 13 00-0001)* Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0103	EA	Up To 73" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	787.68	75.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0104	EA	>73" To 83" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	863.42	82.35
08 54 13 00-0105	EA	>83" To 93" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	932.93	89.51
08 54 13 00-0106	EA	>93" To 101" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	980.61	96.67
08 54 13 00-0107	EA	>101" To 110" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	1,030.79	103.84
08 54 13 00-0108	EA	>110" To 120" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	1,119.94	110.99
08 54 13 00-0109	UI	>120" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	9.35	0.93
08 54 13 00-0110		Double Hung Fiberglass Windows *(08 54 13)*		
08 54 13 00-0111		New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0110)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0112		34" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0113	EA	24" x 34", New Construction, Double Hung Fiberglass Window	1,614.55	65.88
		For Colored Vinyl, Add	*148.28*	
		For Tinted Glass, Add	*177.93*	
		For Low-E Insulated Glass, Add	*370.70*	
		For Obscure Glass, Add	*407.77*	
08 54 13 00-0114	EA	28" x 34", New Construction, Double Hung Fiberglass Window	1,671.82	68.74
		For Colored Vinyl, Add	*153.43*	
		For Tinted Glass, Add	*184.12*	
		For Low-E Insulated Glass, Add	*383.58*	
		For Obscure Glass, Add	*421.94*	
08 54 13 00-0115	EA	30" x 34", New Construction, Double Hung Fiberglass Window	1,699.33	70.18
		For Colored Vinyl, Add	*155.90*	
		For Tinted Glass, Add	*187.08*	
		For Low-E Insulated Glass, Add	*389.75*	
		For Obscure Glass, Add	*428.72*	
08 54 13 00-0116	EA	32" x 34", New Construction, Double Hung Fiberglass Window	1,724.74	71.61
		For Colored Vinyl, Add	*158.15*	
		For Tinted Glass, Add	*189.78*	
		For Low-E Insulated Glass, Add	*395.38*	
		For Obscure Glass, Add	*434.92*	
08 54 13 00-0117	EA	36" x 34", New Construction, Double Hung Fiberglass Window	1,788.63	74.47
		For Colored Vinyl, Add	*163.97*	
		For Tinted Glass, Add	*196.76*	
		For Low-E Insulated Glass, Add	*409.92*	
		For Obscure Glass, Add	*450.91*	
08 54 13 00-0118	EA	44" x 34", New Construction, Double Hung Fiberglass Window	1,889.06	80.21
		For Colored Vinyl, Add	*172.87*	
		For Tinted Glass, Add	*207.44*	
		For Low-E Insulated Glass, Add	*432.17*	
		For Obscure Glass, Add	*475.38*	
08 54 13 00-0119		36" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0120	EA	24" x 36", New Construction, Double Hung Fiberglass Window	1,635.58	67.31
		For Colored Vinyl, Add	*150.10*	
		For Tinted Glass, Add	*180.12*	
		For Low-E Insulated Glass, Add	*375.24*	
		For Obscure Glass, Add	*412.76*	
08 54 13 00-0121	EA	28" x 36", New Construction, Double Hung Fiberglass Window	1,692.86	70.18
		For Colored Vinyl, Add	*155.25*	
		For Tinted Glass, Add	*186.30*	
		For Low-E Insulated Glass, Add	*388.13*	
		For Obscure Glass, Add	*426.94*	
08 54 13 00-0122	EA	30" x 36", New Construction, Double Hung Fiberglass Window	1,720.37	71.61
		For Colored Vinyl, Add	*157.72*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.29*	
		For Obscure Glass, Add	*433.72*	
08 54 13 00-0123	EA	32" x 36", New Construction, Double Hung Fiberglass Window	1,745.71	73.04
		For Colored Vinyl, Add	*159.96*	
		For Tinted Glass, Add	*191.95*	
		For Low-E Insulated Glass, Add	*399.91*	
		For Obscure Glass, Add	*439.90*	
08 54 13 00-0124	EA	36" x 36", New Construction, Double Hung Fiberglass Window	1,809.66	75.90
		For Colored Vinyl, Add	*165.79*	
		For Tinted Glass, Add	*198.94*	
		For Low-E Insulated Glass, Add	*414.46*	
		For Obscure Glass, Add	*455.91*	
08 54 13 00-0125	EA	44" x 36", New Construction, Double Hung Fiberglass Window	1,910.10	81.64
		For Colored Vinyl, Add	*174.68*	
		For Tinted Glass, Add	*209.62*	
		For Low-E Insulated Glass, Add	*436.71*	
		For Obscure Glass, Add	*480.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0126		**38" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0127	EA	24" x 38", New Construction, Double Hung Fiberglass Window	1,653.94	68.74
		For Colored Vinyl, Add	*151.65*	
		For Tinted Glass, Add	*181.97*	
		For Low-E Insulated Glass, Add	*379.11*	
		For Obscure Glass, Add	*417.02*	
08 54 13 00-0128	EA	28" x 38", New Construction, Double Hung Fiberglass Window	1,711.21	71.61
		For Colored Vinyl, Add	*156.80*	
		For Tinted Glass, Add	*188.16*	
		For Low-E Insulated Glass, Add	*392.00*	
		For Obscure Glass, Add	*431.20*	
08 54 13 00-0129	EA	30" x 38", New Construction, Double Hung Fiberglass Window	1,739.82	73.04
		For Colored Vinyl, Add	*159.37*	
		For Tinted Glass, Add	*191.25*	
		For Low-E Insulated Glass, Add	*398.43*	
		For Obscure Glass, Add	*438.28*	
08 54 13 00-0130	EA	32" x 38", New Construction, Double Hung Fiberglass Window	1,765.14	74.47
		For Colored Vinyl, Add	*161.62*	
		For Tinted Glass, Add	*193.94*	
		For Low-E Insulated Glass, Add	*404.05*	
		For Obscure Glass, Add	*444.45*	
08 54 13 00-0131	EA	36" x 38", New Construction, Double Hung Fiberglass Window	1,830.56	77.34
		For Colored Vinyl, Add	*167.59*	
		For Tinted Glass, Add	*201.11*	
		For Low-E Insulated Glass, Add	*418.97*	
		For Obscure Glass, Add	*460.87*	
08 54 13 00-0132	EA	44" x 38", New Construction, Double Hung Fiberglass Window	1,932.39	83.07
		For Colored Vinyl, Add	*176.63*	
		For Tinted Glass, Add	*211.95*	
		For Low-E Insulated Glass, Add	*441.56*	
		For Obscure Glass, Add	*485.72*	
08 54 13 00-0133		**44" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0134	EA	24" x 44", New Construction, Double Hung Fiberglass Window	1,719.03	73.04
		For Colored Vinyl, Add	*157.29*	
		For Tinted Glass, Add	*188.75*	
		For Low-E Insulated Glass, Add	*393.24*	
		For Obscure Glass, Add	*432.56*	
08 54 13 00-0135	EA	28" x 44", New Construction, Double Hung Fiberglass Window	1,776.29	75.90
		For Colored Vinyl, Add	*162.45*	
		For Tinted Glass, Add	*194.94*	
		For Low-E Insulated Glass, Add	*406.12*	
		For Obscure Glass, Add	*446.73*	
08 54 13 00-0136	EA	30" x 44", New Construction, Double Hung Fiberglass Window	1,798.86	77.34
		For Colored Vinyl, Add	*164.42*	
		For Tinted Glass, Add	*197.30*	
		For Low-E Insulated Glass, Add	*411.05*	
		For Obscure Glass, Add	*452.15*	
08 54 13 00-0137	EA	32" x 44", New Construction, Double Hung Fiberglass Window	1,824.26	78.77
		For Colored Vinyl, Add	*166.67*	
		For Tinted Glass, Add	*200.01*	
		For Low-E Insulated Glass, Add	*416.68*	
		For Obscure Glass, Add	*458.35*	
08 54 13 00-0138	EA	36" x 44", New Construction, Double Hung Fiberglass Window	1,892.79	81.64
		For Colored Vinyl, Add	*172.95*	
		For Tinted Glass, Add	*207.54*	
		For Low-E Insulated Glass, Add	*432.38*	
		For Obscure Glass, Add	*475.62*	
08 54 13 00-0139	EA	44" x 44", New Construction, Double Hung Fiberglass Window	2,001.97	87.36
		For Colored Vinyl, Add	*182.72*	
		For Tinted Glass, Add	*219.27*	
		For Low-E Insulated Glass, Add	*456.81*	
		For Obscure Glass, Add	*502.49*	
08 54 13 00-0140		**46" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0141	EA	24" x 46", New Construction, Double Hung Fiberglass Window	1,737.30	74.47
		For Colored Vinyl, Add	*158.84*	
		For Tinted Glass, Add	*190.60*	
		For Low-E Insulated Glass, Add	*397.09*	
		For Obscure Glass, Add	*436.80*	
08 54 13 00-0142	EA	28" x 46", New Construction, Double Hung Fiberglass Window	1,794.50	77.34
		For Colored Vinyl, Add	*163.98*	
		For Tinted Glass, Add	*196.78*	
		For Low-E Insulated Glass, Add	*409.96*	
		For Obscure Glass, Add	*450.95*	
08 54 13 00-0143	EA	30" x 46", New Construction, Double Hung Fiberglass Window	1,818.74	78.77
		For Colored Vinyl, Add	*166.12*	
		For Tinted Glass, Add	*199.34*	
		For Low-E Insulated Glass, Add	*415.30*	
		For Obscure Glass, Add	*456.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0144	EA	32" x 46", New Construction, Double Hung Fiberglass Window	1,844.06	80.21
		For Colored Vinyl, Add	*168.37*	
		For Tinted Glass, Add	*202.04*	
		For Low-E Insulated Glass, Add	*420.92*	
		For Obscure Glass, Add	*463.01*	
08 54 13 00-0145	EA	36" x 46", New Construction, Double Hung Fiberglass Window	1,913.70	83.07
		For Colored Vinyl, Add	*174.76*	
		For Tinted Glass, Add	*209.71*	
		For Low-E Insulated Glass, Add	*436.89*	
		For Obscure Glass, Add	*480.58*	
08 54 13 00-0146	EA	44" x 46", New Construction, Double Hung Fiberglass Window	2,027.15	88.80
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.95*	
		For Low-E Insulated Glass, Add	*462.39*	
		For Obscure Glass, Add	*508.63*	
08 54 13 00-0147		48" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0148	EA	24" x 48", New Construction, Double Hung Fiberglass Window	1,755.79	75.90
		For Colored Vinyl, Add	*160.40*	
		For Tinted Glass, Add	*192.48*	
		For Low-E Insulated Glass, Add	*401.00*	
		For Obscure Glass, Add	*441.09*	
08 54 13 00-0149	EA	28" x 48", New Construction, Double Hung Fiberglass Window	1,813.06	78.77
		For Colored Vinyl, Add	*165.55*	
		For Tinted Glass, Add	*198.66*	
		For Low-E Insulated Glass, Add	*413.88*	
		For Obscure Glass, Add	*455.27*	
08 54 13 00-0150	EA	30" x 48", New Construction, Double Hung Fiberglass Window	1,838.17	80.21
		For Colored Vinyl, Add	*167.78*	
		For Tinted Glass, Add	*201.33*	
		For Low-E Insulated Glass, Add	*419.44*	
		For Obscure Glass, Add	*461.39*	
08 54 13 00-0151	EA	32" x 48", New Construction, Double Hung Fiberglass Window	1,863.49	81.64
		For Colored Vinyl, Add	*170.02*	
		For Tinted Glass, Add	*204.03*	
		For Low-E Insulated Glass, Add	*425.06*	
		For Obscure Glass, Add	*467.56*	
08 54 13 00-0152	EA	36" x 48", New Construction, Double Hung Fiberglass Window	1,934.52	84.50
		For Colored Vinyl, Add	*176.55*	
		For Tinted Glass, Add	*211.86*	
		For Low-E Insulated Glass, Add	*441.38*	
		For Obscure Glass, Add	*485.52*	
08 54 13 00-0153	EA	44" x 48", New Construction, Double Hung Fiberglass Window	2,051.82	90.23
		For Colored Vinyl, Add	*187.14*	
		For Tinted Glass, Add	*224.56*	
		For Low-E Insulated Glass, Add	*467.84*	
		For Obscure Glass, Add	*514.63*	
08 54 13 00-0154		50" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0155	EA	24" x 50", New Construction, Double Hung Fiberglass Window	1,774.07	77.34
		For Colored Vinyl, Add	*161.94*	
		For Tinted Glass, Add	*194.33*	
		For Low-E Insulated Glass, Add	*404.85*	
		For Obscure Glass, Add	*445.33*	
08 54 13 00-0156	EA	28" x 50", New Construction, Double Hung Fiberglass Window	1,831.34	80.21
		For Colored Vinyl, Add	*167.09*	
		For Tinted Glass, Add	*200.51*	
		For Low-E Insulated Glass, Add	*417.74*	
		For Obscure Glass, Add	*459.51*	
08 54 13 00-0157	EA	30" x 50", New Construction, Double Hung Fiberglass Window	1,857.82	81.64
		For Colored Vinyl, Add	*169.46*	
		For Tinted Glass, Add	*203.35*	
		For Low-E Insulated Glass, Add	*423.64*	
		For Obscure Glass, Add	*466.00*	
08 54 13 00-0158	EA	32" x 50", New Construction, Double Hung Fiberglass Window	1,883.24	83.07
		For Colored Vinyl, Add	*171.71*	
		For Tinted Glass, Add	*206.05*	
		For Low-E Insulated Glass, Add	*429.28*	
		For Obscure Glass, Add	*472.20*	
08 54 13 00-0159	EA	36" x 50", New Construction, Double Hung Fiberglass Window	1,955.41	85.93
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0160	EA	44" x 50", New Construction, Double Hung Fiberglass Window	2,076.86	91.66
		For Colored Vinyl, Add	*189.35*	
		For Tinted Glass, Add	*227.22*	
		For Low-E Insulated Glass, Add	*473.39*	
		For Obscure Glass, Add	*520.72*	
08 54 13 00-0161		52" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0162	EA	24" x 52", New Construction, Double Hung Fiberglass Window	1,792.49	78.77
		For Colored Vinyl, Add	*163.50*	
		For Tinted Glass, Add	*196.19*	
		For Low-E Insulated Glass, Add	*408.74*	
		For Obscure Glass, Add	*449.61*	
08 54 13 00-0163	EA	28" x 52", New Construction, Double Hung Fiberglass Window	1,849.68	81.64
		For Colored Vinyl, Add	*168.64*	
		For Tinted Glass, Add	*202.37*	
		For Low-E Insulated Glass, Add	*421.61*	
		For Obscure Glass, Add	*463.77*	
08 54 13 00-0164	EA	30" x 52", New Construction, Double Hung Fiberglass Window	1,877.28	83.07
		For Colored Vinyl, Add	*171.11*	
		For Tinted Glass, Add	*205.34*	
		For Low-E Insulated Glass, Add	*427.79*	
		For Obscure Glass, Add	*470.56*	
08 54 13 00-0165	EA	32" x 52", New Construction, Double Hung Fiberglass Window	1,902.60	84.50
		For Colored Vinyl, Add	*173.36*	
		For Tinted Glass, Add	*208.03*	
		For Low-E Insulated Glass, Add	*433.40*	
		For Obscure Glass, Add	*476.74*	
08 54 13 00-0166	EA	36" x 52", New Construction, Double Hung Fiberglass Window	1,978.71	87.36
		For Colored Vinyl, Add	*180.40*	
		For Tinted Glass, Add	*216.48*	
		For Low-E Insulated Glass, Add	*451.00*	
		For Obscure Glass, Add	*496.09*	
08 54 13 00-0167	EA	44" x 52", New Construction, Double Hung Fiberglass Window	2,101.39	93.09
		For Colored Vinyl, Add	*191.52*	
		For Tinted Glass, Add	*229.83*	
		For Low-E Insulated Glass, Add	*478.80*	
		For Obscure Glass, Add	*526.68*	
08 54 13 00-0168		**54" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0169	EA	24" x 54", New Construction, Double Hung Fiberglass Window	1,810.98	80.21
		For Colored Vinyl, Add	*165.06*	
		For Tinted Glass, Add	*198.07*	
		For Low-E Insulated Glass, Add	*412.65*	
		For Obscure Glass, Add	*453.91*	
08 54 13 00-0170	EA	28" x 54", New Construction, Double Hung Fiberglass Window	1,868.27	83.07
		For Colored Vinyl, Add	*170.21*	
		For Tinted Glass, Add	*204.26*	
		For Low-E Insulated Glass, Add	*425.53*	
		For Obscure Glass, Add	*468.09*	
08 54 13 00-0171	EA	30" x 54", New Construction, Double Hung Fiberglass Window	1,897.08	84.50
		For Colored Vinyl, Add	*172.81*	
		For Tinted Glass, Add	*207.37*	
		For Low-E Insulated Glass, Add	*432.02*	
		For Obscure Glass, Add	*475.22*	
08 54 13 00-0172	EA	32" x 54", New Construction, Double Hung Fiberglass Window	1,922.48	85.93
		For Colored Vinyl, Add	*175.06*	
		For Tinted Glass, Add	*210.07*	
		For Low-E Insulated Glass, Add	*437.66*	
		For Obscure Glass, Add	*481.42*	
08 54 13 00-0173	EA	36" x 54", New Construction, Double Hung Fiberglass Window	2,002.07	88.80
		For Colored Vinyl, Add	*182.45*	
		For Tinted Glass, Add	*218.94*	
		For Low-E Insulated Glass, Add	*456.12*	
		For Obscure Glass, Add	*501.73*	
08 54 13 00-0174	EA	44" x 54", New Construction, Double Hung Fiberglass Window	2,126.00	94.52
		For Colored Vinyl, Add	*193.70*	
		For Tinted Glass, Add	*232.43*	
		For Low-E Insulated Glass, Add	*484.24*	
		For Obscure Glass, Add	*532.66*	
08 54 13 00-0175		**60" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0176	EA	24" x 60", New Construction, Double Hung Fiberglass Window	1,866.47	84.50
		For Colored Vinyl, Add	*169.75*	
		For Tinted Glass, Add	*203.70*	
		For Low-E Insulated Glass, Add	*424.37*	
		For Obscure Glass, Add	*466.80*	
08 54 13 00-0177	EA	28" x 60", New Construction, Double Hung Fiberglass Window	1,923.75	87.36
		For Colored Vinyl, Add	*174.90*	
		For Tinted Glass, Add	*209.88*	
		For Low-E Insulated Glass, Add	*437.26*	
		For Obscure Glass, Add	*480.98*	
08 54 13 00-0178	EA	30" x 60", New Construction, Double Hung Fiberglass Window	1,961.14	88.80
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0179	EA	32" x 60", New Construction, Double Hung Fiberglass Window	1,986.46	90.23
		For Colored Vinyl, Add	*180.60*	
		For Tinted Glass, Add	*216.72*	
		For Low-E Insulated Glass, Add	*451.50*	
		For Obscure Glass, Add	*496.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0180	EA	36" x 60", New Construction, Double Hung Fiberglass Window	2,071.65	93.09
		For Colored Vinyl, Add	*188.55*	
		For Tinted Glass, Add	*226.26*	
		For Low-E Insulated Glass, Add	*471.37*	
		For Obscure Glass, Add	*518.50*	
08 54 13 00-0181	EA	44" x 60", New Construction, Double Hung Fiberglass Window	2,200.23	98.82
		For Colored Vinyl, Add	*200.26*	
		For Tinted Glass, Add	*240.31*	
		For Low-E Insulated Glass, Add	*500.65*	
		For Obscure Glass, Add	*550.71*	
08 54 13 00-0182		**62" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0183	EA	24" x 62", New Construction, Double Hung Fiberglass Window	1,884.89	85.93
		For Colored Vinyl, Add	*171.30*	
		For Tinted Glass, Add	*205.56*	
		For Low-E Insulated Glass, Add	*428.26*	
		For Obscure Glass, Add	*471.08*	
08 54 13 00-0184	EA	28" x 62", New Construction, Double Hung Fiberglass Window	1,942.09	88.80
		For Colored Vinyl, Add	*176.45*	
		For Tinted Glass, Add	*211.74*	
		For Low-E Insulated Glass, Add	*441.13*	
		For Obscure Glass, Add	*485.24*	
08 54 13 00-0185	EA	30" x 62", New Construction, Double Hung Fiberglass Window	1,983.05	90.23
		For Colored Vinyl, Add	*180.26*	
		For Tinted Glass, Add	*216.31*	
		For Low-E Insulated Glass, Add	*450.65*	
		For Obscure Glass, Add	*495.72*	
08 54 13 00-0186	EA	32" x 62", New Construction, Double Hung Fiberglass Window	2,008.38	91.66
		For Colored Vinyl, Add	*182.51*	
		For Tinted Glass, Add	*219.01*	
		For Low-E Insulated Glass, Add	*456.27*	
		For Obscure Glass, Add	*501.89*	
08 54 13 00-0187	EA	36" x 62", New Construction, Double Hung Fiberglass Window	2,094.66	94.52
		For Colored Vinyl, Add	*190.56*	
		For Tinted Glass, Add	*228.67*	
		For Low-E Insulated Glass, Add	*476.40*	
		For Obscure Glass, Add	*524.04*	
08 54 13 00-0188	EA	44" x 62", New Construction, Double Hung Fiberglass Window	2,227.74	100.26
		For Colored Vinyl, Add	*202.72*	
		For Tinted Glass, Add	*243.27*	
		For Low-E Insulated Glass, Add	*506.81*	
		For Obscure Glass, Add	*557.49*	
08 54 13 00-0189		**66" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0190	EA	24" x 66", New Construction, Double Hung Fiberglass Window	1,926.90	88.80
		For Colored Vinyl, Add	*174.93*	
		For Tinted Glass, Add	*209.92*	
		For Low-E Insulated Glass, Add	*437.33*	
		For Obscure Glass, Add	*481.06*	
08 54 13 00-0191	EA	28" x 66", New Construction, Double Hung Fiberglass Window	1,984.17	91.66
		For Colored Vinyl, Add	*180.09*	
		For Tinted Glass, Add	*216.10*	
		For Low-E Insulated Glass, Add	*450.21*	
		For Obscure Glass, Add	*495.23*	
08 54 13 00-0192	EA	30" x 66", New Construction, Double Hung Fiberglass Window	2,026.94	93.09
		For Colored Vinyl, Add	*184.08*	
		For Tinted Glass, Add	*220.89*	
		For Low-E Insulated Glass, Add	*460.19*	
		For Obscure Glass, Add	*506.21*	
08 54 13 00-0193	EA	32" x 66", New Construction, Double Hung Fiberglass Window	2,052.28	94.52
		For Colored Vinyl, Add	*186.32*	
		For Tinted Glass, Add	*223.59*	
		For Low-E Insulated Glass, Add	*465.81*	
		For Obscure Glass, Add	*512.39*	
08 54 13 00-0194	EA	36" x 66", New Construction, Double Hung Fiberglass Window	2,141.32	97.38
		For Colored Vinyl, Add	*194.65*	
		For Tinted Glass, Add	*233.58*	
		For Low-E Insulated Glass, Add	*486.64*	
		For Obscure Glass, Add	*535.30*	
08 54 13 00-0195	EA	44" x 66", New Construction, Double Hung Fiberglass Window	2,280.51	103.12
		For Colored Vinyl, Add	*207.43*	
		For Tinted Glass, Add	*248.91*	
		For Low-E Insulated Glass, Add	*518.57*	
		For Obscure Glass, Add	*570.43*	
08 54 13 00-0196		**72" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0197	EA	24" x 72", New Construction, Double Hung Fiberglass Window	1,989.94	93.09
		For Colored Vinyl, Add	*180.38*	
		For Tinted Glass, Add	*216.45*	
		For Low-E Insulated Glass, Add	*450.94*	
		For Obscure Glass, Add	*496.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0198	EA	28" x 72", New Construction, Double Hung Fiberglass Window	2,047.15	95.95
		For Colored Vinyl, Add	*185.52*	
		For Tinted Glass, Add	*222.63*	
		For Low-E Insulated Glass, Add	*463.81*	
		For Obscure Glass, Add	*510.19*	
08 54 13 00-0199	EA	30" x 72", New Construction, Double Hung Fiberglass Window	2,089.92	97.38
		For Colored Vinyl, Add	*189.51*	
		For Tinted Glass, Add	*227.42*	
		For Low-E Insulated Glass, Add	*473.79*	
		For Obscure Glass, Add	*521.16*	
08 54 13 00-0200	EA	32" x 72", New Construction, Double Hung Fiberglass Window	2,115.32	98.82
		For Colored Vinyl, Add	*191.77*	
		For Tinted Glass, Add	*230.12*	
		For Low-E Insulated Glass, Add	*479.42*	
		For Obscure Glass, Add	*527.36*	
08 54 13 00-0201	EA	36" x 72", New Construction, Double Hung Fiberglass Window	2,204.36	101.69
		For Colored Vinyl, Add	*200.10*	
		For Tinted Glass, Add	*240.12*	
		For Low-E Insulated Glass, Add	*500.25*	
		For Obscure Glass, Add	*550.27*	
08 54 13 00-0202	EA	44" x 72", New Construction, Double Hung Fiberglass Window	2,343.56	107.41
		For Colored Vinyl, Add	*212.87*	
		For Tinted Glass, Add	*255.45*	
		For Low-E Insulated Glass, Add	*532.18*	
		For Obscure Glass, Add	*585.40*	

08 54 13 00-0203 Replacement, Double Hung Fiberglass Windows *(08 54 13 00-0110)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0204	EA	Up To 73" UI, Replacement, Double Hung Fiberglass Window	2,004.59	75.19
		For Colored Vinyl, Add	*185.42*	
		For Tinted Glass, Add	*222.51*	
		For Low-E Insulated Glass, Add	*463.55*	
		For Obscure Glass, Add	*509.91*	
08 54 13 00-0205	EA	>73" To 83" UI, Replacement, Double Hung Fiberglass Window	2,212.73	82.35
		For Colored Vinyl, Add	*204.80*	
		For Tinted Glass, Add	*245.76*	
		For Low-E Insulated Glass, Add	*512.01*	
		For Obscure Glass, Add	*563.21*	
08 54 13 00-0206	EA	>83" To 93" UI, Replacement, Double Hung Fiberglass Window	2,406.26	89.51
		For Colored Vinyl, Add	*222.72*	
		For Tinted Glass, Add	*267.27*	
		For Low-E Insulated Glass, Add	*556.81*	
		For Obscure Glass, Add	*612.49*	
08 54 13 00-0207	EA	>93" To 101" UI, Replacement, Double Hung Fiberglass Window	2,538.87	96.67
		For Colored Vinyl, Add	*234.55*	
		For Tinted Glass, Add	*281.46*	
		For Low-E Insulated Glass, Add	*586.38*	
		For Obscure Glass, Add	*645.02*	
08 54 13 00-0208	EA	>101" To 110" UI, Replacement, Double Hung Fiberglass Window	2,682.37	103.84
		For Colored Vinyl, Add	*247.47*	
		For Tinted Glass, Add	*296.97*	
		For Low-E Insulated Glass, Add	*618.68*	
		For Obscure Glass, Add	*680.55*	
08 54 13 00-0209	EA	>110" To 120" UI, Replacement, Double Hung Fiberglass Window	2,921.70	110.99
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0210	UI	>120" UI, Replacement, Double Hung Fiberglass Window	24.33	0.93
		For Colored Vinyl, Add	*2.25*	
		For Tinted Glass, Add	*2.70*	
		For Low-E Insulated Glass, Add	*5.62*	
		For Obscure Glass, Add	*6.18*	

08 54 13 00-0211 New Construction, Double Hung Fiberglass Windows (Anderson Windows)

(08 54 13 00-0110)

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0212	EA	Up To 73" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	947.01	75.19
08 54 13 00-0213	EA	>73" To 83" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,044.56	82.35
08 54 13 00-0214	EA	>83" To 93" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,135.91	89.51
08 54 13 00-0215	EA	>93" To 101" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,201.05	96.67
08 54 13 00-0216	EA	>101" To 110" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,270.85	103.84
08 54 13 00-0217	EA	>110" To 120" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,381.83	110.99
08 54 13 00-0218	UI	>120" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	11.54	0.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0219		**Casement Fiberglass Windows** *(08 54 13)*		
08 54 13 00-0220		**New Construction, Casement Fiberglass Windows** *(08 54 13 00-0219)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0221		**One Operating Sash, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0220)*		
08 54 13 00-0222		**24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0221)*		
08 54 13 00-0223	EA	17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,504.56	54.42
		For Colored Vinyl, Add	*139.72*	
		For Tinted Glass, Add	*167.66*	
		For Low-E Insulated Glass, Add	*349.29*	
		For Obscure Glass, Add	*384.22*	
08 54 13 00-0224	EA	20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,556.04	55.86
		For Colored Vinyl, Add	*144.43*	
		For Tinted Glass, Add	*173.32*	
		For Low-E Insulated Glass, Add	*361.08*	
		For Obscure Glass, Add	*397.19*	
08 54 13 00-0225	EA	24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,608.95	58.72
		For Colored Vinyl, Add	*149.15*	
		For Tinted Glass, Add	*178.98*	
		For Low-E Insulated Glass, Add	*372.88*	
		For Obscure Glass, Add	*410.17*	
08 54 13 00-0226	EA	28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,713.85	61.59
		For Colored Vinyl, Add	*159.07*	
		For Tinted Glass, Add	*190.88*	
		For Low-E Insulated Glass, Add	*397.67*	
		For Obscure Glass, Add	*437.44*	
08 54 13 00-0227		**28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0221)*		
08 54 13 00-0228	EA	17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,598.11	57.29
		For Colored Vinyl, Add	*148.50*	
		For Tinted Glass, Add	*178.20*	
		For Low-E Insulated Glass, Add	*371.24*	
		For Obscure Glass, Add	*408.37*	
08 54 13 00-0229	EA	20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,654.97	58.72
		For Colored Vinyl, Add	*153.75*	
		For Tinted Glass, Add	*184.50*	
		For Low-E Insulated Glass, Add	*384.38*	
		For Obscure Glass, Add	*422.82*	
08 54 13 00-0230	EA	24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,713.12	61.59
		For Colored Vinyl, Add	*159.00*	
		For Tinted Glass, Add	*190.79*	
		For Low-E Insulated Glass, Add	*397.49*	
		For Obscure Glass, Add	*437.24*	
08 54 13 00-0231	EA	28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,824.34	64.45
		For Colored Vinyl, Add	*169.54*	
		For Tinted Glass, Add	*203.45*	
		For Low-E Insulated Glass, Add	*423.86*	
		For Obscure Glass, Add	*466.25*	
08 54 13 00-0232		**36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0221)*		
08 54 13 00-0233	EA	17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,702.50	61.59
		For Colored Vinyl, Add	*157.93*	
		For Tinted Glass, Add	*189.52*	
		For Low-E Insulated Glass, Add	*394.83*	
		For Obscure Glass, Add	*434.32*	
08 54 13 00-0234	EA	20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,761.98	64.45
		For Colored Vinyl, Add	*163.45*	
		For Tinted Glass, Add	*196.14*	
		For Low-E Insulated Glass, Add	*408.63*	
		For Obscure Glass, Add	*449.49*	
08 54 13 00-0235	EA	24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,822.96	66.60
		For Colored Vinyl, Add	*168.98*	
		For Tinted Glass, Add	*202.77*	
		For Low-E Insulated Glass, Add	*422.44*	
		For Obscure Glass, Add	*464.69*	
08 54 13 00-0236	EA	28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,939.34	69.46
		For Colored Vinyl, Add	*180.04*	
		For Tinted Glass, Add	*216.05*	
		For Low-E Insulated Glass, Add	*450.11*	
		For Obscure Glass, Add	*495.12*	
08 54 13 00-0237		**40" Height, One Operating Sash, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0221)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0238	EA	17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,800.69	65.88
		For Colored Vinyl, Add	*167.04*	
		For Tinted Glass, Add	*200.44*	
		For Low-E Insulated Glass, Add	*417.59*	
		For Obscure Glass, Add	*459.35*	
08 54 13 00-0239	EA	20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,863.86	67.31
		For Colored Vinyl, Add	*172.92*	
		For Tinted Glass, Add	*207.51*	
		For Low-E Insulated Glass, Add	*432.31*	
		For Obscure Glass, Add	*475.54*	
08 54 13 00-0240	EA	24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,928.55	70.18
		For Colored Vinyl, Add	*178.82*	
		For Tinted Glass, Add	*214.58*	
		For Low-E Insulated Glass, Add	*447.05*	
		For Obscure Glass, Add	*491.76*	
08 54 13 00-0241	EA	28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	2,055.34	73.04
		For Colored Vinyl, Add	*190.93*	
		For Tinted Glass, Add	*229.11*	
		For Low-E Insulated Glass, Add	*477.31*	
		For Obscure Glass, Add	*525.04*	

08 54 13 00-0242 48" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0243	EA	17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,904.03	71.61
		For Colored Vinyl, Add	*176.23*	
		For Tinted Glass, Add	*211.47*	
		For Low-E Insulated Glass, Add	*440.56*	
		For Obscure Glass, Add	*484.62*	
08 54 13 00-0244	EA	20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,970.42	73.04
		For Colored Vinyl, Add	*182.43*	
		For Tinted Glass, Add	*218.92*	
		For Low-E Insulated Glass, Add	*456.08*	
		For Obscure Glass, Add	*501.69*	
08 54 13 00-0245	EA	24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,038.45	75.90
		For Colored Vinyl, Add	*188.66*	
		For Tinted Glass, Add	*226.40*	
		For Low-E Insulated Glass, Add	*471.66*	
		For Obscure Glass, Add	*518.83*	
08 54 13 00-0246	EA	28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,178.96	78.77
		For Colored Vinyl, Add	*202.14*	
		For Tinted Glass, Add	*242.57*	
		For Low-E Insulated Glass, Add	*505.36*	
		For Obscure Glass, Add	*555.89*	

08 54 13 00-0247 52" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0248	EA	17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,001.15	74.47
		For Colored Vinyl, Add	*185.36*	
		For Tinted Glass, Add	*222.44*	
		For Low-E Insulated Glass, Add	*463.41*	
		For Obscure Glass, Add	*509.75*	
08 54 13 00-0249	EA	20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,071.96	75.90
		For Colored Vinyl, Add	*192.02*	
		For Tinted Glass, Add	*230.42*	
		For Low-E Insulated Glass, Add	*480.04*	
		For Obscure Glass, Add	*528.04*	
08 54 13 00-0250	EA	24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,143.99	78.77
		For Colored Vinyl, Add	*198.65*	
		For Tinted Glass, Add	*238.37*	
		For Low-E Insulated Glass, Add	*496.61*	
		For Obscure Glass, Add	*546.27*	
08 54 13 00-0251	EA	28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,287.19	81.64
		For Colored Vinyl, Add	*212.39*	
		For Tinted Glass, Add	*254.87*	
		For Low-E Insulated Glass, Add	*530.98*	
		For Obscure Glass, Add	*584.08*	

08 54 13 00-0252 60" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0253	EA	17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,102.63	78.77
		For Colored Vinyl, Add	*194.51*	
		For Tinted Glass, Add	*233.41*	
		For Low-E Insulated Glass, Add	*486.27*	
		For Obscure Glass, Add	*534.90*	
08 54 13 00-0254	EA	20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,177.58	81.64
		For Colored Vinyl, Add	*201.58*	
		For Tinted Glass, Add	*241.89*	
		For Low-E Insulated Glass, Add	*503.94*	
		For Obscure Glass, Add	*554.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0255	EA	24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,254.06	83.78
		For Colored Vinyl, Add	*208.65*	
		For Tinted Glass, Add	*250.38*	
		For Low-E Insulated Glass, Add	*521.62*	
		For Obscure Glass, Add	*573.78*	
08 54 13 00-0256	EA	28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,399.66	86.65
		For Colored Vinyl, Add	*222.64*	
		For Tinted Glass, Add	*267.16*	
		For Low-E Insulated Glass, Add	*556.59*	
		For Obscure Glass, Add	*612.25*	
08 54 13 00-0257		64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*		
08 54 13 00-0258	EA	17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,199.06	83.07
		For Colored Vinyl, Add	*203.44*	
		For Tinted Glass, Add	*244.12*	
		For Low-E Insulated Glass, Add	*508.59*	
		For Obscure Glass, Add	*559.45*	
08 54 13 00-0259	EA	20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,276.21	84.50
		For Colored Vinyl, Add	*210.72*	
		For Tinted Glass, Add	*252.87*	
		For Low-E Insulated Glass, Add	*526.80*	
		For Obscure Glass, Add	*579.48*	
08 54 13 00-0260	EA	24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,358.42	87.36
		For Colored Vinyl, Add	*218.37*	
		For Tinted Glass, Add	*262.04*	
		For Low-E Insulated Glass, Add	*545.92*	
		For Obscure Glass, Add	*600.51*	
08 54 13 00-0261	EA	28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,500.45	90.23
		For Colored Vinyl, Add	*232.00*	
		For Tinted Glass, Add	*278.40*	
		For Low-E Insulated Glass, Add	*580.00*	
		For Obscure Glass, Add	*638.00*	
08 54 13 00-0262		72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*		
08 54 13 00-0263	EA	17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,314.58	87.36
		For Colored Vinyl, Add	*213.99*	
		For Tinted Glass, Add	*256.78*	
		For Low-E Insulated Glass, Add	*534.96*	
		For Obscure Glass, Add	*588.46*	
08 54 13 00-0264	EA	20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,396.30	90.23
		For Colored Vinyl, Add	*221.73*	
		For Tinted Glass, Add	*266.07*	
		For Low-E Insulated Glass, Add	*554.32*	
		For Obscure Glass, Add	*609.75*	
08 54 13 00-0265	EA	24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,474.44	92.37
		For Colored Vinyl, Add	*228.97*	
		For Tinted Glass, Add	*274.76*	
		For Low-E Insulated Glass, Add	*572.42*	
		For Obscure Glass, Add	*629.66*	
08 54 13 00-0266	EA	28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,614.59	95.24
		For Colored Vinyl, Add	*242.41*	
		For Tinted Glass, Add	*290.89*	
		For Low-E Insulated Glass, Add	*606.03*	
		For Obscure Glass, Add	*666.63*	
08 54 13 00-0267		Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0220)*		
08 54 13 00-0268		36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0269	EA	33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,179.50	73.04
		For Colored Vinyl, Add	*303.34*	
		For Tinted Glass, Add	*364.01*	
		For Low-E Insulated Glass, Add	*758.35*	
		For Obscure Glass, Add	*834.19*	
08 54 13 00-0270	EA	40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,284.75	78.77
		For Colored Vinyl, Add	*312.86*	
		For Tinted Glass, Add	*375.44*	
		For Low-E Insulated Glass, Add	*782.16*	
		For Obscure Glass, Add	*860.38*	
08 54 13 00-0271	EA	48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,391.52	84.50
		For Colored Vinyl, Add	*322.40*	
		For Tinted Glass, Add	*386.87*	
		For Low-E Insulated Glass, Add	*805.99*	
		For Obscure Glass, Add	*886.59*	
08 54 13 00-0272	EA	56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,516.10	89.51
		For Colored Vinyl, Add	*333.71*	
		For Tinted Glass, Add	*400.45*	
		For Low-E Insulated Glass, Add	*834.27*	
		For Obscure Glass, Add	*917.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0273		40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0274	EA	33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,370.07	76.62
		For Colored Vinyl, Add	*321.68*	
		For Tinted Glass, Add	*386.02*	
		For Low-E Insulated Glass, Add	*804.21*	
		For Obscure Glass, Add	*884.63*	
08 54 13 00-0275	EA	40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,483.18	81.64
		For Colored Vinyl, Add	*331.99*	
		For Tinted Glass, Add	*398.39*	
		For Low-E Insulated Glass, Add	*829.98*	
		For Obscure Glass, Add	*912.98*	
08 54 13 00-0276	EA	48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,597.81	87.36
		For Colored Vinyl, Add	*342.31*	
		For Tinted Glass, Add	*410.77*	
		For Low-E Insulated Glass, Add	*855.77*	
		For Obscure Glass, Add	*941.35*	
08 54 13 00-0277	EA	56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,717.58	93.09
		For Colored Vinyl, Add	*353.14*	
		For Tinted Glass, Add	*423.77*	
		For Low-E Insulated Glass, Add	*882.85*	
		For Obscure Glass, Add	*971.14*	
08 54 13 00-0278		48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0279	EA	33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,568.66	82.35
		For Colored Vinyl, Add	*340.40*	
		For Tinted Glass, Add	*408.48*	
		For Low-E Insulated Glass, Add	*850.99*	
		For Obscure Glass, Add	*936.09*	
08 54 13 00-0280	EA	40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,687.38	87.36
		For Colored Vinyl, Add	*351.27*	
		For Tinted Glass, Add	*421.52*	
		For Low-E Insulated Glass, Add	*878.16*	
		For Obscure Glass, Add	*965.98*	
08 54 13 00-0281	EA	48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,807.73	93.09
		For Colored Vinyl, Add	*362.16*	
		For Tinted Glass, Add	*434.59*	
		For Low-E Insulated Glass, Add	*905.39*	
		For Obscure Glass, Add	*995.93*	
08 54 13 00-0282	EA	56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,940.67	98.82
		For Colored Vinyl, Add	*374.30*	
		For Tinted Glass, Add	*449.16*	
		For Low-E Insulated Glass, Add	*935.76*	
		For Obscure Glass, Add	*1,029.33*	
08 54 13 00-0283		52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0284	EA	33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,761.01	85.22
		For Colored Vinyl, Add	*359.06*	
		For Tinted Glass, Add	*430.87*	
		For Low-E Insulated Glass, Add	*897.65*	
		For Obscure Glass, Add	*987.41*	
08 54 13 00-0285	EA	40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,887.35	90.23
		For Colored Vinyl, Add	*370.69*	
		For Tinted Glass, Add	*444.83*	
		For Low-E Insulated Glass, Add	*926.73*	
		For Obscure Glass, Add	*1,019.40*	
08 54 13 00-0286	EA	48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,015.07	95.95
		For Colored Vinyl, Add	*382.32*	
		For Tinted Glass, Add	*458.78*	
		For Low-E Insulated Glass, Add	*955.79*	
		For Obscure Glass, Add	*1,051.37*	
08 54 13 00-0287	EA	56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,150.62	101.69
		For Colored Vinyl, Add	*394.73*	
		For Tinted Glass, Add	*473.67*	
		For Low-E Insulated Glass, Add	*986.81*	
		For Obscure Glass, Add	*1,085.49*	
08 54 13 00-0288		60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0289	EA	33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,957.72	90.23
		For Colored Vinyl, Add	*377.73*	
		For Tinted Glass, Add	*453.27*	
		For Low-E Insulated Glass, Add	*944.32*	
		For Obscure Glass, Add	*1,038.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0290	EA	40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,091.56	95.95
		For Colored Vinyl, Add	*390.11*	
		For Tinted Glass, Add	*468.13*	
		For Low-E Insulated Glass, Add	*975.27*	
		For Obscure Glass, Add	*1,072.80*	
08 54 13 00-0291	EA	48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,226.68	101.69
		For Colored Vinyl, Add	*402.47*	
		For Tinted Glass, Add	*482.97*	
		For Low-E Insulated Glass, Add	*1,006.19*	
		For Obscure Glass, Add	*1,106.80*	
08 54 13 00-0292	EA	56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,364.72	106.70
		For Colored Vinyl, Add	*415.13*	
		For Tinted Glass, Add	*498.16*	
		For Low-E Insulated Glass, Add	*1,037.83*	
		For Obscure Glass, Add	*1,141.61*	

08 54 13 00-0293 64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*

08 54 13 00-0294	EA	33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,157.62	93.81
		For Colored Vinyl, Add	*397.00*	
		For Tinted Glass, Add	*476.40*	
		For Low-E Insulated Glass, Add	*992.50*	
		For Obscure Glass, Add	*1,091.75*	
08 54 13 00-0295	EA	40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,291.45	98.82
		For Colored Vinyl, Add	*409.38*	
		For Tinted Glass, Add	*491.26*	
		For Low-E Insulated Glass, Add	*1,023.45*	
		For Obscure Glass, Add	*1,125.80*	
08 54 13 00-0296	EA	48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,425.99	104.55
		For Colored Vinyl, Add	*421.69*	
		For Tinted Glass, Add	*506.03*	
		For Low-E Insulated Glass, Add	*1,054.22*	
		For Obscure Glass, Add	*1,159.64*	
08 54 13 00-0297	EA	56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,564.60	110.28
		For Colored Vinyl, Add	*434.40*	
		For Tinted Glass, Add	*521.28*	
		For Low-E Insulated Glass, Add	*1,086.01*	
		For Obscure Glass, Add	*1,194.61*	

08 54 13 00-0298 72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*

08 54 13 00-0299	EA	33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,372.87	98.82
		For Colored Vinyl, Add	*417.52*	
		For Tinted Glass, Add	*501.03*	
		For Low-E Insulated Glass, Add	*1,043.81*	
		For Obscure Glass, Add	*1,148.19*	
08 54 13 00-0300	EA	40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,506.70	104.55
		For Colored Vinyl, Add	*429.90*	
		For Tinted Glass, Add	*515.88*	
		For Low-E Insulated Glass, Add	*1,074.76*	
		For Obscure Glass, Add	*1,182.24*	
08 54 13 00-0301	EA	48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,641.97	110.28
		For Colored Vinyl, Add	*442.29*	
		For Tinted Glass, Add	*530.74*	
		For Low-E Insulated Glass, Add	*1,105.71*	
		For Obscure Glass, Add	*1,216.28*	
08 54 13 00-0302	EA	56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,780.00	115.29
		For Colored Vinyl, Add	*454.94*	
		For Tinted Glass, Add	*545.93*	
		For Low-E Insulated Glass, Add	*1,137.36*	
		For Obscure Glass, Add	*1,251.09*	

08 54 13 00-0303 Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0220)*

08 54 13 00-0304 36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0305	EA	62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,911.04	93.09
		For Colored Vinyl, Add	*372.49*	
		For Tinted Glass, Add	*446.98*	
		For Low-E Insulated Glass, Add	*931.22*	
		For Obscure Glass, Add	*1,024.34*	
08 54 13 00-0306	EA	72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,082.24	100.26
		For Colored Vinyl, Add	*388.17*	
		For Tinted Glass, Add	*465.81*	
		For Low-E Insulated Glass, Add	*970.44*	
		For Obscure Glass, Add	*1,067.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0307	EA	86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,398.97	110.99
		For Colored Vinyl, Add	*417.70*	
		For Tinted Glass, Add	*501.24*	
		For Low-E Insulated Glass, Add	*1,044.25*	
		For Obscure Glass, Add	*1,148.67*	
08 54 13 00-0308		**40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0309	EA	62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,179.93	97.38
		For Colored Vinyl, Add	*398.66*	
		For Tinted Glass, Add	*478.39*	
		For Low-E Insulated Glass, Add	*996.65*	
		For Obscure Glass, Add	*1,096.31*	
08 54 13 00-0310	EA	72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,352.72	103.84
		For Colored Vinyl, Add	*414.51*	
		For Tinted Glass, Add	*497.41*	
		For Low-E Insulated Glass, Add	*1,036.27*	
		For Obscure Glass, Add	*1,139.89*	
08 54 13 00-0311	EA	86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,690.60	114.57
		For Colored Vinyl, Add	*446.15*	
		For Tinted Glass, Add	*535.37*	
		For Low-E Insulated Glass, Add	*1,115.36*	
		For Obscure Glass, Add	*1,226.90*	
08 54 13 00-0312		**48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0313	EA	62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,417.01	103.12
		For Colored Vinyl, Add	*421.08*	
		For Tinted Glass, Add	*505.29*	
		For Low-E Insulated Glass, Add	*1,052.70*	
		For Obscure Glass, Add	*1,157.96*	
08 54 13 00-0314	EA	72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,631.28	109.56
		For Colored Vinyl, Add	*441.22*	
		For Tinted Glass, Add	*529.46*	
		For Low-E Insulated Glass, Add	*1,103.04*	
		For Obscure Glass, Add	*1,213.34*	
08 54 13 00-0315	EA	86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,987.34	120.30
		For Colored Vinyl, Add	*474.67*	
		For Tinted Glass, Add	*569.61*	
		For Low-E Insulated Glass, Add	*1,186.68*	
		For Obscure Glass, Add	*1,305.35*	
08 54 13 00-0316		**52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0317	EA	62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,675.46	105.98
		For Colored Vinyl, Add	*446.35*	
		For Tinted Glass, Add	*535.62*	
		For Low-E Insulated Glass, Add	*1,115.87*	
		For Obscure Glass, Add	*1,227.46*	
08 54 13 00-0318	EA	72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,902.13	113.14
		For Colored Vinyl, Add	*467.59*	
		For Tinted Glass, Add	*561.10*	
		For Low-E Insulated Glass, Add	*1,168.96*	
		For Obscure Glass, Add	*1,285.86*	
08 54 13 00-0319	EA	86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,320.21	123.17
		For Colored Vinyl, Add	*507.39*	
		For Tinted Glass, Add	*608.87*	
		For Low-E Insulated Glass, Add	*1,268.47*	
		For Obscure Glass, Add	*1,395.32*	
08 54 13 00-0320		**60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0321	EA	62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,938.04	110.99
		For Colored Vinyl, Add	*471.61*	
		For Tinted Glass, Add	*565.93*	
		For Low-E Insulated Glass, Add	*1,179.01*	
		For Obscure Glass, Add	*1,296.91*	
08 54 13 00-0322	EA	72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,175.77	118.15
		For Colored Vinyl, Add	*493.95*	
		For Tinted Glass, Add	*592.74*	
		For Low-E Insulated Glass, Add	*1,234.87*	
		For Obscure Glass, Add	*1,358.35*	
08 54 13 00-0323	EA	86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,657.39	128.18
		For Colored Vinyl, Add	*540.10*	
		For Tinted Glass, Add	*648.12*	
		For Low-E Insulated Glass, Add	*1,350.26*	
		For Obscure Glass, Add	*1,485.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0324		**64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0325	EA	62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,230.55	114.57
		For Colored Vinyl, Add	*500.14*	
		For Tinted Glass, Add	*600.17*	
		For Low-E Insulated Glass, Add	*1,250.35*	
		For Obscure Glass, Add	*1,375.39*	
08 54 13 00-0326	EA	72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,468.13	121.74
		For Colored Vinyl, Add	*522.47*	
		For Tinted Glass, Add	*626.96*	
		For Low-E Insulated Glass, Add	*1,306.17*	
		For Obscure Glass, Add	*1,436.78*	
08 54 13 00-0327	EA	86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,949.75	131.76
		For Colored Vinyl, Add	*568.62*	
		For Tinted Glass, Add	*682.35*	
		For Low-E Insulated Glass, Add	*1,421.56*	
		For Obscure Glass, Add	*1,563.71*	
08 54 13 00-0328		**72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows** *(08 54 13 00-0303)*		
08 54 13 00-0329	EA	62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,526.58	119.58
		For Colored Vinyl, Add	*528.74*	
		For Tinted Glass, Add	*634.49*	
		For Low-E Insulated Glass, Add	*1,321.85*	
		For Obscure Glass, Add	*1,454.04*	
08 54 13 00-0330	EA	72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,764.09	126.75
		For Colored Vinyl, Add	*551.06*	
		For Tinted Glass, Add	*661.27*	
		For Low-E Insulated Glass, Add	*1,377.65*	
		For Obscure Glass, Add	*1,515.41*	
08 54 13 00-0331	EA	86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	6,245.70	136.77
		For Colored Vinyl, Add	*597.22*	
		For Tinted Glass, Add	*716.66*	
		For Low-E Insulated Glass, Add	*1,493.04*	
		For Obscure Glass, Add	*1,642.34*	
08 54 13 00-0332		**Replacement, Casement Fiberglass Windows** *(08 54 13 00-0219)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0333		**One Operating Sash, Replacement, Casement Fiberglass Windows** *(08 54 13 00-0332)*		
08 54 13 00-0334	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,967.96	60.87
		For Colored Vinyl, Add	*184.62*	
		For Tinted Glass, Add	*221.55*	
		For Low-E Insulated Glass, Add	*461.56*	
		For Obscure Glass, Add	*507.71*	
08 54 13 00-0335	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,239.20	68.03
		For Colored Vinyl, Add	*210.31*	
		For Tinted Glass, Add	*252.38*	
		For Low-E Insulated Glass, Add	*525.79*	
		For Obscure Glass, Add	*578.36*	
08 54 13 00-0336	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,481.43	75.19
		For Colored Vinyl, Add	*233.11*	
		For Tinted Glass, Add	*279.73*	
		For Low-E Insulated Glass, Add	*582.76*	
		For Obscure Glass, Add	*641.04*	
08 54 13 00-0337	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,694.59	82.35
		For Colored Vinyl, Add	*252.99*	
		For Tinted Glass, Add	*303.59*	
		For Low-E Insulated Glass, Add	*632.47*	
		For Obscure Glass, Add	*695.72*	
08 54 13 00-0338	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,878.73	89.51
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0339	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,978.71	96.67
		For Colored Vinyl, Add	*278.54*	
		For Tinted Glass, Add	*334.24*	
		For Low-E Insulated Glass, Add	*696.34*	
		For Obscure Glass, Add	*765.97*	
08 54 13 00-0340	UI	>101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	29.42	0.93
		For Colored Vinyl, Add	*2.76*	
		For Tinted Glass, Add	*3.31*	
		For Low-E Insulated Glass, Add	*6.89*	
		For Obscure Glass, Add	*7.58*	
08 54 13 00-0341		**Two Operating Sashes, Replacement, Casement Fiberglass Windows** *(08 54 13 00-0332)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0342	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,382.04	75.19
		For Colored Vinyl, Add	*323.17*	
		For Tinted Glass, Add	*387.80*	
		For Low-E Insulated Glass, Add	*807.92*	
		For Obscure Glass, Add	*888.71*	
08 54 13 00-0343	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,718.57	82.35
		For Colored Vinyl, Add	*355.39*	
		For Tinted Glass, Add	*426.46*	
		For Low-E Insulated Glass, Add	*888.47*	
		For Obscure Glass, Add	*977.31*	
08 54 13 00-0344	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,026.09	89.51
		For Colored Vinyl, Add	*384.71*	
		For Tinted Glass, Add	*461.65*	
		For Low-E Insulated Glass, Add	*961.77*	
		For Obscure Glass, Add	*1,057.94*	
08 54 13 00-0345	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,224.78	96.67
		For Colored Vinyl, Add	*403.14*	
		For Tinted Glass, Add	*483.77*	
		For Low-E Insulated Glass, Add	*1,007.86*	
		For Obscure Glass, Add	*1,108.64*	
08 54 13 00-0346	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,438.65	103.84
		For Colored Vinyl, Add	*423.10*	
		For Tinted Glass, Add	*507.72*	
		For Low-E Insulated Glass, Add	*1,057.75*	
		For Obscure Glass, Add	*1,163.52*	
08 54 13 00-0347	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,663.45	110.99
		For Colored Vinyl, Add	*444.15*	
		For Tinted Glass, Add	*532.98*	
		For Low-E Insulated Glass, Add	*1,110.37*	
		For Obscure Glass, Add	*1,221.40*	
08 54 13 00-0348	UI	>120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	38.87	0.93
		For Colored Vinyl, Add	*3.70*	
		For Tinted Glass, Add	*4.44*	
		For Low-E Insulated Glass, Add	*9.25*	
		For Obscure Glass, Add	*10.18*	

08 54 13 00-0349 Three Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0332)*

08 54 13 00-0350	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,540.96	75.19
		For Colored Vinyl, Add	*339.06*	
		For Tinted Glass, Add	*406.87*	
		For Low-E Insulated Glass, Add	*847.65*	
		For Obscure Glass, Add	*932.41*	
08 54 13 00-0351	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,894.94	82.35
		For Colored Vinyl, Add	*373.02*	
		For Tinted Glass, Add	*447.63*	
		For Low-E Insulated Glass, Add	*932.56*	
		For Obscure Glass, Add	*1,025.82*	
08 54 13 00-0352	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,228.56	89.51
		For Colored Vinyl, Add	*404.95*	
		For Tinted Glass, Add	*485.94*	
		For Low-E Insulated Glass, Add	*1,012.39*	
		For Obscure Glass, Add	*1,113.62*	
08 54 13 00-0353	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,444.63	96.67
		For Colored Vinyl, Add	*425.13*	
		For Tinted Glass, Add	*510.15*	
		For Low-E Insulated Glass, Add	*1,062.82*	
		For Obscure Glass, Add	*1,169.10*	
08 54 13 00-0354	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,678.13	103.84
		For Colored Vinyl, Add	*447.05*	
		For Tinted Glass, Add	*536.46*	
		For Low-E Insulated Glass, Add	*1,117.62*	
		For Obscure Glass, Add	*1,229.38*	
08 54 13 00-0355	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,924.73	110.99
		For Colored Vinyl, Add	*470.27*	
		For Tinted Glass, Add	*564.33*	
		For Low-E Insulated Glass, Add	*1,175.69*	
		For Obscure Glass, Add	*1,293.25*	
08 54 13 00-0356	UI	>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	41.06	0.93
		For Colored Vinyl, Add	*3.92*	
		For Tinted Glass, Add	*4.70*	
		For Low-E Insulated Glass, Add	*9.80*	
		For Obscure Glass, Add	*10.78*	

08 54 13 00-0357 New Construction, Casement Fiberglass Windows (Anderson Windows) *(08 54 13 00-0219)*

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0358	EA	Up To 53" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	626.49	60.87
08 54 13 00-0359	EA	>53 To 63" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	711.05	68.03
08 54 13 00-0360	EA	>63 To 73" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	787.68	75.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0361	EA	>73" To 83" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	856.36	82.35
08 54 13 00-0362	EA	>83" To 93" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	917.11	89.51
08 54 13 00-0363	EA	>93" To 101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	954.85	96.67
08 54 13 00-0364	UI	>101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	9.42	0.93

08 54 13 00-0365 Awning Fiberglass Windows *(08 54 13)*

08 54 13 00-0366 New Construction, Awning Fiberglass Windows *(08 54 13 00-0365)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0367 Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0366)*

08 54 13 00-0368 17" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*

08 54 13 00-0369	EA	24" x 17", Venting, New Construction, Awning Fiberglass Window	1,992.30	58.72
		For Colored Vinyl, Add	*187.49*	
		For Tinted Glass, Add	*224.98*	
		For Low-E Insulated Glass, Add	*468.72*	
		For Obscure Glass, Add	*515.59*	
08 54 13 00-0370	EA	28" x 17", Venting, New Construction, Awning Fiberglass Window	2,085.12	61.59
		For Colored Vinyl, Add	*196.20*	
		For Tinted Glass, Add	*235.43*	
		For Low-E Insulated Glass, Add	*490.49*	
		For Obscure Glass, Add	*539.54*	
08 54 13 00-0371	EA	36" x 17", Venting, New Construction, Awning Fiberglass Window	2,225.79	66.60
		For Colored Vinyl, Add	*209.26*	
		For Tinted Glass, Add	*251.11*	
		For Low-E Insulated Glass, Add	*523.15*	
		For Obscure Glass, Add	*575.47*	
08 54 13 00-0372	EA	40" x 17", Venting, New Construction, Awning Fiberglass Window	2,315.10	70.18
		For Colored Vinyl, Add	*217.48*	
		For Tinted Glass, Add	*260.97*	
		For Low-E Insulated Glass, Add	*543.69*	
		For Obscure Glass, Add	*598.06*	
08 54 13 00-0373	EA	48" x 17", Venting, New Construction, Awning Fiberglass Window	2,462.07	75.90
		For Colored Vinyl, Add	*231.03*	
		For Tinted Glass, Add	*277.23*	
		For Low-E Insulated Glass, Add	*577.57*	
		For Obscure Glass, Add	*635.32*	

08 54 13 00-0374 20" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*

08 54 13 00-0375	EA	24" x 20", Venting, New Construction, Awning Fiberglass Window	2,105.43	61.59
		For Colored Vinyl, Add	*198.37*	
		For Tinted Glass, Add	*238.04*	
		For Low-E Insulated Glass, Add	*495.92*	
		For Obscure Glass, Add	*545.51*	
08 54 13 00-0376	EA	28" x 20", Venting, New Construction, Awning Fiberglass Window	2,198.26	64.45
		For Colored Vinyl, Add	*207.08*	
		For Tinted Glass, Add	*248.49*	
		For Low-E Insulated Glass, Add	*517.70*	
		For Obscure Glass, Add	*569.47*	
08 54 13 00-0377	EA	36" x 20", Venting, New Construction, Awning Fiberglass Window	2,350.99	68.74
		For Colored Vinyl, Add	*221.35*	
		For Tinted Glass, Add	*265.62*	
		For Low-E Insulated Glass, Add	*553.38*	
		For Obscure Glass, Add	*608.71*	
08 54 13 00-0378	EA	40" x 20", Venting, New Construction, Awning Fiberglass Window	2,440.44	73.04
		For Colored Vinyl, Add	*229.58*	
		For Tinted Glass, Add	*275.49*	
		For Low-E Insulated Glass, Add	*573.95*	
		For Obscure Glass, Add	*631.34*	
08 54 13 00-0379	EA	48" x 20", Venting, New Construction, Awning Fiberglass Window	2,599.34	78.06
		For Colored Vinyl, Add	*244.32*	
		For Tinted Glass, Add	*293.19*	
		For Low-E Insulated Glass, Add	*610.81*	
		For Obscure Glass, Add	*671.89*	

08 54 13 00-0380 24" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*

08 54 13 00-0381	EA	24" x 24", Venting, New Construction, Awning Fiberglass Window	2,171.58	64.45
		For Colored Vinyl, Add	*204.41*	
		For Tinted Glass, Add	*245.29*	
		For Low-E Insulated Glass, Add	*511.03*	
		For Obscure Glass, Add	*562.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0382	EA	28" x 24", Venting, New Construction, Awning Fiberglass Window	2,264.39	67.31
		For Colored Vinyl, Add	*213.12*	
		For Tinted Glass, Add	*255.74*	
		For Low-E Insulated Glass, Add	*532.80*	
		For Obscure Glass, Add	*586.08*	
08 54 13 00-0383	EA	36" x 24", Venting, New Construction, Awning Fiberglass Window	2,423.16	71.61
		For Colored Vinyl, Add	*227.99*	
		For Tinted Glass, Add	*273.59*	
		For Low-E Insulated Glass, Add	*569.99*	
		For Obscure Glass, Add	*626.98*	
08 54 13 00-0384	EA	40" x 24", Venting, New Construction, Awning Fiberglass Window	2,522.36	75.90
		For Colored Vinyl, Add	*237.20*	
		For Tinted Glass, Add	*284.64*	
		For Low-E Insulated Glass, Add	*593.00*	
		For Obscure Glass, Add	*652.29*	
08 54 13 00-0385	EA	48" x 24", Venting, New Construction, Awning Fiberglass Window	2,683.72	80.92
		For Colored Vinyl, Add	*252.19*	
		For Tinted Glass, Add	*302.63*	
		For Low-E Insulated Glass, Add	*630.47*	
		For Obscure Glass, Add	*693.52*	
08 54 13 00-0386		28" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0387	EA	24" x 28", Venting, New Construction, Awning Fiberglass Window	2,237.78	67.31
		For Colored Vinyl, Add	*210.46*	
		For Tinted Glass, Add	*252.55*	
		For Low-E Insulated Glass, Add	*526.15*	
		For Obscure Glass, Add	*578.76*	
08 54 13 00-0388	EA	28" x 28", Venting, New Construction, Awning Fiberglass Window	2,330.61	70.18
		For Colored Vinyl, Add	*219.17*	
		For Tinted Glass, Add	*263.00*	
		For Low-E Insulated Glass, Add	*547.92*	
		For Obscure Glass, Add	*602.71*	
08 54 13 00-0389	EA	36" x 28", Venting, New Construction, Awning Fiberglass Window	2,495.49	74.47
		For Colored Vinyl, Add	*234.65*	
		For Tinted Glass, Add	*281.58*	
		For Low-E Insulated Glass, Add	*586.64*	
		For Obscure Glass, Add	*645.30*	
08 54 13 00-0390	EA	40" x 28", Venting, New Construction, Awning Fiberglass Window	2,603.70	78.77
		For Colored Vinyl, Add	*244.76*	
		For Tinted Glass, Add	*293.71*	
		For Low-E Insulated Glass, Add	*611.90*	
		For Obscure Glass, Add	*673.09*	
08 54 13 00-0391	EA	48" x 28", Venting, New Construction, Awning Fiberglass Window	2,768.12	83.78
		For Colored Vinyl, Add	*260.06*	
		For Tinted Glass, Add	*312.07*	
		For Low-E Insulated Glass, Add	*650.14*	
		For Obscure Glass, Add	*715.15*	
08 54 13 00-0392		36" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0393	EA	36" x 36", Venting, New Construction, Awning Fiberglass Window	2,638.48	79.49
		For Colored Vinyl, Add	*247.95*	
		For Tinted Glass, Add	*297.54*	
		For Low-E Insulated Glass, Add	*619.88*	
		For Obscure Glass, Add	*681.87*	
08 54 13 00-0394	EA	40" x 36", Venting, New Construction, Awning Fiberglass Window	2,746.84	83.07
		For Colored Vinyl, Add	*258.07*	
		For Tinted Glass, Add	*309.68*	
		For Low-E Insulated Glass, Add	*645.18*	
		For Obscure Glass, Add	*709.69*	
08 54 13 00-0395	EA	48" x 36", Venting, New Construction, Awning Fiberglass Window	2,923.32	88.80
		For Colored Vinyl, Add	*274.57*	
		For Tinted Glass, Add	*329.49*	
		For Low-E Insulated Glass, Add	*686.43*	
		For Obscure Glass, Add	*755.08*	
08 54 13 00-0396		Replacement, Awning Fiberglass Windows *(08 54 13 00-0365)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0397	EA	Up To 53" UI, Replacement, Awning Fiberglass Window	2,083.40	60.87
		For Colored Vinyl, Add	*196.17*	
		For Tinted Glass, Add	*235.40*	
		For Low-E Insulated Glass, Add	*490.42*	
		For Obscure Glass, Add	*539.46*	
08 54 13 00-0398	EA	>53" To 63" UI, Replacement, Awning Fiberglass Window	2,422.11	68.03
		For Colored Vinyl, Add	*228.61*	
		For Tinted Glass, Add	*274.33*	
		For Low-E Insulated Glass, Add	*571.51*	
		For Obscure Glass, Add	*628.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0399	EA	>63" To 73" UI, Replacement, Awning Fiberglass Window	2,746.28	75.19
		For Colored Vinyl, Add	*259.59*	
		For Tinted Glass, Add	*311.51*	
		For Low-E Insulated Glass, Add	*648.98*	
		For Obscure Glass, Add	*713.87*	
08 54 13 00-0400	EA	>73" To 83" UI, Replacement, Awning Fiberglass Window	3,055.98	82.35
		For Colored Vinyl, Add	*289.13*	
		For Tinted Glass, Add	*346.95*	
		For Low-E Insulated Glass, Add	*722.82*	
		For Obscure Glass, Add	*795.10*	
08 54 13 00-0401	EA	>83" To 93" UI, Replacement, Awning Fiberglass Window	3,351.21	89.51
		For Colored Vinyl, Add	*317.22*	
		For Tinted Glass, Add	*380.66*	
		For Low-E Insulated Glass, Add	*793.05*	
		For Obscure Glass, Add	*872.35*	
08 54 13 00-0402	EA	>93" To 101" UI, Replacement, Awning Fiberglass Window	3,491.75	96.67
		For Colored Vinyl, Add	*329.84*	
		For Tinted Glass, Add	*395.81*	
		For Low-E Insulated Glass, Add	*824.60*	
		For Obscure Glass, Add	*907.06*	
08 54 13 00-0403	UI	>101" UI, Replacement, Awning Fiberglass Window	34.51	0.93
		For Colored Vinyl, Add	*3.26*	
		For Tinted Glass, Add	*3.92*	
		For Low-E Insulated Glass, Add	*8.16*	
		For Obscure Glass, Add	*8.98*	

08 54 13 00-0404 New Construction, Awning Fiberglass Windows (Anderson Windows) *(08 54 13 00-0365)*

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0405	EA	Up To 53" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	441.83	60.87
		For Tempered Glass, Add	*46.12*	
08 54 13 00-0406	EA	>53" To 63" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	509.09	68.03
		For Tempered Glass, Add	*53.75*	
08 54 13 00-0407	EA	>63" To 73" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	573.98	75.19
		For Tempered Glass, Add	*61.04*	
08 54 13 00-0408	EA	>73" To 83" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	636.49	82.35
		For Tempered Glass, Add	*67.98*	
08 54 13 00-0409	UI	>83" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	7.19	0.93
		For Tempered Glass, Add	*0.77*	

08 54 13 00-0410 Horizontal Sliding Fiberglass Windows *(08 54 13)*

08 54 13 00-0411 New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0410)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0412 20" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0413	EA	36" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,015.17	70.18
		For Colored Vinyl, Add	*87.63*	
		For Tinted Glass, Add	*105.15*	
		For Low-E Insulated Glass, Add	*219.06*	
		For Obscure Glass, Add	*240.97*	
08 54 13 00-0414	EA	48" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,118.29	78.77
		For Colored Vinyl, Add	*96.22*	
		For Tinted Glass, Add	*115.46*	
		For Low-E Insulated Glass, Add	*240.55*	
		For Obscure Glass, Add	*264.60*	
08 54 13 00-0415	EA	54" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,169.85	82.35
		For Colored Vinyl, Add	*100.52*	
		For Tinted Glass, Add	*120.62*	
		For Low-E Insulated Glass, Add	*251.29*	
		For Obscure Glass, Add	*276.42*	
08 54 13 00-0416	EA	60" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,221.42	86.65
		For Colored Vinyl, Add	*104.81*	
		For Tinted Glass, Add	*125.77*	
		For Low-E Insulated Glass, Add	*262.03*	
		For Obscure Glass, Add	*288.23*	
08 54 13 00-0417	EA	64" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,255.71	90.23
		For Colored Vinyl, Add	*107.67*	
		For Tinted Glass, Add	*129.20*	
		For Low-E Insulated Glass, Add	*269.17*	
		For Obscure Glass, Add	*296.09*	
08 54 13 00-0418	EA	72" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,324.53	95.24
		For Colored Vinyl, Add	*113.41*	
		For Tinted Glass, Add	*136.09*	
		For Low-E Insulated Glass, Add	*283.51*	
		For Obscure Glass, Add	*311.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0419		24" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0420	EA	36" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,069.25	73.04
		For Colored Vinyl, Add	*92.46*	
		For Tinted Glass, Add	*110.95*	
		For Low-E Insulated Glass, Add	*231.15*	
		For Obscure Glass, Add	*254.27*	
08 54 13 00-0421	EA	48" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,176.29	81.64
		For Colored Vinyl, Add	*101.45*	
		For Tinted Glass, Add	*121.74*	
		For Low-E Insulated Glass, Add	*253.62*	
		For Obscure Glass, Add	*278.98*	
08 54 13 00-0422	EA	54" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,230.25	85.22
		For Colored Vinyl, Add	*105.98*	
		For Tinted Glass, Add	*127.18*	
		For Low-E Insulated Glass, Add	*264.96*	
		For Obscure Glass, Add	*291.45*	
08 54 13 00-0423	EA	60" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,283.41	89.51
		For Colored Vinyl, Add	*110.44*	
		For Tinted Glass, Add	*132.53*	
		For Low-E Insulated Glass, Add	*276.10*	
		For Obscure Glass, Add	*303.71*	
08 54 13 00-0424	EA	64" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,319.09	93.09
		For Colored Vinyl, Add	*113.43*	
		For Tinted Glass, Add	*136.12*	
		For Low-E Insulated Glass, Add	*283.59*	
		For Obscure Glass, Add	*311.94*	
08 54 13 00-0425	EA	72" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,390.45	98.10
		For Colored Vinyl, Add	*119.42*	
		For Tinted Glass, Add	*143.31*	
		For Low-E Insulated Glass, Add	*298.56*	
		For Obscure Glass, Add	*328.42*	
08 54 13 00-0426		36" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0427	EA	36" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,232.70	81.64
		For Colored Vinyl, Add	*107.09*	
		For Tinted Glass, Add	*128.50*	
		For Low-E Insulated Glass, Add	*267.72*	
		For Obscure Glass, Add	*294.49*	
08 54 13 00-0428	EA	48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,352.40	90.23
		For Colored Vinyl, Add	*117.34*	
		For Tinted Glass, Add	*140.81*	
		For Low-E Insulated Glass, Add	*293.35*	
		For Obscure Glass, Add	*322.68*	
08 54 13 00-0429	EA	54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,412.32	93.81
		For Colored Vinyl, Add	*122.47*	
		For Tinted Glass, Add	*146.96*	
		For Low-E Insulated Glass, Add	*306.18*	
		For Obscure Glass, Add	*336.79*	
08 54 13 00-0430	EA	60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,472.17	98.10
		For Colored Vinyl, Add	*127.60*	
		For Tinted Glass, Add	*153.12*	
		For Low-E Insulated Glass, Add	*318.99*	
		For Obscure Glass, Add	*350.89*	
08 54 13 00-0431	EA	64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,512.14	100.26
		For Colored Vinyl, Add	*131.02*	
		For Tinted Glass, Add	*157.22*	
		For Low-E Insulated Glass, Add	*327.55*	
		For Obscure Glass, Add	*360.31*	
08 54 13 00-0432	EA	72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,592.01	106.70
		For Colored Vinyl, Add	*137.86*	
		For Tinted Glass, Add	*165.43*	
		For Low-E Insulated Glass, Add	*344.65*	
		For Obscure Glass, Add	*379.12*	
08 54 13 00-0433		42" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0434	EA	36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,314.44	85.93
		For Colored Vinyl, Add	*114.40*	
		For Tinted Glass, Add	*137.28*	
		For Low-E Insulated Glass, Add	*286.00*	
		For Obscure Glass, Add	*314.60*	
08 54 13 00-0435	EA	48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,440.53	94.52
		For Colored Vinyl, Add	*125.29*	
		For Tinted Glass, Add	*150.35*	
		For Low-E Insulated Glass, Add	*313.23*	
		For Obscure Glass, Add	*344.55*	
08 54 13 00-0436	EA	54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,503.65	98.10
		For Colored Vinyl, Add	*130.74*	
		For Tinted Glass, Add	*156.89*	
		For Low-E Insulated Glass, Add	*326.86*	
		For Obscure Glass, Add	*359.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0437	EA	60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,566.69	102.40
		For Colored Vinyl, Add	*136.19*	
		For Tinted Glass, Add	*163.43*	
		For Low-E Insulated Glass, Add	*340.47*	
		For Obscure Glass, Add	*374.52*	
08 54 13 00-0438	EA	64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,608.56	105.98
		For Colored Vinyl, Add	*139.80*	
		For Tinted Glass, Add	*167.76*	
		For Low-E Insulated Glass, Add	*349.51*	
		For Obscure Glass, Add	*384.46*	
08 54 13 00-0439	EA	72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,692.78	110.99
		For Colored Vinyl, Add	*147.08*	
		For Tinted Glass, Add	*176.49*	
		For Low-E Insulated Glass, Add	*367.70*	
		For Obscure Glass, Add	*404.47*	
08 54 13 00-0440		44" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0441	EA	36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,341.73	87.36
		For Colored Vinyl, Add	*116.84*	
		For Tinted Glass, Add	*140.21*	
		For Low-E Insulated Glass, Add	*292.11*	
		For Obscure Glass, Add	*321.32*	
08 54 13 00-0442	EA	48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,469.93	95.95
		For Colored Vinyl, Add	*127.95*	
		For Tinted Glass, Add	*153.53*	
		For Low-E Insulated Glass, Add	*319.86*	
		For Obscure Glass, Add	*351.85*	
08 54 13 00-0443	EA	54" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,533.99	99.54
		For Colored Vinyl, Add	*133.49*	
		For Tinted Glass, Add	*160.19*	
		For Low-E Insulated Glass, Add	*333.73*	
		For Obscure Glass, Add	*367.10*	
08 54 13 00-0444	EA	60" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,598.12	103.84
		For Colored Vinyl, Add	*139.05*	
		For Tinted Glass, Add	*166.86*	
		For Low-E Insulated Glass, Add	*347.62*	
		For Obscure Glass, Add	*382.38*	
08 54 13 00-0445	EA	64" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,640.94	107.41
		For Colored Vinyl, Add	*142.75*	
		For Tinted Glass, Add	*171.30*	
		For Low-E Insulated Glass, Add	*356.89*	
		For Obscure Glass, Add	*392.57*	
08 54 13 00-0446	EA	72" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,726.25	112.43
		For Colored Vinyl, Add	*150.14*	
		For Tinted Glass, Add	*180.17*	
		For Low-E Insulated Glass, Add	*375.35*	
		For Obscure Glass, Add	*412.89*	
08 54 13 00-0447		46" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0448	EA	36" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,368.95	88.80
		For Colored Vinyl, Add	*119.28*	
		For Tinted Glass, Add	*143.13*	
		For Low-E Insulated Glass, Add	*298.20*	
		For Obscure Glass, Add	*328.02*	
08 54 13 00-0449	EA	48" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,499.26	97.38
		For Colored Vinyl, Add	*130.59*	
		For Tinted Glass, Add	*156.71*	
		For Low-E Insulated Glass, Add	*326.48*	
		For Obscure Glass, Add	*359.13*	
08 54 13 00-0450	EA	54" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,564.41	100.97
		For Colored Vinyl, Add	*136.25*	
		For Tinted Glass, Add	*163.50*	
		For Low-E Insulated Glass, Add	*340.62*	
		For Obscure Glass, Add	*374.68*	
08 54 13 00-0451	EA	60" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,629.50	105.27
		For Colored Vinyl, Add	*141.90*	
		For Tinted Glass, Add	*170.28*	
		For Low-E Insulated Glass, Add	*354.74*	
		For Obscure Glass, Add	*390.21*	
08 54 13 00-0452	EA	64" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,672.95	108.85
		For Colored Vinyl, Add	*145.67*	
		For Tinted Glass, Add	*174.80*	
		For Low-E Insulated Glass, Add	*364.17*	
		For Obscure Glass, Add	*400.59*	
08 54 13 00-0453	EA	72" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,759.86	113.86
		For Colored Vinyl, Add	*153.22*	
		For Tinted Glass, Add	*183.86*	
		For Low-E Insulated Glass, Add	*383.04*	
		For Obscure Glass, Add	*421.34*	
08 54 13 00-0454		48" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0455	EA	36" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,396.24	90.23
		For Colored Vinyl, Add	*121.72*	
		For Tinted Glass, Add	*146.07*	
		For Low-E Insulated Glass, Add	*304.31*	
		For Obscure Glass, Add	*334.74*	
08 54 13 00-0456	EA	48" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,528.66	98.82
		For Colored Vinyl, Add	*133.25*	
		For Tinted Glass, Add	*159.89*	
		For Low-E Insulated Glass, Add	*333.11*	
		For Obscure Glass, Add	*366.42*	
08 54 13 00-0457	EA	54" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,594.82	102.40
		For Colored Vinyl, Add	*139.00*	
		For Tinted Glass, Add	*166.80*	
		For Low-E Insulated Glass, Add	*347.51*	
		For Obscure Glass, Add	*382.26*	
08 54 13 00-0458	EA	60" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,660.93	106.70
		For Colored Vinyl, Add	*144.75*	
		For Tinted Glass, Add	*173.70*	
		For Low-E Insulated Glass, Add	*361.88*	
		For Obscure Glass, Add	*398.07*	
08 54 13 00-0459	EA	64" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,705.11	110.28
		For Colored Vinyl, Add	*148.60*	
		For Tinted Glass, Add	*178.32*	
		For Low-E Insulated Glass, Add	*371.50*	
		For Obscure Glass, Add	*408.65*	
08 54 13 00-0460	EA	72" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,793.48	115.29
		For Colored Vinyl, Add	*156.29*	
		For Tinted Glass, Add	*187.55*	
		For Low-E Insulated Glass, Add	*390.73*	
		For Obscure Glass, Add	*429.80*	

08 54 13 00-0461 50" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0462	EA	36" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,423.45	91.66
		For Colored Vinyl, Add	*124.16*	
		For Tinted Glass, Add	*148.99*	
		For Low-E Insulated Glass, Add	*310.39*	
		For Obscure Glass, Add	*341.43*	
08 54 13 00-0463	EA	48" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,557.91	100.26
		For Colored Vinyl, Add	*135.88*	
		For Tinted Glass, Add	*163.06*	
		For Low-E Insulated Glass, Add	*339.71*	
		For Obscure Glass, Add	*373.68*	
08 54 13 00-0464	EA	54" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,625.16	103.84
		For Colored Vinyl, Add	*141.75*	
		For Tinted Glass, Add	*170.10*	
		For Low-E Insulated Glass, Add	*354.38*	
		For Obscure Glass, Add	*389.81*	
08 54 13 00-0465	EA	60" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,692.36	108.13
		For Colored Vinyl, Add	*147.61*	
		For Tinted Glass, Add	*177.13*	
		For Low-E Insulated Glass, Add	*369.03*	
		For Obscure Glass, Add	*405.93*	
08 54 13 00-0466	EA	64" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,737.28	111.71
		For Colored Vinyl, Add	*151.53*	
		For Tinted Glass, Add	*181.83*	
		For Low-E Insulated Glass, Add	*378.82*	
		For Obscure Glass, Add	*416.70*	
08 54 13 00-0467	EA	72" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,827.03	116.72
		For Colored Vinyl, Add	*159.36*	
		For Tinted Glass, Add	*191.23*	
		For Low-E Insulated Glass, Add	*398.40*	
		For Obscure Glass, Add	*438.23*	

08 54 13 00-0468 52" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0469	EA	36" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,450.68	93.09
		For Colored Vinyl, Add	*126.59*	
		For Tinted Glass, Add	*151.91*	
		For Low-E Insulated Glass, Add	*316.48*	
		For Obscure Glass, Add	*348.13*	
08 54 13 00-0470	EA	48" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,587.38	101.69
		For Colored Vinyl, Add	*138.54*	
		For Tinted Glass, Add	*166.25*	
		For Low-E Insulated Glass, Add	*346.36*	
		For Obscure Glass, Add	*381.00*	
08 54 13 00-0471	EA	54" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,655.60	105.27
		For Colored Vinyl, Add	*144.51*	
		For Tinted Glass, Add	*173.41*	
		For Low-E Insulated Glass, Add	*361.27*	
		For Obscure Glass, Add	*397.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0472	EA	60" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,724.01	109.56
		For Colored Vinyl, Add	*150.49*	
		For Tinted Glass, Add	*180.59*	
		For Low-E Insulated Glass, Add	*376.22*	
		For Obscure Glass, Add	*413.84*	
08 54 13 00-0473	EA	64" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,769.51	113.14
		For Colored Vinyl, Add	*154.47*	
		For Tinted Glass, Add	*185.36*	
		For Low-E Insulated Glass, Add	*386.17*	
		For Obscure Glass, Add	*424.78*	
08 54 13 00-0474	EA	72" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,860.65	118.15
		For Colored Vinyl, Add	*162.43*	
		For Tinted Glass, Add	*194.92*	
		For Low-E Insulated Glass, Add	*406.09*	
		For Obscure Glass, Add	*446.69*	
08 54 13 00-0475		54" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0476	EA	36" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,477.97	94.52
		For Colored Vinyl, Add	*129.04*	
		For Tinted Glass, Add	*154.84*	
		For Low-E Insulated Glass, Add	*322.59*	
		For Obscure Glass, Add	*354.85*	
08 54 13 00-0477	EA	48" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,616.63	103.12
		For Colored Vinyl, Add	*141.18*	
		For Tinted Glass, Add	*169.42*	
		For Low-E Insulated Glass, Add	*352.96*	
		For Obscure Glass, Add	*388.25*	
08 54 13 00-0478	EA	54" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,686.01	106.70
		For Colored Vinyl, Add	*147.26*	
		For Tinted Glass, Add	*176.71*	
		For Low-E Insulated Glass, Add	*368.15*	
		For Obscure Glass, Add	*404.97*	
08 54 13 00-0479	EA	60" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,755.45	110.99
		For Colored Vinyl, Add	*153.35*	
		For Tinted Glass, Add	*184.02*	
		For Low-E Insulated Glass, Add	*383.37*	
		For Obscure Glass, Add	*421.70*	
08 54 13 00-0480	EA	64" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,801.67	114.57
		For Colored Vinyl, Add	*157.40*	
		For Tinted Glass, Add	*188.88*	
		For Low-E Insulated Glass, Add	*393.49*	
		For Obscure Glass, Add	*432.84*	
08 54 13 00-0481	EA	72" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,894.12	119.58
		For Colored Vinyl, Add	*165.49*	
		For Tinted Glass, Add	*198.59*	
		For Low-E Insulated Glass, Add	*413.74*	
		For Obscure Glass, Add	*455.11*	
08 54 13 00-0482		60" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0483	EA	36" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,624.04	98.82
		For Colored Vinyl, Add	*142.78*	
		For Tinted Glass, Add	*171.34*	
		For Low-E Insulated Glass, Add	*356.96*	
		For Obscure Glass, Add	*392.65*	
08 54 13 00-0484	EA	48" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,704.77	107.41
		For Colored Vinyl, Add	*149.14*	
		For Tinted Glass, Add	*178.96*	
		For Low-E Insulated Glass, Add	*372.84*	
		For Obscure Glass, Add	*410.13*	
08 54 13 00-0485	EA	54" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,777.33	110.99
		For Colored Vinyl, Add	*155.53*	
		For Tinted Glass, Add	*186.64*	
		For Low-E Insulated Glass, Add	*388.84*	
		For Obscure Glass, Add	*427.72*	
08 54 13 00-0486	EA	60" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,849.83	115.29
		For Colored Vinyl, Add	*161.93*	
		For Tinted Glass, Add	*194.31*	
		For Low-E Insulated Glass, Add	*404.81*	
		For Obscure Glass, Add	*445.29*	
08 54 13 00-0487	EA	64" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,898.23	118.87
		For Colored Vinyl, Add	*166.19*	
		For Tinted Glass, Add	*199.43*	
		For Low-E Insulated Glass, Add	*415.48*	
		For Obscure Glass, Add	*457.03*	
08 54 13 00-0488	EA	72" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,994.90	123.89
		For Colored Vinyl, Add	*174.71*	
		For Tinted Glass, Add	*209.66*	
		For Low-E Insulated Glass, Add	*436.78*	
		For Obscure Glass, Add	*480.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0489		**Replacement, Horizontal Sliding Fiberglass Windows** *(08 54 13 00-0410)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0490	EA	Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window	1,792.67	75.19
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.07*	
		For Low-E Insulated Glass, Add	*410.57*	
		For Obscure Glass, Add	*451.63*	
08 54 13 00-0491	EA	>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window	1,971.73	82.35
		For Colored Vinyl, Add	*180.70*	
		For Tinted Glass, Add	*216.84*	
		For Low-E Insulated Glass, Add	*451.76*	
		For Obscure Glass, Add	*496.93*	
08 54 13 00-0492	EA	>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window	2,136.32	89.51
		For Colored Vinyl, Add	*195.73*	
		For Tinted Glass, Add	*234.88*	
		For Low-E Insulated Glass, Add	*489.33*	
		For Obscure Glass, Add	*538.26*	
08 54 13 00-0493	EA	>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window	2,245.74	96.67
		For Colored Vinyl, Add	*205.24*	
		For Tinted Glass, Add	*246.29*	
		For Low-E Insulated Glass, Add	*513.10*	
		For Obscure Glass, Add	*564.41*	
08 54 13 00-0494	EA	>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window	2,363.07	103.84
		For Colored Vinyl, Add	*215.54*	
		For Tinted Glass, Add	*258.65*	
		For Low-E Insulated Glass, Add	*538.85*	
		For Obscure Glass, Add	*592.74*	
08 54 13 00-0495	EA	>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window	2,573.33	110.99
		For Colored Vinyl, Add	*235.13*	
		For Tinted Glass, Add	*282.16*	
		For Low-E Insulated Glass, Add	*587.84*	
		For Obscure Glass, Add	*646.62*	
08 54 13 00-0496	UI	>120" UI, Replacement, Horizontal Sliding Fiberglass Window	21.50	0.93
		For Colored Vinyl, Add	*1.96*	
		For Tinted Glass, Add	*2.36*	
		For Low-E Insulated Glass, Add	*4.91*	
		For Obscure Glass, Add	*5.40*	
08 54 13 00-0497		**New Construction, Horizontal Sliding Fiberglass Windows (Anderson Windows)** *(08 54 13 00-0410)* Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0498	EA	Up To 73" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	606.39	75.19
08 54 13 00-0499	EA	>73" To 83" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	666.46	82.35
08 54 13 00-0500	EA	>83" To 93" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	722.49	89.51
08 54 13 00-0501	EA	>93" To 101" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	788.67	96.67
08 54 13 00-0502	EA	>101" To 110" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	871.68	103.84
08 54 13 00-0503	EA	>110" To 120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	954.70	110.99
08 54 13 00-0504	UI	>120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	7.98	0.93
08 54 13 00-0505		**Fixed Picture Fiberglass Windows** *(08 54 13)*		
08 54 13 00-0506		**New Construction, Fixed Picture Vinyl Windows (Anderson Windows)** *(08 54 13 00-0505)* Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0507	EA	Up To 73" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	529.88	75.19
08 54 13 00-0508	EA	>73" To 83" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	580.77	82.35
08 54 13 00-0509	EA	>83" To 93" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	627.95	89.51
08 54 13 00-0510	EA	>93" To 101" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	662.15	96.67
08 54 13 00-0511	EA	>101" To 110" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	697.81	103.84
08 54 13 00-0512	EA	>110" To 120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	756.70	110.99
08 54 13 00-0513	UI	>120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	6.32	0.93
08 54 13 00-0514		**Basement Fiberglass Windows** *(08 54 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0515		New Construction, Basement Fiberglass Windows *(08 54 13 00-0514)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0516	EA	32" x 15", New Construction, Basement Fiberglass Window	985.44	57.29
		For Colored Vinyl, Add	*87.09*	
		For Tinted Glass, Add	*104.50*	
		For Low-E Insulated Glass, Add	*217.72*	
		For Obscure Glass, Add	*239.49*	
08 54 13 00-0517	EA	32" x 20", New Construction, Basement Fiberglass Window	1,087.08	57.29
		For Colored Vinyl, Add	*97.25*	
		For Tinted Glass, Add	*116.70*	
		For Low-E Insulated Glass, Add	*243.13*	
		For Obscure Glass, Add	*267.44*	
08 54 13 00-0518	EA	32" x 23", New Construction, Basement Fiberglass Window	1,145.09	57.29
		For Colored Vinyl, Add	*103.05*	
		For Tinted Glass, Add	*123.66*	
		For Low-E Insulated Glass, Add	*257.63*	
		For Obscure Glass, Add	*283.39*	
08 54 13 00-0519		Replacement, Basement Fiberglass Windows *(08 54 13 00-0514)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0520	EA	Up To 47" UI, Replacement, Basement Fiberglass Window	1,345.43	55.86
		For Colored Vinyl, Add	*123.37*	
		For Tinted Glass, Add	*148.05*	
		For Low-E Insulated Glass, Add	*308.43*	
		For Obscure Glass, Add	*339.27*	
08 54 13 00-0521	EA	>47" To 55" UI, Replacement, Basement Fiberglass Window	1,485.99	64.45
		For Colored Vinyl, Add	*135.71*	
		For Tinted Glass, Add	*162.85*	
		For Low-E Insulated Glass, Add	*339.27*	
		For Obscure Glass, Add	*373.20*	
08 54 13 00-0522	UI	>55" UI, Replacement, Basement Fiberglass Window	26.52	0.93
		For Colored Vinyl, Add	*2.47*	
		For Tinted Glass, Add	*2.96*	
		For Low-E Insulated Glass, Add	*6.16*	
		For Obscure Glass, Add	*6.78*	
08 54 66		**Fiberglass Window Screens** *(08 54)*		
08 54 66 00-0001		Insect Screens For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0002	EA	Up To 6 SF, Insect Screen For Fiberglass Windows	75.74	9.61
08 54 66 00-0003	EA	>6 To 9 SF, Insect Screen For Fiberglass Windows	109.65	9.61
08 54 66 00-0004	EA	>9 To 12 SF, Insect Screen For Fiberglass Windows	120.96	9.61
08 54 66 00-0005	EA	>12 To 15 SF, Insect Screen For Fiberglass Windows	143.57	9.61
08 54 66 00-0006	EA	>15 To 20 SF, Insect Screen For Fiberglass Windows	194.45	9.61
08 54 66 00-0007	EA	>20 To 25 SF, Insect Screen For Fiberglass Windows	217.06	9.61
08 54 66 00-0008	EA	>25 To 30 SF, Insect Screen For Fiberglass Windows	250.97	9.61
08 54 66 00-0009	EA	>30 To 35 SF, Insect Screen For Fiberglass Windows	273.59	9.61
08 54 66 00-0010	SF	>35 SF, Insect Screen For Fiberglass Windows	8.39	0.19
08 54 66 00-0011		Factory Installed Grilles For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0012		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0013	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	87.05	
08 54 66 00-0014	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	111.93	
08 54 66 00-0015	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	144.15	
08 54 66 00-0016	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	170.15	
08 54 66 00-0017	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	209.15	
08 54 66 00-0018		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0019	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	197.85	
08 54 66 00-0020	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	237.42	
08 54 66 00-0021	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	299.60	
08 54 66 00-0022	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	373.08	
08 54 66 00-0023	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	446.57	

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,008.42	720.99
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,517.32	781.08
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,802.29	841.16
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,262.30	961.33
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,797.70	1,441.98
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame	57.07	10.74
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame	64.18	10.74

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	47.48	5.40
			For Painted Steel, Add	*4.03*	
			For Galvanized Steel, Add	*8.05*	
			For Aluminum, Add	*16.11*	
			For Stainless Steel, Add	*70.47*	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	48.63	5.40
			For Painted Steel, Add	*4.14*	
			For Galvanized Steel, Add	*8.28*	
			For Aluminum, Add	*16.57*	
			For Stainless Steel, Add	*72.49*	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	53.94	5.40
			For Painted Steel, Add	*4.67*	
			For Galvanized Steel, Add	*9.35*	
			For Aluminum, Add	*18.69*	
			For Stainless Steel, Add	*81.78*	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	65.30	5.40
			For Painted Steel, Add	*5.81*	
			For Galvanized Steel, Add	*11.62*	
			For Aluminum, Add	*23.24*	
			For Stainless Steel, Add	*101.66*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	66.97	6.61
			For Painted Steel, Add	*5.74*	
			For Galvanized Steel, Add	*11.47*	
			For Aluminum, Add	*22.94*	
			For Stainless Steel, Add	*100.36*	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	68.73	6.61
			For Painted Steel, Add	*5.91*	
			For Galvanized Steel, Add	*11.82*	
			For Aluminum, Add	*23.64*	
			For Stainless Steel, Add	*103.44*	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	76.34	6.61
			For Painted Steel, Add	*6.67*	
			For Galvanized Steel, Add	*13.34*	
			For Aluminum, Add	*26.69*	
			For Stainless Steel, Add	*116.76*	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	92.28	6.61
			For Painted Steel, Add	*8.27*	
			For Galvanized Steel, Add	*16.53*	
			For Aluminum, Add	*33.06*	
			For Stainless Steel, Add	*144.66*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	30.02	3.61
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.20*	
		For Stainless Steel, Add	*30.01*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	31.64	3.61
		For Painted Steel, Add	*1.28*	
		For Galvanized Steel, Add	*3.84*	
		For Aluminum, Add	*7.69*	
		For Stainless Steel, Add	*32.04*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	34.18	3.61
		For Painted Steel, Add	*1.41*	
		For Galvanized Steel, Add	*4.23*	
		For Aluminum, Add	*8.45*	
		For Stainless Steel, Add	*35.21*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	39.03	3.61
		For Painted Steel, Add	*1.65*	
		For Galvanized Steel, Add	*4.95*	
		For Aluminum, Add	*9.91*	
		For Stainless Steel, Add	*41.28*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	41.43	4.81
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.13*	
		For Aluminum, Add	*10.27*	
		For Stainless Steel, Add	*42.78*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	43.92	4.81
		For Painted Steel, Add	*1.84*	
		For Galvanized Steel, Add	*5.51*	
		For Aluminum, Add	*11.01*	
		For Stainless Steel, Add	*45.89*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	47.38	4.81
		For Painted Steel, Add	*2.01*	
		For Galvanized Steel, Add	*6.03*	
		For Aluminum, Add	*12.05*	
		For Stainless Steel, Add	*50.21*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	54.31	4.81
		For Painted Steel, Add	*2.36*	
		For Galvanized Steel, Add	*7.07*	
		For Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*58.88*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	57.69	9.01
		For Painted Steel, Add	*2.34*	
		For Galvanized Steel, Add	*7.03*	
		For Aluminum, Add	*14.06*	
		For Stainless Steel, Add	*58.59*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	66.78	10.82
		For Painted Steel, Add	*2.68*	
		For Galvanized Steel, Add	*8.03*	
		For Aluminum, Add	*16.07*	
		For Stainless Steel, Add	*66.95*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	74.03	13.22
		For Painted Steel, Add	*2.92*	
		For Galvanized Steel, Add	*8.76*	
		For Aluminum, Add	*17.52*	
		For Stainless Steel, Add	*73.01*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	85.94	15.62
		For Painted Steel, Add	*3.34*	
		For Galvanized Steel, Add	*10.01*	
		For Aluminum, Add	*20.02*	
		For Stainless Steel, Add	*83.40*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	79.90	15.02
		For Painted Steel, Add	*3.09*	
		For Galvanized Steel, Add	*9.28*	
		For Aluminum, Add	*18.56*	
		For Stainless Steel, Add	*77.35*	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	100.64	19.22
		For Painted Steel, Add	*3.89*	
		For Galvanized Steel, Add	*11.67*	
		For Aluminum, Add	*23.34*	
		For Stainless Steel, Add	*97.26*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	42.79	10.82
		For Painted Steel, Add	*1.48*	
		For Galvanized Steel, Add	*4.44*	
		For Aluminum, Add	*8.87*	
		For Stainless Steel, Add	*36.96*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	92.04	13.22
		For Painted Steel, Add	*3.82*	
		For Galvanized Steel, Add	*11.46*	
		For Aluminum, Add	*22.93*	
		For Stainless Steel, Add	*95.53*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	101.37	15.02
		For Painted Steel, Add	*4.17*	
		For Galvanized Steel, Add	*12.50*	
		For Aluminum, Add	*25.01*	
		For Stainless Steel, Add	*104.19*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	108.62	16.82
		For Painted Steel, Add	*4.41*	
		For Galvanized Steel, Add	*13.23*	
		For Aluminum, Add	*26.46*	
		For Stainless Steel, Add	*110.25*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	117.91	19.22
		For Painted Steel, Add	*4.75*	
		For Galvanized Steel, Add	*14.26*	
		For Aluminum, Add	*28.52*	
		For Stainless Steel, Add	*118.85*	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	136.05	21.03
		For Painted Steel, Add	*5.54*	
		For Galvanized Steel, Add	*16.62*	
		For Aluminum, Add	*33.25*	
		For Stainless Steel, Add	*138.53*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	53.85	5.40
		For Painted Steel, Add	*2.33*	
		For Galvanized Steel, Add	*7.00*	
		For Aluminum, Add	*13.99*	
		For Stainless Steel, Add	*46.64*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.69	5.40
		For Painted Steel, Add	*2.42*	
		For Galvanized Steel, Add	*7.27*	
		For Aluminum, Add	*14.54*	
		For Stainless Steel, Add	*48.48*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	61.93	5.40
		For Painted Steel, Add	*2.74*	
		For Galvanized Steel, Add	*8.21*	
		For Aluminum, Add	*16.42*	
		For Stainless Steel, Add	*54.72*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	73.70	5.40
		For Painted Steel, Add	*3.32*	
		For Galvanized Steel, Add	*9.97*	
		For Aluminum, Add	*19.95*	
		For Stainless Steel, Add	*66.49*	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	75.88	6.61
		For Painted Steel, Add	*3.31*	
		For Galvanized Steel, Add	*9.94*	
		For Aluminum, Add	*19.88*	
		For Stainless Steel, Add	*66.26*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	79.11	6.61
		For Painted Steel, Add	*3.47*	
		For Galvanized Steel, Add	*10.42*	
		For Aluminum, Add	*20.85*	
		For Stainless Steel, Add	*69.49*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	87.20	6.61
		For Painted Steel, Add	*3.88*	
		For Galvanized Steel, Add	*11.64*	
		For Aluminum, Add	*23.27*	
		For Stainless Steel, Add	*77.58*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	104.05	6.61
		For Painted Steel, Add	*4.72*	
		For Galvanized Steel, Add	*14.16*	
		For Aluminum, Add	*28.33*	
		For Stainless Steel, Add	*94.43*	

08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards *(08 56 56)*

08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	15.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 60		**Roof Windows and Skylights** *(08)*		
		Note: Includes hardware, caulk, sealant and necessary anchors.		
08 62		**Unit Skylights** *(08 60)*		
08 62 23		**Tubular Skylights** *(08 62)*		
08 62 23 00-0001		Aluminum Framed Solar Tube Skylights *(08 62 23)*		
		Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002		31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*		
08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,489.51	255.72
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,095.02*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,570.38	262.11
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,096.30*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,648.98	268.51
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,097.58*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,759.33	274.90
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,098.86*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,856.08	281.30
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,100.14*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,934.68	287.68
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,101.42*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,013.27	294.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,102.70*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,141.79	300.47
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,103.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,220.39	306.86
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,105.25*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,301.26	313.26
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,106.53*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,379.85	319.65
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,107.81*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,508.38	326.04
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,109.09*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,586.97	332.43
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,110.37*	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,665.56	338.83
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,111.65*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,744.16	345.22
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,112.92*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,795.86	255.72
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,095.02*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,906.23	262.11
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,096.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,016.60	268.51
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,097.58*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,126.95	274.90
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,098.86*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,305.40	281.30
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,100.14*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,415.77	287.68
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,101.42*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,526.13	294.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,102.70*	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,704.58	300.47
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,103.97*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,814.95	306.86
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,105.25*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,925.32	313.26
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,106.53*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,035.68	319.65
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,107.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,214.13	326.04
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,109.09*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,324.49	332.43
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,110.37*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,434.85	338.83
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,111.65*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,545.22	345.22
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,112.92*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,388.54	287.68
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,101.42*	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,542.02	294.08
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,102.70*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,697.77	300.47
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,103.97*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,851.26	306.86
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,105.25*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,095.52	313.26
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,106.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,249.00	319.65
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,107.81*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,402.48	326.04
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,109.09*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,649.00	332.43
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,110.37*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,802.48	338.83
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,111.65*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,955.96	345.22
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,112.92*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,109.45	351.62
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,114.20*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,353.70	358.01
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,115.48*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,507.18	364.40
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,116.76*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,662.94	370.79
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,118.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,816.43	377.18
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,119.32*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,009.42	172.61
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,202.26	185.40
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,589.44	204.57
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,778.23	217.36
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,262.34	185.40
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,549.60	204.57
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,677.02	217.36
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,889.47	230.15
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,175.44	249.32
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,578.58	217.36
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,701.31	223.76
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,896.92	230.15
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,043.95	236.55
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,248.95	255.72
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,501.87	268.51
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,848.34	230.15
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,004.11	242.93
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,240.22	249.32
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,371.04	262.11
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,704.95	274.90

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,211.85	172.61
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,400.64	185.40
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,747.34	204.57
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,940.18	217.36
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,408.09	185.40
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,662.96	204.57
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,798.48	217.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,027.12	230.15
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,256.41	249.32
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,691.94	217.36
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,830.87	223.76
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,965.75	230.15
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,120.87	236.55
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,289.43	255.72
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,546.41	268.51
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,981.94	230.15
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,149.86	242.93
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,325.24	249.32
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,464.16	262.11
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,765.68	274.90

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,228.04	172.61
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,433.03	185.40
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,791.87	204.57
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,448.58	185.40
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,719.64	204.57
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,843.01	217.36
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,075.71	230.15
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,728.37	217.36
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,863.26	223.76
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,018.38	230.15
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,173.51	236.55
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,354.21	255.72
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,030.53	230.15
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,214.64	242.93
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,390.01	249.32
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,528.94	262.11

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,256.38	172.61
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,477.56	185.40
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,832.36	204.57
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,085.93	217.36
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,489.07	185.40
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,756.08	204.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,883.50	217.36
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,136.43	230.15
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,772.91	217.36
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,907.79	223.76
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,075.06	230.15
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,234.23	236.55
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,418.99	255.72
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,091.26	230.15
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,275.37	242.93
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,454.79	249.32
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,601.81	262.11

08 63 13 00-0081 Curb Top Inserts *(08 63 13 00-0003)*

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.

08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	337.41	83.11
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	435.18	95.90
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	683.13	127.86
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	630.74	115.07
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	746.67	127.86

08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	430.46	83.11
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	614.46	95.90
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,007.64	127.86
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	975.68	115.07
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,195.99	127.86

08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	521.23	83.11
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	784.66	95.90
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,407.03	127.86
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,297.92	115.07
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,613.54	127.86

08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	936.54	172.61
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,148.98	185.40
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,465.21	217.36
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,803.80	230.15

08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,252.33	172.61
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,472.87	185.40
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,760.76	217.36
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	2,075.06	230.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,086.34	172.61
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,467.98	204.57
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,713.46	217.36
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,395.75	204.57
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,519.12	217.36
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,800.40	230.15
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,090.42	249.32
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,592.00	223.76
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,739.03	230.15
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,898.20	236.55
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,070.81	255.72
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,412.80	268.51
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,959.57	242.93
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,179.49	249.32
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,330.55	262.11
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,660.41	274.90
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,223.99	172.61
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,420.88	185.40
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,767.58	204.57
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,436.43	185.40
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,580.06	198.18
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,695.35	204.57
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,818.72	217.36
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,055.46	230.15
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,712.18	223.76
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,847.06	223.76
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,994.09	230.15
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,145.17	236.55
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,321.82	255.72
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,002.19	230.15
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,186.30	242.93
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,357.63	249.32
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,492.50	262.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,408.74	185.40
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,820.21	204.57
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,739.88	204.57
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,871.35	217.36
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,120.24	230.15
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,895.64	223.76
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,054.82	230.15
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,218.04	236.55
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,386.60	255.72
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,259.17	242.93
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,438.60	249.32
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,581.57	262.11
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)*		
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,495.92	255.72
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,101.93	242.93
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,767.18	255.72
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,111.32	255.72
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,733.52	242.93
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,479.74	255.72
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,576.91	255.72
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,191.01	242.93
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,937.23	255.72
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,520.22	255.72
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,126.22	242.93
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,803.62	255.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0180		25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,143.70	255.72
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,757.81	242.93
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,520.22	255.72
08 63 13 00-0184		30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,601.20	255.72
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,215.30	242.93
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,977.72	255.72

08 66 Wood-Framed Skylights *(08 60)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	837.37	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	856.93	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	810.46	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	871.60	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	922.96	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,006.11	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,111.27	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	810.46	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	935.19	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,006.11	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,086.81	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,194.41	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	837.37	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	871.60	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	935.19	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,160.18	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	856.93	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	922.96	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,006.11	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,160.18	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,006.11	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,086.81	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,111.27	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,194.41	179.02
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	103.08	10.02
		For Clear Coated Bright Brass, Add	*7.01*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	113.02	14.33
		For Clear Coated Bright Brass, Add	*7.80*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	128.45	15.76
		For Clear Coated Bright Brass, Add	*6.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	118.29	10.02
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	135.85	14.33
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	138.61	15.76
		For Clear Coated Bright Brass, Add	*7.95*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	161.91	18.62
		For Clear Coated Bright Brass, Add	*9.30*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.92	18.62
		For Clear Coated Bright Brass, Add	*9.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	174.48	23.91
		For Clear Coated Bright Brass, Add	*11.06*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	133.78	10.02
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	151.33	14.33
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	155.45	15.76
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	180.47	18.62

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	172.38	15.76
		For Clear Coated Bright Brass, Add	*12.68*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	195.97	18.62
		For Clear Coated Bright Brass, Add	*14.07*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	217.24	18.62
		For Clear Coated Bright Brass, Add	*17.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0023		**Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*		
		Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	176.59	15.76
		For Clear Coated Bright Brass, Add	*13.27*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	207.94	18.62
		For Clear Coated Bright Brass, Add	*15.74*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0026		**Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge** *(08 71 11 00-0002)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	171.50	15.76
		For Clear Coated Bright Brass, Add	*12.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	198.28	23.91
		For Clear Coated Bright Brass, Add	*14.39*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	234.83	23.91
		For Clear Coated Bright Brass, Add	*19.51*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0030		**Mortised, Wrought Steel Hinges** *(08 71 11 00-0001)*		
		Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031		**Full Mortise, Plain Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	71.57	10.02
		For Primed For Paint Finish, Deduct	*-3.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.19*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.10*	
		For Stainless Steel, Add	*9.64*	
		For Heavy-Duty, Add	*2.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	90.95	14.33
		For Primed For Paint Finish, Deduct	*-3.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.42*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.32*	
		For Stainless Steel, Add	*10.64*	
		For Heavy-Duty, Add	*2.90*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	105.40	15.76
		For Primed For Paint Finish, Deduct	*-4.71*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.95*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.83*	
		For Stainless Steel, Add	*12.96*	
		For Heavy-Duty, Add	*3.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0035		**Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	117.92	10.02
		For Primed For Paint Finish, Deduct	*-12.77*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.98*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.66*	
		For Stainless Steel, Add	*35.13*	
		For Heavy-Duty, Add	*9.58*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	143.94	14.33
		For Primed For Paint Finish, Deduct	*-14.47*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.04*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.68*	
		For Stainless Steel, Add	*39.78*	
		For Heavy-Duty, Add	*10.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	115.20	15.76
		For Primed For Paint Finish, Deduct	*-6.67*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.17*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.00*	
		For Stainless Steel, Add	*18.35*	
		For Heavy-Duty, Add	*5.00*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0039 PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	201.22	18.62
For Primed For Paint Finish, Deduct	*-21.15*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.22*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-12.69*	
For Stainless Steel, Add	*58.16*	
For Heavy-Duty, Add	*15.86*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040 PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	216.14	18.62
For Primed For Paint Finish, Deduct	*-24.13*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.08*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-14.48*	
For Stainless Steel, Add	*66.36*	
For Heavy-Duty, Add	*18.10*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	261.64	18.62
For Primed For Paint Finish, Deduct	*-33.23*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
For Stainless Steel, Add	*91.39*	
For Heavy-Duty, Add	*24.92*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	144.68	10.02
For Primed For Paint Finish, Deduct	*-18.13*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.33*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-10.88*	
For Stainless Steel, Add	*49.85*	
For Heavy-Duty, Add	*13.59*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	174.33	14.33
For Primed For Paint Finish, Deduct	*-20.54*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.84*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-12.33*	
For Stainless Steel, Add	*56.50*	
For Heavy-Duty, Add	*15.41*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	196.64	15.76
For Primed For Paint Finish, Deduct	*-22.96*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.35*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-13.78*	
For Stainless Steel, Add	*63.14*	
For Heavy-Duty, Add	*17.22*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	222.37	18.62
For Primed For Paint Finish, Deduct	*-25.38*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.86*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-15.23*	
For Stainless Steel, Add	*69.79*	
For Heavy-Duty, Add	*19.03*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	201.52	15.76
For Primed For Paint Finish, Deduct	*-25.98*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.24*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-15.59*	
For Stainless Steel, Add	*71.45*	
For Heavy-Duty, Add	*19.49*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	225.59	15.76
For Primed For Paint Finish, Deduct	*-28.75*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.97*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-17.25*	
For Stainless Steel, Add	*79.06*	
For Heavy-Duty, Add	*21.56*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	261.64	18.62
For Primed For Paint Finish, Deduct	*-33.23*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
For Stainless Steel, Add	*91.39*	
For Heavy-Duty, Add	*24.92*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	150.73	15.76
		For Primed For Paint Finish, Deduct	*-13.78*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.61*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.27*	
		For Stainless Steel, Add	*37.89*	
		For Heavy-Duty, Add	*10.33*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0053		**Blank Butt Hinges** *(08 71 11 00-0030)*		
08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	34.37	6.44
		For Primed For Paint Finish, Deduct	*-1.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.10*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.05*	
		For Stainless Steel, Add	*4.82*	
		For Heavy-Duty, Add	*1.32*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0055		**Full Mortise, Single Acting Spring, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	119.85	10.02
		For Primed For Paint Finish, Deduct	*-13.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.23*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.90*	
		For Stainless Steel, Add	*36.19*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	157.68	14.33
		For Primed For Paint Finish, Deduct	*-17.21*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.76*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.33*	
		For Stainless Steel, Add	*47.34*	
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	208.45	15.76
		For Primed For Paint Finish, Deduct	*-25.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.19*	
		For Stainless Steel, Add	*69.64*	
08 71 11 00-0059		**Offset And Pivot Hinges** *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0060		**Offset Swing Clear Hinges** *(08 71 11 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	160.03	4.46
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*27.01*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*43.50*	
08 71 11 00-0062		**Offset Pivot Hinges** *(08 71 11 00-0059)*		
08 71 11 00-0063		**3/4" Offset Pivot Hinges** *(08 71 11 00-0062)*		
08 71 11 00-0064		**3/4" Offset Pivot Hinges** *(08 71 11 00-0063)*		
08 71 11 00-0065		**Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0064)*		
08 71 11 00-0066		**200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	168.32	14.33
08 71 11 00-0068	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	225.47	14.33
08 71 11 00-0069	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.23	14.33
08 71 11 00-0070	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.23	14.33
08 71 11 00-0071	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.23	14.33
08 71 11 00-0072	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.23	14.33
08 71 11 00-0073	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.23	14.33
08 71 11 00-0074	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	184.83	14.33
08 71 11 00-0075	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	234.38	14.33
08 71 11 00-0076	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.38	14.33
08 71 11 00-0077	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.38	14.33
08 71 11 00-0078	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.38	14.33
08 71 11 00-0079	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.38	14.33
08 71 11 00-0080	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.38	14.33
08 71 11 00-0081	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	168.32	14.33
08 71 11 00-0082	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	225.47	14.33
08 71 11 00-0083	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.23	14.33
08 71 11 00-0084	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.23	14.33
08 71 11 00-0085	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.23	14.33
08 71 11 00-0086	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.23	14.33
08 71 11 00-0087	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.23	14.33
08 71 11 00-0088		**500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	175.49	17.90
08 71 11 00-0090	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	232.64	17.90
08 71 11 00-0091	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.40	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0092	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.40	17.90
08 71 11 00-0093	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.40	17.90
08 71 11 00-0094	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.40	17.90
08 71 11 00-0095	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.40	17.90
08 71 11 00-0096		600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	175.49	17.90
08 71 11 00-0098	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	232.64	17.90
08 71 11 00-0099	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.40	17.90
08 71 11 00-0100	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.40	17.90
08 71 11 00-0101	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.40	17.90
08 71 11 00-0102	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.40	17.90
08 71 11 00-0103	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.40	17.90
08 71 11 00-0104		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	175.49	17.90
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	232.64	17.90
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.40	17.90
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.40	17.90
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.40	17.90
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.40	17.90
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.40	17.90
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0113		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	208.96	14.33
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	257.23	14.33
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.51	14.33
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.51	14.33
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.51	14.33
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.51	14.33
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.51	14.33
08 71 11 00-0121		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	232.64	17.90
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	247.88	17.90
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.55	17.90
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.55	17.90
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.55	17.90
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.55	17.90
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.55	17.90
08 71 11 00-0129		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	232.64	17.90
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	247.88	17.90
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.55	17.90
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.55	17.90
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.55	17.90
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.55	17.90
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.55	17.90
08 71 11 00-0137		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	232.64	17.90
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	247.88	17.90
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.55	17.90
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.55	17.90
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.55	17.90
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.55	17.90
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.55	17.90
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0146		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	184.83	14.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	234.38	14.33
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.38	14.33
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.38	14.33
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.38	14.33
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	332.23	14.33
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.38	14.33
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	184.83	14.33
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	234.38	14.33
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.38	14.33
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.38	14.33
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.38	14.33
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.38	14.33
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.38	14.33
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	160.71	14.33
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.86	14.33
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.87	14.33
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.87	14.33
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.87	14.33
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.87	14.33
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.87	14.33
08 71 11 00-0168		**500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	280.91	17.90
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.68	17.90
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.68	17.90
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.68	17.90
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.68	17.90
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.68	17.90
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	303.76	17.90
08 71 11 00-0176		**600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	241.55	17.90
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	264.40	17.90
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.91	17.90
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.91	17.90
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.91	17.90
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.91	17.90
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.91	17.90
08 71 11 00-0184		**700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	551.38	17.90
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	592.02	17.90
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.81	17.90
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.81	17.90
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.81	17.90
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.81	17.90
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.81	17.90
08 71 11 00-0192		**Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 11 00-0063)*		
08 71 11 00-0193		**Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 11 00-0192)*		
08 71 11 00-0194		**500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	329.18	17.90
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	388.83	17.90
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.10	17.90
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.10	17.90
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.10	17.90
08 71 11 00-0200		**600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	329.18	17.90
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	388.83	17.90
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.10	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.10	17.90
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.10	17.90
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	329.18	17.90
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	388.83	17.90
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.10	17.90
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.10	17.90
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.10	17.90
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	346.47	21.48
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	395.99	21.48
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.87	21.48
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.87	21.48
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.87	21.48
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	346.47	21.48
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	395.99	21.48
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.87	21.48
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.87	21.48
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.87	21.48
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0225		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	339.31	17.90
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	395.19	17.90
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.71	17.90
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.71	17.90
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.71	17.90
08 71 11 00-0231		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	339.31	17.90
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	395.19	17.90
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.71	17.90
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.71	17.90
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.71	17.90
08 71 11 00-0237		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	339.31	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	395.19	17.90
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.71	17.90
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.71	17.90
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.71	17.90
08 71 11 00-0243		1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	379.50	21.48
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	436.63	21.48
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.87	21.48
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.87	21.48
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.87	21.48
08 71 11 00-0249		1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0250	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	379.50	21.48
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	436.63	21.48
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.87	21.48
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.87	21.48
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.87	21.48
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	378.70	17.90
08 71 11 00-0258	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	468.86	17.90
08 71 11 00-0259	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.14	17.90
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.14	17.90
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.14	17.90
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	372.34	17.90
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	395.19	17.90
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.62	17.90
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.62	17.90
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.62	17.90
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	427.75	21.48
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	476.02	21.48
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.78	21.48
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.78	21.48
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.78	21.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	606.81	21.48
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	647.45	21.48
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.97	21.48
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.97	21.48
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.97	21.48
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	388.83	17.90
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	420.59	17.90
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.71	17.90
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.71	17.90
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.71	17.90
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	388.83	17.90
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	420.59	17.90
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.71	17.90
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.71	17.90
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.71	17.90
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	404.07	17.90
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	453.62	17.90
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.74	17.90
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.74	17.90
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.74	17.90
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	404.07	17.90
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	453.62	17.90
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.74	17.90
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.74	17.90
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.74	17.90
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	395.19	17.90
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	453.62	17.90
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.74	17.90
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.74	17.90
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.74	17.90
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	640.29	17.90
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	706.33	17.90
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.84	17.90
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.84	17.90
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.84	17.90
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	201.35	14.33
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.86	14.33
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	208.52	17.90
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	225.03	17.90
08 71 11 00-0339		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	208.52	17.90
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	225.03	17.90
08 71 11 00-0347		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	329.96	21.48
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	385.86	21.48
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.26	21.48
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.26	21.48
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.26	21.48
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.26	21.48
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.26	21.48
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0356		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	153.08	14.33
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	177.23	14.33
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.35	14.33
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.35	14.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.35	14.33
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.35	14.33
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.35	14.33
08 71 11 00-0364		**500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	225.03	17.90
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.64	17.90
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	225.03	17.90
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.64	17.90
08 71 11 00-0379		**600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	453.62	17.90
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	477.74	17.90
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.14	17.90
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.14	17.90
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.14	17.90
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.14	17.90
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.14	17.90
08 71 11 00-0387		**1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	835.40	21.48
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	859.52	21.48
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.55	21.48
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.55	21.48
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.55	21.48
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.55	21.48
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.55	21.48
08 71 11 00-0395		**Continuous Barrel-Type Hinge** *(08 71 11 00-0001)*		
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	32.42	5.73
		For Stainless Steel, Add	*5.23*	
		For Brass Or Nickel, Add	*5.71*	
		For Aluminum, Add	*1.86*	
		For Medium Gauge, Deduct	*-1.90*	
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	33.05	5.73
		For Stainless Steel, Add	*5.58*	
		For Brass Or Nickel, Add	*6.08*	
		For Aluminum, Add	*1.99*	
		For Medium Gauge, Deduct	*-2.03*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	34.32	5.73
		For Stainless Steel, Add	*6.28*	
		For Brass Or Nickel, Add	*6.85*	
		For Aluminum, Add	*2.24*	
		For Medium Gauge, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	35.75	5.73
		For Stainless Steel, Add	*7.06*	
		For Brass Or Nickel, Add	*7.70*	
		For Aluminum, Add	*2.52*	
		For Medium Gauge, Deduct	*-2.57*	
08 71 11 00-0400		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	68.10	5.73
		For Bronze Finish, Add	*16.95*	
		For Heavy-Duty, Add	*12.07*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	73.39	5.73
		For Bronze Finish, Add	*18.93*	
		For Heavy-Duty, Add	*13.49*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	46.91	5.73
		For Bronze Finish, Add	*9.00*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	54.56	5.73
		For Bronze Finish, Add	*11.87*	
08 71 11 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	188.54	10.02
		For Satin Brass, Add	*33.22*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	202.93	12.89
		For Satin Brass, Add	*33.24*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	224.81	15.76
		For Satin Brass, Add	*35.05*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	295.13	18.62
		For Satin Brass, Add	*48.49*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	329.93	21.48
		For Satin Brass, Add	*53.40*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	397.38	24.35
		For Satin Brass, Add	*66.15*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	541.47	68.03
		For Satin Brass, Add	*97.30*	
08 71 11 00-0413		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	48.84	10.02
08 71 11 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.		
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	323.81	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	382.31	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	440.81	
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	24.93	7.16
08 71 11 00-0421		**Door Trim** *(08 71 11)*		
08 71 11 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424		**Aluminum Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	39.91	17.90
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	43.99	17.90
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	45.55	17.90
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	69.22	17.90
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	72.05	17.90
08 71 11 00-0430		**Brass Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	44.56	17.90
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	46.12	17.90
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	46.12	17.90
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	46.72	17.90
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	47.52	17.90
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	47.52	17.90
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	47.52	17.90
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	45.55	17.90
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	47.90	17.90
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	47.90	17.90
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	48.82	17.90
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	49.62	17.90
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	49.62	17.90
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	53.34	17.90
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	48.06	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	48.06	17.90
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	50.64	17.90
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	50.64	17.90
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	50.64	17.90
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	50.64	17.90
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.84	17.90
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.84	17.90
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	52.36	17.90
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	52.36	17.90
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	52.36	17.90
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	52.36	17.90
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	71.51	17.90
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	72.62	17.90
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	75.33	17.90
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	77.52	17.90
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	77.52	17.90
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	86.47	17.90
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	86.47	17.90
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	83.16	17.90
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	84.75	17.90
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	84.75	17.90
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	84.75	17.90
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	84.75	17.90
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	97.00	17.90
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	97.00	17.90
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	58.18	17.90
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	60.22	17.90
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	64.83	17.90
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	64.83	17.90
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	64.83	17.90
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	66.20	17.90
08 71 11 00-0477		**Steel Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	50.22	17.90
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	126.02	17.90
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	132.48	17.90
08 71 11 00-0481		**Wall Stops** *(08 71 11 00-0422)*		
08 71 11 00-0482		**Aluminum Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	19.96	7.16
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	29.12	10.74
08 71 11 00-0485		**Brass Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	33.83	7.16
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	33.83	7.16
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	33.83	7.16
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	39.88	7.16
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	40.45	7.16
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	40.45	7.16
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	40.45	7.16
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	93.58	10.74
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	95.71	10.74
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	95.71	10.74
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	95.71	10.74
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	95.71	10.74
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	95.71	10.74
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	78.56	10.74
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	90.08	10.74
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	90.08	10.74
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	90.08	10.74
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	90.08	10.74
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	92.82	10.74
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	92.82	10.74
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	149.71	10.74
08 71 11 00-0507		**Steel Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	15.51	7.16
08 71 11 00-0509		**Hinge Pin Door Stops** *(08 71 11 00-0422)*		
08 71 11 00-0510		**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	32.14	14.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0512		**Brass Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	32.81	14.33
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	37.01	14.33
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	47.13	14.33
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	47.13	14.33
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	47.13	14.33
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	51.87	14.33
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	51.87	14.33
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	51.87	14.33
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	51.87	14.33
08 71 11 00-0522		**Wall Bumpers** *(08 71 11 00-0422)*		
08 71 11 00-0523		**Brass Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.43	17.90
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.43	17.90
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.43	17.90
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	43.00	17.90
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	43.00	17.90
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	43.00	17.90
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	43.00	17.90
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	62.47	17.90
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.76	17.90
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.76	17.90
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.76	17.90
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.76	17.90
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.76	17.90
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	68.93	17.90
08 71 11 00-0538		**Rubber Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	40.33	17.90
08 71 11 00-0540		**Holders** *(08 71 11 00-0421)*		
08 71 11 00-0541		**Plunger Type Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0542		**Aluminum Plunger Type Door Holders** *(08 71 11 00-0541)*		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	98.83	10.74
08 71 11 00-0544		**Brass Plunger Type Door Holders** *(08 71 11 00-0541)*		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	161.01	10.74
08 71 11 00-0552		**Kick Down Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0553		**Aluminum Kick Down Door Holders** *(08 71 11 00-0552)*		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	34.11	10.74
08 71 11 00-0555		**Brass Kick Down Door Holders** *(08 71 11 00-0552)*		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	72.77	10.74
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	72.77	10.74
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	72.77	10.74
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	82.86	10.74
08 71 11 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	82.86	10.74
08 71 11 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	82.86	10.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	85.40	10.74
08 71 11 00-0563		**Steel Kick Down Door Holders** *(08 71 11 00-0552)*		
08 71 11 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	41.91	10.74
08 71 11 00-0565		**Floor Mounted Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0566		**Brass Floor Mounted Door Holders** *(08 71 11 00-0565)*		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	142.53	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	142.53	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	176.04	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	176.04	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	176.04	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	176.04	21.48
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573		**Wall Mounted Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0574		**Aluminum Wall Mounted Door Holders** *(08 71 11 00-0573)*		
08 71 11 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	125.80	12.53
08 71 11 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	184.85	21.48
08 71 11 00-0577		**Brass Wall Mounted Door Holders** *(08 71 11 00-0573)*		
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	115.65	12.53
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.82	12.53
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.82	12.53
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.82	12.53
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.82	12.53
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.82	12.53
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	138.08	12.53
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	130.86	12.53
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.65	12.53
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.65	12.53
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.65	12.53
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.65	12.53
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.65	12.53
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	209.57	21.48
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	220.71	21.48
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	220.71	21.48
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	220.71	21.48
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	220.71	21.48
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	220.71	21.48
08 71 11 00-0597		**Overhead Door Holders** *(08 71 11 00-0540)*		
08 71 11 00-0598		**Surface Mounted, Overhead Door Holders** *(08 71 11 00-0597)*		
08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	651.05	35.81
		For Hold Open, Add	*73.28*	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.60	35.81
		For Hold Open, Add	*86.78*	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.60	35.81
		For Hold Open, Add	*86.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.60	35.81
		For Hold Open, Add	*86.78*	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	741.42	35.81
		For Hold Open, Add	*86.32*	

08 71 11 00-0604 Heavy-Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	509.77	35.81
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	733.14	35.81
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.51	35.81
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.51	35.81
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.51	35.81

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	709.60	35.81
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	709.60	35.81
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	747.78	35.81
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	780.24	35.81
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	780.24	35.81

08 71 11 00-0616 Silencers *(08 71 11 00-0421)*

08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	2.12	

08 71 11 00-0618 Bolts *(08 71 11 00-0421)*

08 71 11 00-0619 Brass Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	212.21	17.90
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	226.91	17.90
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	226.91	17.90

08 71 11 00-0623 Steel Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	98.30	17.90
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	98.30	17.90
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	98.30	17.90
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	111.16	17.90
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	113.00	17.90
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	116.66	17.90
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	114.82	17.90
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	120.35	17.90
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	127.70	17.90
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	133.21	17.90
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	206.71	17.90

08 71 11 00-0635 Door Viewer *(08 71 11 00-0421)*

08 71 11 00-0636 Brass Door Viewer *(08 71 11 00-0635)*

08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	53.34	17.90
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	53.34	17.90
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	53.34	17.90
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	61.55	17.90
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	61.55	17.90
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	61.55	17.90
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	71.67	17.90
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	71.67	17.90

08 71 11 00-0645 Door Knockers *(08 71 11 00-0421)*

08 71 11 00-0646 Brass Door Knockers *(08 71 11 00-0645)*

08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	78.67	17.90
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	86.47	17.90
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	86.47	17.90
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	86.47	17.90
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	116.06	17.90
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	134.86	17.90

08 71 11 00-0653 Hasps *(08 71 11 00-0421)*

08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	37.65	13.51
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	40.13	14.33
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	50.87	16.11
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	200.31	19.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0658		**Flush Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0659		**Flush Bolts For Metal Doors** *(08 71 11 00-0658)*		
08 71 11 00-0660		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0661		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	76.25	17.90
08 71 11 00-0663		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	153.11	17.90
08 71 11 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	153.11	17.90
08 71 11 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	265.67	28.64
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	272.39	25.06
08 71 11 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	283.33	26.86
08 71 11 00-0669		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	180.81	17.90
08 71 11 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	335.13	28.64
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	327.96	25.06
08 71 11 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	340.74	26.86
08 71 11 00-0674		**Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0675		**Automatic, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	153.11	17.90
08 71 11 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	153.11	17.90
08 71 11 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	265.67	28.64
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	272.39	25.06
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	283.33	26.86
08 71 11 00-0681		**Constant Latching, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	180.81	17.90
08 71 11 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	335.13	28.64
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	327.96	25.06
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	340.74	26.86
08 71 11 00-0686		**Flush Bolts For Wood Doors** *(08 71 11 00-0658)*		
08 71 11 00-0687		**Brass Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
08 71 11 00-0688		**Manual, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	90.00	17.90
08 71 11 00-0690		**Automatic, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	189.59	17.90
08 71 11 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	189.59	17.90
08 71 11 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	350.57	28.64
08 71 11 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	343.40	25.06
08 71 11 00-0695		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	188.16	17.90
08 71 11 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	350.57	28.64
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	343.40	25.06
08 71 11 00-0699		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
08 71 11 00-0700		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	189.59	17.90
08 71 11 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	189.59	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	350.57	28.64
08 71 11 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	343.40	25.06
08 71 11 00-0705		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	188.16	17.90
08 71 11 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	350.57	28.64
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	343.40	25.06
08 71 11 00-0709		**Dust Proof Strikes** *(08 71 11 00-0658)*		
08 71 11 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	67.97	14.33
08 71 11 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	67.97	14.33
08 71 11 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	67.97	14.33
08 71 11 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	67.97	14.33
08 71 11 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	67.97	14.33
08 71 11 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.25	14.33
08 71 11 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.25	14.33
08 71 11 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.25	14.33
08 71 11 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.25	14.33
08 71 11 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.25	14.33
08 71 11 00-0720		**Roller Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0721		**Brass Roller Bumpers** *(08 71 11 00-0720)*		
08 71 11 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	70.80	10.74
08 71 11 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	83.08	10.74
08 71 11 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	83.08	10.74
08 71 11 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	68.03	10.74
08 71 11 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.39	10.74
08 71 11 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.39	10.74
08 71 11 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.39	10.74
08 71 11 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.99	10.74
08 71 11 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.61	10.74
08 71 11 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.73	10.74
08 71 11 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.73	10.74
08 71 11 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.73	10.74
08 71 11 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.73	10.74
08 71 11 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.73	10.74
08 71 11 00-0736		**Other Door Trim** *(08 71 11 00-0421)*		
08 71 11 00-0737		**Coat And Hat Hooks** *(08 71 11 00-0736)*		
08 71 11 00-0738		**Aluminum Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	24.89	10.74
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	24.89	10.74
08 71 11 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	25.12	10.74
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	24.73	10.74
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	24.73	10.74
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	24.73	10.74
08 71 11 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	25.12	10.74
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	26.26	10.74
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	26.26	10.74
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	26.26	10.74
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	26.26	10.74
08 71 11 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	26.26	10.74
08 71 11 00-0751		**Brass Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	31.13	10.74
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	31.73	10.74
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	32.69	10.74
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	32.69	10.74
08 71 11 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	33.29	10.74
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	35.23	10.74
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	37.97	10.74
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	37.97	10.74
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	37.97	10.74
08 71 11 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	38.58	10.74
08 71 11 00-0762		**Door Plates And Pulls** *(08 71 11)*		
08 71 11 00-0763		**Kick Plate** *(08 71 11 00-0762)*		
		Note: Ives 8400.		
08 71 11 00-0764		**Aluminum Base Material Kick Plate** *(08 71 11 00-0763)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0765		Satin Aluminum Finish, Aluminum Kick Plate *(08 71 11 00-0764)*		
		Note: US28		
08 71 11 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.37	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.17	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.90	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.67	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.33	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.04	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.83	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0773	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.58	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0774	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.21	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0775	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.98	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0776	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.71	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0777	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.39	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0778	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.15	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0779	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.89	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0780	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.01	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0781	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.47	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0782	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.88	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0783	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.35	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.68	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.59	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.02	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.35	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.79	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.26	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.60	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.01	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0793	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.47	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.61	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.72	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.92	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.99	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.02	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.16	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.30	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.47	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.47	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.60	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.77	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.78	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.92	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.09	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.02	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.85	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.76	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.59	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.26	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.94	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.77	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.48	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.29	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.13	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.82	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.69	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	170.53	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.66	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.16	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.73	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.24	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.17	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.71	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.22	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.60	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	162.17	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.67	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.04	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.58	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.15	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.62	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.24	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.86	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.48	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.93	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.55	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.17	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.79	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.28	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.90	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.53	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	200.01	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	206.63	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0849	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.25	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.57	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.92	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.27	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.63	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.85	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.20	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.55	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.90	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	194.12	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	201.47	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	208.82	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	219.05	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	226.40	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	233.75	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.65	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.74	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.82	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.91	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.89	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	180.98	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	189.06	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.15	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	208.09	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	216.18	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	224.26	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	235.21	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	243.30	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	251.38	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.74	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.55	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.40	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.22	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.90	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	192.72	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	201.54	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	210.39	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.06	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	230.88	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	239.70	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	251.38	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	260.23	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	269.05	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0892 Brass Base Material Kick Plate *(08 71 11 00-0763)*

08 71 11 00-0893 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0892)*

Note: US3/US4

08 71 11 00-0894	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.95	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	153.11	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.31	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.48	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	183.51	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.74	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.91	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.08	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	232.27	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.44	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.48	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	262.71	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.88	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	169.21	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.65	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.15	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	203.62	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	217.91	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.41	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.91	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.38	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.68	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	278.18	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.68	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	303.98	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.48	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	326.95	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	194.38	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.22	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	221.95	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	235.72	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.38	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.15	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.92	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.65	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.34	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	324.08	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.85	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0933	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	354.48	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	368.22	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	382.05	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.54	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	238.58	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	254.65	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	270.75	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.68	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	305.74	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.78	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.85	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	356.78	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	372.85	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	388.89	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	407.82	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	423.92	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	439.98	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	311.89	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	336.14	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	360.32	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	384.47	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	411.51	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	435.72	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	459.94	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	484.05	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	511.17	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	535.38	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	559.57	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0961	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	586.58	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	610.76	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	634.97	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.63	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	371.79	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	398.91	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	426.12	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	456.14	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.26	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	510.47	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	537.59	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	567.68	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.83	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	621.95	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	652.03	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	679.15	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	706.30	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	380.68	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	410.84	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	441.06	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	471.18	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	504.27	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	534.46	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	564.61	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.83	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	627.81	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	658.03	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	688.22	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	721.25	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	751.47	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	781.59	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	413.91	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	447.06	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	480.25	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	513.48	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	549.54	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	582.76	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	615.95	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	649.17	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	685.19	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	718.38	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	751.60	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	787.66	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	820.88	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	854.01	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	447.06	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.26	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	519.51	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	555.74	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.83	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	631.02	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	667.25	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	705.45	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	742.53	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	778.72	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	814.94	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1017	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	854.01	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	890.29	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	926.49	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020		Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0892)*		
		Note: US10/US10B		
08 71 11 00-1021	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.29	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	166.55	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	176.89	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.15	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.36	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.64	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	220.96	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.24	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.35	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.70	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.99	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	278.17	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	288.46	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.78	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.59	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	197.50	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.34	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.21	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	238.94	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	251.84	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.68	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	277.55	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.32	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	306.19	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1045	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.03	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	334.84	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	347.68	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.55	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.92	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.38	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.81	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	259.27	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	277.55	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.05	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.50	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.93	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.25	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.68	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	373.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	391.43	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	406.92	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	422.35	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.08	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.13	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.14	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.16	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.03	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	337.08	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	355.09	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	373.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	394.02	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	412.03	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1073	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.05	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	450.96	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.03	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	487.05	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.74	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	369.77	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	396.75	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	423.74	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	453.59	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	480.58	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.60	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	534.59	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	564.45	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	591.44	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	618.43	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	648.28	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	675.27	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	702.26	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	378.90	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.21	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	439.46	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.77	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	502.88	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	533.16	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	563.43	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	593.71	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.83	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.14	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1101	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	687.45	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	720.56	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	750.87	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	781.12	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	418.75	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.44	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	486.04	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	519.74	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	556.21	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	589.84	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	623.51	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.14	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	693.70	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	727.30	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	760.93	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	797.47	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	831.10	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	864.77	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	455.77	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.82	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	529.80	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	566.79	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	606.71	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	643.70	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	680.71	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	717.70	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	757.61	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	794.60	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1129	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	831.62	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	871.47	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	908.46	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	945.51	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.82	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	533.16	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	573.53	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	613.90	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.14	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	697.51	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	737.95	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	778.26	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	821.49	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	861.90	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	902.27	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	945.51	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	985.88	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	1,026.25	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1147 Stainless Base Material Kick Plate *(08 71 11 00-0763)*

08 71 11 00-1148 Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1147)*
Note: US26/US26D

08 71 11 00-1149	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	154.57	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	164.72	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	174.87	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	185.02	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	198.02	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	208.14	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	218.29	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	228.44	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1157	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.45	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	251.63	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.78	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.79	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	284.94	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	295.09	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	182.49	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	195.16	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	207.84	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	220.52	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	236.09	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.77	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.44	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.66	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	302.34	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	315.01	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	330.56	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	343.24	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	355.92	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	210.37	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	225.58	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	240.85	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	256.06	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.36	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	304.57	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	319.77	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1185	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	337.84	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	353.05	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.29	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	386.36	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	401.63	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	416.84	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	258.92	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	276.68	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	294.42	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	315.01	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	332.78	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.52	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.29	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	388.96	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	406.69	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	424.43	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	413.04	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	462.79	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	480.56	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	343.43	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	370.52	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	397.57	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	424.62	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	454.53	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	481.58	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	508.67	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	535.72	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1213	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	565.64	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	592.69	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	619.74	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	649.66	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	676.71	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	703.76	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	379.67	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	410.05	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	440.37	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	470.75	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	503.93	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	534.28	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	564.63	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	594.98	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	628.16	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.55	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	688.93	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	722.10	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	752.49	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	782.80	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	419.60	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	453.38	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	487.06	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	520.83	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	557.38	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	591.09	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	624.83	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.55	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1241	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	695.18	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	728.86	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	762.57	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	799.18	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	832.89	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	866.64	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	456.71	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	493.84	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	530.92	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	567.99	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	608.00	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	645.07	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	682.17	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	719.24	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	759.24	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	796.31	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	833.42	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	873.36	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	910.43	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	947.57	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	493.84	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	534.28	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	574.74	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	615.21	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.55	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	699.01	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	739.54	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	779.94	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1269	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	823.27	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	863.77	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	904.23	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	947.57	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	988.03	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	1,028.50	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1275 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US32D

08 71 11 00-1276	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.70	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.90	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.01	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.24	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.24	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.35	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.58	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.72	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.75	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.91	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.05	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.09	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.26	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.40	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.40	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.38	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.33	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.26	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.10	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.05	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.98	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1297	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.90	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.78	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.70	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.62	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.47	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.43	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.35	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.12	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.86	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.59	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.33	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.90	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.67	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.37	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.14	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.71	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.48	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.25	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.83	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.60	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.30	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.67	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.19	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.75	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.27	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.62	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.17	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.70	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1325	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.25	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.67	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	162.13	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.69	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.10	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.62	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.18	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.91	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.97	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.75	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.49	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.88	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.66	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.40	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	180.02	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.83	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.60	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	203.77	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.96	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.73	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.63	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.10	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.50	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.94	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.27	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.67	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.11	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1353	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.51	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.85	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.29	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	207.69	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.02	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	225.49	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	232.89	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.59	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	147.84	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.12	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.35	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.50	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.78	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.00	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.29	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	211.40	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	219.68	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.97	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	239.06	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	247.34	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	255.59	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.66	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.79	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.82	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.96	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.86	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.99	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.06	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1381	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	215.16	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.09	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	236.19	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	245.32	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	257.22	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	266.35	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	275.39	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.79	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.67	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.62	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.50	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.29	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.20	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	220.12	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	230.03	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	242.81	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	252.72	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.64	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	275.39	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1400	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	285.34	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	295.28	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1402 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US32

08 71 11 00-1403	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.74	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.21	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.61	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.05	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.31	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.78	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1409	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.19	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.66	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.89	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.36	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.83	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.10	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.54	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	229.94	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.19	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.45	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.78	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.08	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.20	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.50	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.82	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.24	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.54	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.87	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.97	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.30	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	274.59	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.61	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.80	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.95	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.11	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.12	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.21	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1437	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.40	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.55	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.57	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.72	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.84	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.90	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	308.02	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.18	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.95	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.97	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.98	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.99	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.87	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.85	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.86	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.84	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	298.76	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	311.77	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.79	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	340.66	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	353.61	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	366.63	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.37	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.21	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	239.15	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	253.99	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.72	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.59	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1465	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.44	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	316.31	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	334.05	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	348.89	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.77	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	381.50	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	396.40	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	411.28	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.00	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	248.99	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.85	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.84	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	302.62	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.48	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	336.47	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.01	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.19	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	390.11	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	407.04	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	426.82	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	443.75	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	460.67	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.60	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	274.38	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.20	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	311.98	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.67	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	352.52	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1493	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.27	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	390.11	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	411.73	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	430.57	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	449.39	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	471.04	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	489.86	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	508.64	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.27	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.95	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	317.62	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	338.30	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	361.87	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	382.58	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.29	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	423.96	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	447.50	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	468.17	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	488.85	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	512.39	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	533.13	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	553.81	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.95	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.48	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	342.08	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	364.65	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	390.11	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	412.65	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1521	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	435.21	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	457.81	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	483.24	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	505.77	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	528.37	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	553.81	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	576.40	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	598.94	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1529 Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US15

08 71 11 00-1530	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	158.71	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	169.18	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	179.75	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	190.23	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	203.66	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	214.16	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	224.70	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	235.20	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.53	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	259.10	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.61	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	283.01	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	293.52	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	304.05	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	187.62	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	200.80	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	213.91	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	227.06	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	243.06	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1549	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	256.24	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.36	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.50	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.54	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	311.69	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	340.88	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	354.00	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	367.15	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	216.55	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	232.34	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.10	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	263.89	10.74
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.50	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.32	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	314.11	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	329.87	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.52	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	364.28	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	380.03	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	398.69	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	414.51	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	430.27	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.31	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	266.75	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	285.15	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	303.54	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1577	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	343.23	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.63	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	380.03	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	401.33	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	419.73	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	438.13	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	459.42	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	477.89	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	496.28	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	349.08	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	376.68	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	404.25	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	431.81	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	462.24	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	489.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.40	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	544.97	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	575.40	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	602.97	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	630.54	12.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	660.96	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	688.53	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	716.09	13.61
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	386.01	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	416.97	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	447.86	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	478.82	11.46
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	512.57	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1605	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	543.50	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	574.43	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	605.35	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	639.11	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	670.07	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	701.03	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	734.78	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	765.74	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	796.64	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	426.65	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	461.06	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	495.38	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	529.80	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	566.99	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	601.34	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	635.72	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	670.07	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	707.35	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	741.67	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	776.02	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	813.27	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	847.62	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	882.01	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.46	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	502.30	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	540.08	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	577.85	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	618.56	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1633	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	656.34	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	694.15	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	731.92	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.63	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	810.40	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	848.21	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	888.86	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	926.63	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	964.48	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	502.30	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	543.50	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	584.73	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	625.97	12.18
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	670.07	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	711.31	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	752.61	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	793.78	12.89
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	837.87	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	879.14	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	920.37	13.61
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	964.48	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	1,005.71	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	1,046.94	14.33
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1656 Plastic Kick Plate *(08 71 11 00-0763)*

08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1656)*

Note: With four beveled edges.

08 71 11 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.75	10.74
08 71 11 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.06	10.74
08 71 11 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.45	10.74
08 71 11 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.78	10.74
08 71 11 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.00	11.46
08 71 11 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.33	11.46
08 71 11 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.64	11.46
08 71 11 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.03	11.46
08 71 11 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.07	12.18
08 71 11 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.53	12.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.92	12.18
08 71 11 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.12	12.89
08 71 11 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.48	12.89
08 71 11 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.82	12.89
08 71 11 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.18	10.74
08 71 11 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.14	10.74
08 71 11 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.04	10.74
08 71 11 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.95	10.74
08 71 11 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.76	11.46
08 71 11 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.67	11.46
08 71 11 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.63	11.46
08 71 11 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.53	11.46
08 71 11 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.35	12.18
08 71 11 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.25	12.18
08 71 11 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.21	12.18
08 71 11 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.98	12.89
08 71 11 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.94	12.89
08 71 11 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.84	12.89
08 71 11 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.64	10.74
08 71 11 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.17	10.74
08 71 11 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.64	10.74
08 71 11 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.20	10.74
08 71 11 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.53	11.46
08 71 11 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.09	11.46
08 71 11 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.61	11.46
08 71 11 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.11	11.46
08 71 11 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.45	12.18
08 71 11 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.97	12.18
08 71 11 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.53	12.18
08 71 11 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.87	12.89
08 71 11 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.43	12.89
08 71 11 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.90	12.89
08 71 11 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.93	11.46
08 71 11 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.06	11.46
08 71 11 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.13	11.46
08 71 11 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.25	11.46
08 71 11 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.21	12.18
08 71 11 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.28	12.18
08 71 11 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.40	12.18
08 71 11 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.53	12.18
08 71 11 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.47	12.89
08 71 11 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.60	12.89
08 71 11 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.69	12.89
08 71 11 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.62	13.61
08 71 11 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.75	13.61
08 71 11 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.82	13.61
08 71 11 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.10	11.46
08 71 11 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.51	11.46
08 71 11 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.83	11.46
08 71 11 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.24	11.46
08 71 11 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.50	12.18
08 71 11 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	134.88	12.18
08 71 11 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.29	12.18
08 71 11 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.64	12.18
08 71 11 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.91	12.89
08 71 11 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.29	12.89
08 71 11 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.70	12.89
08 71 11 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.96	13.61
08 71 11 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.28	13.61
08 71 11 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	183.69	13.61
08 71 11 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.47	11.46
08 71 11 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.56	11.46
08 71 11 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.59	11.46
08 71 11 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.68	11.46
08 71 11 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	274.11	12.18
08 71 11 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.64	12.18
08 71 11 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.73	12.18
08 71 11 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.76	12.18
08 71 11 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.72	12.89
08 71 11 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.78	12.89
08 71 11 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.81	12.89
08 71 11 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.76	13.61
08 71 11 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.79	13.61
08 71 11 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.88	13.61
08 71 11 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.76	12.18
08 71 11 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.50	12.18
08 71 11 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.22	12.18
08 71 11 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.96	12.18
08 71 11 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.58	12.89
08 71 11 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.29	12.89
08 71 11 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.03	12.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.78	12.89
08 71 11 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.35	13.61
08 71 11 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.10	13.61
08 71 11 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	195.81	13.61
08 71 11 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	205.43	14.33
08 71 11 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	212.17	14.33
08 71 11 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	218.89	14.33
08 71 11 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.19	12.18
08 71 11 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.55	12.18
08 71 11 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.98	12.18
08 71 11 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.35	12.18
08 71 11 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.68	12.89
08 71 11 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.10	12.89
08 71 11 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.47	12.89
08 71 11 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.90	12.89
08 71 11 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	195.13	13.61
08 71 11 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	202.56	13.61
08 71 11 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	209.98	13.61
08 71 11 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	220.22	14.33
08 71 11 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	227.65	14.33
08 71 11 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	235.02	14.33
08 71 11 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.55	12.18
08 71 11 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.64	12.18
08 71 11 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.75	12.18
08 71 11 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.83	12.18
08 71 11 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.78	12.89
08 71 11 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	180.83	12.89
08 71 11 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	188.91	12.89
08 71 11 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.02	12.89
08 71 11 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.96	13.61
08 71 11 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	216.02	13.61
08 71 11 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	224.10	13.61
08 71 11 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	235.02	14.33
08 71 11 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	243.16	14.33
08 71 11 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	251.24	14.33

08 71 11 00-1784 Mop Plate *(08 71 11 00-0762)*

Note: Ives 8400. See CSI section 08 71 11 00-0762 for 8" High Plates.

08 71 11 00-1785 Aluminum Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1786 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1785)*

Note: US28

08 71 11 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.82	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.50	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.11	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.79	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.18	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.80	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.47	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.08	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	77.19	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.83	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.48	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	84.98	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	86.65	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	88.27	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.90	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.36	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.86	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.33	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.54	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.98	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	85.51	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	87.94	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.87	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	95.33	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	97.83	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	103.16	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	105.65	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	108.09	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1815 Brass Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1816 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1815)*

Note: US3/US4

08 71 11 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	95.02	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.92	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.76	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.62	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	116.18	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	121.02	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	125.89	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	130.73	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	138.02	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	142.86	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	147.70	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	155.43	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	160.26	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	165.17	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	121.75	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.01	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	136.29	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	143.55	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.56	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.88	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	167.10	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	174.42	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	184.07	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	191.39	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	198.68	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	208.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	216.08	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	223.34	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1845 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1815)*

Note: US10/US10B

08 71 11 00-1846	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	101.32	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	106.72	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	112.16	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	117.56	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	124.72	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	130.15	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	135.59	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	141.03	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	148.83	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	154.26	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1856	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.70	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	168.00	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	173.43	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	178.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	131.12	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	139.31	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	147.43	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	171.38	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	165.39	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	173.51	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	181.64	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	189.76	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	200.37	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	208.50	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	216.62	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	227.60	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	235.72	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	243.85	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1874 Stainless Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1875 Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US26/US26D

08 71 11 00-1876	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.37	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	105.67	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	111.01	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	116.36	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	123.38	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	128.73	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.07	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	139.38	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1884	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	147.15	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	152.52	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	157.86	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	166.06	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	171.37	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	176.71	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	129.69	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	137.66	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.68	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	153.71	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.39	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	171.42	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	179.38	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	187.41	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	197.87	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	205.83	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.86	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	224.68	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	232.71	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	240.70	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1904 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US32D

08 71 11 00-1905	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.42	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.16	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	64.97	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.75	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.28	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.08	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.83	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1912	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.64	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.84	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.65	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.46	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	88.07	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	89.87	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.65	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.20	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.92	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.60	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.31	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.68	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.36	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	89.08	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.76	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	96.90	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	99.55	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	102.23	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	107.80	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	110.45	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	113.16	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1933 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US32

08 71 11 00-1934	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.96	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	88.91	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	92.87	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	96.77	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	102.44	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.37	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1940	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.33	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	114.28	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	120.61	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	124.56	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	128.52	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	135.31	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	139.26	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	143.16	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.60	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	112.56	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	118.47	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	124.37	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	131.96	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	137.87	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	143.77	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	149.68	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	158.04	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	163.95	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	169.85	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	178.62	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	184.49	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	190.39	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1962 Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US15

08 71 11 00-1963	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	102.40	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	107.86	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	113.42	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	118.94	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	126.19	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1968	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	131.68	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	137.20	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	142.73	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	150.72	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	156.21	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	161.70	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	170.12	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	175.65	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	181.11	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	132.74	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	141.01	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	149.28	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	157.55	10.45
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	167.55	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	175.82	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	184.09	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	192.40	10.89
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	203.10	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	211.40	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	219.67	11.46
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	230.81	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	239.08	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	247.38	12.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1991 Plastic Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1992 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-1991)*

Note: With four beveled edges.

08 71 11 00-1993	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.07	10.45
08 71 11 00-1994	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.56	10.45
08 71 11 00-1995	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.07	10.45
08 71 11 00-1996	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	62.56	10.45
08 71 11 00-1997	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.76	10.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1998	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	67.25	10.89
08 71 11 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.73	10.89
08 71 11 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	70.25	10.89
08 71 11 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.16	11.46
08 71 11 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.65	11.46
08 71 11 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	77.13	11.46
08 71 11 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.48	12.18
08 71 11 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	82.99	12.18
08 71 11 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	84.48	12.18
08 71 11 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.27	10.45
08 71 11 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.53	10.45
08 71 11 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	70.75	10.45
08 71 11 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	72.98	10.45
08 71 11 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	76.96	10.89
08 71 11 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.19	10.89
08 71 11 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.41	10.89
08 71 11 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	83.64	10.89
08 71 11 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	88.33	11.46
08 71 11 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	90.55	11.46
08 71 11 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	92.78	11.46
08 71 11 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	97.90	12.18
08 71 11 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	100.13	12.18
08 71 11 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	102.35	12.18
08 71 11 00-2021		**Armor Door Plate** *(08 71 11 00-0762)* Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	33.63	1.79
08 71 11 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.05	1.40
08 71 11 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	36.91	1.79
08 71 11 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.33	1.40
08 71 11 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	74.87	1.79
08 71 11 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	73.29	1.40
08 71 11 00-2028		**Pull Handle And Plates** *(08 71 11 00-0762)*		
08 71 11 00-2029		**Pull Handle** *(08 71 11 00-2028)*		
08 71 11 00-2030	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	73.96	11.82
		For Stainless Steel, Add	*11.21*	
		For Brass, Add	*15.22*	
08 71 11 00-2031	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	77.42	11.82
		For Stainless Steel, Add	*12.67*	
		For Brass, Add	*17.19*	
08 71 11 00-2032	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	82.89	11.82
		For Stainless Steel, Add	*14.96*	
		For Brass, Add	*20.31*	
08 71 11 00-2033	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	85.92	11.82
		For Stainless Steel, Add	*16.24*	
		For Brass, Add	*22.04*	
08 71 11 00-2034	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	91.41	11.82
		For Stainless Steel, Add	*18.54*	
		For Brass, Add	*25.17*	
08 71 11 00-2035	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	98.50	11.82
		For Stainless Steel, Add	*21.52*	
		For Brass, Add	*29.21*	
08 71 11 00-2036	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	77.69	11.82
		For Stainless Steel, Add	*12.78*	
		For Brass, Add	*17.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2037	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	85.25	11.82
		For Stainless Steel, Add	*15.96*	
		For Brass, Add	*21.65*	
08 71 11 00-2038	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	86.49	11.82
		For Stainless Steel, Add	*16.48*	
		For Brass, Add	*22.36*	
08 71 11 00-2039	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	162.86	11.82
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.85*	
		For Brass, Add	*20.11*	
08 71 11 00-2040	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	167.54	11.82
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*22.73*	
		For Brass, Add	*20.93*	
08 71 11 00-2041	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	176.94	11.82
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*24.51*	
		For Brass, Add	*22.56*	
08 71 11 00-2042	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	231.40	11.82
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*34.80*	
		For Brass, Add	*32.04*	
08 71 11 00-2043		**Pull Plate** *(08 71 11 00-2028)*		
08 71 11 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	111.92	8.95
		For Stainless Steel, Add	*44.90*	
		For Brass, Add	*57.08*	
08 71 11 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	114.57	8.95
		For Stainless Steel, Add	*46.47*	
		For Brass, Add	*59.07*	
08 71 11 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	120.60	8.95
		For Stainless Steel, Add	*50.03*	
		For Brass, Add	*63.59*	
08 71 11 00-2047		**Push Bars And Plates** *(08 71 11 00-0762)*		
08 71 11 00-2048		**Push Bars** *(08 71 11 00-2047)*		
08 71 11 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	334.57	8.95
08 71 11 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	293.54	8.95
		For Brass Push Bar, Add	*44.85*	
08 71 11 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	304.36	8.95
		For Brass Push Bar, Add	*46.73*	
08 71 11 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	572.91	8.95
		For Brass Push Bar, Add	*93.46*	
08 71 11 00-2053		**Push Plates** *(08 71 11 00-2047)*		
08 71 11 00-2054		**Aluminum Push Plates** *(08 71 11 00-2053)*		
08 71 11 00-2055		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 11 00-2054)* Note: Ives 8200 Series.		
08 71 11 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.93	8.95
08 71 11 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.93	8.95
08 71 11 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.93	8.95
08 71 11 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	59.77	8.95
08 71 11 00-2060		**Stainless Steel Push Plates** *(08 71 11 00-2053)*		
08 71 11 00-2061		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2060)* Note: Ives 8200 Series.		
08 71 11 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	54.93	8.95
08 71 11 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	58.66	8.95
08 71 11 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	67.15	8.95
08 71 11 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	79.72	8.95
08 71 11 00-2066		**Brass Push Plates** *(08 71 11 00-2053)*		
08 71 11 00-2067		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	66.29	8.95
08 71 11 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	75.84	8.95
08 71 11 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	98.84	8.95
08 71 11 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	113.96	8.95
08 71 11 00-2072		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	73.93	8.95
08 71 11 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	81.69	8.95
08 71 11 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	102.76	8.95
08 71 11 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	123.53	8.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2077		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2066)*		
		Note: Ives 8200 Series.		
08 71 11 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	73.93	8.95
08 71 11 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	81.69	8.95
08 71 11 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	106.48	8.95
08 71 11 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	125.60	8.95
08 71 11 00-2082		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2066)*		
		Note: Ives 8200 Series.		
08 71 11 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	73.93	8.95
08 71 11 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	83.63	8.95
08 71 11 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	112.37	8.95
08 71 11 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	131.49	8.95
08 71 11 00-2087		**Exit Devices** *(08 71 11)*		
08 71 11 00-2088		**Push Bar Exit Device (Von Duprin Series 22)** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2089	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)	904.42	161.12
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2090	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)	998.36	161.12
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2091	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)	1,294.42	193.35
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2092	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)	1,528.40	179.02
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2093	EA	Dummy Trim (Von Duprin Series 22, 210DT)	124.70	26.86
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2094	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	260.00	35.81
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2095	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	480.60	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2096	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	476.27	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2097	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	475.19	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2098	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	382.61	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2099	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	154.78	21.48
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2100	EA	Dummy Trim (Von Duprin Series 22, 230DT)	179.93	26.86
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2101	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	317.41	35.81
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2102	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	378.29	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2103	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	377.20	53.70
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2104		**Push Bar Exit Device, Narrow Stile (Von Duprin Series 33/35)** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2105	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,860.53	161.12
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*143.09*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*138.08*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*54.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*417.81*	
08 71 11 00-2106	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,527.77	193.35
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*201.22*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.05*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.56*	
08 71 11 00-2107	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F)	2,576.52	193.35
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*206.09*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*211.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*198.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*78.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*601.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2108	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish.	2,624.51	221.99
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*203.02*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*195.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*77.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*592.80*	
08 71 11 00-2109	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish.	2,750.27	221.99
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*215.59*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*220.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*208.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*81.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*629.53*	
08 71 11 00-2110	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish.	2,926.08	221.99
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*233.17*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*238.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*225.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*88.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*680.86*	
08 71 11 00-2111	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish.	3,051.84	221.99
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*245.75*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*251.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*237.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*93.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*717.58*	
08 71 11 00-2112	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	415.52	26.86
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*100.42*	
08 71 11 00-2113	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	473.06	35.81
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*35.98*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*108.86*	
08 71 11 00-2114	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	758.54	35.81
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*63.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*192.22*	
08 71 11 00-2115	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	777.82	53.70
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*185.30*	
08 71 11 00-2116	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	918.78	53.70
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*226.46*	
08 71 11 00-2117	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	901.01	53.70
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*221.27*	
08 71 11 00-2118	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown.	909.31	53.70
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.93*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*223.70*	

08 71 11 00-2119 Push Bar Exit Device (Von Duprin Series 98/99) *(08 71 11 00-2087)*
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,607.68	161.12
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.86*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*114.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*182.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*373.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*117.80*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*173.17*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*117.80*	
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,813.74	161.12
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.43*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.26*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*214.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*438.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*138.41*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*203.46*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*138.41*	
08 71 11 00-2122	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,577.88	161.12
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*70.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*111.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*177.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*363.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*114.82*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*168.79*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*114.82*	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,753.36	161.12
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*80.75*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*128.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*205.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*419.61*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*132.37*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*194.58*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*132.37*	
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,274.54	193.35
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*107.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*557.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.90*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.57*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*175.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,553.84	193.35
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*124.33*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.71*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.93*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*646.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.83*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.62*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*203.83*	
08 71 11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,399.25	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*167.85*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*175.07*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*279.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*572.15*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*180.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*265.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*180.49*	
08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,684.76	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.41*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*202.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*662.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*307.29*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*209.04*	
08 71 11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,690.96	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.66*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*308.20*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*209.66*	
08 71 11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,673.07	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*193.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*201.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*322.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*658.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*207.87*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*305.57*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*207.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2130	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	2,350.27	221.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*163.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*556.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.59*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.12*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*175.59*	
08 71 11 00-2131	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,630.83	221.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*189.39*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.65*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*645.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.65*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.36*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*203.65*	
08 71 11 00-2132	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,524.97	193.35
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*122.57*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*311.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*636.98*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*200.94*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*295.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*200.94*	
08 71 11 00-2133	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,686.37	193.35
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.57*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*688.14*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*217.08*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*319.11*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*217.08*	
08 71 11 00-2134	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,258.78	200.50
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*63.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*167.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*266.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*545.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*172.17*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*253.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*172.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2135	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,468.56	200.50
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*299.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*612.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.15*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*283.93*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*193.15*	
08 71 11 00-2136	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,246.27	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*153.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*160.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*256.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*523.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*165.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*242.83*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*165.19*	
08 71 11 00-2137	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,428.25	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*170.55*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.39*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.58*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*183.39*	
08 71 11 00-2138	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,434.75	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*171.16*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*178.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*285.26*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*583.40*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*184.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*270.54*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*184.04*	
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,759.72	221.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*335.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*686.42*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.54*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.31*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*216.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2140	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	3,484.17	186.18
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*462.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*945.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*298.29*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*110.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*124.69*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*298.29*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,690.23	186.18
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*494.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,010.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*318.90*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*133.30*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*318.90*	
08 71 11 00-2142	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	4,149.60	229.15
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*546.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,117.93*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*352.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*131.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*147.41*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*352.66*	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	4,359.39	229.15
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*579.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,184.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*373.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*138.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.18*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*373.64*	
08 71 11 00-2144	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,267.68	186.18
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*273.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*559.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*176.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*65.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.39*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*176.64*	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,473.74	186.18
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*305.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*625.27*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*73.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*113.22*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*197.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2146	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,933.11	229.15
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*358.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*732.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*231.01*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.94*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.60*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*231.01*	
08 71 11 00-2147	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,142.88	229.15
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*390.58*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*798.80*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*251.99*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*93.74*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*144.64*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
		For Accessible Device (AX), Add	*251.99*	
08 71 11 00-2148	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO) Note: Satin chrome plated US26D (BHMA 626) finish.	189.20	21.48
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.42*	
08 71 11 00-2149	EA	Dummy Trim (Von Duprin Series 98/99, 990DT) Note: Satin chrome plated US26D (BHMA 626) finish.	276.79	26.86
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.88*	
08 71 11 00-2150	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	418.09	35.81
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*54.03*	
08 71 11 00-2151	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	320.10	35.81
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.37*	
08 71 11 00-2152	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	715.43	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.17*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*97.28*	
08 71 11 00-2153	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	617.44	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
08 71 11 00-2154	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	617.44	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
08 71 11 00-2155	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	610.75	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.48*	
08 71 11 00-2156	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	512.76	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
08 71 11 00-2157	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT) Note: Satin chrome plated US26D (BHMA 626) finish.	512.76	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
08 71 11 00-2158	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	594.01	53.70
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*76.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2159	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	496.02	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2160	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	496.02	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2161	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	584.58	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*75.03*	
08 71 11 00-2162	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	486.59	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2163	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	486.59	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2164	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	533.28	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.70*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.55*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.31*	
08 71 11 00-2165	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	435.29	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2166	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	435.29	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2167	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	444.78	53.70
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*51.27*	

08 71 11 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2087)*

08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	1,086.69	53.70
08 71 11 00-2170	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	929.67	53.70
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Panic Device Control Board, Add	*82.34*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	714.32	53.70
08 71 11 00-2172	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	452.72	53.70
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2173	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	726.61	53.70
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	259.51	35.81
08 71 11 00-2175	EA	Double Request To Exit (REX) Switch Kit	352.99	35.81
08 71 11 00-2176	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,070.04	
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device		

08 71 11 00-2177 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2087)*

08 71 11 00-2178	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	641.50	35.81
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-498.28*	
08 71 11 00-2179	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	680.50	35.81
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-537.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2180	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	1,101.12	35.81
		For Owner Furnished Material, Deduct	*-957.90*	
08 71 11 00-2181	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	1,086.10	42.97
		For Owner Furnished Material, Deduct	*-914.24*	
08 71 11 00-2182	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	1,125.09	42.97
		For Owner Furnished Material, Deduct	*-953.23*	
08 71 11 00-2183	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	1,210.67	42.97
		For Owner Furnished Material, Deduct	*-1,038.81*	
08 71 11 00-2184	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	1,027.04	35.81
		For Owner Furnished Material, Deduct	*-883.82*	
08 71 11 00-2185	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	1,072.97	35.81
		For Owner Furnished Material, Deduct	*-929.75*	
08 71 11 00-2186	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,166.07	35.81
		For Owner Furnished Material, Deduct	*-1,022.85*	
08 71 11 00-2187	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,580.76	42.97
		For Owner Furnished Material, Deduct	*-1,408.90*	
08 71 11 00-2188	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,626.69	42.97
		For Owner Furnished Material, Deduct	*-1,454.83*	
08 71 11 00-2189	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	3,069.98	42.97
		For Owner Furnished Material, Deduct	*-2,898.12*	
08 71 11 00-2190	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	138.53	28.64
		For Owner Furnished Material, Deduct	*-81.24*	

08 71 11 00-2191 Cross Bar Exit Device, Narrow Stile (Von Duprin Series 55) *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2192	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	2,498.62	161.12
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*260.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*300.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.17*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*430.34*	
08 71 11 00-2193	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	3,223.35	221.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*331.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*381.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*502.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*546.83*	
08 71 11 00-2194	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	3,516.90	221.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*368.24*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*423.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*558.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*607.89*	
08 71 11 00-2195	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	3,295.92	221.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*340.40*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*391.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*516.00*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*561.92*	
08 71 11 00-2196	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	3,580.81	221.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*376.29*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*433.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*570.41*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*621.18*	
08 71 11 00-2197	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	2,510.69	200.50
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*248.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*286.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*376.96*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*410.52*	
08 71 11 00-2198	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.	2,702.42	200.50
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*272.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*313.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*413.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.39*	
08 71 11 00-2199	EA	Dummy Trim (DT) Pull Bracket (Von Duprin Series 55) Note: Anodized finish: dull brass or dull bronze.	428.00	26.86
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.91*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.07*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*74.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2200	EA	Cylinder Assembly (Von Duprin Series 55)	201.00	37.96
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*19.24*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.95*	
08 71 11 00-2201	EA	Night Latch Pull Trim (NL) With Cylinder (Von Duprin Series 55)	711.70	37.96
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.04*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*88.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*116.79*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*127.18*	
08 71 11 00-2202	EA	Thumbturn Trim (376T) With Cylinder (Von Duprin Series 55)	767.66	53.70
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2203	EA	Thumbturn - Blank Escutcheon (376T-BE) (Von Duprin Series 55)	635.00	53.70
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*71.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*93.93*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*102.29*	
08 71 11 00-2204	EA	Lever Trim (371L) With Cylinder (Von Duprin Series 55)	767.66	53.70
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2205	EA	Lever Trim (575L) With Cylinder (Von Duprin Series 55)	882.48	53.70
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*93.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*107.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*141.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*153.77*	
08 71 11 00-2206		**Cross Bar Exit Device (Von Duprin Series 88)** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2207	EA	42" Crossbar, Rim Type, Exit Device	1,602.79	161.12
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*36.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*37.54*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*320.26*	
08 71 11 00-2208	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,861.69	161.12
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.39*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.94*	
08 71 11 00-2209	EA	42" Crossbar, Surface Vertical Rods, Exit Device	2,068.93	193.35
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*424.06*	
08 71 11 00-2210	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,628.94	193.35
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*576.95*	
08 71 11 00-2211	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	2,006.78	221.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*43.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*385.59*	
08 71 11 00-2212	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,516.01	221.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.57*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*61.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*524.61*	
08 71 11 00-2213	EA	42" Crossbar, Mortise Lock, Exit Device	2,140.23	200.50
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*49.70*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*437.67*	
08 71 11 00-2214	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	2,272.39	200.50
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*53.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*55.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*473.75*	
08 71 11 00-2215	EA	Dummy Trim (Von Duprin Series 88, DT)	242.76	26.86
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.48*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*46.72*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2216		EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	379.14	35.81
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.65*	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.92*	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*76.13*	
08 71 11 00-2217		EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	669.67	53.70
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*16.32*	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.85*	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*143.72*	
08 71 11 00-2218		EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	626.34	53.70
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.98*	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*15.46*	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*131.89*	
08 71 11 00-2219		EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	471.94	53.70
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	
08 71 11 00-2220		EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	471.94	53.70
			Note: Anodized finish: dull brass or dull bronze.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	

08 71 11 00-2221 Push Bar Exit Device, Precision Hardware Apex 2000 Series *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.

08 71 11 00-2222		EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	2,289.19	161.12
			For 4' Push Bar, Add	*13.87*	
			For Owner Furnished Material, Deduct	*-1,859.53*	
08 71 11 00-2223		EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	2,416.96	161.12
			For 4' Push Bar, Add	*13.87*	
			For Owner Furnished Material, Deduct	*-1,987.30*	
08 71 11 00-2224		EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	3,140.10	193.35
			For 4' Push Bar, Add	*13.87*	
			For Owner Furnished Material, Deduct	*-2,624.52*	
08 71 11 00-2225		EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	3,267.87	193.35
			For 4' Push Bar, Add	*13.87*	
			For Owner Furnished Material, Deduct	*-2,752.29*	
08 71 11 00-2226		EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	279.23	21.48
			For Owner Furnished Material, Deduct	*-221.94*	
08 71 11 00-2227		EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	745.81	26.86
			For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2228		EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	817.42	53.70
			For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2229		EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	985.56	53.70
			For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2230		EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	985.56	53.70
			For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2231		EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	985.56	53.70
			For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2232		EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	205.23	21.48
			For Owner Furnished Material, Deduct	*-147.94*	
08 71 11 00-2233		EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	438.14	26.86
			For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2234		EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	466.79	35.81
			For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2235		EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	657.69	53.70
			For Owner Furnished Material, Deduct	*-514.47*	
08 71 11 00-2236		EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	657.69	53.70
			For Owner Furnished Material, Deduct	*-514.47*	

08 71 11 00-2237 Door Closers *(08 71 11)*

Note: Includes standard cover and arm.

08 71 11 00-2238		EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	549.37	41.53
			For Delayed Action, Add	*12.60*	
			For AVB (5 Lb. Per Push), Add	*6.60*	
			For Fusible Link Arm, Add	*39.60*	
			For Shock Absorbing Arm, Add	*19.80*	
			For Hold Open Arm, Add	*13.80*	
			For Plated Brass Finish, Add	*101.40*	
			For Plated Finish With Clear Coat, Add	*127.20*	
			For Parallel Arm, Add	*22.40*	
08 71 11 00-2239		EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	663.17	41.53
			For Delayed Action, Add	*12.60*	
			For AVB (5 Lb. Per Push), Add	*6.60*	
			For Fusible Link Arm, Add	*39.60*	
			For Shock Absorbing Arm, Add	*19.80*	
			For Hold Open Arm, Add	*13.80*	
			For Plated Brass Finish, Add	*101.40*	
			For Plated Finish With Clear Coat, Add	*127.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2240	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	681.27	41.53
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2241	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	703.91	41.53
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2242	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	464.13	41.53
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2243	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	467.94	41.53
		For Parallel Arm, Add	*22.40*	

08 71 11 00-2244 Concealed Door Closers *(08 71 11)*

08 71 11 00-2245	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,553.82	123.17
08 71 11 00-2246	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,660.48	123.17
08 71 11 00-2247	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	783.58	50.12
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2248	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	845.98	50.12
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2249 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2250 Locksmith Services *(08 71 11 00-2249)*

08 71 11 00-2251	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.30	
		For >50, Deduct	*-0.46*	
08 71 11 00-2252	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	171.93	
		For >5, Deduct	*-17.19*	
08 71 11 00-2253	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	171.93	
		For >5, Deduct	*-17.19*	
08 71 11 00-2254	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	196.47	
		For >5, Deduct	*-17.19*	
08 71 11 00-2255	EA	Open Locked Doors	171.93	
08 71 11 00-2256	EA	Install Owner Furnished Cores And Cylinders	72.04	

08 71 11 00-2257 Mortise Locksets And Latchsets *(08 71 11 00-2249)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2258	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	987.25	35.81
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*27.85*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*25.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*42.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*297.94*	
08 71 11 00-2259	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	1,174.79	35.81
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.04*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.95*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.58*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.14*	
08 71 11 00-2260	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,307.44	35.81
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*38.42*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*34.93*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*58.21*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*410.97*	
08 71 11 00-2261	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	1,220.32	35.81
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*83.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262	EA	Storeroom/Closet F07 Mortise Lockset	1,220.32	35.81
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
08 71 11 00-2263	EA	Entrance F08 Mortise Lockset	1,362.98	35.81
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*40.25*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*430.58*	
08 71 11 00-2264	EA	Dormitory/Exit F13 Mortise Lockset	1,173.48	35.81
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.00*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.68*	

08 71 11 00-2265 Locks And Latches *(08 71 11 00-2249)*

08 71 11 00-2266 Preassembled Locks And Latches *(08 71 11 00-2265)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2267	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	2,121.40	35.81
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*60.42*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*100.70*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*710.94*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*374.60*	
		For Grade 2, Deduct	*-783.44*	
08 71 11 00-2268	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	2,297.48	35.81
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*65.70*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*109.50*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*773.09*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*407.35*	
		For Grade 2, Deduct	*-851.94*	
08 71 11 00-2269	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,613.19	35.81
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2270	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,613.19	35.81
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2271	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,613.19	35.81
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	

08 71 11 00-2272 Bored Locks And Latches *(08 71 11 00-2265)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2273	EA	Passage/Closet F75 Bored Latchset	340.24	35.81
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.85*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*69.55*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*36.65*	
		For Grade 2, Deduct	*-9.85*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.94*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2274	EA	Bath/Bedroom Privacy F76 Bored Lockset	387.22	35.81
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.38*	
		For Grade 2, Deduct	*-12.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.88*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2275	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside.	425.10	35.81
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2276	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked.	425.10	35.81
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2277	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	425.10	35.81
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2278	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	425.10	35.81
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	

08 71 11 00-2279 Other Locks *(08 71 11 00-2249)*

Note: BHMA A156.5.

08 71 11 00-2280	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,182.62	186.18
08 71 11 00-2281	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,676.23	372.37

08 71 11 00-2282 Pushbutton Combination Locks *(08 71 11 00-2249)*

08 71 11 00-2283 Mechanical Pushbutton Combination Locks *(08 71 11 00-2282)*

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

08 71 11 00-2284 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)

(08 71 11 00-2283)

Note: Satin chrome or antique brass finish.

08 71 11 00-2285	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	949.79	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2286	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	1,019.15	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2287	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	1,046.89	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2288	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,116.26	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2289	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	1,067.70	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2290	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,137.07	90.05
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2291		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,164.81	90.05
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*50.61*	
			For Fire Rated, Add	*69.24*	
08 71 11 00-2292		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,234.17	90.05
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*50.61*	
			For Fire Rated, Add	*69.24*	

08 71 11 00-2293 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)

(08 71 11 00-2283)

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

08 71 11 00-2294		EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,051.06	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2295		EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,106.55	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2296		EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,217.53	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2297		EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,259.14	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2298		EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,259.14	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2299		EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,189.78	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Schlage Core, Add	*50.61*	

08 71 11 00-2300 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)

(08 71 11 00-2283)

Note: Satin chrome or antique brass finish.

08 71 11 00-2301		EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,268.86	90.05
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*50.61*	
08 71 11 00-2302		EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,310.47	90.05
			For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
			For Schlage Core, Add	*50.61*	

08 71 11 00-2303 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 11 00-2283)

Note: Satin stainless, bright brass or antique brass finish.

08 71 11 00-2304		EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	551.64	90.05
			For Schlage Core, Add	*50.61*	
08 71 11 00-2305		EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	734.76	90.05
			For Schlage Core, Add	*50.61*	

08 71 11 00-2306 Electrical Pushbutton Combination Locks *(08 71 11 00-2282)*

Note: Privacy option limits access to privileged users (master codes).

08 71 11 00-2307 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 11 00-2308		EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	984.47	90.05
			For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2309		EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,150.94	90.05
			For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2310		EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,192.56	90.05
			For Satin Brass Finish, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2311	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,123.19	90.05
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2312	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,053.83	90.05
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2313	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,192.56	90.05
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2314	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,220.30	90.05
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2315	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,261.92	90.05
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2316	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,192.56	90.05
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2317 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2318	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,261.92	90.05
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2319	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,261.92	90.05
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2320 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2321	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,476.94	90.05
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2322	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,476.94	90.05
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2323 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2324	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,587.93	90.05
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2325	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,726.65	90.05
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2326	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,754.40	90.05
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2327	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,796.01	90.05
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2328	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,726.65	90.05
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*110.03*	
		Note: Excludes momentary contact switch.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2329			**Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)** *(08 71 11 00-2306)*		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
	08 71 11 00-2330	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,246.87	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Remote Unlock, Add	*110.03*	
			Note: Excludes momentary contact switch.		
	08 71 11 00-2331	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,385.60	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Remote Unlock, Add	*110.03*	
			Note: Excludes momentary contact switch.		
	08 71 11 00-2332	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,413.34	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Remote Unlock, Add	*110.03*	
			Note: Excludes momentary contact switch.		
	08 71 11 00-2333	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,454.96	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Remote Unlock, Add	*110.03*	
			Note: Excludes momentary contact switch.		
	08 71 11 00-2334	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,385.60	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Remote Unlock, Add	*110.03*	
			Note: Excludes momentary contact switch.		
08 71 11 00-2335			**Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)** *(08 71 11 00-2306)*		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
	08 71 11 00-2336	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,190.21	90.05
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	
08 71 11 00-2337			**Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)** *(08 71 11 00-2306)*		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
	08 71 11 00-2338	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	2,004.10	90.05
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
			For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2339			**Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)** *(08 71 11 00-2306)*		
	08 71 11 00-2340	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	981.79	
	08 71 11 00-2341	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,259.24	
	08 71 11 00-2342	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,675.42	
	08 71 11 00-2343	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	497.83	
	08 71 11 00-2344	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	152.55	
			Note: Includes 4 C-cell battery pack.		
	08 71 11 00-2345	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	181.68	
08 71 11 00-2346			**Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)** *(08 71 11 00-2306)*		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
	08 71 11 00-2347	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,227.24	90.05
			For Satin Brass Finish, Add	*17.50*	
			For Owner Furnished Material, Deduct	*-867.04*	
	08 71 11 00-2348	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,393.71	90.05
			For Satin Brass Finish, Add	*17.50*	
			For Owner Furnished Material, Deduct	*-1,033.51*	
	08 71 11 00-2349	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,435.33	90.05
			For Satin Brass Finish, Add	*17.50*	
			For Owner Furnished Material, Deduct	*-1,075.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2350	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,365.96	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,005.76*	
08 71 11 00-2351	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,296.60	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-936.40*	
08 71 11 00-2352	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,435.33	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,075.13*	
08 71 11 00-2353	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,463.07	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,102.87*	
08 71 11 00-2354	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,504.69	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,144.49*	
08 71 11 00-2355	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,435.33	90.05
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,075.13*	
08 71 11 00-2356		**Electrical Pushbutton Combination Locks (Schlage)** *(08 71 11 00-2306)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2357	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,136.41	89.51
		For Owner Furnished Material, Deduct	*-778.37*	
08 71 11 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,311.15	89.51
		For Owner Furnished Material, Deduct	*-953.11*	
08 71 11 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,475.67	89.51
		For Owner Furnished Material, Deduct	*-1,117.63*	
08 71 11 00-2360	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,918.18	89.51
		For Owner Furnished Material, Deduct	*-1,560.14*	
08 71 11 00-2361	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,094.05	89.51
		For Owner Furnished Material, Deduct	*-1,736.01*	
08 71 11 00-2362	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,300.56	89.51
		For Owner Furnished Material, Deduct	*-1,942.52*	
08 71 11 00-2363	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,116.75	89.51
		For Owner Furnished Material, Deduct	*-1,758.71*	
08 71 11 00-2364		**Residential Locks And Latchsets** *(08 71 11 00-2249)*		
08 71 11 00-2365	EA	Residential Entry Lockset With Knobs (Master Keyed)	103.51	21.62
08 71 11 00-2366	EA	Residential Privacy Lockset With Knobs	101.59	21.62
08 71 11 00-2367	EA	Residential Passage Lockset With Knobs	101.34	21.62
08 71 11 00-2368	EA	Residential Dummy Lockset With Knobs	80.86	18.01
08 71 11 00-2369	EA	Residential Entry Lockset With Levers (Master Keyed)	116.76	21.62
08 71 11 00-2370	EA	Residential Privacy Lockset With Levers	112.36	21.62
08 71 11 00-2371	EA	Residential Passage Lockset With Levers	109.18	21.62
08 71 11 00-2372	EA	Residential Dummy Lockset With Levers	82.38	18.01
08 71 11 00-2373	EA	Screen Door - Closer	64.31	15.56
08 71 11 00-2374	EA	Screen Door - Locking Handle	71.93	22.34
08 71 11 00-2375		**Deadbolts** *(08 71 11 00-2249)*		
08 71 11 00-2376		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2375)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2377	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	239.80	35.81
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2378	EA	Double Cylinder Deadbolt, Key Both Sides	272.95	35.81
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2379		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2375)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2380	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	217.09	35.81
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2381	EA	Double Cylinder Deadbolt, Key Both Sides	253.31	35.81
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2382		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2375)*		
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side	310.20	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2384	EA	Small Case Mortised Deadbolt, Key Both Sides	340.89	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2385	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side	304.06	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2386		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2375)*		
		Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2387	EA	Mortised Deadbolt, Key One Side, Knob One Side	393.69	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2388	EA	Mortised Deadbolt, Key Both Sides	444.03	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2389	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side	350.71	35.81
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2390		**Surface Mounted Deadbolts** *(08 71 11 00-2375)*		
08 71 11 00-2391	EA	Single Cylinder Surface Mounted Deadbolt	167.63	35.81
		Note: Key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2392	EA	Double Cylinder Surface Mounted Deadbolt	189.81	35.81
		Note: Key both sides, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2393	EA	Single Cylinder Surface Mounted Interlocking Deadbolt	207.45	35.81
		Note: Jimmy proof, key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2394	EA	Double Cylinder Surface Mounted Interlocking Deadbolt	229.63	35.81
		Note: Jimmy proof, key both sides, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2395		**Surface Mounted Deadlatches** *(08 71 11 00-2249)*		
08 71 11 00-2396	EA	Single Cylinder Surface Mounted Deadlatch	169.37	35.81
		Note: Key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2397	EA	Single Cylinder Surface Mounted Interlocking Deadlatch	207.53	35.81
		Note: Jimmy proof, key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2398		**Electric Strikes** *(08 71 11 00-2249)*		
08 71 11 00-2399	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	419.15	71.61
08 71 11 00-2400	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)	1,200.01	71.61
		Note: For rim mounted lock		
08 71 11 00-2401	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)	1,147.17	71.61
		Note: For rim mounted lock		
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)	887.55	71.61
		Note: For mortise or cylindrical locks		
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)	1,205.64	71.61
		Note: For mortise or cylindrical locks		
08 71 11 00-2404	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)	1,182.72	71.61
		Note: For mortise or cylindrical locks		
08 71 11 00-2405	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)	1,288.50	71.61
		Note: For mortise or cylindrical locks		
08 71 11 00-2406	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)	1,200.97	71.61
		Note: For mortise or cylindrical locks		
08 71 11 00-2407	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	600.82	71.61
08 71 11 00-2408	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	739.20	71.61
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	370.51	71.61
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	370.51	71.61
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	470.65	71.61
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	824.84	71.61
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	416.89	71.61
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	759.42	71.61
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	673.08	71.61
08 71 11 00-2416	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	801.63	94.52
08 71 11 00-2417	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	909.32	94.52
08 71 11 00-2418	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	802.20	94.52

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08 71 11 00-2419		**Electric Hardware** *(08 71 11 00-2249)*		
08 71 11 00-2420	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	226.53	
08 71 11 00-2421	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	262.52	
08 71 11 00-2422	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	139.62	35.81
08 71 11 00-2423	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	436.03	35.81
08 71 11 00-2424	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	756.17	35.81
08 71 11 00-2425	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,157.69	35.81
08 71 11 00-2426	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,279.08	35.81
08 71 11 00-2427	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,527.23	35.81
08 71 11 00-2428	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,852.06	35.81
08 71 11 00-2429	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	118.67	35.81
08 71 11 00-2430	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	121.14	35.81
08 71 11 00-2431	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	136.30	35.81
08 71 11 00-2432	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	139.31	35.81
08 71 11 00-2433	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	140.84	35.81
08 71 11 00-2434	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	149.54	35.81
08 71 11 00-2435	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	120.23	35.81
08 71 11 00-2436	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	132.39	35.81
08 71 11 00-2437	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	142.01	35.81
08 71 11 00-2438	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	158.65	35.81
08 71 11 00-2439	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	163.26	35.81
08 71 11 00-2440	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	135.43	35.81
08 71 11 00-2441	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	152.45	35.81
08 71 11 00-2442	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	95.00	35.81
08 71 11 00-2443	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	108.17	35.81
08 71 11 00-2444	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	115.13	35.81
08 71 11 00-2445	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	122.58	35.81
08 71 11 00-2446	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	161.36	35.81
08 71 11 00-2447	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	177.55	35.81
08 71 11 00-2448	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.38	35.81
08 71 11 00-2449	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	105.46	35.81
08 71 11 00-2450	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	120.57	35.81
08 71 11 00-2451	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	144.63	35.81
08 71 11 00-2452	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	166.14	35.81
08 71 11 00-2453	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	201.48	35.81
08 71 11 00-2454	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	108.84	35.81
08 71 11 00-2455	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	116.63	35.81
08 71 11 00-2456	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	790.77	35.81
08 71 11 00-2457	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	861.83	50.12
08 71 11 00-2458		**Magnetic Locks** *(08 71 11 00-2249)*		
08 71 11 00-2459	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	937.53	171.86
08 71 11 00-2460	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	1,125.24	193.35
08 71 11 00-2461	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	1,097.38	171.86
08 71 11 00-2462	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,284.77	193.35
08 71 11 00-2463	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,148.34	186.18
08 71 11 00-2464	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,257.97	186.18
08 71 11 00-2465	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,343.32	186.18
08 71 11 00-2466	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,475.45	214.83
08 71 11 00-2467	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,621.19	214.83
08 71 11 00-2468	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,686.84	214.83
08 71 11 00-2469	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	505.11	71.61
08 71 11 00-2470	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	832.53	71.61
08 71 11 00-2471	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	1,002.70	71.61
08 71 11 00-2472		**Occupancy Indicator Locks** *(08 71 11 00-2249)*		
08 71 11 00-2473	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571) Note: Standard finish is satin chrome	169.23	35.79
		For Bright Brass Finish, Add	*5.41*	
		For Oil Rubbed Bronze Finish, Add	*14.48*	
		For Aged Bronze Finish, Add	*5.41*	
		For Satin Nickel Finish, Add	*5.41*	
08 71 11 00-2474	EA	Occupancy Indicator Lock And Lever (Vizilok C3F) Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	245.66	35.79
		For Oil Rubbed Bronze Finish, Add	*5.88*	
08 71 11 00-2475		**Door Coordinators** *(08 71 11)*		
08 71 11 00-2476	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	541.53	44.76
		For Anodized Aluminum Finish, Deduct	*-145.00*	
08 71 11 00-2477	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	568.50	46.54
		For Anodized Aluminum Finish, Deduct	*-152.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2478	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	582.35	48.34
		For Anodized Aluminum Finish, Deduct	*-155.60*	
08 71 11 00-2479	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	607.53	50.12
		For Anodized Aluminum Finish, Deduct	*-162.81*	
08 71 11 00-2480	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	650.48	51.92
		For Anodized Aluminum Finish, Deduct	*-177.13*	
08 71 11 00-2481	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	129.28	14.33
		For Anodized Aluminum Finish, Deduct	*-28.80*	
08 71 11 00-2482	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	142.54	16.11
		For Anodized Aluminum Finish, Deduct	*-31.24*	
08 71 11 00-2483	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	163.49	17.90
		For Anodized Aluminum Finish, Deduct	*-36.75*	
08 71 11 00-2484	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	122.79	17.90
08 71 11 00-2485	EA	7" Projection COR Series Gravity Type Door Coordinator	181.66	26.86
		For Anodized Aluminum Finish, Deduct	*-29.70*	
08 71 11 00-2486	EA	9" Projection COR Series Gravity Type Door Coordinator	193.54	26.86
		For Anodized Aluminum Finish, Deduct	*-34.45*	

08 71 11 00-2487 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2488	EA	Removal And Reinstallation Of Door Lockset, Entrance	107.41	
08 71 11 00-2489	EA	Removal And Reinstallation Of Door Lockset, Mortise	171.85	
08 71 11 00-2490	EA	Removal And Reinstallation Of Deadbolt Lock	114.57	
08 71 11 00-2491	PR	Removal And Reinstallation Of Butts/Hinges	28.64	
08 71 11 00-2492	EA	Removal And Reinstallation Of Door Bumper	10.02	
08 71 11 00-2493	EA	Removal And Reinstallation Of Surface Mounted Panic Device	286.44	
08 71 11 00-2494	EA	Removal And Reinstallation Of Kick Plate	35.80	
08 71 11 00-2495	EA	Removal And Reinstallation Of Push Plate	28.64	
08 71 11 00-2496	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	143.22	
08 71 11 00-2497	EA	Removal And Reinstallation Of Door Handles	21.49	

08 71 11 00-2498 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2499	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	692.09	90.23
08 71 11 00-2500	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	676.01	90.23
08 71 11 00-2501	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	757.08	90.23
08 71 11 00-2502	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,235.66	90.23
08 71 11 00-2503	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,192.99	90.23
08 71 11 00-2504	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,192.99	90.23
08 71 11 00-2505	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,088.61	90.23
08 71 11 00-2506	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,352.52	90.23
08 71 11 00-2507	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,293.44	90.23
08 71 11 00-2508	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,590.53	90.23
08 71 11 00-2509	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	772.34	90.23
08 71 11 00-2510	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	759.87	90.23
08 71 11 00-2511	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,149.65	90.23
08 71 11 00-2512	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	812.20	90.23
08 71 11 00-2513	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	812.20	90.23
08 71 11 00-2514	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	812.20	90.23

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,437.21	179.02
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,437.21	179.02

08 71 13 00-0004 Automatic Door Operators (Stanley) *(08 71 13)*

08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,280.32	179.02
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	276.75	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151)	968.91	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,342.39	143.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	555.45	95.53
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	361.26	45.21
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	228.63	45.21
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	356.71	45.21
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,200.00	67.89
08 71 13 00-0014		Miscellaneous Devices *(08 71 13)*		
08 71 13 00-0015	EA	Electric Power Transformer For Magnetic Monitor Switches (Von Duprin EPT-2)	672.19	53.70
08 71 13 00-0016	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	199.51	32.22
08 71 13 00-0017	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	253.53	32.22
08 71 13 00-0018	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	142.15	32.22
08 71 53		**Security Door Hardware** *(08 71)*		
08 71 53 00-0001		Door Exit Alarm Hardware *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	420.86	53.70
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	579.27	53.70
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	488.53	53.70
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	628.63	53.70
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	731.70	71.61
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	129.79	71.61
08 72		**Weatherstripping, Thresholds and Seals** *(08 70)*		
08 72 33		**Weatherstripping and Seals** *(08 72)*		
08 72 33 00-0001		Weather-Stripping And Seals *(08 72 33)*		
08 72 33 00-0002		Astragals *(08 72 33 00-0001)* Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003		Adhesive Backed Astragals *(08 72 33 00-0002)*		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.15	1.08
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	5.69	1.08
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.47	1.08
08 72 33 00-0007		Overlapping Astragals *(08 72 33 00-0002)*		
08 72 33 00-0008		Aluminum, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	21.58	6.44
		For Color Anodized Finish, Add	*2.65*	
08 72 33 00-0010		Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	40.43	6.44
08 72 33 00-0012		"T" Astragals *(08 72 33 00-0002)*		
08 72 33 00-0013		Aluminum, "T" Astragals *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	15.12	6.44
		For Color Anodized Finish, Add	*0.83*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	18.22	6.44
		For Color Anodized Finish, Add	*1.10*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	18.71	6.44
		For Color Anodized Finish, Add	*2.09*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	31.99	6.44
		For Color Anodized Finish, Add	*6.74*	
08 72 33 00-0018		Brass/Bronze, "T" Astragals *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	41.15	6.44
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		Locking Astragals *(08 72 33 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0021		**Outswing Locking Astragals** *(08 72 33 00-0020)* Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0021)*		
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	41.76	6.44
		For Color Anodized Finish, Add	*5.80*	
08 72 33 00-0024	LF	Locking Spring-Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	47.98	6.44
		For Color Anodized Finish, Add	*7.05*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	46.48	6.44
		For Thermal Break, Add	*2.02*	
08 72 33 00-0026	LF	Locking Spring-Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	51.53	6.44
		For Thermal Break, Add	*2.33*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)* Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	48.37	6.44
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) Note: Includes kerf-in foam seal.	48.14	6.44
08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	28.72	6.44
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.20*	
08 72 33 00-0033	LF	Locking Spring-Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	33.92	6.44
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*4.24*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	30.69	6.44
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.59*	
08 72 33 00-0035	LF	Locking Spring-Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	35.84	6.44
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.62*	
08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	26.99	6.44
		For Color Anodized Finish, Add	*14.25*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	43.36	6.44
08 72 33 00-0039		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0039)* Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	18.04	6.44
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	27.95	9.59
		For Color Anodized Finish, Add	*3.54*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	35.64	9.59
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	36.62	9.59
		For Color Anodized Finish, Add	*4.38*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	31.92	9.59
08 72 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0039)* Note: Includes one astragal for each door.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	23.18	9.59
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	23.18	9.59
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	23.18	9.59
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	33.96	9.59
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.97*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	28.65	9.59
		For Color Anodized Finish, Add	*3.82*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	29.36	9.59
		For Color Anodized Finish, Add	*4.10*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	34.66	9.59
		For Color Anodized Finish, Add	*7.78*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	35.37	9.59
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	36.08	9.59
		For Color Anodized Finish, Add	*6.79*	

08 72 33 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals *(08 72 33 00-0039)*

Note: Includes one astragal for each door.

08 72 33 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	61.18	9.59
		For Color Anodized Finish, Add	*10.52*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	62.29	9.59
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*8.64*	

08 72 33 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	115.33	9.59
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	108.60	9.59
		For Silicone Insert, Add	*0.63*	

08 72 33 00-0063 Door Sweeps *(08 72 33 00-0001)*

08 72 33 00-0064 Tack On Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.39	3.58
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	8.50	3.58
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.81	3.58

08 72 33 00-0068 Aluminum Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.

08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	19.45	7.15
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	19.98	7.15
		For Color Anodized Finish, Add	*1.98*	

08 72 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.

08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	28.46	7.15
		For Color Anodized Finish, Add	*5.66*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	30.58	7.15
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	35.18	7.15
		For Color Anodized Finish, Add	*8.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0076		90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	21.21	7.15
		For Color Anodized Finish, Add	*0.69*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	21.04	7.15
		For Color Anodized Finish, Add	*0.67*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	22.27	7.15
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	22.80	7.15
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	20.68	7.15
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	25.63	7.15
		For Color Anodized Finish, Add	*2.26*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	21.74	7.15
		For Color Anodized Finish, Add	*1.48*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV)	17.10	7.15
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*1.39*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV)	17.24	7.15
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*1.46*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)	18.74	7.15
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*1.55*	
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*		
		Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	19.09	7.15
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	19.45	7.15
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	22.27	7.15
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	22.45	7.15
		For Color Anodized Finish, Add	*3.25*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	22.80	7.15
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	24.29	7.15
		For Color Anodized Finish, Add	*3.99*	
08 72 33 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*		
		Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	17.50	7.15
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	17.50	7.15
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	17.68	7.15
08 72 33 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*		
08 72 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	17.15	7.15
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	19.45	7.15
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)	21.17	7.15
		Note: Includes clear anodized finish.		
		For Color Anodized Finish, Add	*1.37*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	21.48	7.15
		For Color Anodized Finish, Add	*1.43*	
08 72 33 00-0106		Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	24.92	7.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0109		**Oak Retainer Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0110		**90 Degree, Oak Retainer Door Sweeps** *(08 72 33 00-0109)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	20.86	7.15
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	23.65	7.15
08 72 33 00-0113		**Door Shoes And Bottoms** *(08 72 33 00-0001)*		
08 72 33 00-0114		**Door Shoes** *(08 72 33 00-0113)*		
08 72 33 00-0115		**Aluminum Retainer Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0116		**Bottom Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	18.56	7.15
		For Color Anodized Finish, Add	*1.70*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	19.09	7.15
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	24.22	7.15
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0120		**Side Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	20.86	7.15
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 211AV)	19.45	7.15
		For Color Anodized Finish, Add	*2.57*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 220AV)	20.51	7.15
		For Color Anodized Finish, Add	*2.48*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 217AV)	20.86	7.15
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2113AV)	28.05	7.15
		For Color Anodized Finish, Add	*2.75*	
08 72 33 00-0127	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2173AV)	28.40	7.15
		For Color Anodized Finish, Add	*2.82*	
08 72 33 00-0128		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	19.80	7.15
		For Color Anodized Finish, Add	*2.74*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	20.86	7.15
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	21.04	7.15
		For Color Anodized Finish, Add	*2.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		**Vinyl Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	23.26	7.15
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	27.28	7.15
08 72 33 00-0135		**Door Bottoms** *(08 72 33 00-0113)*		
08 72 33 00-0136		**Automatic Door Bottoms** *(08 72 33 00-0135)*		
08 72 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	37.60	7.15
		For Color Anodized Finish, Add	*4.66*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	52.17	7.15
		For Color Anodized Finish, Add	*7.57*	
08 72 33 00-0140		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	15.33	5.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	15.33	5.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	20.58	5.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	71.96	

08 72 33 00-0145 Perimeter Gasketing Weather-Strip *(08 72 33 00-0001)*

Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.

08 72 33 00-0146 Adhesive Backed Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*

08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.83	3.58
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.88	3.58
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	6.82	3.58
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.21	3.58
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	6.58	3.58
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.17	3.58
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	7.87	3.58
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	7.34	3.58

08 72 33 00-0155 Kerf-In Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*

08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	4.40	3.58
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	6.13	3.58
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	4.82	3.58
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	4.77	3.58
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	5.95	3.58

08 72 33 00-0161 Cushion/Spring Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*

08 72 33 00-0162 Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*

08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	8.99	3.58
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	8.99	3.58
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	9.36	3.58
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	9.43	3.58

08 72 33 00-0167 Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*

08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	8.79	3.58
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	9.36	3.58
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	9.97	3.58

08 72 33 00-0171 Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*

08 72 33 00-0172 Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*

08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.18	3.58
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.18	3.58
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.18	3.58
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	14.57	3.58
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.48*	
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	14.93	3.58
		For Color Anodized Finish, Add	*3.89*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	14.93	3.58
		For Color Anodized Finish, Add	*2.72*	

08 72 33 00-0179 Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*

08 72 33 00-0180 Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*

08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	14.31	3.58
		For Silicone Insert, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	15.71	3.58
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	18.18	3.58
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	28.06	3.58
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	24.77	3.58
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	21.64	7.15
		For Color Anodized Finish, Add	*2.93*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	22.26	7.15
		For Color Anodized Finish, Add	*3.18*	
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	24.57	3.58
		For Color Anodized Finish, Add	*3.48*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	25.81	3.58
		For Color Anodized Finish, Add	*3.73*	
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	35.35	11.46
		For Color Anodized Finish, Add	*2.69*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	38.35	11.46
		For Color Anodized Finish, Add	*3.89*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	45.33	14.32
		For Color Anodized Finish, Add	*6.68*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	48.71	14.32
		For Color Anodized Finish, Add	*6.46*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	52.76	14.32
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	58.77	14.32
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	70.53	17.18
		For Color Anodized Finish, Add	*6.89*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	74.60	17.18
		For Color Anodized Finish, Add	*7.91*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	81.08	17.18
		For Color Anodized Finish, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0016		**5/16" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	37.83	11.46
		For Color Anodized Finish, Add	*3.22*	
08 72 43 00-0018		**1/2" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	38.01	11.46
		For Color Anodized Finish, Add	*4.69*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	46.75	14.32
		For Color Anodized Finish, Add	*7.67*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	50.19	14.32
		For Color Anodized Finish, Add	*7.20*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	53.11	14.32
		For Color Anodized Finish, Add	*6.06*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	58.77	14.32
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	72.65	17.18
		For Color Anodized Finish, Add	*10.39*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	76.37	17.18
		For Color Anodized Finish, Add	*13.36*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	80.08	17.18
		For Color Anodized Finish, Add	*14.85*	
08 72 43 00-0027		**Brass/Bronze Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0028		**3/16" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	58.64	11.46
08 72 43 00-0030		**1/4" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	81.58	11.46
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	99.31	14.32
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	115.20	14.32
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	130.64	14.32
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	148.28	14.32
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	188.54	17.18
08 72 43 00-0037		**1/2" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	106.37	14.32
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	124.02	14.32
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	141.66	14.32
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	163.72	14.32
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	227.51	17.18
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	217.39	17.18
08 72 43 00-0044		**Stainless Steel Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0045		**1/2" Height, Stainless Steel Saddle Thresholds** *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	93.14	14.32
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	97.55	14.32
08 72 43 00-0048		**Half Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0049		**Aluminum Half Saddle Thresholds** *(08 72 43 00-0048)*		
		Note: Includes mill finish.		
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	53.52	14.32
		For Color Anodized Finish, Add	*7.09*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	66.37	14.32
		For Color Anodized Finish, Add	*3.06*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	53.64	14.32
		For Color Anodized Finish, Add	*8.93*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	58.24	14.32
		For Color Anodized Finish, Add	*7.86*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	53.64	14.32
		For Color Anodized Finish, Add	*8.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	60.00	14.32
		For Color Anodized Finish, Add	*8.47*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)* Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	54.24	14.32
		For Non-Slip Surfacing, Add	*76.83*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	66.56	15.75
		For Non-Slip Surfacing, Add	*98.20*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	83.50	17.90
		For Non-Slip Surfacing, Add	*133.59*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	103.91	18.61
		For Non-Slip Surfacing, Add	*180.06*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	120.07	20.04
		For Non-Slip Surfacing, Add	*239.97*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	147.32	22.19
		For Non-Slip Surfacing, Add	*267.64*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	164.09	24.33
		For Non-Slip Surfacing, Add	*300.09*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	174.02	25.77
		For Non-Slip Surfacing, Add	*306.23*	
08 72 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	88.39	17.90
		For Non-Slip Surfacing, Add	*142.02*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	102.45	18.61
		For Non-Slip Surfacing, Add	*176.12*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	127.16	21.47
		For Non-Slip Surfacing, Add	*218.97*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	148.19	22.90
		For Non-Slip Surfacing, Add	*266.19*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	169.14	24.33
		For Non-Slip Surfacing, Add	*313.22*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	184.47	25.77
		For Non-Slip Surfacing, Add	*345.64*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	223.66	27.20
		For Non-Slip Surfacing, Add	*440.10*	
08 72 43 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	101.50	19.33
		For Non-Slip Surfacing, Add	*175.98*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	118.43	21.47
		For Non-Slip Surfacing, Add	*211.37*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	140.28	22.90
		For Non-Slip Surfacing, Add	*255.07*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	156.44	24.33
		For Non-Slip Surfacing, Add	*290.98*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	182.25	25.77
		For Non-Slip Surfacing, Add	*339.87*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	197.59	27.20
		For Non-Slip Surfacing, Add	*372.32*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	226.53	28.63
		For Non-Slip Surfacing, Add	*423.18*	
08 72 43 00-0088		**Accessories For Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0089		**Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0088)*		
08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	225.79	17.90
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	342.15	17.90
		For Non-Slip Surfacing, Add	*36.76*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	671.66	25.05
		For Non-Slip Surfacing, Add	*74.59*	
08 72 43 00-0093		**Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0088)*		
08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	225.79	17.90
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	342.15	17.90
		For Non-Slip Surfacing, Add	*36.76*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	671.66	25.05
		For Non-Slip Surfacing, Add	*74.59*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)* Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)* Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0101		LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	62.83	14.32
			For Color Anodized Finish, Add	*9.46*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0102		LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	53.82	14.32
			For Color Anodized Finish, Add	*9.02*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0103		LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	68.49	14.32
			For Color Anodized Finish, Add	*11.45*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0104		LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	70.96	14.32
			For Color Anodized Finish, Add	*12.31*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0106		LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	51.70	14.32
			For Color Anodized Finish, Add	*7.96*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0107		LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	54.17	14.32
			For Color Anodized Finish, Add	*9.19*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*		
08 72 43 00-0110		LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	56.82	14.32
			For Color Anodized Finish, Add	*8.41*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0111		LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	59.12	14.32
			For Color Anodized Finish, Add	*9.33*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0112		LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	62.48	14.32
			For Color Anodized Finish, Add	*9.34*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0113		LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	66.28	14.32
			For Color Anodized Finish, Add	*10.67*	
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0117		LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	142.55	14.32
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0118		LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	133.72	14.32
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0119		LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	183.13	14.32
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0120		LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	166.02	14.32
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122		LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	140.61	14.32
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125		LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	151.65	15.75
			For Silicon Insert Seal (Thermoseal), Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	157.74	15.75
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	190.65	15.75
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	177.46	16.46
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)*		
		Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	39.41	11.46
		For Color Anodized Finish, Add	*4.31*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	32.47	10.02
		For Color Anodized Finish, Add	*2.60*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	49.05	11.46
		For Color Anodized Finish, Add	*5.30*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	56.47	11.46
		For Color Anodized Finish, Add	*8.27*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	30.18	10.02
		For Color Anodized Finish, Add	*1.28*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	32.47	10.02
		For Color Anodized Finish, Add	*2.23*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	49.58	14.32
		For Color Anodized Finish, Add	*5.52*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	51.70	14.32
		For Color Anodized Finish, Add	*4.77*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	82.54	11.46
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	101.48	10.02
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	99.76	14.32
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)*		
		Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	45.89	11.46
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	45.89	11.46
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	50.48	14.32
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	53.35	14.32
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	21.14	7.15
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	21.73	7.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	28.03	7.62
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	28.59	7.90
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	40.94	8.13
08 72 43 00-0165		**Vinyl Top, Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	24.38	7.15
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	29.12	7.90
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	49.80	7.90
08 72 43 00-0169		**Vinyl Top, Aluminum Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	24.44	7.15
		For Color Anodized Finish, Add	*2.62*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	28.23	7.90
		For Color Anodized Finish, Add	*3.39*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	29.65	7.90
		For Color Anodized Finish, Add	*3.96*	
08 72 43 00-0173		**Interlocking Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0174		**Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0175		**1/2" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	49.13	8.13
		For Color Anodized Finish, Add	*8.64*	
08 72 43 00-0177		**5/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	34.05	7.62
		For Color Anodized Finish, Add	*4.51*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	31.59	7.90
		For Color Anodized Finish, Add	*5.92*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	36.05	8.13
		For Color Anodized Finish, Add	*4.72*	
08 72 43 00-0181		**7/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	38.88	8.13
		For Color Anodized Finish, Add	*9.28*	
08 72 43 00-0183		**Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0184		**1/2" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	101.93	8.13
08 72 43 00-0186		**5/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	79.30	7.90
08 72 43 00-0188		**7/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	104.14	8.13
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	144.42	8.36
08 72 43 00-0191		**Residential Door Sills** *(08 72 43 00-0001)*		
08 72 43 00-0192		**Fixed Aluminum Residential Door Sills** *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	30.39	8.13
		For Color Anodized Finish, Add	*5.04*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	32.36	8.36
		For Color Anodized Finish, Add	*4.58*	
08 72 43 00-0195		**Adjustable Aluminum Top, Aluminum Residential Door Sills** *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	41.19	8.13
		For Color Anodized Finish, Add	*7.30*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	42.29	8.36
		For Color Anodized Finish, Add	*7.49*	
08 72 43 00-0198		**Adjustable Wood Top, Aluminum Residential Door Sills** *(08 72 43 00-0191)*		
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	41.46	7.90
		For Color Anodized Finish, Add	*7.60*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	42.04	8.13
		For Color Anodized Finish, Add	*5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	43.79	8.36
		For Color Anodized Finish, Add	*5.72*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	18.74	7.15
		For Color Anodized Finish, Add	*3.09*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.15	7.15
		For Color Anodized Finish, Add	*2.92*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	21.57	7.15
		For Color Anodized Finish, Add	*1.81*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	22.57	8.99
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	24.45	8.99
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	26.97	8.99
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	32.68	8.99
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	39.33	8.99
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	98.52	11.88

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	2,379.71	305.06

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	21.89	7.16
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	41.25	7.16
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	38.63	7.16
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	41.88	7.16
08 78 00 00-0006	EA	Commercial U-Bar Lock	49.40	7.16
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	42.53	7.16
08 78 00 00-0008	EA	High Security Padlocks	39.06	7.16
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	23.80	7.16

08 79 Hardware Accessories *(08 70)*

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001		Key Cabinet *(08 79 13)*		
08 79 13 00-0002		Key Cabinets *(08 79 13 00-0001)*		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	564.12	25.77
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	761.36	28.63
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,708.23	42.94
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,401.84	57.26
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	4,696.67	37.94
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	10,608.92	28.63
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	237.27	11.46
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	338.27	14.32
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	324.03	21.48
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	366.90	21.48
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	73.04	
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	164.71	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13		**Factory Installed Glass Glazing** *(08 81 23)*		
08 81 23 13-0001		Clear Float Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0002		Clear Float Factory Installed Glass *(08 81 23 13-0001)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.86	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.80*	
		For Tinted Glass, Add	*2.22*	
		For Reflective Coated Glass, Add	*3.99*	
		For Low-E Coated Glass, Add	*2.22*	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.50	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.52	
		For >50 To 200, Deduct	*-0.35*	
		For >200 To 400, Deduct	*-0.69*	
		For >400, Deduct	*-1.04*	
		For Tinted Glass, Add	*2.88*	
		For Reflective Coated Glass, Add	*5.18*	
		For Low-E Coated Glass, Add	*2.88*	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	19.16	
		For >50 To 200, Deduct	*-0.57*	
		For >200 To 400, Deduct	*-1.15*	
		For >400, Deduct	*-1.72*	
		For Tinted Glass, Add	*4.79*	
		For Reflective Coated Glass, Add	*8.62*	
		For Low-E Coated Glass, Add	*4.79*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.87	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.67*	
		For >400, Deduct	*-2.51*	
		For Tinted Glass, Add	*6.97*	
		For Reflective Coated Glass, Add	*12.54*	
		For Low-E Coated Glass, Add	*6.97*	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.63	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.76*	
		For Tinted Glass, Add	*7.66*	
		For Reflective Coated Glass, Add	*13.78*	
		For Low-E Coated Glass, Add	*7.66*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.64	
		For >50 To 200, Deduct	*-1.10*	
		For >200 To 400, Deduct	*-2.20*	
		For >400, Deduct	*-3.30*	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	45.25	
		For >50 To 200, Deduct	*-1.36*	
		For >200 To 400, Deduct	*-2.72*	
		For >400, Deduct	*-4.07*	
		For Tinted Glass, Add	*11.31*	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
08 81 23 13-0011		Heat Treated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0012		Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.19	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	14.10	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For Low-E Coated Glass, Add	*3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	17.15	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.56	
		For >50 To 200, Deduct	*-0.86*	
		For >200 To 400, Deduct	*-1.71*	
		For >400, Deduct	*-2.57*	
		For Tinted Glass, Add	*7.14*	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	41.50	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.49*	
		For >400, Deduct	*-3.74*	
		For Tinted Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Low-E Coated Glass, Add	*10.38*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	45.58	
		For >50 To 200, Deduct	*-1.37*	
		For >200 To 400, Deduct	*-2.73*	
		For >400, Deduct	*-4.10*	
		For Tinted Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Low-E Coated Glass, Add	*11.40*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	54.53	
		For >50 To 200, Deduct	*-1.64*	
		For >200 To 400, Deduct	*-3.27*	
		For >400, Deduct	*-4.91*	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	67.37	
		For >50 To 200, Deduct	*-2.02*	
		For >200 To 400, Deduct	*-4.04*	
		For >400, Deduct	*-6.06*	
		For Tinted Glass, Add	*16.84*	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	

08 81 23 13-0021 Patterned Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0022 Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	72.10	

08 81 23 13-0024 Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.80	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.80	

08 81 23 13-0027 Wired Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	113.37	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	113.37	

08 81 23 13-0031 Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*

08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	123.93	

08 81 23 13-0033 Frosted Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0034 Frosted Factory Installed Glass *(08 81 23 13-0033)*

08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	57.32	
		For >50 To 200, Deduct	*-1.72*	
		For >200 To 400, Deduct	*-3.44*	
		For >400, Deduct	*-5.16*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	75.20	
		For >50 To 200, Deduct	*-2.26*	
		For >200 To 400, Deduct	*-4.51*	
		For >400, Deduct	*-6.77*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	95.06	
		For >50 To 200, Deduct	*-2.85*	
		For >200 To 400, Deduct	*-5.70*	
		For >400, Deduct	*-8.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	142.10	
		For >50 To 200, Deduct	*-4.26*	
		For >200 To 400, Deduct	*-8.53*	
		For >400, Deduct	*-12.79*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	54.41	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	108.33	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	167.43	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	221.59	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	36.98	
		For >50 To 200, Deduct	*-1.11*	
		For >200 To 400, Deduct	*-2.22*	
		For >400, Deduct	*-3.33*	
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For Low-E Coated Glass, Add	*9.25*	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	46.16	
		For >50 To 200, Deduct	*-1.38*	
		For >200 To 400, Deduct	*-2.77*	
		For >400, Deduct	*-4.15*	
		For Tinted Glass, Add	*9.23*	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	53.32	
		For >50 To 200, Deduct	*-1.60*	
		For >200 To 400, Deduct	*-3.20*	
		For >400, Deduct	*-4.80*	
		For Tinted Glass, Add	*10.66*	
		For Reflective Coated Glass, Add	*16.00*	
		For Low-E Coated Glass, Add	*13.33*	
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	22.12	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-1.99*	
		For Tinted Glass, Add	*3.32*	
		For Reflective Coated Glass, Add	*6.64*	
		For Low-E Coated Glass, Add	*5.53*	
		For One Piece Heat Strengthened Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	24.16	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.62*	
		For Reflective Coated Glass, Add	*7.25*	
		For Low-E Coated Glass, Add	*6.04*	
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.32*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	24.21	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.18*	
		For Tinted Glass, Add	*3.63*	
		For Reflective Coated Glass, Add	*7.26*	
		For Low-E Coated Glass, Add	*6.05*	
		For One Piece Heat Strengthened Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.29*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.33*	

08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	22.77	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.68*	
		For >200 To 400, Deduct	*-1.37*	
		For >400, Deduct	*-2.05*	
		For Tinted Glass, Add	*3.42*	
		For Reflective Coated Glass, Add	*6.83*	
		For Low-E Coated Glass, Add	*5.69*	
		For One Piece Heat Strengthened Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.13*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	24.16	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.62*	
		For Reflective Coated Glass, Add	*7.25*	
		For Low-E Coated Glass, Add	*6.04*	
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.32*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass	27.94	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.51*	
		For Tinted Glass, Add	*4.19*	
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.84*	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass	25.61	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	
		For Tinted Glass, Add	*3.84*	
		For Reflective Coated Glass, Add	*7.68*	
		For Low-E Coated Glass, Add	*6.40*	
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.52*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass Note: Two 5/16" lites with 3/8" air space.	32.08	
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-2.89*	
		For Tinted Glass, Add	*4.81*	
		For Reflective Coated Glass, Add	*9.62*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.42*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.42*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.63*	
		For Argon Gas, Add	*4.41*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	25.61	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	
		For Tinted Glass, Add	*3.84*	
		For Reflective Coated Glass, Add	*7.68*	
		For Low-E Coated Glass, Add	*6.40*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.88*	
		For Argon Gas, Add	*3.52*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	28.40	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*12.07*	
		For Argon Gas, Add	*3.91*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	28.40	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*12.07*	
		For Argon Gas, Add	*3.91*	
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	31.06	
		For >50 To 200, Deduct	*-0.93*	
		For >200 To 400, Deduct	*-1.86*	
		For >400, Deduct	*-2.80*	
		For Tinted Glass, Add	*4.66*	
		For Reflective Coated Glass, Add	*9.32*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.21*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.21*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.20*	
		For Argon Gas, Add	*4.27*	
08 81 23 13-0072		Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	86.96	
		For >50 To 200, Deduct	*-2.61*	
		For >200 To 400, Deduct	*-5.22*	
		For >400, Deduct	*-7.83*	
		For Tinted Glass, Add	*13.04*	
		For Reflective Coated Glass, Add	*26.09*	
		For Low-E Coated Glass, Add	*21.74*	
		For Argon Gas, Add	*11.96*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	105.59	
		For >50 To 200, Deduct	*-3.17*	
		For >200 To 400, Deduct	*-6.34*	
		For >400, Deduct	*-9.50*	
		For Tinted Glass, Add	*15.84*	
		For Reflective Coated Glass, Add	*31.68*	
		For Low-E Coated Glass, Add	*26.40*	
		For Argon Gas, Add	*14.52*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	124.22	
		For >50 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.45*	
		For >400, Deduct	*-11.18*	
		For Tinted Glass, Add	*18.63*	
		For Reflective Coated Glass, Add	*37.27*	
		For Low-E Coated Glass, Add	*31.06*	
		For Argon Gas, Add	*17.08*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	30.15	
		For >50 To 200, Deduct	*-1.92*	
		For >200 To 400, Deduct	*-3.51*	
		For >400, Deduct	*-4.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.72*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	32.37	
		For >50 To 200, Deduct	*-2.07*	
		For >200 To 400, Deduct	*-3.77*	
		For >400, Deduct	*-5.11*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.70*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For Low-E Coated Glass, Add	*3.53*	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	36.73	
		For >50 To 200, Deduct	*-2.28*	
		For >200 To 400, Deduct	*-4.16*	
		For >400, Deduct	*-5.66*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	50.75	
		For >50 To 200, Deduct	*-2.85*	
		For >200 To 400, Deduct	*-5.26*	
		For >400, Deduct	*-7.23*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.64*	
		For Tinted Glass, Add	*7.14*	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	66.30	
		For >50 To 200, Deduct	*-3.48*	
		For >200 To 400, Deduct	*-6.46*	
		For >400, Deduct	*-8.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.60*	
		For Tinted Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Low-E Coated Glass, Add	*10.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	72.99	
		For >50 To 200, Deduct	*-3.83*	
		For >200 To 400, Deduct	*-7.12*	
		For >400, Deduct	*-9.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Low-E Coated Glass, Add	*11.40*	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	88.47	
		For >50 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-8.70*	
		For >400, Deduct	*-12.04*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.46*	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
08 81 23 23-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	107.83	
		For >50 To 200, Deduct	*-5.66*	
		For >200 To 400, Deduct	*-10.52*	
		For >400, Deduct	*-14.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*30.35*	
		For Tinted Glass, Add	*16.84*	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	

08 81 23 23-0011 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Clear Float Field Installed Glass	25.82	
		For >50 To 200, Deduct	*-1.79*	
		For >200 To 400, Deduct	*-3.25*	
		For >400, Deduct	*-4.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.72*	
		For Tinted Glass, Add	*2.22*	
		For Reflective Coated Glass, Add	*3.99*	
		For Low-E Coated Glass, Add	*2.22*	
08 81 23 23-0014	SF	3/16" Thick, Clear Float Field Installed Glass	27.77	
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.49*	
		For >400, Deduct	*-4.69*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.70*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	
08 81 23 23-0015	SF	1/4" Thick, Clear Float Field Installed Glass	31.10	
		For >50 To 200, Deduct	*-2.11*	
		For >200 To 400, Deduct	*-3.82*	
		For >400, Deduct	*-5.15*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
		For Tinted Glass, Add	*2.88*	
		For Reflective Coated Glass, Add	*5.18*	
		For Low-E Coated Glass, Add	*2.88*	
08 81 23 23-0016	SF	5/16" Thick, Clear Float Field Installed Glass	41.35	
		For >50 To 200, Deduct	*-2.57*	
		For >200 To 400, Deduct	*-4.70*	
		For >400, Deduct	*-6.38*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.64*	
		For Tinted Glass, Add	*4.79*	
		For Reflective Coated Glass, Add	*8.62*	
		For Low-E Coated Glass, Add	*4.79*	
08 81 23 23-0017	SF	3/8" Thick, Clear Float Field Installed Glass	52.67	
		For >50 To 200, Deduct	*-3.07*	
		For >200 To 400, Deduct	*-5.64*	
		For >400, Deduct	*-7.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.60*	
		For Tinted Glass, Add	*6.97*	
		For Reflective Coated Glass, Add	*12.54*	
		For Low-E Coated Glass, Add	*6.97*	
08 81 23 23-0018	SF	1/2" Thick, Clear Float Field Installed Glass	58.04	
		For >50 To 200, Deduct	*-3.39*	
		For >200 To 400, Deduct	*-6.22*	
		For >400, Deduct	*-8.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*7.66*	
		For Reflective Coated Glass, Add	*13.78*	
		For Low-E Coated Glass, Add	*7.66*	
08 81 23 23-0019	SF	5/8" Thick, Clear Float Field Installed Glass	70.58	
		For >50 To 200, Deduct	*-4.15*	
		For >200 To 400, Deduct	*-7.63*	
		For >400, Deduct	*-10.43*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.46*	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0020	SF	3/4" Thick, Clear Float Field Installed Glass	85.71	
		For >50 To 200, Deduct	*-5.00*	
		For >200 To 400, Deduct	*-9.19*	
		For >400, Deduct	*-12.57*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*30.35*	
		For Tinted Glass, Add	*11.31*	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
08 81 23 23-0021		Patterned Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0022		Rough Obscure Field Installed Glass *(08 81 23 23-0021)* Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	91.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
08 81 23 23-0024		Patterned, Figured Field Installed Glass *(08 81 23 23-0021)* Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	60.76	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.72*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	62.72	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.19*	
08 81 23 23-0027		Wired Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0028		Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)* Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	132.95	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	132.95	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
08 81 23 23-0031		Polished, Wired Field Installed Glass *(08 81 23 23-0027)*		
08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	143.51	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
08 81 23 23-0033		Frosted Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0034		Frosted Field Installed Glass *(08 81 23 23-0033)*		
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	74.28	
		For >50 To 200, Deduct	*-3.25*	
		For >200 To 400, Deduct	*-6.15*	
		For >400, Deduct	*-8.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.72*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	93.47	
		For >50 To 200, Deduct	*-3.90*	
		For >200 To 400, Deduct	*-7.44*	
		For >400, Deduct	*-10.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.70*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	114.64	
		For >50 To 200, Deduct	*-4.61*	
		For >200 To 400, Deduct	*-8.84*	
		For >400, Deduct	*-12.67*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	166.90	
		For >50 To 200, Deduct	*-6.50*	
		For >200 To 400, Deduct	*-12.49*	
		For >400, Deduct	*-18.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.60*	
08 81 23 23-0039		Fire Rated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0040		Fire Rated Field Installed Glass *(08 81 23 23-0039)*		
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	73.99	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.66*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	127.91	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.66*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	187.01	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.66*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	241.17	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.66*	
08 81 23 23-0045		Laminated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)* Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	56.56	
		For >50 To 200, Deduct	*-2.87*	
		For >200 To 400, Deduct	*-5.35*	
		For >400, Deduct	*-7.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.69*	
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For Low-E Coated Glass, Add	*9.25*	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	70.96	
		For >50 To 200, Deduct	*-3.62*	
		For >200 To 400, Deduct	*-6.74*	
		For >400, Deduct	*-9.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.60*	
		For Tinted Glass, Add	*9.23*	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	80.73	
		For >50 To 200, Deduct	*-4.07*	
		For >200 To 400, Deduct	*-7.58*	
		For >400, Deduct	*-10.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*10.66*	
		For Reflective Coated Glass, Add	*16.00*	
		For Low-E Coated Glass, Add	*13.33*	
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	90.66	
		For >50 To 200, Deduct	*-4.56*	
		For >200 To 400, Deduct	*-8.51*	
		For >400, Deduct	*-11.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.00*	
		For Tinted Glass, Add	*12.00*	
		For Reflective Coated Glass, Add	*18.00*	
		For Low-E Coated Glass, Add	*15.00*	
		For One Piece Heat Strengthened Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		

08 81 23 23-0051 Insulated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0052 Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0053 3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 3/16" air space.	44.05	
		For >50 To 200, Deduct	*-2.64*	
		For >200 To 400, Deduct	*-4.84*	
		For >400, Deduct	*-6.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.45*	
		For Tinted Glass, Add	*3.32*	
		For Reflective Coated Glass, Add	*6.64*	
		For Low-E Coated Glass, Add	*5.53*	
		For One Piece Heat Strengthened Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	47.00	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-2.78*	
		For >200 To 400, Deduct	*-5.10*	
		For >400, Deduct	*-6.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.13*	
		For Tinted Glass, Add	*3.62*	
		For Reflective Coated Glass, Add	*7.25*	
		For Low-E Coated Glass, Add	*6.04*	
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.32*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	47.44	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-2.82*	
		For >200 To 400, Deduct	*-5.17*	
		For >400, Deduct	*-7.06*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.42*	
		For Tinted Glass, Add	*3.63*	
		For Reflective Coated Glass, Add	*7.26*	
		For Low-E Coated Glass, Add	*6.05*	
		For One Piece Heat Strengthened Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.29*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.33*	

08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	45.09	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-4.94*	
		For >400, Deduct	*-6.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.74*	
		For Tinted Glass, Add	*3.42*	
		For Reflective Coated Glass, Add	*6.83*	
		For Low-E Coated Glass, Add	*5.69*	
		For One Piece Heat Strengthened Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.13*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	47.00	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.78*	
		For >200 To 400, Deduct	*-5.10*	
		For >400, Deduct	*-6.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.13*	
		For Tinted Glass, Add	*3.62*	
		For Reflective Coated Glass, Add	*7.25*	
		For Low-E Coated Glass, Add	*6.04*	
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.32*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	48.81	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.93*	
		For >200 To 400, Deduct	*-5.37*	
		For >400, Deduct	*-7.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.28*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	48.81	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-2.93*	
		For >200 To 400, Deduct	*-5.37*	
		For >400, Deduct	*-7.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.28*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	54.53	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-3.23*	
		For >200 To 400, Deduct	*-5.93*	
		For >400, Deduct	*-8.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.94*	
		For Tinted Glass, Add	*4.19*	
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.84*	

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	48.81	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-2.93*	
		For >200 To 400, Deduct	*-5.37*	
		For >400, Deduct	*-7.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.28*	
		For Tinted Glass, Add	*3.67*	
		For Reflective Coated Glass, Add	*7.33*	
		For Low-E Coated Glass, Add	*6.11*	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.36*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	52.20	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-3.16*	
		For >200 To 400, Deduct	*-5.79*	
		For >400, Deduct	*-7.89*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.94*	
		For Tinted Glass, Add	*3.84*	
		For Reflective Coated Glass, Add	*7.68*	
		For Low-E Coated Glass, Add	*6.40*	
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.52*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	55.55	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-3.30*	
		For >200 To 400, Deduct	*-6.05*	
		For >400, Deduct	*-8.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.36*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass Note: Two 5/16" lites with 3/8" air space.	59.49	
		For >50 To 200, Deduct	*-3.43*	
		For >200 To 400, Deduct	*-6.31*	
		For >400, Deduct	*-8.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*4.81*	
		For Reflective Coated Glass, Add	*9.62*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.42*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.42*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.63*	
		For Argon Gas, Add	*4.41*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	52.20	
		For >50 To 200, Deduct	*-3.16*	
		For >200 To 400, Deduct	*-5.79*	
		For >400, Deduct	*-7.89*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.94*	
		For Tinted Glass, Add	*3.84*	
		For Reflective Coated Glass, Add	*7.68*	
		For Low-E Coated Glass, Add	*6.40*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.88*	
		For Argon Gas, Add	*3.52*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	55.55	
		For >50 To 200, Deduct	*-3.30*	
		For >200 To 400, Deduct	*-6.05*	
		For >400, Deduct	*-8.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.36*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*12.07*	
		For Argon Gas, Add	*3.91*	
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	55.55	
		For >50 To 200, Deduct	*-3.30*	
		For >200 To 400, Deduct	*-6.05*	
		For >400, Deduct	*-8.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.36*	
		For Tinted Glass, Add	*4.26*	
		For Reflective Coated Glass, Add	*8.52*	
		For Low-E Coated Glass, Add	*7.10*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.68*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*12.07*	
		For Argon Gas, Add	*3.91*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	58.47	
		For >50 To 200, Deduct	*-3.40*	
		For >200 To 400, Deduct	*-6.25*	
		For >400, Deduct	*-8.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*4.66*	
		For Reflective Coated Glass, Add	*9.32*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.21*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.21*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.20*	
		For Argon Gas, Add	*4.27*	
08 81 23 23-0073		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	114.37	
		For >50 To 200, Deduct	*-5.08*	
		For >200 To 400, Deduct	*-9.60*	
		For >400, Deduct	*-13.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.56*	
		For Tinted Glass, Add	*13.04*	
		For Reflective Coated Glass, Add	*26.09*	
		For Low-E Coated Glass, Add	*21.74*	
		For Argon Gas, Add	*11.96*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	136.91	
		For >50 To 200, Deduct	*-5.99*	
		For >200 To 400, Deduct	*-11.35*	
		For >400, Deduct	*-16.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.49*	
		For Tinted Glass, Add	*15.84*	
		For Reflective Coated Glass, Add	*31.68*	
		For Low-E Coated Glass, Add	*26.40*	
		For Argon Gas, Add	*14.52*	
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	160.12	
		For >50 To 200, Deduct	*-6.96*	
		For >200 To 400, Deduct	*-13.20*	
		For >400, Deduct	*-18.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.93*	
		For Tinted Glass, Add	*18.63*	
		For Reflective Coated Glass, Add	*37.27*	
		For Low-E Coated Glass, Add	*31.06*	
		For Argon Gas, Add	*17.08*	

08 81 23 23-0077 Spandrel Field Installed Glass *(08 81 23 23)*

08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	45.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	40.55	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	

08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)*

Note: Also with aluminum foil vapor barrier.

08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	51.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	45.21	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	

08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	61.14	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	49.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	99.11	9.79
		For >50 To 200, Deduct	*-2.39*	
		For >200 To 400, Deduct	*-3.99*	
		For >400, Deduct	*-6.38*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	138.82	9.79
		For >50 To 200, Deduct	*-3.58*	
		For >200 To 400, Deduct	*-5.97*	
		For >400, Deduct	*-9.56*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	33.39	7.84
		For >50 To 200, Deduct	*-0.53*	
		For >200 To 400, Deduct	*-0.89*	
		For >400, Deduct	*-1.42*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	39.47	9.14
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.07*	
		For >400, Deduct	*-1.72*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	43.27	9.79
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.91*	
08 83 13 00-0010		**Tempered, Clear Mirror Glass** *(08 83 13 00-0001)*		
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	54.68	7.84
		For >50 To 200, Deduct	*-1.17*	
		For >200 To 400, Deduct	*-1.95*	
		For >400, Deduct	*-3.12*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	62.07	9.14
		For >50 To 200, Deduct	*-1.32*	
		For >200 To 400, Deduct	*-2.20*	
		For >400, Deduct	*-3.53*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	68.47	9.79
		For >50 To 200, Deduct	*-1.47*	
		For >200 To 400, Deduct	*-2.46*	
		For >400, Deduct	*-3.93*	
08 83 13 00-0014		**Clear Mirror Glass With Laminated Safety Backing** *(08 83 13 00-0001)*		
08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	45.09	9.79
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.29*	
		For >400, Deduct	*-2.06*	
08 83 13 00-0016		**Laminated Safety Mirror Glass** *(08 83 13 00-0001)*		
		Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	85.22	9.79
		For >50 To 200, Deduct	*-1.98*	
		For >200 To 400, Deduct	*-3.29*	
		For >400, Deduct	*-5.27*	
08 83 13 00-0018		**Accessories For Mirror Glass** *(08 83 13)*		
08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	6.08	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	6.19	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.67	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.75	

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001		**Clear Polycarbonate Glazing (GE Lexan)** *(08 84)*		
		See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.79	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.31*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.87	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.79*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	25.61	
		For >50 To 200, Deduct	*-0.62*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.30*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	35.79	
		For >50 To 200, Deduct	*-1.11*	
		For >200 To 400, Deduct	*-2.21*	
		For >400, Deduct	*-3.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.68*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	44.73	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-3.01*	
		For >400, Deduct	*-4.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0007		**Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)** *(08 84)*		
08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	29.75	
		For >50 To 200, Deduct	*-0.87*	
		For >200 To 400, Deduct	*-1.74*	
		For >400, Deduct	*-2.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.31*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.25	
		For >50 To 200, Deduct	*-1.07*	
		For >200 To 400, Deduct	*-2.15*	
		For >400, Deduct	*-3.22*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.79*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.14	
		For >50 To 200, Deduct	*-1.14*	
		For >200 To 400, Deduct	*-2.28*	
		For >400, Deduct	*-3.43*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.30*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	57.79	
		For >50 To 200, Deduct	*-2.21*	
		For >200 To 400, Deduct	*-4.41*	
		For >400, Deduct	*-6.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.68*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	61.43	
		For >50 To 200, Deduct	*-2.34*	
		For >200 To 400, Deduct	*-4.68*	
		For >400, Deduct	*-7.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.68*	
08 84 00 00-0013		**Clear Acrylic Glazing (Plexiglas)** *(08 84)*		
08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	15.77	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.75*	
		For Colored, Add	*0.80*	
		For Shatterproof, Add	*2.41*	
		For Mirrored, Add	*3.22*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	16.37	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.31*	
		For Colored, Add	*0.81*	
		For Shatterproof, Add	*2.44*	
		For Mirrored, Add	*3.25*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	19.13	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.79*	
		For Colored, Add	*1.27*	
		For Shatterproof, Add	*3.80*	
		For Mirrored, Add	*5.07*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	21.66	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.30*	
		For Colored, Add	*1.67*	
		For Shatterproof, Add	*5.02*	
		For Mirrored, Add	*6.69*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	22.14	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.38*	
		For Colored, Add	*1.75*	
		For Shatterproof, Add	*5.26*	
		For Mirrored, Add	*7.01*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	22.83	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.92*	
		For >400, Deduct	*-1.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.68*	
		For Colored, Add	*1.83*	
		For Shatterproof, Add	*5.49*	
		For Mirrored, Add	*7.32*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	26.78	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.68*	
		For Colored, Add	*2.42*	
		For Shatterproof, Add	*7.26*	
		For Mirrored, Add	*9.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	37.43	
		For >50 To 200, Deduct	*-0.94*	
		For >200 To 400, Deduct	*-1.89*	
		For >400, Deduct	*-2.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.58*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	49.18	
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.90*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.18*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	20.98	2.40
		For Bronze Anodized Aluminum, Add	*2.16*	
		For Stainless Steel, Add	*8.95*	
		For Black Anodized Finish, Add	*3.88*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	25.47	3.00
		For Bronze Anodized Aluminum, Add	*2.74*	
		For Stainless Steel, Add	*11.32*	
		For Black Anodized Finish, Add	*4.93*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	30.24	2.40
		For Bronze Anodized Aluminum, Add	*3.27*	
		For Stainless Steel, Add	*13.52*	
		For Black Anodized Finish, Add	*5.89*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	36.91	3.61
		For Bronze Anodized Aluminum, Add	*3.91*	
		For Stainless Steel, Add	*16.20*	
		For Black Anodized Finish, Add	*7.04*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	36.74	3.00
		For Bronze Anodized Aluminum, Add	*4.16*	
		For Stainless Steel, Add	*17.09*	
		For Black Anodized Finish, Add	*7.49*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	45.14	3.61
		For Bronze Anodized Aluminum, Add	*4.97*	
		For Stainless Steel, Add	*20.47*	
		For Black Anodized Finish, Add	*8.94*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	11.83
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	11.83
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	17.77
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	18.27

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	18.00	
		For >1,000 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.12*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	18.96	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.21*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	22.42	
		For >1,000 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.56*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	20.01	
		For >1,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	20.01	
		For >1,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.32*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	20.01	
		For >1,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.32*	
08 87 23 16-0010		Security And Safety Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	16.95	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0012	SF	0.008" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	17.20	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.04*	
08 87 23 16-0013	SF	0.014" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	19.60	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.28*	
08 87 23 16-0014		Anti-Graffiti Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	16.95	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	17.20	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.04*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001		Leaded Glass (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	390.25	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.80*	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	579.80	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.80*	

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001		Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*		
08 88 53 00-0002		Ballistic Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	158.61	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.74*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	184.94	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.74*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	209.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	*73.09*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	231.69	
		For Glass Removal And Preparing Opening For New Glazing, Add	*73.09*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	263.41	
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.54*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	281.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.54*	
08 88 53 00-0009		Forced Entry Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	57.67	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.32*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	65.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.40*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	74.36	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.64*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	89.69	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.08*	
08 88 53 00-0014		Glass Clad Polycarbonate *(08 88 53)*		
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	230.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*79.36*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	257.82	
		For Glass Removal And Preparing Opening For New Glazing, Add	*91.89*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	327.93	
		For Glass Removal And Preparing Opening For New Glazing, Add	*104.42*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0018		**Ballistic Resistant Acrylic** *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	243.86	
		For Glass Removal And Preparing Opening For New Glazing, Add	*79.36*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	285.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*91.89*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	368.78	
		For Glass Removal And Preparing Opening For New Glazing, Add	*104.42*	
08 88 53 00-0022		**Ballistic Resistant Fiberglass** *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	97.93	
		For Glass Removal And Preparing Opening For New Glazing, Add	*39.68*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	115.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*45.94*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	131.29	
		For Glass Removal And Preparing Opening For New Glazing, Add	*52.21*	
08 88 53 00-0026		**Forced Entry And/or Ballistic Resistant Polycarbonate** *(08 88 53)*		
08 88 53 00-0027		**Forced Entry Resistant Monolithic Polycarbonate** *(08 88 53 00-0026)* Note: (GE-Lexan MR10)		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	136.00	
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.28*	
08 88 53 00-0029		**Forced Entry Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	168.14	
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.31*	
08 88 53 00-0031		**Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: (GE-Lexgard MPC-500)		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	205.82	
		For Glass Removal And Preparing Opening For New Glazing, Add	*83.54*	
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Firegard)		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	225.38	
		For Glass Removal And Preparing Opening For New Glazing, Add	*88.76*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	193.25	
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.31*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	445.38	
		For Glass Removal And Preparing Opening For New Glazing, Add	*173.34*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	450.78	
		For Glass Removal And Preparing Opening For New Glazing, Add	*173.34*	
08 88 53 00-0040		**Ballistic Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	296.54	
		For Glass Removal And Preparing Opening For New Glazing, Add	*116.95*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 13 00-0001		**Motorized Wall Louver Actuator** *(08 91 13)* See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,020.92	126.29
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,078.53	126.29
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,171.67	126.29
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,379.53	126.29
08 91 16		**Operable Wall Louvers** *(08 91)*		
08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	550.91	33.43
		For Flange Frame, Add	*48.41*	
		For Clear Lacquer Finish, Add	*96.81*	
		For Baked Enamel Standard Colors, Add	*145.22*	
		For Anodized Finish, Add	*193.62*	
		For Kynar® Standard Colors Finish, Add	*266.23*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	688.25	40.86
		For Flange Frame, Add	*60.65*	
		For Clear Lacquer Finish, Add	*121.31*	
		For Baked Enamel Standard Colors, Add	*181.96*	
		For Anodized Finish, Add	*242.62*	
		For Kynar® Standard Colors Finish, Add	*333.60*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	813.81	48.29
		For Flange Frame, Add	*71.72*	
		For Clear Lacquer Finish, Add	*143.45*	
		For Baked Enamel Standard Colors, Add	*215.17*	
		For Anodized Finish, Add	*286.90*	
		For Kynar® Standard Colors Finish, Add	*394.48*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	952.34	55.72
		For Flange Frame, Add	*84.09*	
		For Clear Lacquer Finish, Add	*168.18*	
		For Baked Enamel Standard Colors, Add	*252.27*	
		For Anodized Finish, Add	*336.36*	
		For Kynar® Standard Colors Finish, Add	*462.50*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,073.19	63.14
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,265.89	70.57
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,442.10	78.00
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,602.19	89.14
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,710.08	96.57
		For Flange Frame, Add	*151.69*	
		For Clear Lacquer Finish, Add	*303.39*	
		For Baked Enamel Standard Colors, Add	*455.08*	
		For Anodized Finish, Add	*606.77*	
		For Kynar® Standard Colors Finish, Add	*834.31*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,845.06	104.00
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,963.56	111.43
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,115.04	118.86
		For Flange Frame, Add	*187.73*	
		For Clear Lacquer Finish, Add	*375.46*	
		For Baked Enamel Standard Colors, Add	*563.20*	
		For Anodized Finish, Add	*750.93*	
		For Kynar® Standard Colors Finish, Add	*1,032.53*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,260.63	126.29
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,441.91	137.44
		For Flange Frame, Add	*216.70*	
		For Clear Lacquer Finish, Add	*433.41*	
		For Baked Enamel Standard Colors, Add	*650.11*	
		For Anodized Finish, Add	*866.82*	
		For Kynar® Standard Colors Finish, Add	*1,191.87*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,576.09	148.58
		For Flange Frame, Add	*227.89*	
		For Clear Lacquer Finish, Add	*455.79*	
		For Baked Enamel Standard Colors, Add	*683.68*	
		For Anodized Finish, Add	*911.57*	
		For Kynar® Standard Colors Finish, Add	*1,253.41*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	618.76	40.86
		For Flange Frame, Add	*53.71*	
		For Clear Lacquer Finish, Add	*107.41*	
		For Baked Enamel Standard Colors, Add	*161.12*	
		For Anodized Finish, Add	*214.82*	
		For Kynar® Standard Colors Finish, Add	*295.38*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	781.20	52.01
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	916.19	59.44
		For Flange Frame, Add	*79.73*	
		For Clear Lacquer Finish, Add	*159.47*	
		For Baked Enamel Standard Colors, Add	*239.20*	
		For Anodized Finish, Add	*318.93*	
		For Kynar® Standard Colors Finish, Add	*438.53*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,140.24	74.28
		For Flange Frame, Add	*99.17*	
		For Clear Lacquer Finish, Add	*198.33*	
		For Baked Enamel Standard Colors, Add	*297.50*	
		For Anodized Finish, Add	*396.66*	
		For Kynar® Standard Colors Finish, Add	*545.41*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,296.43	81.71
		For Flange Frame, Add	*113.30*	
		For Clear Lacquer Finish, Add	*226.60*	
		For Baked Enamel Standard Colors, Add	*339.90*	
		For Anodized Finish, Add	*453.20*	
		For Kynar® Standard Colors Finish, Add	*623.14*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,452.61	89.14
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,639.41	96.57
		For Flange Frame, Add	*144.63*	
		For Clear Lacquer Finish, Add	*289.25*	
		For Baked Enamel Standard Colors, Add	*433.88*	
		For Anodized Finish, Add	*578.50*	
		For Kynar® Standard Colors Finish, Add	*795.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,818.33	107.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,961.93	118.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*172.42*	
		For Clear Lacquer Finish, Add	*344.84*	
		For Baked Enamel Standard Colors, Add	*517.26*	
		For Anodized Finish, Add	*689.68*	
		For Kynar® Standard Colors Finish, Add	*948.32*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,099.28	126.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*184.67*	
		For Clear Lacquer Finish, Add	*369.34*	
		For Baked Enamel Standard Colors, Add	*554.01*	
		For Anodized Finish, Add	*738.68*	
		For Kynar® Standard Colors Finish, Add	*1,015.69*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,228.38	133.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*196.09*	
		For Clear Lacquer Finish, Add	*392.19*	
		For Baked Enamel Standard Colors, Add	*588.28*	
		For Anodized Finish, Add	*784.38*	
		For Kynar® Standard Colors Finish, Add	*1,078.52*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,395.17	141.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*211.29*	
		For Clear Lacquer Finish, Add	*422.57*	
		For Baked Enamel Standard Colors, Add	*633.86*	
		For Anodized Finish, Add	*845.15*	
		For Kynar® Standard Colors Finish, Add	*1,162.08*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,556.07	148.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*225.89*	
		For Clear Lacquer Finish, Add	*451.78*	
		For Baked Enamel Standard Colors, Add	*677.67*	
		For Anodized Finish, Add	*903.56*	
		For Kynar® Standard Colors Finish, Add	*1,242.40*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,752.65	159.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*243.32*	
		For Clear Lacquer Finish, Add	*486.64*	
		For Baked Enamel Standard Colors, Add	*729.96*	
		For Anodized Finish, Add	*973.28*	
		For Kynar® Standard Colors Finish, Add	*1,338.27*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,902.14	170.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*256.04*	
		For Clear Lacquer Finish, Add	*512.08*	
		For Baked Enamel Standard Colors, Add	*768.12*	
		For Anodized Finish, Add	*1,024.16*	
		For Kynar® Standard Colors Finish, Add	*1,408.23*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	692.51	48.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.59*	
		For Clear Lacquer Finish, Add	*119.19*	
		For Baked Enamel Standard Colors, Add	*178.78*	
		For Anodized Finish, Add	*238.38*	
		For Kynar® Standard Colors Finish, Add	*327.77*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	878.50	59.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.96*	
		For Clear Lacquer Finish, Add	*151.93*	
		For Baked Enamel Standard Colors, Add	*227.89*	
		For Anodized Finish, Add	*303.86*	
		For Kynar® Standard Colors Finish, Add	*417.80*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,088.05	70.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,283.83	85.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.30*	
		For Clear Lacquer Finish, Add	*222.59*	
		For Baked Enamel Standard Colors, Add	*333.89*	
		For Anodized Finish, Add	*445.18*	
		For Kynar® Standard Colors Finish, Add	*612.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,455.33	92.86
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,636.25	100.29
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,859.92	111.43
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,049.81	126.29
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,196.58	133.72
		For Flange Frame, Add	*192.91*	
		For Clear Lacquer Finish, Add	*385.83*	
		For Baked Enamel Standard Colors, Add	*578.74*	
		For Anodized Finish, Add	*771.66*	
		For Kynar® Standard Colors Finish, Add	*1,061.03*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,358.20	148.58
		For Flange Frame, Add	*206.10*	
		For Clear Lacquer Finish, Add	*412.21*	
		For Baked Enamel Standard Colors, Add	*618.31*	
		For Anodized Finish, Add	*824.42*	
		For Kynar® Standard Colors Finish, Add	*1,133.57*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,507.33	156.01
		For Flange Frame, Add	*219.53*	
		For Clear Lacquer Finish, Add	*439.06*	
		For Baked Enamel Standard Colors, Add	*658.59*	
		For Anodized Finish, Add	*878.12*	
		For Kynar® Standard Colors Finish, Add	*1,207.42*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,709.44	163.44
		For Flange Frame, Add	*238.26*	
		For Clear Lacquer Finish, Add	*476.51*	
		For Baked Enamel Standard Colors, Add	*714.77*	
		For Anodized Finish, Add	*953.03*	
		For Kynar® Standard Colors Finish, Add	*1,310.41*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,880.94	170.87
		For Flange Frame, Add	*253.92*	
		For Clear Lacquer Finish, Add	*507.84*	
		For Baked Enamel Standard Colors, Add	*761.76*	
		For Anodized Finish, Add	*1,015.68*	
		For Kynar® Standard Colors Finish, Add	*1,396.57*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,097.54	182.01
		For Flange Frame, Add	*273.35*	
		For Clear Lacquer Finish, Add	*546.71*	
		For Baked Enamel Standard Colors, Add	*820.06*	
		For Anodized Finish, Add	*1,093.41*	
		For Kynar® Standard Colors Finish, Add	*1,503.44*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,257.63	193.15
		For Flange Frame, Add	*287.13*	
		For Clear Lacquer Finish, Add	*574.27*	
		For Baked Enamel Standard Colors, Add	*861.40*	
		For Anodized Finish, Add	*1,148.53*	
		For Kynar® Standard Colors Finish, Add	*1,579.23*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	772.14	55.72
		For Flange Frame, Add	*66.07*	
		For Clear Lacquer Finish, Add	*132.14*	
		For Baked Enamel Standard Colors, Add	*198.21*	
		For Anodized Finish, Add	*264.28*	
		For Kynar® Standard Colors Finish, Add	*363.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,028.35	74.28
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,220.24	85.43
		For Flange Frame, Add	*104.94*	
		For Clear Lacquer Finish, Add	*209.87*	
		For Baked Enamel Standard Colors, Add	*314.81*	
		For Anodized Finish, Add	*419.75*	
		For Kynar® Standard Colors Finish, Add	*577.15*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,429.78	96.57
		For Flange Frame, Add	*123.66*	
		For Clear Lacquer Finish, Add	*247.33*	
		For Baked Enamel Standard Colors, Add	*370.99*	
		For Anodized Finish, Add	*494.65*	
		For Kynar® Standard Colors Finish, Add	*680.15*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,616.58	104.00
		For Flange Frame, Add	*140.86*	
		For Clear Lacquer Finish, Add	*281.72*	
		For Baked Enamel Standard Colors, Add	*422.57*	
		For Anodized Finish, Add	*563.43*	
		For Kynar® Standard Colors Finish, Add	*774.72*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,810.82	115.15
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,042.38	122.58
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,241.33	133.72
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,404.59	141.15
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,585.06	156.01
		For Flange Frame, Add	*227.30*	
		For Clear Lacquer Finish, Add	*454.61*	
		For Baked Enamel Standard Colors, Add	*681.91*	
		For Anodized Finish, Add	*909.22*	
		For Kynar® Standard Colors Finish, Add	*1,250.17*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,756.91	167.15
		For Flange Frame, Add	*242.26*	
		For Clear Lacquer Finish, Add	*484.52*	
		For Baked Enamel Standard Colors, Add	*726.78*	
		For Anodized Finish, Add	*969.04*	
		For Kynar® Standard Colors Finish, Add	*1,332.44*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,971.98	174.58
		For Flange Frame, Add	*262.28*	
		For Clear Lacquer Finish, Add	*524.57*	
		For Baked Enamel Standard Colors, Add	*786.85*	
		For Anodized Finish, Add	*1,049.13*	
		For Kynar® Standard Colors Finish, Add	*1,442.56*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,158.79	182.01
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,386.00	193.15
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,567.29	204.29
		For Flange Frame, Add	*315.87*	
		For Clear Lacquer Finish, Add	*631.74*	
		For Baked Enamel Standard Colors, Add	*947.61*	
		For Anodized Finish, Add	*1,263.48*	
		For Kynar® Standard Colors Finish, Add	*1,737.29*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	845.89	63.14
		For Flange Frame, Add	*71.96*	
		For Clear Lacquer Finish, Add	*143.92*	
		For Baked Enamel Standard Colors, Add	*215.88*	
		For Anodized Finish, Add	*287.84*	
		For Kynar® Standard Colors Finish, Add	*395.78*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,144.50	81.71
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,337.56	92.86
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,567.11	104.00
		For Flange Frame, Add	*135.91*	
		For Clear Lacquer Finish, Add	*271.82*	
		For Baked Enamel Standard Colors, Add	*407.73*	
		For Anodized Finish, Add	*543.64*	
		For Kynar® Standard Colors Finish, Add	*747.51*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,779.28	112.92
		For Flange Frame, Add	*155.34*	
		For Clear Lacquer Finish, Add	*310.69*	
		For Baked Enamel Standard Colors, Add	*466.03*	
		For Anodized Finish, Add	*621.38*	
		For Kynar® Standard Colors Finish, Add	*854.39*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,978.78	122.58
		For Flange Frame, Add	*173.36*	
		For Clear Lacquer Finish, Add	*346.73*	
		For Baked Enamel Standard Colors, Add	*520.09*	
		For Anodized Finish, Add	*693.45*	
		For Kynar® Standard Colors Finish, Add	*953.50*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,237.44	130.01
		For Flange Frame, Add	*197.74*	
		For Clear Lacquer Finish, Add	*395.49*	
		For Baked Enamel Standard Colors, Add	*593.23*	
		For Anodized Finish, Add	*790.97*	
		For Kynar® Standard Colors Finish, Add	*1,087.59*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,461.12	141.15
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,643.58	152.29
		For Flange Frame, Add	*233.90*	
		For Clear Lacquer Finish, Add	*467.80*	
		For Baked Enamel Standard Colors, Add	*701.70*	
		For Anodized Finish, Add	*935.60*	
		For Kynar® Standard Colors Finish, Add	*1,286.44*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,830.75	163.44
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,023.80	174.58
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,258.89	182.01
		For Flange Frame, Add	*289.49*	
		For Clear Lacquer Finish, Add	*578.98*	
		For Baked Enamel Standard Colors, Add	*868.46*	
		For Anodized Finish, Add	*1,157.95*	
		For Kynar® Standard Colors Finish, Add	*1,592.18*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,459.84	189.44
		For Flange Frame, Add	*308.10*	
		For Clear Lacquer Finish, Add	*616.19*	
		For Baked Enamel Standard Colors, Add	*924.29*	
		For Anodized Finish, Add	*1,232.39*	
		For Kynar® Standard Colors Finish, Add	*1,694.53*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,716.50	200.58
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,908.38	211.72
		For Flange Frame, Add	*348.49*	
		For Clear Lacquer Finish, Add	*696.99*	
		For Baked Enamel Standard Colors, Add	*1,045.48*	
		For Anodized Finish, Add	*1,393.97*	
		For Kynar® Standard Colors Finish, Add	*1,916.71*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	967.92	70.57
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,234.73	89.14
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,448.98	100.29
		For Flange Frame, Add	*124.84*	
		For Clear Lacquer Finish, Add	*249.68*	
		For Baked Enamel Standard Colors, Add	*374.52*	
		For Anodized Finish, Add	*499.36*	
		For Kynar® Standard Colors Finish, Add	*686.62*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,694.22	115.15
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,919.90	122.58
		For Flange Frame, Add	*167.48*	
		For Clear Lacquer Finish, Add	*334.95*	
		For Baked Enamel Standard Colors, Add	*502.43*	
		For Anodized Finish, Add	*669.90*	
		For Kynar® Standard Colors Finish, Add	*921.11*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,133.79	130.01
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,414.82	137.44
		For Flange Frame, Add	*214.00*	
		For Clear Lacquer Finish, Add	*427.99*	
		For Baked Enamel Standard Colors, Add	*641.99*	
		For Anodized Finish, Add	*855.98*	
		For Kynar® Standard Colors Finish, Add	*1,176.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,642.04	148.58
		For Flange Frame, Add	*234.49*	
		For Clear Lacquer Finish, Add	*468.98*	
		For Baked Enamel Standard Colors, Add	*703.46*	
		For Anodized Finish, Add	*937.95*	
		For Kynar® Standard Colors Finish, Add	*1,289.68*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,846.87	159.72
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,038.75	170.87
		For Flange Frame, Add	*269.70*	
		For Clear Lacquer Finish, Add	*539.40*	
		For Baked Enamel Standard Colors, Add	*809.11*	
		For Anodized Finish, Add	*1,078.81*	
		For Kynar® Standard Colors Finish, Add	*1,483.36*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,248.30	182.01
		For Flange Frame, Add	*288.43*	
		For Clear Lacquer Finish, Add	*576.86*	
		For Baked Enamel Standard Colors, Add	*865.29*	
		For Anodized Finish, Add	*1,153.72*	
		For Kynar® Standard Colors Finish, Add	*1,586.36*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,501.06	189.44
		For Flange Frame, Add	*312.22*	
		For Clear Lacquer Finish, Add	*624.44*	
		For Baked Enamel Standard Colors, Add	*936.66*	
		For Anodized Finish, Add	*1,248.88*	
		For Kynar® Standard Colors Finish, Add	*1,717.20*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,720.85	196.86
		For Flange Frame, Add	*332.71*	
		For Clear Lacquer Finish, Add	*665.42*	
		For Baked Enamel Standard Colors, Add	*998.14*	
		For Anodized Finish, Add	*1,330.85*	
		For Kynar® Standard Colors Finish, Add	*1,829.92*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,008.13	208.00
		For Flange Frame, Add	*359.21*	
		For Clear Lacquer Finish, Add	*718.42*	
		For Baked Enamel Standard Colors, Add	*1,077.63*	
		For Anodized Finish, Add	*1,436.84*	
		For Kynar® Standard Colors Finish, Add	*1,975.66*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,208.26	219.15
		For Flange Frame, Add	*377.00*	
		For Clear Lacquer Finish, Add	*753.99*	
		For Baked Enamel Standard Colors, Add	*1,130.99*	
		For Anodized Finish, Add	*1,507.98*	
		For Kynar® Standard Colors Finish, Add	*2,073.47*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,047.56	78.00
		For Flange Frame, Add	*89.16*	
		For Clear Lacquer Finish, Add	*178.31*	
		For Baked Enamel Standard Colors, Add	*267.47*	
		For Anodized Finish, Add	*356.62*	
		For Kynar® Standard Colors Finish, Add	*490.35*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,330.85	96.57
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,574.91	111.43
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,825.68	122.58
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,074.91	130.01
		For Flange Frame, Add	*181.49*	
		For Clear Lacquer Finish, Add	*362.98*	
		For Baked Enamel Standard Colors, Add	*544.47*	
		For Anodized Finish, Add	*725.96*	
		For Kynar® Standard Colors Finish, Add	*998.20*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,315.89	137.44
		For Flange Frame, Add	*204.10*	
		For Clear Lacquer Finish, Add	*408.20*	
		For Baked Enamel Standard Colors, Add	*612.31*	
		For Anodized Finish, Add	*816.41*	
		For Kynar® Standard Colors Finish, Add	*1,122.56*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,616.13	148.58
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,864.54	159.72
		For Flange Frame, Add	*254.51*	
		For Clear Lacquer Finish, Add	*509.02*	
		For Baked Enamel Standard Colors, Add	*763.53*	
		For Anodized Finish, Add	*1,018.04*	
		For Kynar® Standard Colors Finish, Add	*1,399.81*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,079.98	170.87
		For Flange Frame, Add	*273.83*	
		For Clear Lacquer Finish, Add	*547.65*	
		For Baked Enamel Standard Colors, Add	*821.48*	
		For Anodized Finish, Add	*1,095.30*	
		For Kynar® Standard Colors Finish, Add	*1,506.04*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,298.94	182.01
		For Flange Frame, Add	*293.49*	
		For Clear Lacquer Finish, Add	*586.99*	
		For Baked Enamel Standard Colors, Add	*880.48*	
		For Anodized Finish, Add	*1,173.97*	
		For Kynar® Standard Colors Finish, Add	*1,614.21*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,513.20	193.15
		For Flange Frame, Add	*312.69*	
		For Clear Lacquer Finish, Add	*625.38*	
		For Baked Enamel Standard Colors, Add	*938.07*	
		For Anodized Finish, Add	*1,250.76*	
		For Kynar® Standard Colors Finish, Add	*1,719.80*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,798.94	200.58
		For Flange Frame, Add	*339.78*	
		For Clear Lacquer Finish, Add	*679.56*	
		For Baked Enamel Standard Colors, Add	*1,019.33*	
		For Anodized Finish, Add	*1,359.11*	
		For Kynar® Standard Colors Finish, Add	*1,868.78*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,036.39	208.00
		For Flange Frame, Add	*362.04*	
		For Clear Lacquer Finish, Add	*724.07*	
		For Baked Enamel Standard Colors, Add	*1,086.11*	
		For Anodized Finish, Add	*1,448.15*	
		For Kynar® Standard Colors Finish, Add	*1,991.20*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,329.20	215.43
		For Flange Frame, Add	*389.83*	
		For Clear Lacquer Finish, Add	*779.66*	
		For Baked Enamel Standard Colors, Add	*1,169.50*	
		For Anodized Finish, Add	*1,559.33*	
		For Kynar® Standard Colors Finish, Add	*2,144.08*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,549.34	226.58
		For Flange Frame, Add	*409.62*	
		For Clear Lacquer Finish, Add	*819.24*	
		For Baked Enamel Standard Colors, Add	*1,228.85*	
		For Anodized Finish, Add	*1,638.47*	
		For Kynar® Standard Colors Finish, Add	*2,252.90*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,215.89	89.14
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,558.05	107.72
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,826.04	126.29
		For Flange Frame, Add	*157.35*	
		For Clear Lacquer Finish, Add	*314.69*	
		For Baked Enamel Standard Colors, Add	*472.04*	
		For Anodized Finish, Add	*629.38*	
		For Kynar® Standard Colors Finish, Add	*865.40*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,096.47	133.72
		For Flange Frame, Add	*182.90*	
		For Clear Lacquer Finish, Add	*365.81*	
		For Baked Enamel Standard Colors, Add	*548.71*	
		For Anodized Finish, Add	*731.61*	
		For Kynar® Standard Colors Finish, Add	*1,005.97*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,390.45	141.15
		For Flange Frame, Add	*210.82*	
		For Clear Lacquer Finish, Add	*421.63*	
		For Baked Enamel Standard Colors, Add	*632.45*	
		For Anodized Finish, Add	*843.26*	
		For Kynar® Standard Colors Finish, Add	*1,159.48*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,653.82	148.58
		For Flange Frame, Add	*235.67*	
		For Clear Lacquer Finish, Add	*471.33*	
		For Baked Enamel Standard Colors, Add	*707.00*	
		For Anodized Finish, Add	*942.66*	
		For Kynar® Standard Colors Finish, Add	*1,296.16*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,002.33	159.72
		For Flange Frame, Add	*268.29*	
		For Clear Lacquer Finish, Add	*536.58*	
		For Baked Enamel Standard Colors, Add	*804.87*	
		For Anodized Finish, Add	*1,073.16*	
		For Kynar® Standard Colors Finish, Add	*1,475.59*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,341.43	170.87
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,595.73	182.01
		For Flange Frame, Add	*323.17*	
		For Clear Lacquer Finish, Add	*646.34*	
		For Baked Enamel Standard Colors, Add	*969.52*	
		For Anodized Finish, Add	*1,292.69*	
		For Kynar® Standard Colors Finish, Add	*1,777.45*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,846.50	193.15
		For Flange Frame, Add	*346.02*	
		For Clear Lacquer Finish, Add	*692.04*	
		For Baked Enamel Standard Colors, Add	*1,038.06*	
		For Anodized Finish, Add	*1,384.08*	
		For Kynar® Standard Colors Finish, Add	*1,903.11*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,087.49	200.58
		For Flange Frame, Add	*368.63*	
		For Clear Lacquer Finish, Add	*737.27*	
		For Baked Enamel Standard Colors, Add	*1,105.90*	
		For Anodized Finish, Add	*1,474.53*	
		For Kynar® Standard Colors Finish, Add	*2,027.48*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,406.20	208.00
		For Flange Frame, Add	*399.02*	
		For Clear Lacquer Finish, Add	*798.04*	
		For Baked Enamel Standard Colors, Add	*1,197.05*	
		For Anodized Finish, Add	*1,596.07*	
		For Kynar® Standard Colors Finish, Add	*2,194.60*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,671.92	215.43
		For Flange Frame, Add	*424.10*	
		For Clear Lacquer Finish, Add	*848.21*	
		For Baked Enamel Standard Colors, Add	*1,272.31*	
		For Anodized Finish, Add	*1,696.42*	
		For Kynar® Standard Colors Finish, Add	*2,332.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,014.18	222.86
		For Flange Frame, Add	*456.85*	
		For Clear Lacquer Finish, Add	*913.69*	
		For Baked Enamel Standard Colors, Add	*1,370.54*	
		For Anodized Finish, Add	*1,827.38*	
		For Kynar® Standard Colors Finish, Add	*2,512.65*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,270.84	234.01
		For Flange Frame, Add	*480.28*	
		For Clear Lacquer Finish, Add	*960.56*	
		For Baked Enamel Standard Colors, Add	*1,440.85*	
		For Anodized Finish, Add	*1,921.13*	
		For Kynar® Standard Colors Finish, Add	*2,641.55*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,290.80	96.57
		For Flange Frame, Add	*109.77*	
		For Clear Lacquer Finish, Add	*219.53*	
		For Baked Enamel Standard Colors, Add	*329.30*	
		For Anodized Finish, Add	*439.06*	
		For Kynar® Standard Colors Finish, Add	*603.71*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,661.61	118.86
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,935.12	133.72
		For Flange Frame, Add	*166.77*	
		For Clear Lacquer Finish, Add	*333.54*	
		For Baked Enamel Standard Colors, Add	*500.30*	
		For Anodized Finish, Add	*667.07*	
		For Kynar® Standard Colors Finish, Add	*917.22*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,232.64	141.15
		For Flange Frame, Add	*195.03*	
		For Clear Lacquer Finish, Add	*390.07*	
		For Baked Enamel Standard Colors, Add	*585.10*	
		For Anodized Finish, Add	*780.14*	
		For Kynar® Standard Colors Finish, Add	*1,072.69*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,544.65	152.29
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,823.32	159.72
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,196.57	170.87
		For Flange Frame, Add	*285.48*	
		For Clear Lacquer Finish, Add	*570.97*	
		For Baked Enamel Standard Colors, Add	*856.45*	
		For Anodized Finish, Add	*1,141.94*	
		For Kynar® Standard Colors Finish, Add	*1,570.16*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,545.09	182.01
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,817.06	193.15
		For Flange Frame, Add	*343.08*	
		For Clear Lacquer Finish, Add	*686.15*	
		For Baked Enamel Standard Colors, Add	*1,029.23*	
		For Anodized Finish, Add	*1,372.30*	
		For Kynar® Standard Colors Finish, Add	*1,886.92*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,084.32	204.29
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,340.61	211.72
		For Flange Frame, Add	*391.72*	
		For Clear Lacquer Finish, Add	*783.43*	
		For Baked Enamel Standard Colors, Add	*1,175.15*	
		For Anodized Finish, Add	*1,566.86*	
		For Kynar® Standard Colors Finish, Add	*2,154.44*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,686.42	219.15
		For Flange Frame, Add	*424.81*	
		For Clear Lacquer Finish, Add	*849.62*	
		For Baked Enamel Standard Colors, Add	*1,274.43*	
		For Anodized Finish, Add	*1,699.24*	
		For Kynar® Standard Colors Finish, Add	*2,336.46*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,965.08	226.58
		For Flange Frame, Add	*451.19*	
		For Clear Lacquer Finish, Add	*902.38*	
		For Baked Enamel Standard Colors, Add	*1,353.58*	
		For Anodized Finish, Add	*1,804.77*	
		For Kynar® Standard Colors Finish, Add	*2,481.56*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,325.02	234.01
		For Flange Frame, Add	*485.70*	
		For Clear Lacquer Finish, Add	*971.40*	
		For Baked Enamel Standard Colors, Add	*1,457.10*	
		For Anodized Finish, Add	*1,942.80*	
		For Kynar® Standard Colors Finish, Add	*2,671.35*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,589.55	241.44
		For Flange Frame, Add	*510.67*	
		For Clear Lacquer Finish, Add	*1,021.34*	
		For Baked Enamel Standard Colors, Add	*1,532.00*	
		For Anodized Finish, Add	*2,042.67*	
		For Kynar® Standard Colors Finish, Add	*2,808.67*	
08 91 16 00-0137		**Adjustable Intake Wall Louvers Operators** *(08 91 16)*		
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	328.67	37.15
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	710.45	14.86
08 91 19		**Fixed Louvers** *(08 91)*		
08 91 19 00-0001		**Fixed Intake Wall Louvers** *(08 91 19)*		
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	422.54	33.43
		For Flange Frame, Add	*35.57*	
		For Clear Lacquer Finish, Add	*71.14*	
		For Baked Enamel Standard Colors, Add	*106.70*	
		For Anodized Finish, Add	*142.27*	
		For Kynar® Standard Colors Finish, Add	*195.62*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	502.16	40.86
		For Flange Frame, Add	*42.05*	
		For Clear Lacquer Finish, Add	*84.09*	
		For Baked Enamel Standard Colors, Add	*126.14*	
		For Anodized Finish, Add	*168.18*	
		For Kynar® Standard Colors Finish, Add	*231.25*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	582.98	48.29
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	683.81	55.72
		For Flange Frame, Add	*57.24*	
		For Clear Lacquer Finish, Add	*114.48*	
		For Baked Enamel Standard Colors, Add	*171.71*	
		For Anodized Finish, Add	*228.95*	
		For Kynar® Standard Colors Finish, Add	*314.81*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	769.34	63.14
		For Flange Frame, Add	*64.31*	
		For Clear Lacquer Finish, Add	*128.61*	
		For Baked Enamel Standard Colors, Add	*192.92*	
		For Anodized Finish, Add	*257.22*	
		For Kynar® Standard Colors Finish, Add	*353.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	906.68	70.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	982.78	78.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,099.29	89.14
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*92.10*	
		For Clear Lacquer Finish, Add	*184.20*	
		For Baked Enamel Standard Colors, Add	*276.30*	
		For Anodized Finish, Add	*368.40*	
		For Kynar® Standard Colors Finish, Add	*506.54*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,169.50	96.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*97.64*	
		For Clear Lacquer Finish, Add	*195.27*	
		For Baked Enamel Standard Colors, Add	*292.91*	
		For Anodized Finish, Add	*390.54*	
		For Kynar® Standard Colors Finish, Add	*536.99*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,264.43	104.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,347.60	111.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,446.08	118.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,538.67	126.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,622.20	137.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,732.83	148.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	491.56	40.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.99*	
		For Clear Lacquer Finish, Add	*81.97*	
		For Baked Enamel Standard Colors, Add	*122.96*	
		For Anodized Finish, Add	*163.94*	
		For Kynar® Standard Colors Finish, Add	*225.42*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	590.41	52.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	684.18	59.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.53*	
		For Clear Lacquer Finish, Add	*113.06*	
		For Baked Enamel Standard Colors, Add	*169.60*	
		For Anodized Finish, Add	*226.13*	
		For Kynar® Standard Colors Finish, Add	*310.93*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	857.58	74.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*70.90*	
		For Clear Lacquer Finish, Add	*141.80*	
		For Baked Enamel Standard Colors, Add	*212.70*	
		For Anodized Finish, Add	*283.60*	
		For Kynar® Standard Colors Finish, Add	*389.95*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	983.15	81.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,094.58	89.14
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*91.63*	
		For Clear Lacquer Finish, Add	*183.26*	
		For Baked Enamel Standard Colors, Add	*274.88*	
		For Anodized Finish, Add	*366.51*	
		For Kynar® Standard Colors Finish, Add	*503.95*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,174.21	96.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,307.19	107.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*109.18*	
		For Clear Lacquer Finish, Add	*218.35*	
		For Baked Enamel Standard Colors, Add	*327.53*	
		For Anodized Finish, Add	*436.70*	
		For Kynar® Standard Colors Finish, Add	*600.47*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,401.33	118.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*116.36*	
		For Clear Lacquer Finish, Add	*232.72*	
		For Baked Enamel Standard Colors, Add	*349.08*	
		For Anodized Finish, Add	*465.44*	
		For Kynar® Standard Colors Finish, Add	*639.99*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,522.18	126.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,614.77	133.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,717.97	141.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,825.87	148.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*152.87*	
		For Clear Lacquer Finish, Add	*305.74*	
		For Baked Enamel Standard Colors, Add	*458.61*	
		For Anodized Finish, Add	*611.48*	
		For Kynar® Standard Colors Finish, Add	*840.79*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,922.34	159.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,055.34	170.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*171.36*	
		For Clear Lacquer Finish, Add	*342.72*	
		For Baked Enamel Standard Colors, Add	*514.08*	
		For Anodized Finish, Add	*685.44*	
		For Kynar® Standard Colors Finish, Add	*942.49*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	568.84	48.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*47.23*	
		For Clear Lacquer Finish, Add	*94.45*	
		For Baked Enamel Standard Colors, Add	*141.68*	
		For Anodized Finish, Add	*188.91*	
		For Kynar® Standard Colors Finish, Add	*259.75*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	678.29	59.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.94*	
		For Clear Lacquer Finish, Add	*111.89*	
		For Baked Enamel Standard Colors, Add	*167.83*	
		For Anodized Finish, Add	*223.77*	
		For Kynar® Standard Colors Finish, Add	*307.69*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	839.55	70.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*69.84*	
		For Clear Lacquer Finish, Add	*139.68*	
		For Baked Enamel Standard Colors, Add	*209.52*	
		For Anodized Finish, Add	*279.36*	
		For Kynar® Standard Colors Finish, Add	*384.12*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	990.58	85.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,132.63	92.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,264.08	100.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*106.35*	
		For Clear Lacquer Finish, Add	*212.70*	
		For Baked Enamel Standard Colors, Add	*319.05*	
		For Anodized Finish, Add	*425.40*	
		For Kynar® Standard Colors Finish, Add	*584.93*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,374.69	111.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,522.18	126.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,619.49	133.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,779.93	148.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,880.77	156.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*156.88*	
		For Clear Lacquer Finish, Add	*313.75*	
		For Baked Enamel Standard Colors, Add	*470.63*	
		For Anodized Finish, Add	*627.50*	
		For Kynar® Standard Colors Finish, Add	*862.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,011.04	163.44
		For Flange Frame, Add	*168.42*	
		For Clear Lacquer Finish, Add	*336.83*	
		For Baked Enamel Standard Colors, Add	*505.25*	
		For Anodized Finish, Add	*673.67*	
		For Kynar® Standard Colors Finish, Add	*926.29*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,138.96	170.87
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,237.79	182.01
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,399.06	193.15
		For Flange Frame, Add	*201.28*	
		For Clear Lacquer Finish, Add	*402.55*	
		For Baked Enamel Standard Colors, Add	*603.83*	
		For Anodized Finish, Add	*805.10*	
		For Kynar® Standard Colors Finish, Add	*1,107.02*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	637.88	55.72
		For Flange Frame, Add	*52.65*	
		For Clear Lacquer Finish, Add	*105.29*	
		For Baked Enamel Standard Colors, Add	*157.94*	
		For Anodized Finish, Add	*210.58*	
		For Kynar® Standard Colors Finish, Add	*289.55*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	825.78	74.28
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	963.49	85.43
		For Flange Frame, Add	*79.26*	
		For Clear Lacquer Finish, Add	*158.52*	
		For Baked Enamel Standard Colors, Add	*237.79*	
		For Anodized Finish, Add	*317.05*	
		For Kynar® Standard Colors Finish, Add	*435.94*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,123.56	96.57
		For Flange Frame, Add	*93.04*	
		For Clear Lacquer Finish, Add	*186.08*	
		For Baked Enamel Standard Colors, Add	*279.12*	
		For Anodized Finish, Add	*372.16*	
		For Kynar® Standard Colors Finish, Add	*511.73*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,293.88	104.00
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,438.65	115.15
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,546.55	122.58
		For Flange Frame, Add	*130.14*	
		For Clear Lacquer Finish, Add	*260.28*	
		For Baked Enamel Standard Colors, Add	*390.42*	
		For Anodized Finish, Add	*520.56*	
		For Kynar® Standard Colors Finish, Add	*715.77*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,698.39	133.72
		For Flange Frame, Add	*143.10*	
		For Clear Lacquer Finish, Add	*286.19*	
		For Baked Enamel Standard Colors, Add	*429.29*	
		For Anodized Finish, Add	*572.38*	
		For Kynar® Standard Colors Finish, Add	*787.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,819.25	141.15
		For Flange Frame, Add	*153.70*	
		For Clear Lacquer Finish, Add	*307.39*	
		For Baked Enamel Standard Colors, Add	*461.09*	
		For Anodized Finish, Add	*614.78*	
		For Kynar® Standard Colors Finish, Add	*845.32*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,004.43	156.01
		For Flange Frame, Add	*169.24*	
		For Clear Lacquer Finish, Add	*338.48*	
		For Baked Enamel Standard Colors, Add	*507.72*	
		For Anodized Finish, Add	*676.96*	
		For Kynar® Standard Colors Finish, Add	*930.83*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,123.29	167.15
		For Flange Frame, Add	*178.90*	
		For Clear Lacquer Finish, Add	*357.80*	
		For Baked Enamel Standard Colors, Add	*536.70*	
		For Anodized Finish, Add	*715.60*	
		For Kynar® Standard Colors Finish, Add	*983.94*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,261.80	174.58
		For Flange Frame, Add	*191.27*	
		For Clear Lacquer Finish, Add	*382.53*	
		For Baked Enamel Standard Colors, Add	*573.80*	
		For Anodized Finish, Add	*765.06*	
		For Kynar® Standard Colors Finish, Add	*1,051.96*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,399.14	182.01
		For Flange Frame, Add	*203.51*	
		For Clear Lacquer Finish, Add	*407.03*	
		For Baked Enamel Standard Colors, Add	*610.54*	
		For Anodized Finish, Add	*814.05*	
		For Kynar® Standard Colors Finish, Add	*1,119.32*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,515.65	193.15
		For Flange Frame, Add	*212.94*	
		For Clear Lacquer Finish, Add	*425.87*	
		For Baked Enamel Standard Colors, Add	*638.81*	
		For Anodized Finish, Add	*851.74*	
		For Kynar® Standard Colors Finish, Add	*1,171.14*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,698.12	204.29
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	708.09	63.14
		For Flange Frame, Add	*58.18*	
		For Clear Lacquer Finish, Add	*116.36*	
		For Baked Enamel Standard Colors, Add	*174.54*	
		For Anodized Finish, Add	*232.72*	
		For Kynar® Standard Colors Finish, Add	*319.99*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	928.97	81.71
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,073.75	92.86
		For Flange Frame, Add	*88.80*	
		For Clear Lacquer Finish, Add	*177.60*	
		For Baked Enamel Standard Colors, Add	*266.41*	
		For Anodized Finish, Add	*355.21*	
		For Kynar® Standard Colors Finish, Add	*488.41*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,245.59	104.00
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,437.73	112.92
		For Flange Frame, Add	*121.19*	
		For Clear Lacquer Finish, Add	*242.38*	
		For Baked Enamel Standard Colors, Add	*363.57*	
		For Anodized Finish, Add	*484.76*	
		For Kynar® Standard Colors Finish, Add	*666.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,587.77	122.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,716.87	130.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.69*	
		For Clear Lacquer Finish, Add	*291.37*	
		For Baked Enamel Standard Colors, Add	*437.06*	
		For Anodized Finish, Add	*582.74*	
		For Kynar® Standard Colors Finish, Add	*801.27*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,889.92	141.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*160.76*	
		For Clear Lacquer Finish, Add	*321.52*	
		For Baked Enamel Standard Colors, Add	*482.29*	
		For Anodized Finish, Add	*643.05*	
		For Kynar® Standard Colors Finish, Add	*884.19*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,021.73	152.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.71*	
		For Clear Lacquer Finish, Add	*343.43*	
		For Baked Enamel Standard Colors, Add	*515.14*	
		For Anodized Finish, Add	*686.86*	
		For Kynar® Standard Colors Finish, Add	*944.43*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,228.92	163.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.21*	
		For Clear Lacquer Finish, Add	*380.41*	
		For Baked Enamel Standard Colors, Add	*570.62*	
		For Anodized Finish, Add	*760.82*	
		For Kynar® Standard Colors Finish, Add	*1,046.13*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,366.62	174.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.75*	
		For Clear Lacquer Finish, Add	*403.49*	
		For Baked Enamel Standard Colors, Add	*605.24*	
		For Anodized Finish, Add	*806.99*	
		For Kynar® Standard Colors Finish, Add	*1,109.61*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,514.56	182.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.06*	
		For Clear Lacquer Finish, Add	*430.11*	
		For Baked Enamel Standard Colors, Add	*645.17*	
		For Anodized Finish, Add	*860.22*	
		For Kynar® Standard Colors Finish, Add	*1,182.80*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,668.40	189.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,801.39	200.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.02*	
		For Clear Lacquer Finish, Add	*480.05*	
		For Baked Enamel Standard Colors, Add	*720.07*	
		For Anodized Finish, Add	*960.09*	
		For Kynar® Standard Colors Finish, Add	*1,320.13*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,007.41	211.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*258.40*	
		For Clear Lacquer Finish, Add	*516.79*	
		For Baked Enamel Standard Colors, Add	*775.19*	
		For Anodized Finish, Add	*1,033.58*	
		For Kynar® Standard Colors Finish, Add	*1,421.18*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	823.06	70.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.19*	
		For Clear Lacquer Finish, Add	*136.38*	
		For Baked Enamel Standard Colors, Add	*204.57*	
		For Anodized Finish, Add	*272.76*	
		For Kynar® Standard Colors Finish, Add	*375.05*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,009.78	89.14
		Note: Includes bird screen.		
		For Flange Frame, Add	*83.15*	
		For Clear Lacquer Finish, Add	*166.30*	
		For Baked Enamel Standard Colors, Add	*249.44*	
		For Anodized Finish, Add	*332.59*	
		For Kynar® Standard Colors Finish, Add	*457.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,169.86	100.29
		For Flange Frame, Add	*96.93*	
		For Clear Lacquer Finish, Add	*193.86*	
		For Baked Enamel Standard Colors, Add	*290.78*	
		For Anodized Finish, Add	*387.71*	
		For Kynar® Standard Colors Finish, Add	*533.10*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,367.99	115.15
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,576.00	122.58
		For Flange Frame, Add	*133.09*	
		For Clear Lacquer Finish, Add	*266.17*	
		For Baked Enamel Standard Colors, Add	*399.26*	
		For Anodized Finish, Add	*532.34*	
		For Kynar® Standard Colors Finish, Add	*731.97*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,742.78	130.01
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,887.20	137.44
		For Flange Frame, Add	*161.23*	
		For Clear Lacquer Finish, Add	*322.47*	
		For Baked Enamel Standard Colors, Add	*483.70*	
		For Anodized Finish, Add	*644.93*	
		For Kynar® Standard Colors Finish, Add	*886.78*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,060.24	148.58
		For Flange Frame, Add	*176.31*	
		For Clear Lacquer Finish, Add	*352.62*	
		For Baked Enamel Standard Colors, Add	*528.92*	
		For Anodized Finish, Add	*705.23*	
		For Kynar® Standard Colors Finish, Add	*969.69*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,208.54	159.72
		For Flange Frame, Add	*188.91*	
		For Clear Lacquer Finish, Add	*377.82*	
		For Baked Enamel Standard Colors, Add	*566.73*	
		For Anodized Finish, Add	*755.64*	
		For Kynar® Standard Colors Finish, Add	*1,039.01*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,438.11	170.87
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,586.41	182.01
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,753.19	189.44
		For Flange Frame, Add	*237.43*	
		For Clear Lacquer Finish, Add	*474.86*	
		For Baked Enamel Standard Colors, Add	*712.30*	
		For Anodized Finish, Add	*949.73*	
		For Kynar® Standard Colors Finish, Add	*1,305.88*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,921.16	196.86
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,077.71	208.00
		For Flange Frame, Add	*266.17*	
		For Clear Lacquer Finish, Add	*532.34*	
		For Baked Enamel Standard Colors, Add	*798.51*	
		For Anodized Finish, Add	*1,064.68*	
		For Kynar® Standard Colors Finish, Add	*1,463.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,299.04	219.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.07*	
		For Clear Lacquer Finish, Add	*572.15*	
		For Baked Enamel Standard Colors, Add	*858.22*	
		For Anodized Finish, Add	*1,144.29*	
		For Kynar® Standard Colors Finish, Add	*1,573.40*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	900.34	78.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.43*	
		For Clear Lacquer Finish, Add	*148.87*	
		For Baked Enamel Standard Colors, Add	*223.30*	
		For Anodized Finish, Add	*297.73*	
		For Kynar® Standard Colors Finish, Add	*409.38*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,103.54	96.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*91.04*	
		For Clear Lacquer Finish, Add	*182.08*	
		For Baked Enamel Standard Colors, Add	*273.12*	
		For Anodized Finish, Add	*364.16*	
		For Kynar® Standard Colors Finish, Add	*500.71*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,292.25	111.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.94*	
		For Clear Lacquer Finish, Add	*213.88*	
		For Baked Enamel Standard Colors, Add	*320.82*	
		For Anodized Finish, Add	*427.76*	
		For Kynar® Standard Colors Finish, Add	*588.16*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,486.49	122.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.13*	
		For Clear Lacquer Finish, Add	*248.27*	
		For Baked Enamel Standard Colors, Add	*372.40*	
		For Anodized Finish, Add	*496.54*	
		For Kynar® Standard Colors Finish, Add	*682.74*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,723.94	130.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,916.64	137.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,076.73	148.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.96*	
		For Clear Lacquer Finish, Add	*355.91*	
		For Baked Enamel Standard Colors, Add	*533.87*	
		For Anodized Finish, Add	*711.83*	
		For Kynar® Standard Colors Finish, Add	*978.76*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,327.49	159.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,438.11	170.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,682.98	182.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,853.67	193.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*246.74*	
		For Clear Lacquer Finish, Add	*493.47*	
		For Baked Enamel Standard Colors, Add	*740.21*	
		For Anodized Finish, Add	*986.95*	
		For Kynar® Standard Colors Finish, Add	*1,357.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,039.30	200.58
		For Flange Frame, Add	*263.81*	
		For Clear Lacquer Finish, Add	*527.63*	
		For Baked Enamel Standard Colors, Add	*791.44*	
		For Anodized Finish, Add	*1,055.26*	
		For Kynar® Standard Colors Finish, Add	*1,450.98*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,224.93	208.00
		For Flange Frame, Add	*280.89*	
		For Clear Lacquer Finish, Add	*561.78*	
		For Baked Enamel Standard Colors, Add	*842.67*	
		For Anodized Finish, Add	*1,123.56*	
		For Kynar® Standard Colors Finish, Add	*1,544.90*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,379.94	215.43
		For Flange Frame, Add	*294.91*	
		For Clear Lacquer Finish, Add	*589.81*	
		For Baked Enamel Standard Colors, Add	*884.72*	
		For Anodized Finish, Add	*1,179.62*	
		For Kynar® Standard Colors Finish, Add	*1,621.98*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,634.24	226.58
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	998.01	89.14
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,224.75	107.72
		For Flange Frame, Add	*100.93*	
		For Clear Lacquer Finish, Add	*201.86*	
		For Baked Enamel Standard Colors, Add	*302.80*	
		For Anodized Finish, Add	*403.73*	
		For Kynar® Standard Colors Finish, Add	*555.13*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,433.85	126.29
		For Flange Frame, Add	*118.13*	
		For Clear Lacquer Finish, Add	*236.25*	
		For Baked Enamel Standard Colors, Add	*354.38*	
		For Anodized Finish, Add	*472.51*	
		For Kynar® Standard Colors Finish, Add	*649.70*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,640.68	133.72
		For Flange Frame, Add	*137.32*	
		For Clear Lacquer Finish, Add	*274.65*	
		For Baked Enamel Standard Colors, Add	*411.97*	
		For Anodized Finish, Add	*549.30*	
		For Kynar® Standard Colors Finish, Add	*755.28*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,924.07	141.15
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,121.48	148.58
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,308.64	159.72
		For Flange Frame, Add	*198.92*	
		For Clear Lacquer Finish, Add	*397.84*	
		For Baked Enamel Standard Colors, Add	*596.76*	
		For Anodized Finish, Add	*795.68*	
		For Kynar® Standard Colors Finish, Add	*1,094.06*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,581.79	170.87
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,774.84	182.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.08*	
		For Clear Lacquer Finish, Add	*482.17*	
		For Baked Enamel Standard Colors, Add	*723.25*	
		For Anodized Finish, Add	*964.33*	
		For Kynar® Standard Colors Finish, Add	*1,325.96*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,060.95	193.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,245.40	200.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.42*	
		For Clear Lacquer Finish, Add	*568.85*	
		For Baked Enamel Standard Colors, Add	*853.27*	
		For Anodized Finish, Add	*1,137.70*	
		For Kynar® Standard Colors Finish, Add	*1,564.33*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,455.77	208.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.98*	
		For Clear Lacquer Finish, Add	*607.95*	
		For Baked Enamel Standard Colors, Add	*911.93*	
		For Anodized Finish, Add	*1,215.90*	
		For Kynar® Standard Colors Finish, Add	*1,671.86*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,657.89	215.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*322.70*	
		For Clear Lacquer Finish, Add	*645.40*	
		For Baked Enamel Standard Colors, Add	*968.10*	
		For Anodized Finish, Add	*1,290.80*	
		For Kynar® Standard Colors Finish, Add	*1,774.86*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,825.84	222.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*338.01*	
		For Clear Lacquer Finish, Add	*676.02*	
		For Baked Enamel Standard Colors, Add	*1,014.03*	
		For Anodized Finish, Add	*1,352.04*	
		For Kynar® Standard Colors Finish, Add	*1,859.06*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,121.37	234.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,072.92	96.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,323.60	118.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,537.04	133.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,775.67	141.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*149.34*	
		For Clear Lacquer Finish, Add	*298.67*	
		For Baked Enamel Standard Colors, Add	*448.01*	
		For Anodized Finish, Add	*597.35*	
		For Kynar® Standard Colors Finish, Add	*821.35*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,072.38	152.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.78*	
		For Clear Lacquer Finish, Add	*353.56*	
		For Baked Enamel Standard Colors, Add	*530.34*	
		For Anodized Finish, Add	*707.12*	
		For Kynar® Standard Colors Finish, Add	*972.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,293.33	159.72
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,488.75	170.87
		For Flange Frame, Add	*214.70*	
		For Clear Lacquer Finish, Add	*429.40*	
		For Baked Enamel Standard Colors, Add	*644.11*	
		For Anodized Finish, Add	*858.81*	
		For Kynar® Standard Colors Finish, Add	*1,180.86*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,780.73	182.01
		For Flange Frame, Add	*241.67*	
		For Clear Lacquer Finish, Add	*483.34*	
		For Baked Enamel Standard Colors, Add	*725.02*	
		For Anodized Finish, Add	*966.69*	
		For Kynar® Standard Colors Finish, Add	*1,329.20*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,987.93	193.15
		For Flange Frame, Add	*260.16*	
		For Clear Lacquer Finish, Add	*520.33*	
		For Baked Enamel Standard Colors, Add	*780.49*	
		For Anodized Finish, Add	*1,040.65*	
		For Kynar® Standard Colors Finish, Add	*1,430.90*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,297.59	204.29
		For Flange Frame, Add	*288.90*	
		For Clear Lacquer Finish, Add	*577.80*	
		For Baked Enamel Standard Colors, Add	*866.70*	
		For Anodized Finish, Add	*1,155.60*	
		For Kynar® Standard Colors Finish, Add	*1,588.95*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,493.82	211.72
		For Flange Frame, Add	*307.04*	
		For Clear Lacquer Finish, Add	*614.07*	
		For Baked Enamel Standard Colors, Add	*921.11*	
		For Anodized Finish, Add	*1,228.15*	
		For Kynar® Standard Colors Finish, Add	*1,688.70*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,717.14	219.15
		For Flange Frame, Add	*327.88*	
		For Clear Lacquer Finish, Add	*655.77*	
		For Baked Enamel Standard Colors, Add	*983.65*	
		For Anodized Finish, Add	*1,311.53*	
		For Kynar® Standard Colors Finish, Add	*1,803.36*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,935.74	226.58
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,121.37	234.01
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,429.48	241.44
		For Flange Frame, Add	*394.66*	
		For Clear Lacquer Finish, Add	*789.32*	
		For Baked Enamel Standard Colors, Add	*1,183.98*	
		For Anodized Finish, Add	*1,578.64*	
		For Kynar® Standard Colors Finish, Add	*2,170.64*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,234.99	104.00
		For Flange Frame, Add	*102.70*	
		For Clear Lacquer Finish, Add	*205.40*	
		For Baked Enamel Standard Colors, Add	*308.10*	
		For Anodized Finish, Add	*410.80*	
		For Kynar® Standard Colors Finish, Add	*564.84*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,526.89	126.29
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,779.93	148.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,039.76	156.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*172.77*	
		For Clear Lacquer Finish, Add	*345.55*	
		For Baked Enamel Standard Colors, Add	*518.32*	
		For Anodized Finish, Add	*691.10*	
		For Kynar® Standard Colors Finish, Add	*950.26*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,384.38	163.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.75*	
		For Clear Lacquer Finish, Add	*411.50*	
		For Baked Enamel Standard Colors, Add	*617.25*	
		For Anodized Finish, Add	*823.00*	
		For Kynar® Standard Colors Finish, Add	*1,131.63*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,625.37	170.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.36*	
		For Clear Lacquer Finish, Add	*456.73*	
		For Baked Enamel Standard Colors, Add	*685.09*	
		For Anodized Finish, Add	*913.46*	
		For Kynar® Standard Colors Finish, Add	*1,256.00*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,858.46	182.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.45*	
		For Clear Lacquer Finish, Add	*498.89*	
		For Baked Enamel Standard Colors, Add	*748.34*	
		For Anodized Finish, Add	*997.78*	
		For Kynar® Standard Colors Finish, Add	*1,371.95*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,131.61	193.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.53*	
		For Clear Lacquer Finish, Add	*549.06*	
		For Baked Enamel Standard Colors, Add	*823.59*	
		For Anodized Finish, Add	*1,098.12*	
		For Kynar® Standard Colors Finish, Add	*1,509.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,363.54	204.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*295.50*	
		For Clear Lacquer Finish, Add	*590.99*	
		For Baked Enamel Standard Colors, Add	*886.49*	
		For Anodized Finish, Add	*1,181.98*	
		For Kynar® Standard Colors Finish, Add	*1,625.22*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,719.49	219.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*328.12*	
		For Clear Lacquer Finish, Add	*656.24*	
		For Baked Enamel Standard Colors, Add	*984.35*	
		For Anodized Finish, Add	*1,312.47*	
		For Kynar® Standard Colors Finish, Add	*1,804.65*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,943.17	230.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,179.44	237.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.40*	
		For Clear Lacquer Finish, Add	*740.80*	
		For Baked Enamel Standard Colors, Add	*1,111.20*	
		For Anodized Finish, Add	*1,481.60*	
		For Kynar® Standard Colors Finish, Add	*2,037.19*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,420.42	245.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*393.01*	
		For Clear Lacquer Finish, Add	*786.02*	
		For Baked Enamel Standard Colors, Add	*1,179.04*	
		For Anodized Finish, Add	*1,572.05*	
		For Kynar® Standard Colors Finish, Add	*2,161.57*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,629.61	252.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*412.45*	
		For Clear Lacquer Finish, Add	*824.89*	
		For Baked Enamel Standard Colors, Add	*1,237.34*	
		For Anodized Finish, Add	*1,649.78*	
		For Kynar® Standard Colors Finish, Add	*2,268.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,973.05	260.01
		For Flange Frame, Add	*445.30*	
		For Clear Lacquer Finish, Add	*890.61*	
		For Baked Enamel Standard Colors, Add	*1,335.91*	
		For Anodized Finish, Add	*1,781.21*	
		For Kynar® Standard Colors Finish, Add	*2,449.17*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,304.03	111.43
		For Flange Frame, Add	*108.12*	
		For Clear Lacquer Finish, Add	*216.23*	
		For Baked Enamel Standard Colors, Add	*324.35*	
		For Anodized Finish, Add	*432.47*	
		For Kynar® Standard Colors Finish, Add	*594.64*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,610.06	133.72
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,876.06	156.01
		For Flange Frame, Add	*156.40*	
		For Clear Lacquer Finish, Add	*312.81*	
		For Baked Enamel Standard Colors, Add	*469.21*	
		For Anodized Finish, Add	*625.62*	
		For Kynar® Standard Colors Finish, Add	*860.22*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,158.62	167.15
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,527.97	174.58
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,781.91	182.01
		For Flange Frame, Add	*241.79*	
		For Clear Lacquer Finish, Add	*483.58*	
		For Baked Enamel Standard Colors, Add	*725.37*	
		For Anodized Finish, Add	*967.16*	
		For Kynar® Standard Colors Finish, Add	*1,329.85*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,030.33	193.15
		For Flange Frame, Add	*264.40*	
		For Clear Lacquer Finish, Add	*528.81*	
		For Baked Enamel Standard Colors, Add	*793.21*	
		For Anodized Finish, Add	*1,057.61*	
		For Kynar® Standard Colors Finish, Add	*1,454.22*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,311.36	200.58
		For Flange Frame, Add	*291.02*	
		For Clear Lacquer Finish, Add	*582.04*	
		For Baked Enamel Standard Colors, Add	*873.06*	
		For Anodized Finish, Add	*1,164.08*	
		For Kynar® Standard Colors Finish, Add	*1,600.61*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,553.88	211.72
		For Flange Frame, Add	*313.04*	
		For Clear Lacquer Finish, Add	*626.09*	
		For Baked Enamel Standard Colors, Add	*939.13*	
		For Anodized Finish, Add	*1,252.17*	
		For Kynar® Standard Colors Finish, Add	*1,721.74*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,943.17	230.29
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,189.22	241.44
		For Flange Frame, Add	*370.64*	
		For Clear Lacquer Finish, Add	*741.27*	
		For Baked Enamel Standard Colors, Add	*1,111.91*	
		For Anodized Finish, Add	*1,482.54*	
		For Kynar® Standard Colors Finish, Add	*2,038.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,432.56	248.87
		For Flange Frame, Add	*393.48*	
		For Clear Lacquer Finish, Add	*786.97*	
		For Baked Enamel Standard Colors, Add	*1,180.45*	
		For Anodized Finish, Add	*1,573.93*	
		For Kynar® Standard Colors Finish, Add	*2,164.16*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,679.43	256.30
		For Flange Frame, Add	*416.68*	
		For Clear Lacquer Finish, Add	*833.37*	
		For Baked Enamel Standard Colors, Add	*1,250.05*	
		For Anodized Finish, Add	*1,666.74*	
		For Kynar® Standard Colors Finish, Add	*2,291.76*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,911.00	263.73
		For Flange Frame, Add	*438.36*	
		For Clear Lacquer Finish, Add	*876.71*	
		For Baked Enamel Standard Colors, Add	*1,315.07*	
		For Anodized Finish, Add	*1,753.42*	
		For Kynar® Standard Colors Finish, Add	*2,410.95*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,276.82	271.16
		For Flange Frame, Add	*473.45*	
		For Clear Lacquer Finish, Add	*946.90*	
		For Baked Enamel Standard Colors, Add	*1,420.35*	
		For Anodized Finish, Add	*1,893.80*	
		For Kynar® Standard Colors Finish, Add	*2,603.98*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,387.19	118.86
		For Flange Frame, Add	*114.95*	
		For Clear Lacquer Finish, Add	*229.89*	
		For Baked Enamel Standard Colors, Add	*344.84*	
		For Anodized Finish, Add	*459.79*	
		For Kynar® Standard Colors Finish, Add	*632.21*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,701.48	141.15
		For Flange Frame, Add	*141.92*	
		For Clear Lacquer Finish, Add	*283.84*	
		For Baked Enamel Standard Colors, Add	*425.75*	
		For Anodized Finish, Add	*567.67*	
		For Kynar® Standard Colors Finish, Add	*780.55*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,973.35	163.44
		For Flange Frame, Add	*164.65*	
		For Clear Lacquer Finish, Add	*329.30*	
		For Baked Enamel Standard Colors, Add	*493.94*	
		For Anodized Finish, Add	*658.59*	
		For Kynar® Standard Colors Finish, Add	*905.56*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,274.75	174.58
		For Flange Frame, Add	*192.56*	
		For Clear Lacquer Finish, Add	*385.12*	
		For Baked Enamel Standard Colors, Add	*577.68*	
		For Anodized Finish, Add	*770.24*	
		For Kynar® Standard Colors Finish, Add	*1,059.08*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,665.31	182.01
		For Flange Frame, Add	*230.13*	
		For Clear Lacquer Finish, Add	*460.26*	
		For Baked Enamel Standard Colors, Add	*690.39*	
		For Anodized Finish, Add	*920.52*	
		For Kynar® Standard Colors Finish, Add	*1,265.72*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,929.85	189.44
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,195.94	200.58
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,493.45	208.00
		For Flange Frame, Add	*307.74*	
		For Clear Lacquer Finish, Add	*615.49*	
		For Baked Enamel Standard Colors, Add	*923.23*	
		For Anodized Finish, Add	*1,230.97*	
		For Kynar® Standard Colors Finish, Add	*1,692.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,753.65	219.15
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,167.66	237.72
		For Flange Frame, Add	*369.22*	
		For Clear Lacquer Finish, Add	*738.44*	
		For Baked Enamel Standard Colors, Add	*1,107.66*	
		For Anodized Finish, Add	*1,476.88*	
		For Kynar® Standard Colors Finish, Add	*2,030.72*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,425.49	248.87
		For Flange Frame, Add	*392.78*	
		For Clear Lacquer Finish, Add	*785.55*	
		For Baked Enamel Standard Colors, Add	*1,178.33*	
		For Anodized Finish, Add	*1,571.10*	
		For Kynar® Standard Colors Finish, Add	*2,160.27*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,695.11	260.01
		For Flange Frame, Add	*417.51*	
		For Clear Lacquer Finish, Add	*835.02*	
		For Baked Enamel Standard Colors, Add	*1,252.53*	
		For Anodized Finish, Add	*1,670.04*	
		For Kynar® Standard Colors Finish, Add	*2,296.30*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,941.98	267.44
		For Flange Frame, Add	*440.71*	
		For Clear Lacquer Finish, Add	*881.42*	
		For Baked Enamel Standard Colors, Add	*1,322.13*	
		For Anodized Finish, Add	*1,762.84*	
		For Kynar® Standard Colors Finish, Add	*2,423.91*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,188.86	274.87
		For Flange Frame, Add	*463.91*	
		For Clear Lacquer Finish, Add	*927.82*	
		For Baked Enamel Standard Colors, Add	*1,391.74*	
		For Anodized Finish, Add	*1,855.65*	
		For Kynar® Standard Colors Finish, Add	*2,551.52*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,578.24	282.30
		For Flange Frame, Add	*501.36*	
		For Clear Lacquer Finish, Add	*1,002.73*	
		For Baked Enamel Standard Colors, Add	*1,504.09*	
		For Anodized Finish, Add	*2,005.46*	
		For Kynar® Standard Colors Finish, Add	*2,757.50*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,455.05	126.29
		For Flange Frame, Add	*120.25*	
		For Clear Lacquer Finish, Add	*240.49*	
		For Baked Enamel Standard Colors, Add	*360.74*	
		For Anodized Finish, Add	*480.99*	
		For Kynar® Standard Colors Finish, Add	*661.36*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,782.29	148.58
		For Flange Frame, Add	*148.51*	
		For Clear Lacquer Finish, Add	*297.03*	
		For Baked Enamel Standard Colors, Add	*445.54*	
		For Anodized Finish, Add	*594.05*	
		For Kynar® Standard Colors Finish, Add	*816.82*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,082.43	170.87
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,393.26	182.01
		For Flange Frame, Add	*202.93*	
		For Clear Lacquer Finish, Add	*405.85*	
		For Baked Enamel Standard Colors, Add	*608.78*	
		For Anodized Finish, Add	*811.70*	
		For Kynar® Standard Colors Finish, Add	*1,116.09*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,808.55	189.44
		For Flange Frame, Add	*242.97*	
		For Clear Lacquer Finish, Add	*485.94*	
		For Baked Enamel Standard Colors, Add	*728.90*	
		For Anodized Finish, Add	*971.87*	
		For Kynar® Standard Colors Finish, Add	*1,336.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,088.40	196.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.47*	
		For Clear Lacquer Finish, Add	*538.93*	
		For Baked Enamel Standard Colors, Add	*808.40*	
		For Anodized Finish, Add	*1,077.87*	
		For Kynar® Standard Colors Finish, Add	*1,482.07*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,360.37	208.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.44*	
		For Clear Lacquer Finish, Add	*588.87*	
		For Baked Enamel Standard Colors, Add	*883.31*	
		For Anodized Finish, Add	*1,177.74*	
		For Kynar® Standard Colors Finish, Add	*1,619.39*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,681.44	215.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*325.06*	
		For Clear Lacquer Finish, Add	*650.11*	
		For Baked Enamel Standard Colors, Add	*975.17*	
		For Anodized Finish, Add	*1,300.22*	
		For Kynar® Standard Colors Finish, Add	*1,787.81*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,954.58	226.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*350.14*	
		For Clear Lacquer Finish, Add	*700.28*	
		For Baked Enamel Standard Colors, Add	*1,050.43*	
		For Anodized Finish, Add	*1,400.57*	
		For Kynar® Standard Colors Finish, Add	*1,925.78*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,393.33	245.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*390.30*	
		For Clear Lacquer Finish, Add	*780.61*	
		For Baked Enamel Standard Colors, Add	*1,170.91*	
		For Anodized Finish, Add	*1,561.21*	
		For Kynar® Standard Colors Finish, Add	*2,146.67*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,660.59	256.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*414.80*	
		For Clear Lacquer Finish, Add	*829.60*	
		For Baked Enamel Standard Colors, Add	*1,244.40*	
		For Anodized Finish, Add	*1,659.20*	
		For Kynar® Standard Colors Finish, Add	*2,281.40*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,953.76	267.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*441.89*	
		For Clear Lacquer Finish, Add	*883.78*	
		For Baked Enamel Standard Colors, Add	*1,325.66*	
		For Anodized Finish, Add	*1,767.55*	
		For Kynar® Standard Colors Finish, Add	*2,430.38*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,266.59	274.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*471.69*	
		For Clear Lacquer Finish, Add	*943.37*	
		For Baked Enamel Standard Colors, Add	*1,415.06*	
		For Anodized Finish, Add	*1,886.74*	
		For Kynar® Standard Colors Finish, Add	*2,594.27*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,548.80	282.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*498.42*	
		For Clear Lacquer Finish, Add	*996.84*	
		For Baked Enamel Standard Colors, Add	*1,495.26*	
		For Anodized Finish, Add	*1,993.68*	
		For Kynar® Standard Colors Finish, Add	*2,741.31*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,967.61	289.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*538.82*	
		For Clear Lacquer Finish, Add	*1,077.63*	
		For Baked Enamel Standard Colors, Add	*1,616.45*	
		For Anodized Finish, Add	*2,155.26*	
		For Kynar® Standard Colors Finish, Add	*2,963.49*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,544.47	137.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,876.41	159.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*155.70*	
		For Clear Lacquer Finish, Add	*311.39*	
		For Baked Enamel Standard Colors, Add	*467.09*	
		For Anodized Finish, Add	*622.79*	
		For Kynar® Standard Colors Finish, Add	*856.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,188.33	182.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,508.59	193.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,952.14	200.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,241.42	208.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*282.54*	
		For Clear Lacquer Finish, Add	*565.08*	
		For Baked Enamel Standard Colors, Add	*847.62*	
		For Anodized Finish, Add	*1,130.16*	
		For Kynar® Standard Colors Finish, Add	*1,553.97*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,517.74	215.43
		Note: Includes bird screen.		
		For Flange Frame, Add	*308.69*	
		For Clear Lacquer Finish, Add	*617.37*	
		For Baked Enamel Standard Colors, Add	*926.06*	
		For Anodized Finish, Add	*1,234.74*	
		For Kynar® Standard Colors Finish, Add	*1,697.77*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,856.47	222.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*341.07*	
		For Clear Lacquer Finish, Add	*682.15*	
		For Baked Enamel Standard Colors, Add	*1,023.22*	
		For Anodized Finish, Add	*1,364.30*	
		For Kynar® Standard Colors Finish, Add	*1,875.91*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,143.75	234.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,607.23	252.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*410.21*	
		For Clear Lacquer Finish, Add	*820.41*	
		For Baked Enamel Standard Colors, Add	*1,230.62*	
		For Anodized Finish, Add	*1,640.83*	
		For Kynar® Standard Colors Finish, Add	*2,256.14*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,886.27	263.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*435.88*	
		For Clear Lacquer Finish, Add	*871.76*	
		For Baked Enamel Standard Colors, Add	*1,307.65*	
		For Anodized Finish, Add	*1,743.53*	
		For Kynar® Standard Colors Finish, Add	*2,397.35*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,205.35	274.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*465.56*	
		For Clear Lacquer Finish, Add	*931.12*	
		For Baked Enamel Standard Colors, Add	*1,396.68*	
		For Anodized Finish, Add	*1,862.24*	
		For Kynar® Standard Colors Finish, Add	*2,560.59*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,537.02	282.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*497.24*	
		For Clear Lacquer Finish, Add	*994.48*	
		For Baked Enamel Standard Colors, Add	*1,491.73*	
		For Anodized Finish, Add	*1,988.97*	
		For Kynar® Standard Colors Finish, Add	*2,734.83*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,819.58	293.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*523.27*	
		For Clear Lacquer Finish, Add	*1,046.54*	
		For Baked Enamel Standard Colors, Add	*1,569.81*	
		For Anodized Finish, Add	*2,093.08*	
		For Kynar® Standard Colors Finish, Add	*2,877.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,263.14	300.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*566.14*	
		For Clear Lacquer Finish, Add	*1,132.28*	
		For Baked Enamel Standard Colors, Add	*1,698.42*	
		For Anodized Finish, Add	*2,264.56*	
		For Kynar® Standard Colors Finish, Add	*3,113.77*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,622.12	148.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.50*	
		For Clear Lacquer Finish, Add	*264.99*	
		For Baked Enamel Standard Colors, Add	*397.49*	
		For Anodized Finish, Add	*529.98*	
		For Kynar® Standard Colors Finish, Add	*728.73*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,965.83	170.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.41*	
		For Clear Lacquer Finish, Add	*324.82*	
		For Baked Enamel Standard Colors, Add	*487.23*	
		For Anodized Finish, Add	*649.64*	
		For Kynar® Standard Colors Finish, Add	*893.26*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,293.06	193.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.68*	
		For Clear Lacquer Finish, Add	*381.35*	
		For Baked Enamel Standard Colors, Add	*572.03*	
		For Anodized Finish, Add	*762.70*	
		For Kynar® Standard Colors Finish, Add	*1,048.72*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,630.99	204.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,088.68	211.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.52*	
		For Clear Lacquer Finish, Add	*533.05*	
		For Baked Enamel Standard Colors, Add	*799.57*	
		For Anodized Finish, Add	*1,066.09*	
		For Kynar® Standard Colors Finish, Add	*1,465.88*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,426.24	219.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*298.79*	
		For Clear Lacquer Finish, Add	*597.59*	
		For Baked Enamel Standard Colors, Add	*896.38*	
		For Anodized Finish, Add	*1,195.17*	
		For Kynar® Standard Colors Finish, Add	*1,643.36*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,720.21	226.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.71*	
		For Clear Lacquer Finish, Add	*653.41*	
		For Baked Enamel Standard Colors, Add	*980.12*	
		For Anodized Finish, Add	*1,306.82*	
		For Kynar® Standard Colors Finish, Add	*1,796.88*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,042.46	234.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*357.44*	
		For Clear Lacquer Finish, Add	*714.89*	
		For Baked Enamel Standard Colors, Add	*1,072.33*	
		For Anodized Finish, Add	*1,429.78*	
		For Kynar® Standard Colors Finish, Add	*1,965.94*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,341.15	241.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*385.83*	
		For Clear Lacquer Finish, Add	*771.66*	
		For Baked Enamel Standard Colors, Add	*1,157.48*	
		For Anodized Finish, Add	*1,543.31*	
		For Kynar® Standard Colors Finish, Add	*2,122.05*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,838.79	260.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*431.88*	
		For Clear Lacquer Finish, Add	*863.75*	
		For Baked Enamel Standard Colors, Add	*1,295.63*	
		For Anodized Finish, Add	*1,727.51*	
		For Kynar® Standard Colors Finish, Add	*2,375.32*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,860.00	271.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.77*	
		For Clear Lacquer Finish, Add	*663.54*	
		For Baked Enamel Standard Colors, Add	*995.31*	
		For Anodized Finish, Add	*1,327.08*	
		For Kynar® Standard Colors Finish, Add	*1,824.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,453.40	282.30
		For Flange Frame, Add	*488.88*	
		For Clear Lacquer Finish, Add	*977.76*	
		For Baked Enamel Standard Colors, Add	*1,466.64*	
		For Anodized Finish, Add	*1,955.52*	
		For Kynar® Standard Colors Finish, Add	*2,688.84*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,796.84	289.73
		For Flange Frame, Add	*521.74*	
		For Clear Lacquer Finish, Add	*1,043.48*	
		For Baked Enamel Standard Colors, Add	*1,565.22*	
		For Anodized Finish, Add	*2,086.96*	
		For Kynar® Standard Colors Finish, Add	*2,869.56*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,093.54	300.87
		For Flange Frame, Add	*549.18*	
		For Clear Lacquer Finish, Add	*1,098.36*	
		For Baked Enamel Standard Colors, Add	*1,647.54*	
		For Anodized Finish, Add	*2,196.72*	
		For Kynar® Standard Colors Finish, Add	*3,020.49*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,571.61	312.02
		For Flange Frame, Add	*594.76*	
		For Clear Lacquer Finish, Add	*1,189.52*	
		For Baked Enamel Standard Colors, Add	*1,784.28*	
		For Anodized Finish, Add	*2,379.04*	
		For Kynar® Standard Colors Finish, Add	*3,271.17*	

08 91 19 00-0227 Gable Louver Vents *(08 91 19)*

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	183.80	13.61
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	202.10	15.63
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	232.63	17.65
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	254.31	18.76
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	288.19	19.87
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	324.58	23.83
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	379.18	29.79
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	424.68	34.75
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	488.38	41.72
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	615.75	55.61

08 91 19 00-0240 Square Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	168.35	12.53
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	208.96	15.89
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	260.40	18.75
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	333.68	24.82
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	433.78	35.76
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	551.95	48.63
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	688.56	63.56

08 91 19 00-0248 Round Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	168.35	12.53
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	208.96	15.89
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	260.40	18.75
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	333.68	24.82
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	433.78	35.76
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	552.07	48.66

08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	168.35	12.53
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	183.80	13.61
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	202.10	15.63
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	208.96	15.89
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	232.63	17.65
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	254.31	18.76
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	260.40	18.75
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	288.19	19.87
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	324.58	23.83
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	333.68	24.82
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	379.18	29.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	424.68	34.75
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	433.78	35.76
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	488.38	41.72
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	542.97	47.67
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	552.07	48.66
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	615.75	55.61
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	688.56	63.56
08 91 19 00-0274		Round Top Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	168.35	12.53
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	183.80	13.61
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	202.10	15.63
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	208.96	15.89
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	232.63	17.65
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	254.31	18.76
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	260.40	18.75
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	288.19	19.87
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	324.58	23.83
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	333.68	24.82
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	379.18	29.79
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	424.68	34.75
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	433.78	35.76
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	488.38	41.72
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	542.97	47.67
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	552.07	48.66
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	615.75	55.61
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	688.56	63.56
08 91 19 00-0293		Triangle Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	336.67	15.63
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	382.75	18.75
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	410.53	19.87
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	471.39	23.83
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	523.31	24.82
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	440.35	29.79
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	516.44	34.75
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	580.59	35.76
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	659.66	41.72
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	542.97	47.67
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	619.36	48.66
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	713.62	55.61
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	810.90	63.56
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	912.74	73.03
08 91 19 00-0308		Vinyl Gable Louver Vents *(08 91 19 00-0227)*		
		Note: Includes screen.		
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	79.40	12.53
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	95.18	13.61
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	129.40	17.65
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	175.07	19.87
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	124.67	15.89
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	144.28	18.75
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	202.61	24.82
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	295.85	35.76
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	124.67	15.89
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	140.97	17.65
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	180.41	19.87
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	257.00	29.79
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	599.15	47.67
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	122.23	15.63
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	169.36	19.87
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	177.12	23.83
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	393.91	29.79
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	393.91	29.79
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	393.91	29.79
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	393.91	29.79
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	393.91	29.79
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	447.59	47.67
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	447.59	47.67
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	447.59	47.67
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	447.59	47.67

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 95 13 00-0001		**Aluminum Soffit Vents** *(08 95 13)*		
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	10.04	3.42
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	17.61	6.68
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	30.03	8.91
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	31.33	8.91
08 95 13 00-0006		**Vinyl Soffit Vents** *(08 95 13)*		
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	8.66	3.72
		For Colors, Add	*0.13*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	9.01	3.72
		For Colors, Add	*0.16*	
08 95 16		**Wall Vents** *(08 95)*		
08 95 16 00-0001		**Foundation Vents** *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.57	0.24
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.27	0.24
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.23	0.24
08 95 16 00-0005	SI	Plastic Foundation Vent	0.67	0.24

END OF SECTION 08

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	24.74
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	19.96
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.92
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.78
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	14.13

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.36
		For ASTM C840 Level 1 Finish, Deduct	*-1.14*
		For ASTM C840 Level 2 Finish, Deduct	*-0.57*
		For ASTM C840 Level 3 Finish, Deduct	*-0.23*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.75*

09 01 20 91-0009 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	24.15
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	19.38
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	15.79
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	12.22
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.82
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	7.44

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	22.98
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	20.32
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	18.72
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	17.38
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	16.22
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	14.93

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	43.44
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	31.50
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	23.15
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	18.38

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	9.38
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	11.71
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	59.41

09 01 50 Maintenance of Ceilings *(09 01)*

09 01 50 91 Ceiling Restoration *(09 01 50)*

09 01 50 91-0001 Repair Ceiling Suspension System *(09 01 50 91)*
See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	377.72	
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.80	
09 01 60 91-0004	SF	Repair Existing Terrazzo	25.36	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.90	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	49.37	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	54.59	
		For Additional Coat, Add	*45.76*	
		For Stripping Existing Wax From Floor, Add	*52.12*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	33.63	
		For Additional Coat, Add	*29.71*	
		For Stripping Existing Wax From Floor, Add	*52.12*	
09 01 60 91-0010	MSF	Vacuum Floors	27.33	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	10.62	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	20.93	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	8.61	

09 01 60 91-0015 Floor Sealants *(09 01 60 91)*

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.54	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.67	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.88	
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	37.89	

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	3.06	

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.99	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.22*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.57	
		For Up To 100, Add	*3.14*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.90	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.62	
		For Up To 100, Add	*2.93*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.66	
		For Up To 100, Add	*5.01*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.39*	
		For >30,000, Deduct	*-0.52*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	4.19	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.44*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*5.05*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*8.38*	
		For Up To 100, Add	*7.24*	
		For >100 To 250, Add	*1.91*	
		For >250 To 500, Add	*0.93*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.39*	
		For >15,000 To 30,000, Deduct	*-0.61*	
		For >30,000, Deduct	*-0.80*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.49	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.83	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.54	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.37*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.99	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	1.27	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.19*	
		For >30,000, Deduct	*-0.25*	
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.59	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.32*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.25	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.69	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.32*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.49	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.48*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	4.15	
		For Up To 100, Add	*2.56*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.39*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.79*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.17	
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 30,000, Deduct	*-0.46*	
		For >30,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.92	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 30,000, Deduct	*-0.56*	
		For >30,000, Deduct	*-0.75*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	5.07	
		For Up To 100, Add	*3.07*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.47*	
		For >15,000 To 30,000, Deduct	*-0.73*	
		For >30,000, Deduct	*-0.97*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.35	
		For Up To 100, Add	*3.84*	
		For >100 To 250, Add	*1.79*	
		For >250 To 500, Add	*0.77*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 15,000, Deduct	*-0.59*	
		For >15,000 To 30,000, Deduct	*-0.92*	
		For >30,000, Deduct	*-1.21*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	55.26	
		For Up To 100, Add	*41.16*	
		For >100 To 250, Add	*19.21*	
		For >250 To 500, Add	*8.23*	
		For >5,000 To 10,000, Deduct	*-2.76*	
		For >10,000 To 15,000, Deduct	*-5.51*	
		For >15,000 To 30,000, Deduct	*-8.28*	
		For >30,000, Deduct	*-11.03*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.89	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.28*	
		For >30,000, Deduct	*-0.37*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.82	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.97	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.88	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.14	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.54	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.30*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	1.00	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	1.17	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.23*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.87	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.93	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0051		Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.65	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0054		Prep Work *(09 01 90 52-0001)*		
09 01 90 52-0055	SF	Citrus Strip, Single Applications	1.49	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 52-0056		Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*		
09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.96	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 01 90 61		**Repainting** *(09 01 90)*		
09 01 90 61-0001		Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*		
		Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.92	
09 01 90 91		**Paint Restoration** *(09 01 90)*		
09 01 90 91-0001		Paint Removal, Strip To Bare Wood *(09 01 90 91)*		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	10.07	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	10.74	

09 05 Common Work Results for Finishes *(09)*

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001		Moisture Vapor Reduction System (Koster VAP) *(09 05 61 13)*		
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	17.23	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	13.67	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	9.11	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	7.60	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	6.07	
		Note: Clear		
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.91	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	5.07	

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001		Tile And Stone Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.95	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.59*	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.46	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.80	

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.45	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.65*	
		For 12" On Center, Add	*0.87*	
		For 22 Gauge, Add	*0.87*	
		For 20 Gauge, Add	*1.37*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.89	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.74*	
		For 12" On Center, Add	*0.96*	
		For 22 Gauge, Add	*1.09*	
		For 20 Gauge, Add	*1.66*	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.80	3.35
		For Columns And Beams >10' High, Add	*1.34*	
		For 24" On Center, Deduct	*-0.89*	
		For 12" On Center, Add	*1.23*	
		For 22 Gauge, Add	*1.05*	
		For 20 Gauge, Add	*1.73*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.23	3.35
		For Columns And Beams >10' High, Add	*1.34*	
		For 24" On Center, Deduct	*-0.98*	
		For 12" On Center, Add	*1.31*	
		For 22 Gauge, Add	*1.27*	
		For 20 Gauge, Add	*2.01*	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.18	2.68
		For Ceilings >10' High, Add	*0.80*	
		For 24" On Center, Deduct	*-0.90*	
		For 12" On Center, Add	*1.17*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*2.01*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.61	2.68
		For Ceilings >10' High, Add	*0.80*	
		For 24" On Center, Deduct	*-0.99*	
		For 12" On Center, Add	*1.25*	
		For 22 Gauge, Add	*1.53*	
		For 20 Gauge, Add	*2.29*	

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.69	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.50*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.49*	
		For 20 Gauge, Add	*0.87*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.76	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.73*	
		For 22 Gauge, Add	*0.53*	
		For 20 Gauge, Add	*0.92*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.82	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.53*	
		For 12" On Center, Add	*0.75*	
		For 22 Gauge, Add	*0.56*	
		For 20 Gauge, Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.87	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.54*	
		For 12" On Center, Add	*0.76*	
		For 22 Gauge, Add	*0.58*	
		For 20 Gauge, Add	*0.99*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.91	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.76*	
		For 22 Gauge, Add	*0.60*	
		For 20 Gauge, Add	*1.02*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	5.07	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.58*	
		For 12" On Center, Add	*0.80*	
		For 20 Gauge, Add	*1.12*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	6.07	2.68
		For Ceilings >10' High, Add	*0.80*	
		For 24" On Center, Deduct	*-0.68*	
		For 12" On Center, Add	*0.95*	
		For 20 Gauge, Add	*1.27*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.33	2.17
		For Walls >10' High, Add	*0.65*	
		For 24" On Center, Deduct	*-0.63*	
		For 12" On Center, Add	*0.85*	
		For 20 Gauge, Add	*1.29*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	6.33	2.68
		For Ceilings >10' High, Add	*0.80*	
		For 24" On Center, Deduct	*-0.73*	
		For 12" On Center, Add	*1.00*	
		For 20 Gauge, Add	*1.44*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.46	0.92
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.69*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.15*	
		For Soffit, Columns Or Beams >10' High, Add	*2.83*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*0.91*	
		For Curved Wall, Add	*0.68*	
		For 12" On Center, Add	*0.58*	
		For 24" On Center, Deduct	*-0.58*	
		For Up To 100, Add	*1.14*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.72	0.96
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.74*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.28*	
		For Soffit, Columns Or Beams >10' High, Add	*2.99*	
		For Horizontal Installation Up To 10' High, Add	*0.73*	
		For Horizontal Installation >10' High, Add	*0.97*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.22*	
		For >100 To 300, Add	*0.61*	
		For >1,000, Deduct	*-0.32*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.05	1.00
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.81*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.41*	
		For Soffit, Columns Or Beams >10' High, Add	*3.16*	
		For Horizontal Installation Up To 10' High, Add	*0.78*	
		For Horizontal Installation >10' High, Add	*1.03*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
		For Up To 100, Add	*1.31*	
		For >100 To 300, Add	*0.66*	
		For >1,000, Deduct	*-0.36*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.32	1.05
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.86*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.53*	
		For Soffit, Columns Or Beams >10' High, Add	*3.31*	
		For Horizontal Installation Up To 10' High, Add	*0.83*	
		For Horizontal Installation >10' High, Add	*1.09*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
		For Up To 100, Add	*1.39*	
		For >100 To 300, Add	*0.69*	
		For >1,000, Deduct	*-0.39*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.84	1.10
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.97*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.68*	
		For Soffit, Columns Or Beams >10' High, Add	*3.51*	
		For Horizontal Installation Up To 10' High, Add	*0.90*	
		For Horizontal Installation >10' High, Add	*1.17*	
		For Curved Wall, Add	*0.83*	
		For 12" On Center, Add	*0.83*	
		For 24" On Center, Deduct	*-0.83*	
		For Up To 100, Add	*1.52*	
		For >100 To 300, Add	*0.76*	
		For >1,000, Deduct	*-0.45*	

09 22 16 13-0007 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.92	0.93
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.78*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.25*	
		For Soffit, Columns Or Beams >10' High, Add	*2.94*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*0.97*	
		For Curved Wall, Add	*0.70*	
		For 12" On Center, Add	*0.67*	
		For 24" On Center, Deduct	*-0.67*	
		For Up To 100, Add	*1.25*	
		For >100 To 300, Add	*0.62*	
		For >1,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.32	0.98
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.86*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.38*	
		For Soffit, Columns Or Beams >10' High, Add	*3.12*	
		For Horizontal Installation Up To 10' High, Add	*0.80*	
		For Horizontal Installation >10' High, Add	*1.04*	
		For Curved Wall, Add	*0.73*	
		For 12" On Center, Add	*0.74*	
		For 24" On Center, Deduct	*-0.74*	
		For Up To 100, Add	*1.35*	
		For >100 To 300, Add	*0.68*	
		For >1,000, Deduct	*-0.40*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.78	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.96*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.53*	
		For Soffit, Columns Or Beams >10' High, Add	*3.29*	
		For Horizontal Installation Up To 10' High, Add	*0.86*	
		For Horizontal Installation >10' High, Add	*1.12*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*0.83*	
		For 24" On Center, Deduct	*-0.83*	
		For Up To 100, Add	*1.47*	
		For >100 To 300, Add	*0.73*	
		For >1,000, Deduct	*-0.46*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners Assembly	5.10	1.08
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.02*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.65*	
		For Soffit, Columns Or Beams >10' High, Add	*3.46*	
		For Horizontal Installation Up To 10' High, Add	*0.91*	
		For Horizontal Installation >10' High, Add	*1.18*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
		For Up To 100, Add	*1.56*	
		For >100 To 300, Add	*0.78*	
		For >1,000, Deduct	*-0.50*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.14	1.13
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.97*	
		For Soffit, Columns Or Beams >10' High, Add	*3.82*	
		For Horizontal Installation Up To 10' High, Add	*1.14*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Curved Wall, Add	*0.85*	
		For 12" On Center, Add	*1.29*	
		For 24" On Center, Deduct	*-1.29*	
		For Up To 100, Add	*1.99*	
		For >100 To 300, Add	*1.00*	
		For >1,000, Deduct	*-0.79*	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.02	1.00
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.20*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.60*	
		For Soffit, Columns Or Beams >10' High, Add	*3.35*	
		For Horizontal Installation Up To 10' High, Add	*0.98*	
		For Horizontal Installation >10' High, Add	*1.23*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*1.08*	
		For 24" On Center, Deduct	*-1.08*	
		For Up To 100, Add	*1.70*	
		For >100 To 300, Add	*0.85*	
		For >1,000, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.66	1.05
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.33*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.77*	
		For Soffit, Columns Or Beams >10' High, Add	*3.56*	
		For Horizontal Installation Up To 10' High, Add	*1.06*	
		For Horizontal Installation >10' High, Add	*1.32*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*1.20*	
		For 24" On Center, Deduct	*-1.20*	
		For Up To 100, Add	*1.86*	
		For >100 To 300, Add	*0.93*	
		For >1,000, Deduct	*-0.74*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.15	1.10
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.92*	
		For Soffit, Columns Or Beams >10' High, Add	*3.74*	
		For Horizontal Installation Up To 10' High, Add	*1.13*	
		For Horizontal Installation >10' High, Add	*1.40*	
		For Curved Wall, Add	*0.83*	
		For 12" On Center, Add	*1.29*	
		For 24" On Center, Deduct	*-1.29*	
		For Up To 100, Add	*1.98*	
		For >100 To 300, Add	*0.99*	
		For >1,000, Deduct	*-0.80*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	9.38	1.16
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.88*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.26*	
		For Soffit, Columns Or Beams >10' High, Add	*4.13*	
		For Horizontal Installation Up To 10' High, Add	*1.37*	
		For Horizontal Installation >10' High, Add	*1.66*	
		For Curved Wall, Add	*0.87*	
		For 12" On Center, Add	*1.73*	
		For 24" On Center, Deduct	*-1.73*	
		For Up To 100, Add	*2.46*	
		For >100 To 300, Add	*1.23*	
		For >1,000, Deduct	*-1.12*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	10.21	1.22
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.04*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.45*	
		For Soffit, Columns Or Beams >10' High, Add	*4.35*	
		For Horizontal Installation Up To 10' High, Add	*1.48*	
		For Horizontal Installation >10' High, Add	*1.78*	
		For Curved Wall, Add	*0.91*	
		For 12" On Center, Add	*1.89*	
		For 24" On Center, Deduct	*-1.89*	
		For Up To 100, Add	*2.65*	
		For >100 To 300, Add	*1.32*	
		For >1,000, Deduct	*-1.23*	

09 22 16 13-0019 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.40	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.28*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.69*	
		For Soffit, Columns Or Beams >10' High, Add	*3.46*	
		For Horizontal Installation Up To 10' High, Add	*1.02*	
		For Horizontal Installation >10' High, Add	*1.28*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*1.15*	
		For 24" On Center, Deduct	*-1.15*	
		For Up To 100, Add	*1.79*	
		For >100 To 300, Add	*0.90*	
		For >1,000, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.54	1.08
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.51*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.90*	
		For Soffit, Columns Or Beams >10' High, Add	*3.70*	
		For Horizontal Installation Up To 10' High, Add	*1.16*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*1.37*	
		For 24" On Center, Deduct	*-1.37*	
		For Up To 100, Add	*2.04*	
		For >100 To 300, Add	*1.02*	
		For >1,000, Deduct	*-0.86*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.98	1.13
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.60*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.05*	
		For Soffit, Columns Or Beams >10' High, Add	*3.90*	
		For Horizontal Installation Up To 10' High, Add	*1.22*	
		For Horizontal Installation >10' High, Add	*1.50*	
		For Curved Wall, Add	*0.85*	
		For 12" On Center, Add	*1.46*	
		For 24" On Center, Deduct	*-1.46*	
		For Up To 100, Add	*2.16*	
		For >100 To 300, Add	*1.08*	
		For >1,000, Deduct	*-0.92*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	10.12	1.18
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.02*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.38*	
		For Soffit, Columns Or Beams >10' High, Add	*4.27*	
		For Horizontal Installation Up To 10' High, Add	*1.46*	
		For Horizontal Installation >10' High, Add	*1.75*	
		For Curved Wall, Add	*0.89*	
		For 12" On Center, Add	*1.88*	
		For 24" On Center, Deduct	*-1.88*	
		For Up To 100, Add	*2.62*	
		For >100 To 300, Add	*1.31*	
		For >1,000, Deduct	*-1.22*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	11.15	1.25
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.23*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.60*	
		For Soffit, Columns Or Beams >10' High, Add	*4.54*	
		For Horizontal Installation Up To 10' High, Add	*1.58*	
		For Horizontal Installation >10' High, Add	*1.89*	
		For Curved Wall, Add	*0.93*	
		For 12" On Center, Add	*2.07*	
		For 24" On Center, Deduct	*-2.07*	
		For Up To 100, Add	*2.85*	
		For >100 To 300, Add	*1.43*	
		For >1,000, Deduct	*-1.36*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.76
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	2.12
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	2.70
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	3.31
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	3.88
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	4.61
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	2.23
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	2.73
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	3.61
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	4.50
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	5.40
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	6.41
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	2.99
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	3.70
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	5.00
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	6.29
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	7.69
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	9.05
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	3.50
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	4.38
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	6.02
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	7.65
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	9.40
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	11.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36		**Lath** *(09 22)*		
09 22 36 13		**Gypsum Lath** *(09 22 36)*		
09 22 36 13-0001		Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.78	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.45	0.69
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	3.12	0.81
		For Walls >10' High, Add	*0.20*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.26	0.85
		For Ceilings >10' High, Add	*0.25*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.00	0.98
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.76	1.13
		For Ceilings >10' High, Add	*0.33*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.74	1.09
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.56	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	4.40	1.45
		For Columns And Beams >10' High, Add	*0.43*	
		For Up To 100, Add	*1.44*	
		For >100 To 500, Add	*0.72*	
		For >5,000, Deduct	*-0.29*	
09 22 36 13-0011		Firestop Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.47	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.88	0.69
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.95	0.85
		For Ceilings >10' High, Add	*0.25*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.43	0.98
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.43	1.09
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.99	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0018		**Foil Back Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.47	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.88	0.69
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.95	0.85
		For Ceilings >10' High, Add	*0.25*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.43	0.98
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.43	1.09
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.99	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		**Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.89	0.84
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.03	0.84
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.16	0.84
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.63	0.90
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.15	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.29	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.42	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.77	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.16	1.34
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.49*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.30	1.34
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.49*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.44	1.34
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.49*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.52	1.68
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.37*	

09 22 36 23-0014 Self-Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.01	0.90
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.15	0.90
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.28	0.90
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.63	0.90
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.90	1.68
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.04	1.68
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.18	1.68
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	6.06	1.92
		For Columns And Beams >10' High, Add	*0.64*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*2.13*	
		For >100 To 500, Add	*1.07*	
		For >5,000, Deduct	*-0.43*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.53	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.73	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.85	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	4.07	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.84	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	4.10	0.96
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.70	0.90
		For Walls >10' High, Add	*0.25*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.96	0.90
		For Walls >10' High, Add	*0.25*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	5.51	1.34
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	5.52	1.34
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	5.87	1.34
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	5.30	1.34
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	5.35	1.34

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	5.76	1.34
		For Vinyl Instead Of Galvanized, Add	*0.29*	
		For Zinc Instead Of Galvanized, Add	*1.92*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	5.76	1.34
		For Vinyl Instead Of Galvanized, Add	*0.29*	
		For Zinc Instead Of Galvanized, Add	*1.92*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	5.76	1.34
		For Vinyl Instead Of Galvanized, Add	*0.29*	
		For Zinc Instead Of Galvanized, Add	*1.92*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	6.41	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	6.46	1.34

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.53	
		For Walls >10' High, Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.20*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Columns Or Beams Up To 10' High, Add	*0.41*	
		For Columns Or Beams >10' High, Add	*0.61*	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.10	
		For Walls >10' High, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.29*	
		For Columns Or Beams Up To 10' High, Add	*0.29*	
		For Columns Or Beams >10' High, Add	*0.44*	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.19*	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	7.64	4.42
		For Walls >10' High, Add	*0.73*	
		For Horizontal Installation Up To 10' High, Add	*1.09*	
		For Horizontal Installation >10' High, Add	*2.18*	
		For Columns Or Beams Up To 10' High, Add	*2.25*	
		For Columns Or Beams >10' High, Add	*3.34*	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*1.82*	
		For >5,000, Deduct	*-1.45*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	7.73	4.17
		For Walls >10' High, Add	*0.68*	
		For Horizontal Installation Up To 10' High, Add	*1.02*	
		For Horizontal Installation >10' High, Add	*2.05*	
		For Columns Or Beams Up To 10' High, Add	*2.12*	
		For Columns Or Beams >10' High, Add	*3.14*	
		For Up To 100, Add	*3.42*	
		For >100 To 500, Add	*1.71*	
		For >5,000, Deduct	*-1.37*	
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.80	4.17
		For Walls >10' High, Add	*0.68*	
		For Horizontal Installation Up To 10' High, Add	*1.02*	
		For Horizontal Installation >10' High, Add	*2.05*	
		For Columns Or Beams Up To 10' High, Add	*2.12*	
		For Columns Or Beams >10' High, Add	*3.14*	
		For Up To 100, Add	*3.42*	
		For >100 To 500, Add	*1.71*	
		For >5,000, Deduct	*-1.37*	

09 23 13 00-0021 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	9.22	5.37
		For Walls >10' High, Add	*0.87*	
		For Horizontal Installation Up To 10' High, Add	*1.30*	
		For Horizontal Installation >10' High, Add	*2.61*	
		For Columns Or Beams Up To 10' High, Add	*2.69*	
		For Columns Or Beams >10' High, Add	*4.00*	
		For Up To 100, Add	*4.35*	
		For >100 To 500, Add	*2.17*	
		For >5,000, Deduct	*-1.74*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	9.13	4.89
		For Walls >10' High, Add	*0.81*	
		For Horizontal Installation Up To 10' High, Add	*1.21*	
		For Horizontal Installation >10' High, Add	*2.42*	
		For Columns Or Beams Up To 10' High, Add	*2.50*	
		For Columns Or Beams >10' High, Add	*3.71*	
		For Up To 100, Add	*4.03*	
		For >100 To 500, Add	*2.02*	
		For >5,000, Deduct	*-1.61*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.66	4.89
		For Walls >10' High, Add	*0.80*	
		For Horizontal Installation Up To 10' High, Add	*1.20*	
		For Horizontal Installation >10' High, Add	*2.41*	
		For Columns Or Beams Up To 10' High, Add	*2.49*	
		For Columns Or Beams >10' High, Add	*3.69*	
		For Up To 100, Add	*4.01*	
		For >100 To 500, Add	*2.01*	
		For >5,000, Deduct	*-1.60*	

09 23 13 00-0025 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0026	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.87	
		For Walls >10' High, Add	*0.07*	
		For Columns Or Beams Up To 10' High, Add	*0.21*	
		For Columns Or Beams >10' High, Add	*0.31*	
		For Ceiling Application Up To 10' High, Add	*0.09*	
		For Ceiling Application >10' High, Add	*0.16*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	5.88	2.98
		For Walls >10' High, Add	*0.48*	
		For Horizontal Installation Up To 10' High, Add	*0.72*	
		For Horizontal Installation >10' High, Add	*1.43*	
		For Columns Or Beams Up To 10' High, Add	*1.48*	
		For Columns Or Beams >10' High, Add	*2.19*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.19*	
		For >5,000, Deduct	*-0.95*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	8.97	4.65
		For Walls >10' High, Add	*0.76*	
		For Horizontal Installation Up To 10' High, Add	*1.14*	
		For Horizontal Installation >10' High, Add	*2.27*	
		For Columns Or Beams Up To 10' High, Add	*2.35*	
		For Columns Or Beams >10' High, Add	*3.48*	
		For Up To 100, Add	*3.79*	
		For >100 To 500, Add	*1.89*	
		For >5,000, Deduct	*-1.51*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	10.13	5.25
		For Walls >10' High, Add	*0.86*	
		For Horizontal Installation Up To 10' High, Add	*1.28*	
		For Horizontal Installation >10' High, Add	*2.57*	
		For Columns Or Beams Up To 10' High, Add	*2.65*	
		For Columns Or Beams >10' High, Add	*3.93*	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*2.14*	
		For >5,000, Deduct	*-1.71*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	11.39	3.70
		For Walls >10' High, Add	*1.01*	
		For Horizontal Installation Up To 10' High, Add	*1.52*	
		For Horizontal Installation >10' High, Add	*3.03*	
		For Columns Or Beams Up To 10' High, Add	*3.13*	
		For Columns Or Beams >10' High, Add	*4.65*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*2.12*	
		For Up To 100, Add	*5.06*	
		For >100 To 500, Add	*2.53*	
		For >5,000, Deduct	*-2.02*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.82	1.79
		For Walls >10' High, Add	*0.37*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*1.11*	
		For Columns Or Beams Up To 10' High, Add	*1.15*	
		For Columns Or Beams >10' High, Add	*1.70*	
		For Up To 100, Add	*1.85*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.74*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	7.50	1.79
		For Walls >10' High, Add	*0.66*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.97*	
		For Columns Or Beams Up To 10' High, Add	*2.04*	
		For Columns Or Beams >10' High, Add	*3.02*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.81*	
		For Up To 100, Add	*3.29*	
		For >100 To 500, Add	*1.64*	
		For >5,000, Deduct	*-1.31*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.93	1.20
		For Walls >10' High, Add	*0.48*	
		For Horizontal Installation Up To 10' High, Add	*0.72*	
		For Horizontal Installation >10' High, Add	*1.43*	
		For Columns Or Beams Up To 10' High, Add	*1.48*	
		For Columns Or Beams >10' High, Add	*2.19*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.80*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.19*	
		For >5,000, Deduct	*-0.95*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.61	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	8.57	

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.71	0.91
		For Up To 50, Add	*3.86*	
		For >50 To 250, Add	*0.72*	
		For >1,000, Deduct	*-0.36*	
		For Installation On Wall, Add	*0.72*	
		For Installation On Ceiling, Add	*1.79*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.45	1.08
		For Up To 50, Add	*4.58*	
		For >50 To 250, Add	*0.86*	
		For >1,000, Deduct	*-0.43*	
		For Installation On Wall, Add	*0.86*	
		For Installation On Ceiling, Add	*2.15*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.63	1.25
		For Up To 50, Add	*5.42*	
		For >50 To 250, Add	*1.00*	
		For >1,000, Deduct	*-0.50*	
		For Installation On Wall, Add	*1.00*	
		For Installation On Ceiling, Add	*2.51*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units (DensShield) *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	4.09	1.00
		For Up To 50, Add	*2.96*	
		For >50 To 250, Add	*0.52*	
		For >1,000, Deduct	*-0.26*	
		For Installation On Wall, Add	*0.52*	
		For Installation On Ceiling, Add	*1.29*	
09 28 16 00-0003	SF	5/8" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	4.97	1.15
		For Up To 50, Add	*3.39*	
		For >50 To 250, Add	*0.57*	
		For >1,000, Deduct	*-0.29*	
		For Installation On Wall, Add	*0.57*	
		For Installation On Ceiling, Add	*1.43*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.67	0.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.39*	
		For Horizontal Installation >10' High, Add	*0.58*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.56*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.14*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.82	0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0005	SF	1/2" Gypsum Board	2.00	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0006	SF	5/8" Gypsum Board	2.35	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.49*	
		For >1,536, Deduct	*-0.18*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.52	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.88*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.19*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.30	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.79*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.59	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.89*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.20*	

09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*

09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.50	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.08*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.34*	

09 29 10 00-0015 Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*

Note: Water-resistant gypsum core.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	2.18	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.73*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.80	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.25*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	4.12	0.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.08*	
		For >128 To 320, Add	*0.61*	
		For >1,536, Deduct	*-0.49*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	4.31	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*1.16*	
		For >128 To 320, Add	*0.65*	
		For >1,536, Deduct	*-0.50*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	4.53	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.25*	
		For >128 To 320, Add	*0.71*	
		For >1,536, Deduct	*-0.51*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.97	0.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.32*	
		For >128 To 320, Add	*0.74*	
		For >1,536, Deduct	*-0.58*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	7.48	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.87*	
		For >128 To 320, Add	*1.03*	
		For >1,536, Deduct	*-0.93*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.52	0.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.80*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.23*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.98	0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.94*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.98	0.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.35	0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.05*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)* Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.51	0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.24*	
		For >128 To 320, Add	*0.70*	
		For >1,536, Deduct	*-0.51*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)* Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	3.06	0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.95*	
		For >128 To 320, Add	*0.56*	
		For >1,536, Deduct	*-0.29*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.52	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.45*	
		For >128 To 320, Add	*0.81*	
		For >1,536, Deduct	*-0.66*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.62	0.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.67*	
		For >128 To 320, Add	*0.92*	
		For >1,536, Deduct	*-0.82*	

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.95	
		For Up To 128, Add	*0.36*	
		For >128 To 320, Add	*0.23*	
		For >5,400, Deduct	*-0.10*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.45*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.23*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.70*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.70*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.26	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.49*	
		For >128 To 320, Add	*0.30*	
		For >5,400, Deduct	*-0.13*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.61*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.30*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.93*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.93*	

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.23	
		For Up To 128, Add	*0.48*	
		For >128 To 320, Add	*0.30*	
		For >5,400, Deduct	*-0.12*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.59*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.30*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.91*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.91*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.65	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.64*	
		For >128 To 320, Add	*0.40*	
		For >5,400, Deduct	*-0.17*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.80*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.23*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*1.23*	

09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.89	
		For ASTM C840 Level 1 Finish, Deduct	*-0.88*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.44*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.39*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.26	
		For ASTM C840 Level 1 Finish, Deduct	*-1.07*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.53*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.22*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.66*	
09 29 10 00-0046		**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.20	
		For ASTM C840 Level 1 Finish, Deduct	*-1.04*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.52*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.62*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.64	
		For ASTM C840 Level 1 Finish, Deduct	*-1.26*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.63*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.25*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.95*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	5.23	1.43
		For Up To 100, Add	*0.38*	
		For >500, Deduct	*-0.26*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	4.99	1.43
		For Up To 100, Add	*0.33*	
		For >500, Deduct	*-0.25*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.77	1.72
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.84	1.72
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.10	1.72
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.24	1.72
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.57	1.72
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.90	1.72
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.23	1.72
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	10.30	1.72
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	11.36	1.72
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.92	1.86
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.92	1.86
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.65	1.86
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.78	1.86
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.25	1.86
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.45	1.86
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.71	1.86
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	10.91	1.86
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	12.11	1.86
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	16.79	2.15
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	18.78	2.15
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	7.04	1.79
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	7.57	1.79
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	8.90	1.98
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	9.33	2.15
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	13.68	1.79
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	14.22	1.79
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	15.55	1.98
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	15.97	2.15
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.57	1.79
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	8.70	1.98
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	10.46	2.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.62	1.15
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.68	1.29
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.83	1.43
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.37	1.57
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.90	1.72
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.10	1.72
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.70	1.72
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.83	1.72
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	12.22	1.72
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.25	1.86
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.38	1.86
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.11	1.86
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.44	1.86
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.71	1.86
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.04	1.86
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.51	1.86
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	12.70	1.86
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.70	1.86
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	16.89	1.86
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	23.01	1.86
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	15.69	1.86
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	16.23	1.86
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	18.02	1.86
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	18.22	1.86
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	20.81	1.86
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	16.96	1.86
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	11.42	2.58
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	13.08	2.86
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	14.87	3.44
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	15.04	3.72
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.96	1.72
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.09	1.72
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.23	1.72
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.23	1.72
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.83	1.72
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.09	1.69
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.36	1.72
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.96	1.72
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.95	1.72
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.02	1.72
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.57	1.86
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.71	1.86
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.97	1.86
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.57	1.86
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.84	1.86
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.04	1.86
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.70	1.86
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.76	1.86
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.83	1.86
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	18.69	1.86
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	24.67	1.86
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	22.02	2.04
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	24.98	2.49
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	25.84	2.49
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	20.07	1.69
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	18.26	2.49
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	13.15	1.69
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0153		**Knee Brace Kit** *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	354.84	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0155		**Wall Bumper Rail** *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	47.55	7.15
09 29 10 00-0157		**Corners For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.10	1.72
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.78	1.86
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	12.00	1.94
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.44	2.04
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	16.27	2.49
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.88	2.79
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	23.01	3.19
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	28.00	3.73
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	38.53	4.97
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	10.10	1.65
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	18.83	2.24
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	13.31	2.24
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	24.68	2.24
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	35.24	2.79
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	33.77	2.79
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	9.81	1.94
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	9.91	1.86
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	10.03	1.72
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	10.51	1.86
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	14.31	2.04
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	12.62	1.72
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	13.30	1.86
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	19.76	2.04
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	21.93	1.72
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	37.37	3.73
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	40.03	3.73
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	74.37	6.22
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	123.96	8.81
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	12.06	1.91
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.84	2.01
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.60	2.45
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	20.48	2.76
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	29.32	3.15
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	31.59	3.68
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	35.61	4.90
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	22.42	3.68
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	22.75	3.68
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	24.87	3.68
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	25.54	3.68

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.81	3.58
		For Horizontal Installation Up To 10' High, Add	*2.43*	
		For Horizontal Installation >10' High, Add	*3.58*	
		For Walls >10' High, Add	*0.57*	
		For Up To 128, Add	*3.19*	
		For >128 To 320, Add	*1.96*	
		For >1,536, Deduct	*-0.61*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	10.29	4.29
		For Horizontal Installation Up To 10' High, Add	*2.92*	
		For Horizontal Installation >10' High, Add	*4.30*	
		For Walls >10' High, Add	*0.69*	
		For Up To 128, Add	*3.78*	
		For >128 To 320, Add	*2.32*	
		For >1,536, Deduct	*-0.68*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.00	2.76
		For Horizontal Installation Up To 10' High, Add	*1.87*	
		For Horizontal Installation >10' High, Add	*2.76*	
		For Walls >10' High, Add	*0.44*	
		For Up To 128, Add	*2.90*	
		For >128 To 320, Add	*1.73*	
		For Glass Mat Surfaces, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.65	2.89
		For Horizontal Installation Up To 10' High, Add	*1.97*	
		For Horizontal Installation >10' High, Add	*2.90*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.09*	
		For >128 To 320, Add	*1.83*	
		For Glass Mat Surfaces, Add	*0.37*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	10.62	2.89
		For Horizontal Installation Up To 10' High, Add	*1.97*	
		For Horizontal Installation >10' High, Add	*2.90*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.28*	
		For >128 To 320, Add	*1.93*	
		For Glass Mat Surfaces, Add	*0.37*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	11.29	3.03
		For Horizontal Installation Up To 10' High, Add	*2.06*	
		For Horizontal Installation >10' High, Add	*3.04*	
		For Walls >10' High, Add	*0.49*	
		For Up To 128, Add	*3.47*	
		For >128 To 320, Add	*2.04*	
		For Glass Mat Surfaces, Add	*0.37*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	18.75	3.64
		For Up To 50, Add	*10.13*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.73*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.56*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.75*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	13.30	3.64
		For Up To 50, Add	*8.76*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.73*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.56*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.75*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	15.11	2.26
		For Up To 50, Add	*10.57*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.02*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	20.29	4.40
		For Up To 50, Add	*11.67*	
		For >50 To 250, Add	*1.76*	
		For >1,000, Deduct	*-0.88*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.98*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	14.84	4.40
		For Up To 50, Add	*10.30*	
		For >50 To 250, Add	*1.76*	
		For >1,000, Deduct	*-0.88*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.98*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	17.17	2.78
		For Up To 50, Add	*12.63*	
		For >50 To 250, Add	*2.22*	
		For >1,000, Deduct	*-1.11*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.14*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	21.29	7.63
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.76*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.95*	
		For Up To 50, Add	*16.75*	
		For >50 To 250, Add	*3.05*	
		For >1,000, Deduct	*-1.52*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	24.34	4.57
		For High-Modulus, High-Strength Epoxy Grout, Add	*3.21*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*3.40*	
		For Up To 50, Add	*19.80*	
		For >50 To 250, Add	*3.66*	
		For >1,000, Deduct	*-1.83*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	14.20	3.17
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.14*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.24*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	22.89	3.17
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.14*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.24*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	25.67	3.17
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.14*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.24*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	19.90	0.69
09 30 13 00-0014		**Residential Ceramic Tiling** *(09 30 13)*		
09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	11.06	3.64
		For Up To 50, Add	*8.20*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.73*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.56*	
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	12.60	4.40
		For Up To 50, Add	*9.74*	
		For >50 To 250, Add	*1.76*	
		For >1,000, Deduct	*-0.88*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	13.36	3.64
		For Up To 50, Add	*8.78*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.73*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.56*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	14.50	2.55
		For Up To 50, Add	*11.25*	
		For >50 To 250, Add	*2.03*	
		For >1,000, Deduct	*-1.02*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.99*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.18*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	28.24	2.55
		For Up To 50, Add	*14.68*	
		For >50 To 250, Add	*2.03*	
		For >1,000, Deduct	*-1.02*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.99*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.18*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	16.53	3.01
		For Up To 50, Add	*13.28*	
		For >50 To 250, Add	*2.44*	
		For >1,000, Deduct	*-1.22*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.30*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.49*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	30.27	3.01
		For Up To 50, Add	*16.71*	
		For >50 To 250, Add	*2.44*	
		For >1,000, Deduct	*-1.22*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.30*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.49*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	20.30	3.36
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.24*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.34*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	42.81	3.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.24*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.34*	

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	13.18	2.26
		For Up To 50, Add	*10.09*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	13.57	2.26
		For Up To 50, Add	*10.19*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	13.77	2.26
		For Up To 50, Add	*10.24*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	13.86	2.26
		For Up To 50, Add	*10.26*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	13.92	2.26
		For Up To 50, Add	*10.28*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	14.01	2.26
		For Up To 50, Add	*10.30*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	14.21	2.26
		For Up To 50, Add	*10.35*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	15.55	2.26
		For Up To 50, Add	*10.68*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	15.70	2.26
		For Up To 50, Add	*10.72*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	15.98	2.26
		For Up To 50, Add	*10.79*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	16.29	2.26
		For Up To 50, Add	*10.87*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	16.51	2.26
		For Up To 50, Add	*10.92*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	17.25	2.26
		For Up To 50, Add	*11.11*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	18.63	2.26
		For Up To 50, Add	*11.45*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	18.72	2.26
		For Up To 50, Add	*11.48*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	19.75	2.26
		For Up To 50, Add	*11.73*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	20.10	2.26
		For Up To 50, Add	*11.82*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	20.25	2.26
		For Up To 50, Add	*11.86*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	20.48	2.26
		For Up To 50, Add	*11.92*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	22.40	2.26
		For Up To 50, Add	*12.40*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	23.49	2.26
		For Up To 50, Add	*12.67*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	23.78	2.26
		For Up To 50, Add	*12.74*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	23.93	2.26
		For Up To 50, Add	*12.78*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0025 Granite Floor Tile *(09 30 33)*

09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	12.15	2.26
		For Up To 50, Add	*9.83*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	12.89	2.26
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	13.48	2.26
		For Up To 50, Add	*10.17*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	15.83	2.26
		For Up To 50, Add	*10.75*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	16.29	2.26
		For Up To 50, Add	*10.87*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	16.72	2.26
		For Up To 50, Add	*10.98*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	17.16	2.26
		For Up To 50, Add	*11.09*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	17.69	2.26
		For Up To 50, Add	*11.22*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	18.19	2.26
		For Up To 50, Add	*11.34*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	18.72	2.26
		For Up To 50, Add	*11.48*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	19.22	2.26
		For Up To 50, Add	*11.60*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	19.81	2.26
		For Up To 50, Add	*11.75*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	20.40	2.26
		For Up To 50, Add	*11.90*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	22.46	2.26
		For Up To 50, Add	*12.41*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0040		Slate Floor Tile *(09 30 33)*		
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	11.27	2.26
		For Up To 50, Add	*9.61*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	11.65	2.26
		For Up To 50, Add	*9.71*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.86	2.26
		For Up To 50, Add	*9.76*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.86	2.26
		For Up To 50, Add	*9.76*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	12.01	2.26
		For Up To 50, Add	*9.80*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	12.45	2.26
		For Up To 50, Add	*9.91*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	12.89	2.26
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	13.04	2.26
		For Up To 50, Add	*10.06*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0049 Travertine Floor Tile *(09 30 33)*

09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	12.89	2.26
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	13.33	2.26
		For Up To 50, Add	*10.13*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	13.62	2.26
		For Up To 50, Add	*10.20*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	14.07	2.26
		For Up To 50, Add	*10.31*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	14.21	2.26
		For Up To 50, Add	*10.35*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	14.36	2.26
		For Up To 50, Add	*10.39*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	15.77	2.26
		For Up To 50, Add	*10.74*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0057 Limestone Floor Tile *(09 30 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	15.69	2.26
		For Up To 50, Add	*10.72*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	16.13	2.26
		For Up To 50, Add	*10.83*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	18.42	2.26
		For Up To 50, Add	*11.40*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	19.81	2.26
		For Up To 50, Add	*11.75*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	19.81	2.26
		For Up To 50, Add	*11.75*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	20.25	2.26
		For Up To 50, Add	*11.86*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	21.87	2.26
		For Up To 50, Add	*12.26*	
		For >50 To 250, Add	*1.81*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	2.07	1.21
		For Up To 50, Add	*1.88*	
		For >50 To 250, Add	*0.36*	
		For >1,000, Deduct	*-0.18*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	1.17	
		For Up To 50, Add	*1.17*	
		For >50 To 250, Add	*0.23*	
		For >1,000, Deduct	*-0.12*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.	5.15	2.41
		For Up To 50, Add	*4.01*	
		For >50 To 250, Add	*0.73*	
		For >1,000, Deduct	*-0.36*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.	7.26	3.23
		For Up To 50, Add	*5.44*	
		For >50 To 250, Add	*0.97*	
		For >1,000, Deduct	*-0.48*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 Lb. felt and expanded metal lath.	16.94	7.25
		For Up To 50, Add	*15.12*	
		For >50 To 250, Add	*2.90*	
		For >1,000, Deduct	*-1.45*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-2.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,525.91	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,763.05	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,603.43	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	185.28	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	176.17	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	374.37	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	749.02	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	923.85	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	674.09	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	749.02	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	798.97	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	322.65	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	322.65	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	497.49	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.67	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.53	

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.99	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	6.59	1.59
		Note: Impact and chemical resistant.		
		For Up To 50, Add	*3.46*	
		For >50 To 250, Add	*0.48*	
		For >1,000, Deduct	*-0.24*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Waterproofing And Crack Prevention *(09 39)*

09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane (RedGard®)	134.91	

09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*

09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	6.24	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.89	

09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.45	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.43	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.74	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.04	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.36	
09 39 00 00-0012		Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*		
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.26	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.75	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	18.29	
09 39 00 00-0016		Tile Substrate (Schluter® KERDI BOARD) *(09 39)*		
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.27	1.00
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.55	1.15
09 39 00 00-0019		Floor Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.49	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.61	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.75	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.98	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.90	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.08	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.21	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.36	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.70	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.36	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.93	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.23	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.52	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.85	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.13	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.42	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.76	
09 39 00 00-0037		Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.10	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.41	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.87	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.34	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.73	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.32	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.91	
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.95	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.90	0.57
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.64*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.83	0.57
		For Up To 50, Add	*2.37*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.63*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	11.53	0.72
		For Up To 50, Add	*2.53*	
		For >50 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.92*	
		For Individual Room Quantities <495, Add	*1.56*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	11.65	0.72
		For Up To 50, Add	*2.55*	
		For >50 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.92*	
		For Individual Room Quantities <495, Add	*1.57*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	11.98	0.72
		For Up To 50, Add	*2.60*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.95*	
		For Individual Room Quantities <495, Add	*1.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	11.96	0.72
		For Up To 50, Add	*2.60*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.95*	
		For Individual Room Quantities <495, Add	*1.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.48	0.72
		For Up To 50, Add	*2.68*	
		For >50 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.99*	
		For Individual Room Quantities <495, Add	*1.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.46	0.72
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.98*	
		For Individual Room Quantities <495, Add	*1.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	

09 51 13 00-0011 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0012 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.65	0.57
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.64*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.62	0.86
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.04	0.86
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.55	0.86
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.56	0.86
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.84	0.86
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.31	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.30	0.86
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.74	0.57
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.06	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.04	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.08	0.57
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.07	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.48	0.57
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.48	0.57
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.64	0.57
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.21	0.57
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.55	0.57
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.23	0.57
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.36	0.57
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.64	0.86
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.58	0.86
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.98	0.86
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.98	0.86
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	8.98	1.00
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.81	0.57
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.80	0.57
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.40	0.57
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.05	0.57
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.00	0.57
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.00	0.57
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.19	0.57
		For Up To 50, Add	*1.37*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.34	0.57
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.55	0.57
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.52	0.57
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.86
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.86
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.73	0.57
		For Up To 50, Add	*1.45*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.85*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.63	0.57
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.84*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.60	0.86
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.56	0.86
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.60	0.86
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.56	0.86
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.10	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.06	0.86
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.05	0.86
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.50	0.57
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.50	0.57
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.54	0.72
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.06*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.54	0.72
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.06*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.54	0.72
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.06*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.54	0.72
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.06*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.80	0.57
		For Up To 50, Add	*1.76*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.81	0.57
		For Up To 50, Add	*1.77*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.80	0.57
		For Up To 50, Add	*1.76*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.71	0.57
		For Up To 50, Add	*1.96*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.61	0.57
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.16*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.66	0.57
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.16	0.57
		For Up To 50, Add	*1.82*	
		For >50 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.09*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.04	0.57
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.79	0.72
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.79	0.72
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.79	0.57
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.79	0.72
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	2.99	0.57
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	3.07	0.57
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.43	0.57
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

09 51 13 00-0088 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0089	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	9.75	0.86
		For Up To 50, Add	*2.49*	
		For >50 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.80*	
		For Individual Room Quantities <495, Add	*1.49*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0090	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	9.48	0.86
		For Up To 50, Add	*2.34*	
		For >50 To 200, Add	*1.41*	
		For >200 To 500, Add	*0.59*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.77*	
		For Individual Room Quantities <495, Add	*1.41*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	12.95	0.86
		For Up To 50, Add	*2.97*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.78*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.04*	
		For Individual Room Quantities <495, Add	*1.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	12.68	0.86
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.75*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.01*	
		For Individual Room Quantities <495, Add	*1.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0093	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	16.05	0.86
		For Up To 50, Add	*3.43*	
		For >50 To 200, Add	*2.12*	
		For >200 To 500, Add	*0.93*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.27*	
		For Individual Room Quantities <495, Add	*2.12*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0094	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	15.78	0.86
		For Up To 50, Add	*3.28*	
		For >50 To 200, Add	*2.04*	
		For >200 To 500, Add	*0.90*	
		For >2,500 To 4,000, Deduct	*-0.39*	
		For >4,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.24*	
		For Individual Room Quantities <495, Add	*2.04*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0095	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	11.63	0.86
		For Up To 50, Add	*2.77*	
		For >50 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.71*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.94*	
		For Individual Room Quantities <495, Add	*1.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0096	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	11.36	0.86
		For Up To 50, Add	*2.62*	
		For >50 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.91*	
		For Individual Room Quantities <495, Add	*1.59*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	

09 51 13 00-0097 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0098	SF	Removal And Reinstallation Of Acoustical Panels Only	2.93	
		For Up To 50, Add	*1.61*	
		For >50 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.29*	
		For Ceilings >10' High, Add	*0.22*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	7.54	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.56*	
		For >2,500, Deduct	*-0.38*	
		For Ceilings >10' High, Add	*0.27*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	8.26	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.59*	
		For >2,500, Deduct	*-0.41*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.27*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	9.28	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.64*	
		For >2,500, Deduct	*-0.46*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.27*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.45	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.40*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.50*	
		For >2,500, Deduct	*-0.32*	
		For Ceilings >10' High, Add	*0.27*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0001		**Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels** *(09 51 33 13)*		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.89	1.25
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	26.63	1.25
09 51 33 13-0004		**Aluminum, Acoustical Snap-In Metal Ceiling Panels** *(09 51 33 13)*		
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.60	1.43
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.47	1.43
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	61.45	1.43
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.91	1.43
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.63	1.43
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.66	1.43
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	60.99	1.43
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.68	1.43
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.26	1.43
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.19	1.43
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	67.77	1.43
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.85	1.43
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.76	1.43
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.99	1.43
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	70.07	1.43
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.65	1.43
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.85	1.43
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.33	1.43
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.28	1.43
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.04	1.43
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.57	1.43
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.79	1.43
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.69	1.43
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.08	1.43
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.12	1.43
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.77	1.43
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.64	1.43
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.39	1.43
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.27	1.43
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.54	1.43
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.75	1.43
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.39	1.43
09 51 33 23		**Acoustical Lay-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 23-0001		Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*		
09 51 33 23-0002		Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.38	1.08
		For Up To 50, Add	*3.77*	
		For >50 To 200, Add	*2.37*	
		For >200 To 500, Add	*1.08*	
		For >2,500 To 4,000, Deduct	*-0.48*	
		For >4,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.51*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.97	1.08
		For Up To 50, Add	*4.16*	
		For >50 To 200, Add	*2.63*	
		For >200 To 500, Add	*1.21*	
		For >2,500 To 4,000, Deduct	*-0.55*	
		For >4,000 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.70*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.31	1.08
		For Up To 50, Add	*5.71*	
		For >50 To 200, Add	*3.66*	
		For >200 To 500, Add	*1.72*	
		For >2,500 To 4,000, Deduct	*-0.81*	
		For >4,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.48*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.42	1.08
		For Up To 50, Add	*4.97*	
		For >50 To 200, Add	*3.17*	
		For >200 To 500, Add	*1.48*	
		For >2,500 To 4,000, Deduct	*-0.69*	
		For >4,000 To 5,000, Deduct	*-1.37*	
		For >5,000, Deduct	*-2.11*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.44	1.08
		For Up To 50, Add	*5.28*	
		For >50 To 200, Add	*3.37*	
		For >200 To 500, Add	*1.58*	
		For >2,500 To 4,000, Deduct	*-0.74*	
		For >4,000 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.26*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	46.38	1.08
		For Up To 50, Add	*7.82*	
		For >50 To 200, Add	*5.07*	
		For >200 To 500, Add	*2.43*	
		For >2,500 To 4,000, Deduct	*-1.16*	
		For >4,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-3.53*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.99	1.08
		For Up To 50, Add	*5.21*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-2.23*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.97	1.08
		For Up To 50, Add	*6.26*	
		For >50 To 200, Add	*4.03*	
		For >200 To 500, Add	*1.91*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.75*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.15	1.08
		For Up To 50, Add	*5.23*	
		For >50 To 200, Add	*3.35*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.24*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.18	1.08
		For Up To 50, Add	*6.29*	
		For >50 To 200, Add	*4.05*	
		For >200 To 500, Add	*1.92*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.81*	
		For >5,000, Deduct	*-2.77*	
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.29	1.08
		For Up To 50, Add	*5.25*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.04	1.08
		For Up To 50, Add	*6.27*	
		For >50 To 200, Add	*4.03*	
		For >200 To 500, Add	*1.91*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.76*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.29	1.08
		For Up To 50, Add	*5.25*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.33	1.08
		For Up To 50, Add	*6.31*	
		For >50 To 200, Add	*4.06*	
		For >200 To 500, Add	*1.92*	
		For >2,500 To 4,000, Deduct	*-0.91*	
		For >4,000 To 5,000, Deduct	*-1.82*	
		For >5,000, Deduct	*-2.78*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0017		**Steel, Acoustical Lay-In Metal Ceiling Panels** *(09 51 33 23-0001)*		
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	25.04	1.08
		For Up To 50, Add	*4.62*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.36*	
		For >2,500 To 4,000, Deduct	*-0.63*	
		For >4,000 To 5,000, Deduct	*-1.25*	
		For >5,000, Deduct	*-1.93*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.86	1.08
		For Up To 50, Add	*5.34*	
		For >50 To 200, Add	*3.42*	
		For >200 To 500, Add	*1.60*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.29*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	32.04	1.08
		For Up To 50, Add	*5.67*	
		For >50 To 200, Add	*3.63*	
		For >200 To 500, Add	*1.71*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-2.46*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.09	1.08
		For Up To 50, Add	*5.37*	
		For >50 To 200, Add	*3.44*	
		For >200 To 500, Add	*1.61*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.31*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.89	1.08
		For Up To 50, Add	*5.49*	
		For >50 To 200, Add	*3.52*	
		For >200 To 500, Add	*1.65*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	32.73	1.08
		For Up To 50, Add	*5.77*	
		For >50 To 200, Add	*3.70*	
		For >200 To 500, Add	*1.74*	
		For >2,500 To 4,000, Deduct	*-0.82*	
		For >4,000 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-2.51*	
		For Ceilings >10' High, Add	*0.16*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.26	1.08
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.55	1.08
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.06	1.08
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.78	1.08
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.54	1.08
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.70	1.08

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension System Assemblies *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly Note: Excludes ceiling tile.	5.42	0.72
		For Fastening To Concrete, Add	*1.66*	
		For Fastening To Steel, Add	*1.81*	
		For Vertical Application, Add	*2.71*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.58*	
		For Up To 50, Add	*2.05*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.23*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	4.39	0.72
		For UL Listed (Fire Guard), Add	*0.27*	
		For 1-1/2" Wide Faced Grid, Add	*0.50*	
		For Fastening To Concrete, Add	*1.61*	
		For Fastening To Steel, Add	*1.76*	
		For Vertical Application, Add	*2.28*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.48*	
		For Aluminum T-Bar System, Add	*0.80*	
		For Up To 50, Add	*1.70*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	3.69	0.72
		For UL Listed (Fire Guard), Add	*0.20*	
		For 1-1/2" Wide Faced Grid, Add	*0.36*	
		For Fastening To Concrete, Add	*1.59*	
		For Fastening To Steel, Add	*1.74*	
		For Vertical Application, Add	*2.09*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.59*	
		For Up To 50, Add	*1.51*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.18*	
		For Concealed Spline Grid, Add	*0.56*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	3.06	0.72
		For UL Listed (Fire Guard), Add	*0.16*	
		For 1-1/2" Wide Faced Grid, Add	*0.29*	
		For Fastening To Concrete, Add	*1.55*	
		For Fastening To Steel, Add	*1.70*	
		For Vertical Application, Add	*2.01*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.47*	
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.13*	
		For Ceilings >10' High, Add	*0.15*	
		For Concealed Spline Grid, Add	*0.46*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	2.67	0.72
		For UL Listed (Fire Guard), Add	*0.14*	
		For 1-1/2" Wide Faced Grid, Add	*0.27*	
		For Fastening To Concrete, Add	*1.52*	
		For Fastening To Steel, Add	*1.67*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.30*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.43*	
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.13*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	3.96	0.72
		For UL Listed (Fire Guard), Add	*0.24*	
		For Fastening To Concrete, Add	*1.59*	
		For Fastening To Steel, Add	*1.74*	
		For Vertical Application, Add	*2.09*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.44*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.55*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.24*	
		For Black Grid, Add	*0.20*	
		For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	3.27	0.72
		For UL Listed (Fire Guard), Add	*0.19*	
		For Fastening To Concrete, Add	*1.55*	
		For Fastening To Steel, Add	*1.70*	
		For Vertical Application, Add	*2.01*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.20*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0009		Ceiling Suspension System Accessories *(09 53 23)*		
09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.70	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	4.09	2.01
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.84	2.15
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	8.04	2.29
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.05	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.23	
09 53 23 00-0016	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	8.66	0.41
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum Note: Includes vertical center strut and four 12 gauge diagonal wires.	34.07	10.09
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	104.31	29.10
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	108.19	29.66
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	121.84	29.66
09 53 23 00-0021		Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)* Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	3.95	
		For Up To 50, Add	*2.17*	
		For >50 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Ceilings >10' High, Add	*0.30*	
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.71	
		For Up To 50, Add	*0.94*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.13*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001		Translucent Ceiling Panels *(09 54 16)*		
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	4.00	0.72
		For Ceilings >10' High, Add	*0.12*	
		For >100 To 200, Deduct	*-0.17*	
		For >200 To 300, Deduct	*-0.44*	
		For >300, Deduct	*-0.76*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001		Linear Ceiling Systems *(09 54 23)*		
09 54 23 00-0002		0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)* Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.86	2.93
		For Up To 50, Add	*6.54*	
		For >50 To 200, Add	*3.89*	
		For >200 To 500, Add	*1.59*	
		For >2,500, Deduct	*-1.24*	
		For Ceilings >10' High, Add	*0.53*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.43*	
		For Curved Ceilings, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	20.13	2.93
		For Up To 50, Add	*5.77*	
		For >50 To 200, Add	*3.39*	
		For >200 To 500, Add	*1.35*	
		For >2,500, Deduct	*-1.01*	
		For Ceilings >10' High, Add	*0.52*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.20*	
		For Curved Ceilings, Add	*1.59*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	18.30	2.93
		For Up To 50, Add	*5.44*	
		For >50 To 200, Add	*3.18*	
		For >200 To 500, Add	*1.25*	
		For >2,500, Deduct	*-0.92*	
		For Ceilings >10' High, Add	*0.50*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.46*	
		For Curved Ceilings, Add	*1.56*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	23.18	4.53
		For Up To 50, Add	*5.67*	
		For >50 To 200, Add	*3.41*	
		For >200 To 500, Add	*1.43*	
		For >2,500, Deduct	*-1.16*	
		For Ceilings >10' High, Add	*0.41*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	34.00	2.93
		For Up To 50, Add	*7.41*	
		For >50 To 200, Add	*4.55*	
		For >200 To 500, Add	*1.99*	
		For >2,500, Deduct	*-1.70*	
		For Ceilings >10' High, Add	*0.43*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	25.02	2.93
		For Up To 50, Add	*6.06*	
		For >50 To 200, Add	*3.66*	
		For >200 To 500, Add	*1.54*	
		For >2,500, Deduct	*-1.25*	
		For Ceilings >10' High, Add	*0.43*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.98	2.93
		For Up To 50, Add	*5.58*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.42*	
		For >2,500, Deduct	*-1.15*	
		For Ceilings >10' High, Add	*0.40*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	20.04	2.19
		For Up To 50, Add	*4.86*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.23*	
		For >2,500, Deduct	*-1.00*	
		For Ceilings >10' High, Add	*0.35*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	16.35	4.39
		For Ceilings >10' High, Add	*0.64*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	20.30	5.12
		For Ceilings >10' High, Add	*0.71*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	27.13	5.99
		For Ceilings >10' High, Add	*0.90*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	47.66	13.89
		For Ceilings >10' High, Add	*2.03*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	65.43	16.24
		For Ceilings >10' High, Add	*2.44*	

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001 High Impact Ceilings *(09 57 63)*

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	8.72	1.43
		For Ceilings >10' High, Add	*0.17*	
09 57 63 00-0003	EA	High Impact Clips	5.25	1.15
		For Ceilings >10' High, Add	*0.27*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.68	2.86
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.60	3.15
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.51	3.47
09 61 13 00-0005	LF	4" Anti-Slip Tape	6.37	3.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0006	LF	6" Anti-Slip Tape	8.05	4.19
09 61 13 00-0007	LF	12" Anti-Slip Tape	13.97	6.29
09 61 13 00-0008	LF	24" Anti-Slip Tape	19.82	9.43

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	32.26	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	36.27	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	20.99	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	24.62	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	22.62	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	27.44	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	24.18	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	30.29	11.33
		For Basket Weave Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.23*	
		For Epoxy Joints, Add	*5.76*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	21.23	6.96

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.62	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.64	
09 64 13 00-0004	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.67	
09 64 13 00-0005	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.74	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.67	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.73	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.67	0.43
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.79	0.43
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	1.04	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.27	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.36	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.64	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.66	0.29

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	15.68	1.43
		For Up To 20, Add	*6.38*	
		For >20 To 50, Add	*3.36*	
		For >50 To 100, Add	*1.68*	
		For >100 To 300, Add	*0.84*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	16.54	1.43
		For Factory Finish, Add	*1.01*	
		For Random Width Floor, Add	*3.81*	
		For Up To 20, Add	*5.38*	
		For >20 To 50, Add	*2.94*	
		For >50 To 100, Add	*1.47*	
		For >100 To 300, Add	*0.74*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	13.69	1.43
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*3.00*	
		For Up To 20, Add	*5.84*	
		For >20 To 50, Add	*3.05*	
		For >50 To 100, Add	*1.53*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	14.38	1.43
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*3.17*	
		For Up To 20, Add	*5.95*	
		For >20 To 50, Add	*3.12*	
		For >50 To 100, Add	*1.56*	
		For >100 To 300, Add	*0.78*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	15.41	1.43
		For Factory Finish, Add	*0.70*	
		For Random Width Floor, Add	*3.43*	
		For Up To 20, Add	*6.10*	
		For >20 To 50, Add	*3.23*	
		For >50 To 100, Add	*1.61*	
		For >100 To 300, Add	*0.81*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.94	1.43
		For Factory Finish, Add	*0.55*	
		For Random Width Floor, Add	*2.66*	
		For Up To 20, Add	*4.69*	
		For >20 To 50, Add	*2.48*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.49	1.43
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*2.80*	
		For Up To 20, Add	*4.77*	
		For >20 To 50, Add	*2.54*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.63*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	13.54	1.43
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*3.06*	
		For Up To 20, Add	*4.93*	
		For >20 To 50, Add	*2.64*	
		For >50 To 100, Add	*1.32*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	13.80	1.43
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*3.03*	
		For Up To 20, Add	*5.86*	
		For >20 To 50, Add	*3.06*	
		For >50 To 100, Add	*1.53*	
		For >100 To 300, Add	*0.77*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	14.49	1.43
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*3.20*	
		For Up To 20, Add	*5.96*	
		For >20 To 50, Add	*3.13*	
		For >50 To 100, Add	*1.57*	
		For >100 To 300, Add	*0.78*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	15.52	1.43
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*3.46*	
		For Up To 20, Add	*6.12*	
		For >20 To 50, Add	*3.24*	
		For >50 To 100, Add	*1.62*	
		For >100 To 300, Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	12.05	1.43
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*2.69*	
		For Up To 20, Add	*4.71*	
		For >20 To 50, Add	*2.49*	
		For >50 To 100, Add	*1.25*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	12.74	1.43
		For Factory Finish, Add	*0.63*	
		For Random Width Floor, Add	*2.86*	
		For Up To 20, Add	*4.81*	
		For >20 To 50, Add	*2.56*	
		For >50 To 100, Add	*1.28*	
		For >100 To 300, Add	*0.64*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.65	1.43
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*3.09*	
		For Up To 20, Add	*4.95*	
		For >20 To 50, Add	*2.65*	
		For >50 To 100, Add	*1.33*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.32	1.43
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.66*	
		For Up To 20, Add	*6.24*	
		For >20 To 50, Add	*3.32*	
		For >50 To 100, Add	*1.66*	
		For >100 To 300, Add	*0.83*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.18	1.43
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*3.37*	
		For Up To 20, Add	*6.07*	
		For >20 To 50, Add	*3.20*	
		For >50 To 100, Add	*1.60*	
		For >100 To 300, Add	*0.80*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	14.80	1.43
		For Factory Finish, Add	*0.84*	
		For Random Width Floor, Add	*3.38*	
		For Up To 20, Add	*5.12*	
		For >20 To 50, Add	*2.77*	
		For >50 To 100, Add	*1.38*	
		For >100 To 300, Add	*0.69*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.65	1.43
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*3.09*	
		For Up To 20, Add	*4.95*	
		For >20 To 50, Add	*2.65*	
		For >50 To 100, Add	*1.33*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	18.79	1.43
		For Factory Finish, Add	*1.04*	
		For Random Width Floor, Add	*4.28*	
		For Up To 20, Add	*6.61*	
		For >20 To 50, Add	*3.56*	
		For >50 To 100, Add	*1.78*	
		For >100 To 300, Add	*0.89*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	17.26	1.43
		For Factory Finish, Add	*0.88*	
		For Random Width Floor, Add	*3.89*	
		For Up To 20, Add	*6.38*	
		For >20 To 50, Add	*3.41*	
		For >50 To 100, Add	*1.71*	
		For >100 To 300, Add	*0.85*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.43	1.43
		For Factory Finish, Add	*1.10*	
		For Random Width Floor, Add	*4.04*	
		For Up To 20, Add	*5.51*	
		For >20 To 50, Add	*3.03*	
		For >50 To 100, Add	*1.52*	
		For >100 To 300, Add	*0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.90	1.43
		For Factory Finish, Add	*0.95*	
		For Random Width Floor, Add	*3.65*	
		For Up To 20, Add	*5.28*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	17.60	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	17.60	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	17.60	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	18.01	1.43
		For Up To 20, Add	*5.23*	
		For >20 To 50, Add	*2.92*	
		For >50 To 100, Add	*1.46*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0034	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Vinyard Oak)	30.01	1.43
		For Up To 20, Add	*7.02*	
		For >20 To 50, Add	*4.12*	
		For >50 To 100, Add	*2.06*	
		For >100 To 300, Add	*1.03*	
09 64 29 00-0035	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Canyon Oak)	34.44	1.43
		For Up To 20, Add	*7.69*	
		For >20 To 50, Add	*4.56*	
		For >50 To 100, Add	*2.28*	
		For >100 To 300, Add	*1.14*	
09 64 29 00-0036	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Natural)	40.18	1.43
		For Up To 20, Add	*8.55*	
		For >20 To 50, Add	*5.14*	
		For >50 To 100, Add	*2.57*	
		For >100 To 300, Add	*1.28*	
09 64 29 00-0037	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Tigerwood)	46.52	1.43
		For Up To 20, Add	*9.50*	
		For >20 To 50, Add	*5.77*	
		For >50 To 100, Add	*2.89*	
		For >100 To 300, Add	*1.44*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	16.01	7.15
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	18.29	7.45
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	20.98	9.30
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	21.75	9.30
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)	23.11	9.30
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)	22.43	9.30
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)	26.32	9.30
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.62	1.75
		For Up To 20, Add	*2.24*	
		For >20 To 40, Add	*1.26*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.58*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.04	1.75
		For Up To 20, Add	*2.30*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.43	1.75
		For Up To 20, Add	*2.36*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.70*	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.78	1.75
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.76*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	8.16	1.75
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.96*	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.14	1.75
		For Up To 20, Add	*2.32*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.66	1.75
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.36*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.74	1.75
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.14	1.75
		For Up To 20, Add	*2.46*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.54*	
		For >960, Deduct	*-0.81*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.42	1.75
		For Up To 20, Add	*2.66*	
		For >20 To 40, Add	*1.54*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.67*	
		For >960, Deduct	*-1.00*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.77	1.75
		For Up To 20, Add	*3.01*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.71*	
		For >240 To 960, Deduct	*-0.90*	
		For >960, Deduct	*-1.35*	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.28	1.75
		For Up To 20, Add	*3.09*	
		For >20 To 40, Add	*1.83*	
		For >40 To 80, Add	*0.74*	
		For >240 To 960, Deduct	*-0.95*	
		For >960, Deduct	*-1.43*	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.86	1.75
		For Up To 20, Add	*3.32*	
		For >20 To 40, Add	*1.98*	
		For >40 To 80, Add	*0.82*	
		For >240 To 960, Deduct	*-1.11*	
		For >960, Deduct	*-1.67*	
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.92	1.75
		For Up To 20, Add	*3.48*	
		For >20 To 40, Add	*2.09*	
		For >40 To 80, Add	*0.87*	
		For >240 To 960, Deduct	*-1.22*	
		For >960, Deduct	*-1.83*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	19.16	1.75
		For Up To 20, Add	*4.27*	
		For >20 To 40, Add	*2.61*	
		For >40 To 80, Add	*1.13*	
		For >240 To 960, Deduct	*-1.74*	
		For >960, Deduct	*-2.61*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.81	2.09
		For Up To 20, Add	*2.42*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.46	2.09
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.57*	
		For >960, Deduct	*-0.86*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.83	1.75
		For Up To 20, Add	*2.42*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.24	1.75
		For Up To 20, Add	*2.48*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.54*	
		For >240 To 960, Deduct	*-0.55*	
		For >960, Deduct	*-0.83*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.97	2.09
		For Up To 20, Add	*3.18*	
		For >20 To 40, Add	*1.84*	
		For >40 To 80, Add	*0.71*	
		For >240 To 960, Deduct	*-0.79*	
		For >960, Deduct	*-1.18*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	19.49	2.80
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	20.94	3.01
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	25.08	3.22
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0006		Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*		
09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	18.49	2.80
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	19.51	3.01
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	23.62	3.23
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0010		Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	10.78	1.68
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	30.07	2.59
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	35.82	2.80
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	38.77	3.15
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	20.95	2.55
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	23.13	2.80
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	27.65	3.02
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	11.73	1.68
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.37	1.40
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.58	1.40
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.75	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	3.19	1.26
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.35*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.89	1.26
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.30*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	2.52	1.26
		For >240 To 960, Deduct	*-0.16*	
		For >960, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	4.08	1.75
		For Up To 20, Add	*1.73*	
		For >20 To 40, Add	*0.97*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.27*	
		For >960, Deduct	*-0.40*	
09 65 13 36-0006		**Vinyl, Wheeled Traffic Transitions** *(09 65 13 36)*		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.91	1.75
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.53*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.91	1.75
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.53*	
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.85	1.75
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.15*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	9.19	1.75
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	9.21	1.75
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	6.35	1.75
		For Up To 20, Add	*2.07*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.74*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.97	1.75
		For Up To 20, Add	*2.47*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.59*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	9.27	1.75
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.79*	
		For >960, Deduct	*-1.18*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.93	1.75
		For Up To 20, Add	*2.31*	
		For >20 To 40, Add	*1.35*	
		For >40 To 80, Add	*0.54*	
		For >240 To 960, Deduct	*-0.65*	
		For >960, Deduct	*-0.98*	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.59	1.75
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.57*	
		For >240 To 960, Deduct	*-0.72*	
		For >960, Deduct	*-1.08*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	9.27	1.75
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.79*	
		For >960, Deduct	*-1.18*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.80	1.75
		For Up To 20, Add	*2.29*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.71	1.75
		For Up To 20, Add	*2.13*	
		For >20 To 40, Add	*1.23*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.53*	
		For >960, Deduct	*-0.80*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	9.51	1.75
		For Up To 20, Add	*2.55*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.62*	
		For >240 To 960, Deduct	*-0.81*	
		For >960, Deduct	*-1.22*	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	12.03	1.75
		For Up To 20, Add	*2.92*	
		For >20 To 40, Add	*1.76*	
		For >40 To 80, Add	*0.74*	
		For >240 To 960, Deduct	*-1.06*	
		For >960, Deduct	*-1.59*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.54	1.75
		For Up To 20, Add	*2.10*	
		For >20 To 40, Add	*1.21*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.77*	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	6.62	1.75
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.52*	
		For >960, Deduct	*-0.78*	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	7.41	1.75
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.60*	
		For >960, Deduct	*-0.90*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	12.48	1.05
		For Up To 40, Add	*5.28*	
		For >40 To 100, Add	*2.64*	
		For >1,000, Deduct	*-1.03*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	10.29	1.05
		For Up To 40, Add	*4.84*	
		For >40 To 100, Add	*2.42*	
		For >1,000, Deduct	*-0.82*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.89	1.05
		For Up To 40, Add	*4.16*	
		For >40 To 100, Add	*2.08*	
		For >1,000, Deduct	*-0.48*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.90	1.05
		For Up To 40, Add	*4.56*	
		For >40 To 100, Add	*2.28*	
		For >1,000, Deduct	*-0.68*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	11.60	1.05
		For Up To 40, Add	*5.10*	
		For >40 To 100, Add	*2.55*	
		For >1,000, Deduct	*-0.95*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.84	1.05
		For Up To 40, Add	*5.95*	
		For >40 To 100, Add	*2.98*	
		For >1,000, Deduct	*-1.37*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	9.69
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	10.16

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	23.32

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	5.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.72	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.99	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	3.89	

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	5.19	2.09
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.54*	
		For 3/32" Thick, Deduct	*-0.26*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	5.02	2.09
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.53*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	5.02	2.09
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.53*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	7.27	2.09
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.67*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	7.29	2.09
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.67*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	7.72	2.09
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.70*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	7.78	2.09
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.70*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	8.05	2.09
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.72*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	10.50	2.09
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.51*	
		For >6,000, Deduct	*-0.86*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	11.46	2.09
		For >1,000 To 3,000, Deduct	*-0.24*	
		For >3,000 To 6,000, Deduct	*-0.55*	
		For >6,000, Deduct	*-0.92*	
		For Extra Stock, Material Only, Deduct	*-2.46*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	20.83	2.09
		For >1,000 To 3,000, Deduct	*-0.44*	
		For >3,000 To 6,000, Deduct	*-0.99*	
		For >6,000, Deduct	*-1.64*	
		For Extra Stock, Material Only, Deduct	*-4.15*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	16.16	2.09
		For Up To 20, Add	*4.17*	
		For >20 To 40, Add	*2.49*	
		For >40 To 80, Add	*1.03*	
		For >1,000 To 3,000, Deduct	*-0.35*	
		For >3,000 To 6,000, Deduct	*-0.80*	
		For >6,000, Deduct	*-1.36*	
		For Extra Stock, Material Only, Deduct	*-4.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	7.19	2.09
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	7.48	2.09
		For Up To 20, Add	*2.55*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.77*	
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	7.58	2.09
		For Up To 20, Add	*2.57*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico)	12.42	2.09
		For Up To 20, Add	*3.30*	
		For >20 To 40, Add	*1.96*	
		For >40 To 80, Add	*0.80*	
		For >1,000 To 3,000, Deduct	*-0.27*	
		For >3,000 To 6,000, Deduct	*-0.62*	
		For >6,000, Deduct	*-1.07*	
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	7.74	2.80
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.79*	
09 65 19 23-0009	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	7.96	2.80
		For Up To 20, Add	*2.63*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.58*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	7.54	2.80
		For Up To 20, Add	*2.56*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.77*	
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	7.95	2.80
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.58*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0012	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	6.72	2.09
		For Up To 20, Add	*2.44*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0013	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	8.63	2.09
		For Up To 20, Add	*2.73*	
		For >20 To 40, Add	*1.58*	
		For >40 To 80, Add	*0.61*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.47*	
		For >6,000, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0014	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	7.70	2.80
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	
09 65 19 23-0015	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	8.64	2.80
		For Up To 20, Add	*2.73*	
		For >20 To 40, Add	*1.58*	
		For >40 To 80, Add	*0.61*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.47*	
		For >6,000, Deduct	*-0.84*	
09 65 19 23-0016	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	7.70	2.80
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	8.64	2.80
		For Up To 20, Add	*2.73*	
		For >20 To 40, Add	*1.58*	
		For >40 To 80, Add	*0.61*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.47*	
		For >6,000, Deduct	*-0.84*	
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	8.80	2.80
		For Up To 20, Add	*2.75*	
		For >20 To 40, Add	*1.60*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.85*	
09 65 19 23-0019	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	8.70	2.80
		For Up To 20, Add	*2.74*	
		For >20 To 40, Add	*1.59*	
		For >40 To 80, Add	*0.61*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.47*	
		For >6,000, Deduct	*-0.84*	
09 65 19 23-0020	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	9.50	2.80
		For Up To 20, Add	*2.86*	
		For >20 To 40, Add	*1.67*	
		For >40 To 80, Add	*0.65*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.51*	
		For >6,000, Deduct	*-0.89*	
09 65 19 23-0021	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	8.75	2.80
		For Up To 20, Add	*2.74*	
		For >20 To 40, Add	*1.59*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.85*	
09 65 19 23-0022	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	7.56	2.80
		For Up To 20, Add	*2.57*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	
09 65 19 23-0023	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	7.07	2.80
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.42*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	8.00	2.09
		For Up To 20, Add	*2.63*	
		For >20 To 40, Add	*1.52*	
		For >40 To 80, Add	*0.58*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.45*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0025	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	7.26	2.09
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0026	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	6.66	2.09
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0027	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	8.44	2.09
		For Up To 20, Add	*2.70*	
		For >20 To 40, Add	*1.56*	
		For >40 To 80, Add	*0.60*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.46*	
		For >6,000, Deduct	*-0.83*	
09 65 19 23-0028	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	6.66	2.09
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0029	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	8.44	2.09
		For Up To 20, Add	*2.70*	
		For >20 To 40, Add	*1.56*	
		For >40 To 80, Add	*0.60*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.46*	
		For >6,000, Deduct	*-0.83*	
09 65 19 23-0030	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	7.70	2.09
		For Up To 20, Add	*2.59*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.78*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	25.07	1.26
		For Up To 100, Add	*1.38*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	30.33	1.40
		For Up To 100, Add	*1.66*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	33.74	1.68
		For Up To 100, Add	*1.86*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	11.04	2.09
		For >1,000 To 3,000, Deduct	*-0.23*	
		For >3,000 To 6,000, Deduct	*-0.53*	
		For >6,000, Deduct	*-0.90*	
		For Extra Stock, Material Only, Deduct	*-2.46*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	8.34	2.09
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.73*	
		For Extra Stock, Material Only, Deduct	*-2.46*	

09 65 23 Resilient Plank Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001 Vinyl Plank Flooring *(09 65 23)*

09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.67	1.05
		For Up To 40, Add	*4.32*	
		For >40 To 100, Add	*2.16*	
		For >1,000, Deduct	*-0.55*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.45	1.05
		For Up To 40, Add	*4.67*	
		For >40 To 100, Add	*2.34*	
		For >1,000, Deduct	*-0.73*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.55	1.05
		For Up To 40, Add	*4.89*	
		For >40 To 100, Add	*2.45*	
		For >1,000, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 23 00-0005	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot)	7.34	2.09
		For Up To 20, Add	*2.53*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	8.51	2.09
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	6.25	1.05
		For 3.2mm Thickness, Add	*0.82*	
		For 2mm Thickness, Deduct	*-0.39*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	9.70	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.45	0.98
		For Colors, Add	*1.41*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.85	1.23
		For Colors, Add	*1.62*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	11.61	1.96
		For Colors, Add	*1.76*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	16.70	2.37
		For Colors, Add	*2.66*	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	43.64	0.98
		For Colors, Add	*5.28*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	63.01	0.98
		For Colors, Add	*7.70*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	46.08	0.98
		For Colors, Add	*5.59*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	56.64	0.98
		For Colors, Add	*6.91*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	47.38	0.98
		For Colors, Add	*5.75*	

09 65 66 00-0012 Sheet Goods For Gym *(09 65 66)*

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	23.70	4.20
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.04	4.34
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	26.25	4.48
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	6.92	3.42
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	7.78	3.91
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	8.86	4.20
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	9.66	4.48
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	10.20	4.76

09 65 66 00-0021 Polyurethane Floor Systems *(09 65 66)*

See CSI section 09 93 23 53-0015 for game lines.

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	27.93	2.80

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.59	3.48
		For Venetian Type Terrazzo, Add	*9.00*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.00*	
		For Colors, Add	*4.50*	
		For Up To 100, Add	*9.24*	
		For >100 To 250, Add	*4.62*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.76	3.48
		For Venetian Type Terrazzo, Add	*9.09*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.09*	
		For Colors, Add	*4.54*	
		For Up To 100, Add	*9.25*	
		For >100 To 250, Add	*4.63*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	19.86	3.48
		For Venetian Type Terrazzo, Add	*6.55*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.55*	
		For Colors, Add	*3.28*	
		For Up To 100, Add	*4.01*	
		For >100 To 250, Add	*2.01*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	29.14	3.48
		For Venetian Type Terrazzo, Add	*7.43*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.43*	
		For Colors, Add	*3.71*	
		For Up To 100, Add	*7.20*	
		For >100 To 250, Add	*3.60*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	29.31	3.48
		For Venetian Type Terrazzo, Add	*7.51*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.51*	
		For Colors, Add	*3.76*	
		For Up To 100, Add	*7.22*	
		For >100 To 250, Add	*3.61*	

09 66 13 19-0004 Terrazzo Wainscot *(09 66 13 19)*

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	40.56	4.65
		For Venetian Type Terrazzo, Add	*4.81*	

09 66 13 19-0006 Terrazzo Base *(09 66 13 19)*

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	41.79	3.75
		For Venetian Type Terrazzo, Add	*10.48*	

09 66 13 19-0008 Terrazzo Curb *(09 66 13 19)*

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	111.28	25.00
		For Venetian Type Terrazzo, Add	*13.98*	

09 66 13 19-0010 Stairs Cast In Place *(09 66 13 19)*

Note: Topping applied to concrete or metal.

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	41.63	6.97
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	104.92	23.22
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	42.16	6.97
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	

09 66 13 19-0014 Divider Strips *(09 66 13 19)*

09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.74	1.16
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.72	1.16
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.50	1.16
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	15.58	1.16
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.48	1.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.67	1.16
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	6.85	1.16

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 13 Portland Cement Terrazzo Floor Tile *(09 66 16)*

09 66 16 13-0001 Flooring Tiles *(09 66 16 13)*
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 13-0002 Terrazzo Tiles With Non-Slip Surface *(09 66 16 13-0001)*

09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	34.54	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	34.96	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	40.24	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	42.56	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	43.97	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0008 Terrazzo Tile Thin Set *(09 66 16 13-0001)*

09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	33.97	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	36.03	3.49
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0011 Thin Set Terrazzo Wainscot *(09 66 16 13-0001)*

09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	54.71	7.50
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	62.56	7.50
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement *(09 66 16 13-0001)*

09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	18.02	3.75
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	19.92	3.75
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	20.86	3.75
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	21.81	3.75
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0019 Terrazzo Curbs *(09 66 16 13-0001)*

09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	37.33	5.00
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	36.38	5.00
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0022 Precast Terrazzo Stair Treads 12" Wide *(09 66 16 13-0001)*

09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	83.29	5.00
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	71.89	5.00
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	64.29	5.00
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	75.05	5.00

09 66 16 13-0027 Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 13-0001)*

09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	38.42	3.75
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	44.12	3.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0030		**Stair Risers, 1" Thick To 6" High, Curved** *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	55.77	3.75
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	59.57	3.75
09 66 16 13-0033		**Tread And Riser** *(09 66 16 13)*		
09 66 16 13-0034		**Stair Stringers, Notched For Treads And Risers** *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	94.23	10.00
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	113.48	10.00
09 66 16 13-0037		**Structural Non-Slip Landings** *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	67.51	5.00
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	82.56	5.00
09 66 16 13-0040		**Combined Tread And Riser** *(09 66 16 13-0033)*		
09 66 16 13-0041		**Straight Sections** *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	144.86	10.00
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	171.47	10.00
09 66 16 13-0044		**Curved Sections** *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	180.37	10.00
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	225.98	10.00
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		**Epoxy Terrazzo** *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	27.54	3.48
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	28.87	6.25
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	51.82	6.25
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	22.21	6.25
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	37.22	6.25
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	24.88	6.25
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	46.87	6.25
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	35.47	6.25
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	40.62	6.25
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		**Epoxy Marble Chip Flooring** *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	19.64	3.48
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	20.93	3.48
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		**Epoxy Resin Flooring** *(09 67 23)*		
		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0002	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	14.92	7.89
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*2.80*	
		For >500 To 1,000, Add	*1.77*	
		For >1,000 To 2,000, Add	*0.89*	
		For >10,000, Deduct	*-0.98*	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	21.72	7.89
		For Skid Resistant Abrasive Sand Finish, Add	*0.12*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.12*	
		For Up To 500, Add	*4.50*	
		For >500 To 1,000, Add	*2.79*	
		For >1,000 To 2,000, Add	*1.40*	
		For >10,000, Deduct	*-1.32*	
09 67 23 00-0004	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	17.85	8.82
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*3.30*	
		For >500 To 1,000, Add	*2.10*	
		For >1,000 To 2,000, Add	*1.05*	
		For >10,000, Deduct	*-1.18*	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	25.63	8.82
		For Skid Resistant Abrasive Sand Finish, Add	*0.14*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.14*	
		For Up To 500, Add	*5.25*	
		For >500 To 1,000, Add	*3.26*	
		For >1,000 To 2,000, Add	*1.63*	
		For >10,000, Deduct	*-1.57*	
09 67 23 00-0006	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	20.14	9.86
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*3.75*	
		For >500 To 1,000, Add	*2.38*	
		For >1,000 To 2,000, Add	*1.19*	
		For >10,000, Deduct	*-1.33*	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	28.39	9.86
		For Skid Resistant Abrasive Sand Finish, Add	*0.16*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.16*	
		For Up To 500, Add	*5.81*	
		For >500 To 1,000, Add	*3.61*	
		For >1,000 To 2,000, Add	*1.81*	
		For >10,000, Deduct	*-1.74*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003	SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	49.36	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.86*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.63*	
		For >1,500 To 2,200, Deduct	*-3.91*	
		For >2,200 To 3,500, Deduct	*-5.14*	
		For >3,500, Deduct	*-6.37*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	51.11	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.92*	
		For >600 To 900, Deduct	*-1.83*	
		For >900 To 1,500, Deduct	*-2.75*	
		For >1,500 To 2,200, Deduct	*-4.08*	
		For >2,200 To 3,500, Deduct	*-5.36*	
		For >3,500, Deduct	*-6.64*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	56.64	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.11*	
		For >900 To 1,500, Deduct	*-3.14*	
		For >1,500 To 2,200, Deduct	*-4.63*	
		For >2,200 To 3,500, Deduct	*-6.05*	
		For >3,500, Deduct	*-7.47*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	62.04	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.38*	
		For >900 To 1,500, Deduct	*-3.52*	
		For >1,500 To 2,200, Deduct	*-5.17*	
		For >2,200 To 3,500, Deduct	*-6.72*	
		For >3,500, Deduct	*-8.28*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	65.19	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.34*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.74*	
		For >1,500 To 2,200, Deduct	*-5.49*	
		For >2,200 To 3,500, Deduct	*-7.12*	
		For >3,500, Deduct	*-8.75*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	68.43	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.97*	
		For >1,500 To 2,200, Deduct	*-5.81*	
		For >2,200 To 3,500, Deduct	*-7.52*	
		For >3,500, Deduct	*-9.23*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	69.38	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.03*	
		For >1,500 To 2,200, Deduct	*-5.91*	
		For >2,200 To 3,500, Deduct	*-7.64*	
		For >3,500, Deduct	*-9.38*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	69.99	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.78*	
		For >900 To 1,500, Deduct	*-4.07*	
		For >1,500 To 2,200, Deduct	*-5.97*	
		For >2,200 To 3,500, Deduct	*-7.72*	
		For >3,500, Deduct	*-9.47*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	70.49	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.11*	
		For >1,500 To 2,200, Deduct	*-6.02*	
		For >2,200 To 3,500, Deduct	*-7.78*	
		For >3,500, Deduct	*-9.54*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	72.21	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.89*	
		For >900 To 1,500, Deduct	*-4.23*	
		For >1,500 To 2,200, Deduct	*-6.19*	
		For >2,200 To 3,500, Deduct	*-8.00*	
		For >3,500, Deduct	*-9.80*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	75.63	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.06*	
		For >900 To 1,500, Deduct	*-4.47*	
		For >1,500 To 2,200, Deduct	*-6.53*	
		For >2,200 To 3,500, Deduct	*-8.42*	
		For >3,500, Deduct	*-10.31*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	79.30	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.76*	
		For >600 To 900, Deduct	*-3.24*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.90*	
		For >2,200 To 3,500, Deduct	*-8.88*	
		For >3,500, Deduct	*-10.86*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	86.33	8.40
		For Up To 15, Add	*4.12*	
		For >15 To 33, Add	*2.06*	
		For >200 To 400, Deduct	*-1.31*	
		For >400 To 600, Deduct	*-1.97*	
		For >600 To 900, Deduct	*-3.60*	
		For >900 To 1,500, Deduct	*-5.22*	
		For >1,500 To 2,200, Deduct	*-7.60*	
		For >2,200 To 3,500, Deduct	*-9.76*	
		For >3,500, Deduct	*-11.92*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	20.22	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	50.92	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.57*	
		For >400 To 600, Deduct	*-0.85*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.66*	
		For >1,500 To 2,200, Deduct	*-3.96*	
		For >2,200 To 3,500, Deduct	*-5.23*	
		For >3,500, Deduct	*-6.50*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	51.42	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.86*	
		For >600 To 900, Deduct	*-1.78*	
		For >900 To 1,500, Deduct	*-2.69*	
		For >1,500 To 2,200, Deduct	*-4.01*	
		For >2,200 To 3,500, Deduct	*-5.29*	
		For >3,500, Deduct	*-6.58*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	53.63	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.93*	
		For >600 To 900, Deduct	*-1.89*	
		For >900 To 1,500, Deduct	*-2.85*	
		For >1,500 To 2,200, Deduct	*-4.23*	
		For >2,200 To 3,500, Deduct	*-5.57*	
		For >3,500, Deduct	*-6.91*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	59.24	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.17*	
		For >900 To 1,500, Deduct	*-3.24*	
		For >1,500 To 2,200, Deduct	*-4.79*	
		For >2,200 To 3,500, Deduct	*-6.27*	
		For >3,500, Deduct	*-7.75*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	64.72	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.44*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.34*	
		For >2,200 To 3,500, Deduct	*-6.96*	
		For >3,500, Deduct	*-8.57*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	67.92	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.36*	
		For >600 To 900, Deduct	*-2.60*	
		For >900 To 1,500, Deduct	*-3.85*	
		For >1,500 To 2,200, Deduct	*-5.66*	
		For >2,200 To 3,500, Deduct	*-7.36*	
		For >3,500, Deduct	*-9.05*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	71.20	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.77*	
		For >900 To 1,500, Deduct	*-4.08*	
		For >1,500 To 2,200, Deduct	*-5.99*	
		For >2,200 To 3,500, Deduct	*-7.77*	
		For >3,500, Deduct	*-9.55*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	72.17	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.82*	
		For >900 To 1,500, Deduct	*-4.15*	
		For >1,500 To 2,200, Deduct	*-6.08*	
		For >2,200 To 3,500, Deduct	*-7.89*	
		For >3,500, Deduct	*-9.69*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	72.79	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.85*	
		For >900 To 1,500, Deduct	*-4.19*	
		For >1,500 To 2,200, Deduct	*-6.15*	
		For >2,200 To 3,500, Deduct	*-7.97*	
		For >3,500, Deduct	*-9.79*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	73.30	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.87*	
		For >900 To 1,500, Deduct	*-4.22*	
		For >1,500 To 2,200, Deduct	*-6.20*	
		For >2,200 To 3,500, Deduct	*-8.03*	
		For >3,500, Deduct	*-9.86*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	75.05	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.57*	
		For >600 To 900, Deduct	*-2.96*	
		For >900 To 1,500, Deduct	*-4.35*	
		For >1,500 To 2,200, Deduct	*-6.37*	
		For >2,200 To 3,500, Deduct	*-8.25*	
		For >3,500, Deduct	*-10.12*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	78.51	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.12*	
		For >400 To 600, Deduct	*-1.68*	
		For >600 To 900, Deduct	*-3.13*	
		For >900 To 1,500, Deduct	*-4.59*	
		For >1,500 To 2,200, Deduct	*-6.72*	
		For >2,200 To 3,500, Deduct	*-8.68*	
		For >3,500, Deduct	*-10.64*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	82.24	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.19*	
		For >400 To 600, Deduct	*-1.79*	
		For >600 To 900, Deduct	*-3.32*	
		For >900 To 1,500, Deduct	*-4.85*	
		For >1,500 To 2,200, Deduct	*-7.09*	
		For >2,200 To 3,500, Deduct	*-9.15*	
		For >3,500, Deduct	*-11.20*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	89.38	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.33*	
		For >400 To 600, Deduct	*-2.00*	
		For >600 To 900, Deduct	*-3.68*	
		For >900 To 1,500, Deduct	*-5.35*	
		For >1,500 To 2,200, Deduct	*-7.80*	
		For >2,200 To 3,500, Deduct	*-10.04*	
		For >3,500, Deduct	*-12.27*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	23.22	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	106.07	8.40
		For Up To 15, Add	*4.53*	
		For >15 To 33, Add	*2.27*	
		For >200 To 400, Deduct	*-1.67*	
		For >400 To 600, Deduct	*-2.50*	
		For >600 To 900, Deduct	*-4.51*	
		For >900 To 1,500, Deduct	*-6.52*	
		For >1,500 To 2,200, Deduct	*-9.47*	
		For >2,200 To 3,500, Deduct	*-12.13*	
		For >3,500, Deduct	*-14.78*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	19.93	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.44*	
		For >600 To 900, Deduct	*-0.81*	
		For >900 To 1,500, Deduct	*-1.18*	
		For >1,500 To 2,200, Deduct	*-1.73*	
		For >2,200 To 3,500, Deduct	*-2.22*	
		For >3,500, Deduct	*-2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	20.78	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.46*	
		For >600 To 900, Deduct	*-0.85*	
		For >900 To 1,500, Deduct	*-1.24*	
		For >1,500 To 2,200, Deduct	*-1.81*	
		For >2,200 To 3,500, Deduct	*-2.33*	
		For >3,500, Deduct	*-2.85*	
09 68 16 00-0006		**Bonded (Rebond) Polyurethane Foam Carpet Padding** *(09 68 16 00-0002)*		
09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.47	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.98*	
		For >2,200 To 3,500, Deduct	*-1.29*	
		For >3,500, Deduct	*-1.60*	
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.06	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.47*	
		For >900 To 1,500, Deduct	*-0.70*	
		For >1,500 To 2,200, Deduct	*-1.04*	
		For >2,200 To 3,500, Deduct	*-1.37*	
		For >3,500, Deduct	*-1.69*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	10.29	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.33*	
		For >900 To 1,500, Deduct	*-0.51*	
		For >1,500 To 2,200, Deduct	*-0.76*	
		For >2,200 To 3,500, Deduct	*-1.02*	
		For >3,500, Deduct	*-1.28*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.67	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-1.00*	
		For >2,200 To 3,500, Deduct	*-1.32*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.67	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-1.00*	
		For >2,200 To 3,500, Deduct	*-1.32*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.67	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-1.00*	
		For >2,200 To 3,500, Deduct	*-1.32*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.07	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.52*	
		For >900 To 1,500, Deduct	*-0.77*	
		For >1,500 To 2,200, Deduct	*-1.14*	
		For >2,200 To 3,500, Deduct	*-1.49*	
		For >3,500, Deduct	*-1.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.53	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.99*	
		For >2,200 To 3,500, Deduct	*-1.30*	
		For >3,500, Deduct	*-1.61*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.00	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.46*	
		For >900 To 1,500, Deduct	*-0.70*	
		For >1,500 To 2,200, Deduct	*-1.03*	
		For >2,200 To 3,500, Deduct	*-1.36*	
		For >3,500, Deduct	*-1.68*	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.67	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.55*	
		For >900 To 1,500, Deduct	*-0.81*	
		For >1,500 To 2,200, Deduct	*-1.20*	
		For >2,200 To 3,500, Deduct	*-1.57*	
		For >3,500, Deduct	*-1.93*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	21.22	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-0.87*	
		For >900 To 1,500, Deduct	*-1.27*	
		For >1,500 To 2,200, Deduct	*-1.86*	
		For >2,200 To 3,500, Deduct	*-2.39*	
		For >3,500, Deduct	*-2.92*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	23.69	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.55*	
		For >600 To 900, Deduct	*-1.00*	
		For >900 To 1,500, Deduct	*-1.44*	
		For >1,500 To 2,200, Deduct	*-2.10*	
		For >2,200 To 3,500, Deduct	*-2.69*	
		For >3,500, Deduct	*-3.29*	
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	25.58	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.61*	
		For >600 To 900, Deduct	*-1.09*	
		For >900 To 1,500, Deduct	*-1.58*	
		For >1,500 To 2,200, Deduct	*-2.29*	
		For >2,200 To 3,500, Deduct	*-2.93*	
		For >3,500, Deduct	*-3.57*	

09 68 16 00-0021 Waffle Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0022	SY	3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	24.35	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.38*	
		For >400 To 600, Deduct	*-0.57*	
		For >600 To 900, Deduct	*-1.03*	
		For >900 To 1,500, Deduct	*-1.49*	
		For >1,500 To 2,200, Deduct	*-2.17*	
		For >2,200 To 3,500, Deduct	*-2.78*	
		For >3,500, Deduct	*-3.39*	

09 68 16 00-0023 Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0024	SY	0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	14.80	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.55*	
		For >900 To 1,500, Deduct	*-0.82*	
		For >1,500 To 2,200, Deduct	*-1.21*	
		For >2,200 To 3,500, Deduct	*-1.58*	
		For >3,500, Deduct	*-1.95*	
09 68 16 00-0025	SY	0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	15.81	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.60*	
		For >900 To 1,500, Deduct	*-0.89*	
		For >1,500 To 2,200, Deduct	*-1.31*	
		For >2,200 To 3,500, Deduct	*-1.71*	
		For >3,500, Deduct	*-2.10*	
09 68 16 00-0026	SY	0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	16.56	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.34*	
		For >600 To 900, Deduct	*-0.64*	
		For >900 To 1,500, Deduct	*-0.95*	
		For >1,500 To 2,200, Deduct	*-1.39*	
		For >2,200 To 3,500, Deduct	*-1.80*	
		For >3,500, Deduct	*-2.22*	
09 68 16 00-0027	SY	0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	18.89	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.76*	
		For >900 To 1,500, Deduct	*-1.11*	
		For >1,500 To 2,200, Deduct	*-1.62*	
		For >2,200 To 3,500, Deduct	*-2.09*	
		For >3,500, Deduct	*-2.57*	
09 68 16 00-0028	SY	0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	19.09	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.28*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.77*	
		For >900 To 1,500, Deduct	*-1.12*	
		For >1,500 To 2,200, Deduct	*-1.64*	
		For >2,200 To 3,500, Deduct	*-2.12*	
		For >3,500, Deduct	*-2.60*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	7.30	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.18*	
		For >900 To 1,500, Deduct	*-0.30*	
		For >1,500 To 2,200, Deduct	*-0.46*	
		For >2,200 To 3,500, Deduct	*-0.65*	
		For >3,500, Deduct	*-0.83*	
09 68 16 00-0031	SY	0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	8.84	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.11*	
		For >600 To 900, Deduct	*-0.26*	
		For >900 To 1,500, Deduct	*-0.41*	
		For >1,500 To 2,200, Deduct	*-0.62*	
		For >2,200 To 3,500, Deduct	*-0.84*	
		For >3,500, Deduct	*-1.06*	
09 68 16 00-0032	SY	0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	8.13	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.22*	
		For >900 To 1,500, Deduct	*-0.36*	
		For >1,500 To 2,200, Deduct	*-0.55*	
		For >2,200 To 3,500, Deduct	*-0.75*	
		For >3,500, Deduct	*-0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0033	SY	0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	8.40	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.23*	
		For >900 To 1,500, Deduct	*-0.37*	
		For >1,500 To 2,200, Deduct	*-0.57*	
		For >2,200 To 3,500, Deduct	*-0.78*	
		For >3,500, Deduct	*-0.99*	
09 68 16 00-0034	SY	0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding	9.98	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.31*	
		For >900 To 1,500, Deduct	*-0.49*	
		For >1,500 To 2,200, Deduct	*-0.73*	
		For >2,200 To 3,500, Deduct	*-0.98*	
		For >3,500, Deduct	*-1.23*	
09 68 16 00-0035		**Double Stick Synthetic Fiber Carpet Padding** *(09 68 16 00-0002)*		
09 68 16 00-0036	SY	0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding	10.47	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.34*	
		For >900 To 1,500, Deduct	*-0.52*	
		For >1,500 To 2,200, Deduct	*-0.78*	
		For >2,200 To 3,500, Deduct	*-1.04*	
		For >3,500, Deduct	*-1.30*	
09 68 16 00-0037	SY	0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding	11.70	3.53
		For Up To 15, Add	*1.07*	
		For >15 To 33, Add	*0.53*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.61*	
		For >1,500 To 2,200, Deduct	*-0.90*	
		For >2,200 To 3,500, Deduct	*-1.20*	
		For >3,500, Deduct	*-1.49*	
09 68 16 00-0038		**Residential Broadloom Carpet** *(09 68 16)*		
		Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	45.73	9.39
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.02*	
		For Up To 15, Add	*4.82*	
		For >15 To 33, Add	*2.41*	
		For >200 To 400, Deduct	*-0.43*	
		For >400 To 600, Deduct	*-0.65*	
		For >600 To 900, Deduct	*-1.44*	
		For >900, Deduct	*-2.24*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	50.82	9.39
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.02*	
		For Up To 15, Add	*4.82*	
		For >15 To 33, Add	*2.41*	
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.70*	
		For >900, Deduct	*-2.59*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	57.81	9.39
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.02*	
		For Up To 15, Add	*4.82*	
		For >15 To 33, Add	*2.41*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-2.05*	
		For >900, Deduct	*-3.08*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	65.12	9.39
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.02*	
		For Up To 15, Add	*4.82*	
		For >15 To 33, Add	*2.41*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.41*	
		For >900, Deduct	*-3.59*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	66.40	9.39
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.02*	
		For Up To 15, Add	*4.82*	
		For >15 To 33, Add	*2.41*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.48*	
		For >900, Deduct	*-3.68*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	68.68	10.34
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.26*	
		For Up To 15, Add	*5.14*	
		For >15 To 33, Add	*2.57*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.53*	
		For >900, Deduct	*-3.78*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	70.87	10.34
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.26*	
		For Up To 15, Add	*5.14*	
		For >15 To 33, Add	*2.57*	
		For >200 To 400, Deduct	*-0.90*	
		For >400 To 600, Deduct	*-1.35*	
		For >600 To 900, Deduct	*-2.64*	
		For >900, Deduct	*-3.93*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	76.27	10.34
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.26*	
		For Up To 15, Add	*5.14*	
		For >15 To 33, Add	*2.57*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.91*	
		For >900, Deduct	*-4.31*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	76.91	10.34
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.26*	
		For Up To 15, Add	*5.14*	
		For >15 To 33, Add	*2.57*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.95*	
		For >900, Deduct	*-4.35*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	79.45	10.34
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*4.26*	
		For Up To 15, Add	*5.14*	
		For >15 To 33, Add	*2.57*	
		For >200 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.61*	
		For >600 To 900, Deduct	*-3.07*	
		For >900, Deduct	*-4.53*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0049 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0050 Non-Patterned Broadloom Carpet *(09 68 16 00-0049)*

09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.51	34.51
		For Up To 15, Add	*4.60*	
		For >15 To 33, Add	*2.30*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.17*	
		For >900, Deduct	*-3.25*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.88	34.51
		For Up To 15, Add	*4.60*	
		For >15 To 33, Add	*2.30*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-2.19*	
		For >900, Deduct	*-3.27*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	60.42	34.51
		For Up To 15, Add	*4.60*	
		For >15 To 33, Add	*2.30*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.22*	
		For >900, Deduct	*-3.31*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0054	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	64.51	37.40
		For Up To 15, Add	*4.99*	
		For >15 To 33, Add	*2.49*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.19*	
		For >600 To 900, Deduct	*-2.35*	
		For >900, Deduct	*-3.52*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0055	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	66.64	37.40
		For Up To 15, Add	*4.99*	
		For >15 To 33, Add	*2.49*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.46*	
		For >900, Deduct	*-3.67*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	68.28	37.40
		For Up To 15, Add	*4.99*	
		For >15 To 33, Add	*2.49*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.54*	
		For >900, Deduct	*-3.78*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	74.45	40.27
		For Up To 15, Add	*5.37*	
		For >15 To 33, Add	*2.68*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.78*	
		For >900, Deduct	*-4.14*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	76.45	40.27
		For Up To 15, Add	*5.37*	
		For >15 To 33, Add	*2.68*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.88*	
		For >900, Deduct	*-4.28*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	78.68	40.27
		For Up To 15, Add	*5.37*	
		For >15 To 33, Add	*2.68*	
		For >200 To 400, Deduct	*-1.04*	
		For >400 To 600, Deduct	*-1.56*	
		For >600 To 900, Deduct	*-2.99*	
		For >900, Deduct	*-4.43*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0060 Patterned Broadloom Carpet *(09 68 16 00-0049)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	62.36	34.51
		For Up To 15, Add	*5.06*	
		For >15 To 33, Add	*2.53*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-2.23*	
		For >900, Deduct	*-3.35*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	62.73	34.51
		For Up To 15, Add	*5.06*	
		For >15 To 33, Add	*2.53*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.25*	
		For >900, Deduct	*-3.38*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	63.29	34.51
		For Up To 15, Add	*5.06*	
		For >15 To 33, Add	*2.53*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.28*	
		For >900, Deduct	*-3.42*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	67.60	37.40
		For Up To 15, Add	*5.49*	
		For >15 To 33, Add	*2.74*	
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.42*	
		For >900, Deduct	*-3.63*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	69.77	37.40
		For Up To 15, Add	*5.49*	
		For >15 To 33, Add	*2.74*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.53*	
		For >900, Deduct	*-3.79*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0066	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	71.43	37.40
		For Up To 15, Add	*5.49*	
		For >15 To 33, Add	*2.74*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.32*	
		For >600 To 900, Deduct	*-2.61*	
		For >900, Deduct	*-3.90*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0067	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	77.85	40.27
		For Up To 15, Add	*5.91*	
		For >15 To 33, Add	*2.95*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.86*	
		For >900, Deduct	*-4.27*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0068	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	79.89	40.27
		For Up To 15, Add	*5.91*	
		For >15 To 33, Add	*2.95*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.51*	
		For >600 To 900, Deduct	*-2.96*	
		For >900, Deduct	*-4.41*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0069	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	82.15	40.27
		For Up To 15, Add	*5.91*	
		For >15 To 33, Add	*2.95*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.58*	
		For >600 To 900, Deduct	*-3.07*	
		For >900, Deduct	*-4.57*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0070 Indoor/Outdoor Carpet *(09 68 16)*

Note: Includes waterproof glue.

09 68 16 00-0071	SY	Nylon Indoor/Outdoor Carpet	59.80	7.05
09 68 16 00-0072	SY	Ozite Indoor/Outdoor Carpet	46.12	7.05

09 68 16 00-0073 Carpet Accessories *(09 68 16)*

09 68 16 00-0074	LF	Metal Carpet Saddle Strip, Up To 4" Wide	9.83	0.96

09 68 16 00-0075 Removal And Reinstallation Of Carpet And Pad *(09 68 16)*

Note: Includes storage, cleaning and supply materials.

09 68 16 00-0076	SY	Removal And Reinstallation Of Carpet And Pad	48.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0077		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0078		Relocate Partitions, Modular Workstations *(09 68 16 00-0077)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079	EA	Relocate Modular Workstation	336.21	
09 68 16 00-0080		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0081	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	20.45	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.00*	
		For >15 To 33, Add	*2.00*	
09 68 16 00-0082	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	23.78	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.67*	
		For >15 To 33, Add	*2.34*	
09 68 16 00-0083	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	28.46	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*5.61*	
		For >15 To 33, Add	*2.80*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		Panels, No Covering *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	19.50	0.96
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	37.12	0.96
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	34.55	1.06
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	34.55	1.06
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	34.55	1.06
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	34.55	1.06
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	32.65	1.06
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	32.65	1.06
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	36.93	1.06
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	36.93	1.06
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808	36.93	1.06
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	36.93	1.06
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	35.03	1.06
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	35.03	1.06
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	44.51	1.06
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	44.51	1.06
09 69 13 00-0018		Pedestals *(09 69 13)*		
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly	40.61	4.80
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly	42.99	4.80
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly	44.18	4.80
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly	48.50	4.80
09 69 13 00-0023		Stringers *(09 69 13)*		
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors	20.11	5.77
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors	35.40	8.64
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors	55.74	14.41
09 69 13 00-0027		Understructure *(09 69 13)*		
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	8.96	1.44

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001		Accessories *(09 69 53)*		
09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	69.98	6.72
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors	27.16	6.72
09 69 53 00-0004	EA	Machine Cutouts	219.15	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia	49.88	3.17
		Note: Includes trim angles and hardware (8", 12", 18", and 24").		
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	48.83	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	48.83	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	223.81	12.01
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	155.69	12.01
		Note: Includes cut hole.		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	223.81	12.01

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0011	EA		Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	117.27	1.92
09 69 53 00-0012			Final Cleaning For Computer Room Raised Floor System *(09 69 53)*		
			Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF		Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.40	
09 69 53 00-0014	SF		Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.55	
09 69 53 00-0015	SF		Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.50	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001			Cork Wall Covering *(09 72 13)*		
09 72 13 00-0002	SF		1/8" Cork Wall Covering	6.52	1.15
09 72 13 00-0003	SF		1/4" Cork Wall Covering	7.94	1.15
09 72 13 00-0004	SF		1/2" Cork Wall Covering	9.07	1.15
09 72 13 00-0005	SF		3/4" Cork Wall Covering	12.39	1.15

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001			Vinyl Wall Coverings *(09 72 16 13)*		
			Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF		7 To 10 Oz./SY Vinyl Wall Covering	2.98	1.15
			For Owner Furnished Material, Deduct	*-1.18*	
09 72 16 13-0003	SF		11 To 14 Oz./SY Vinyl Wall Covering	3.64	1.15
			For Owner Furnished Material, Deduct	*-1.72*	
09 72 16 13-0004	SF		15 To 19 Oz./SY Vinyl Wall Covering	4.31	1.15
			For Owner Furnished Material, Deduct	*-2.15*	
09 72 16 13-0005	SF		20 To 25 Oz./SY Vinyl Wall Covering	4.88	1.15
			For Owner Furnished Material, Deduct	*-2.48*	
09 72 16 13-0006	SF		26 To 32 Oz./SY Vinyl Wall Covering	5.53	1.15
			For Owner Furnished Material, Deduct	*-3.02*	
09 72 16 13-0007	SF		33 To 38 Oz./SY Vinyl Wall Covering	6.44	1.15
			For Owner Furnished Material, Deduct	*-3.82*	

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001			Wallpaper Coverings *(09 72 23)*		
			Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF		Average Quality Wallpaper (Standard Grade)	2.60	1.54
09 72 23 00-0003	SF		High Quality Wallpaper (Designer Grade)	5.08	1.96
09 72 23 00-0004	SF		Textured Paintable Paper Installed On Ceiling	4.18	2.88

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001			Carpet Wall Covering *(09 73)*		
09 73 00 00-0002	SY		28 Ounce, Nylon Carpet Wall Covering	63.36	38.33
09 73 00 00-0003	SY		32 Ounce, Nylon Carpet Wall Covering	64.65	38.33
09 73 00 00-0004	SY		34 Ounce, Nylon Carpet Wall Covering	70.15	41.27
09 73 00 00-0005	SY		35 Ounce, Nylon Carpet Wall Covering	74.24	41.27
09 73 00 00-0006	SY		36 Ounce, Nylon Carpet Wall Covering	78.46	41.27
09 73 00 00-0007	SY		38 Ounce, Nylon Carpet Wall Covering	80.02	41.27
09 73 00 00-0008	SY		40 Ounce, Nylon Carpet Wall Covering	83.14	44.57
09 73 00 00-0009	SY		42 Ounce, Nylon Carpet Wall Covering	86.51	44.57

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

09 74 16 00-0001			Flexible Wood Veneer *(09 74 16)*		
09 74 16 00-0002	SF		1/32" Thick, Flexible Maple Wood Veneer	13.26	4.61
09 74 16 00-0003	SF		1/32" Thick, Flexible Oak Wood Veneer	13.52	4.61
09 74 16 00-0004	SF		1/32" Thick, Flexible Mahogany Wood Veneer	13.52	4.61
09 74 16 00-0005	SF		1/32" Thick, Flexible Birch Wood Veneer	13.77	4.61
09 74 16 00-0006	SF		1/32" Thick, Flexible Walnut Wood Veneer	15.04	4.61
09 74 16 00-0007	SF		1/32" Thick, Flexible Bamboo Wood Veneer	16.57	4.61
09 74 16 00-0008	SF		1/32" Thick, Flexible Fir Wood Veneer	18.35	4.61
09 74 16 00-0009			Flexible Exotic Wood Veneer *(09 74 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	22.75	4.61

09 77 Special Wall Surfacing *(09 70)*

09 77 11 Special Wall Panels *(09 77)*

09 77 11 00-0001 Corian Wall Panels *(09 77 11)*

09 77 11 00-0002 Wall Panels *(09 77 11 00-0001)*

09 77 11 00-0003	SF	1/4" Corian Wall Panels, Sea Grass	49.02	7.16
		For >500, Deduct	*3.47*	
09 77 11 00-0004	SF	1/4" Corian Wall Panels, Aqua	58.57	7.16
		For >500, Deduct	*4.42*	
09 77 11 00-0005	SF	1/4" Corian Wall Panels, Everest	62.50	7.16
		For >500, Deduct	*4.82*	

09 77 11 00-0006 Corian Corner Guards For Wall Panels *(09 77 11 00-0001)*

09 77 11 00-0007	SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	133.06	5.73
09 77 11 00-0008	SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	143.62	5.73
09 77 11 00-0009	SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	129.92	5.73

09 78 Interior Wall Paneling *(09 70)*

09 78 13 Metal Interior Wall Paneling *(09 78)*

09 78 13 00-0001 Stainless Steel Wall Base *(09 78 13)*
Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	13.55	3.23
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	19.69	3.55
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	21.83	3.55
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	26.10	3.87
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	32.51	4.29
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	15.13	3.23
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	21.19	3.55
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.30	3.55
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	27.38	3.87
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	33.81	4.29
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	36.71	6.44
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	46.21	7.09
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	49.41	7.09
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	55.83	7.73
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	65.89	8.59
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	73.34	6.44
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	82.95	7.09
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	86.04	7.09
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	92.57	7.73
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	102.63	8.59
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	36.71	6.44
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	46.21	7.09
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	49.41	7.09
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	55.83	7.73
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	65.89	8.59
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	88.07	6.44
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.58	7.09
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	100.78	7.09
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	107.20	7.73
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	117.26	8.59

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	22.69	3.23
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	38.06	3.55
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	43.53	3.55
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	53.35	3.87
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	70.74	4.29
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	24.17	3.23
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	39.49	3.55
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	44.57	3.55
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	54.83	3.87
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	70.36	4.29
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	50.37	6.44
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	73.65	7.09
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	81.77	7.09
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	96.94	7.73
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	120.78	8.59
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	87.07	6.44
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	110.35	7.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	118.62	7.09
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	133.68	7.73
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	157.41	8.59
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	50.37	6.44
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	73.65	7.09
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	81.77	7.09
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	96.94	7.73
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	120.78	8.59
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	101.74	6.44
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	125.02	7.09
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	133.31	7.09
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	148.38	7.73
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	172.15	8.59

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.40	0.43
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.57	0.43
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.81	0.43
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.00	0.43
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.24	0.43
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.47	0.43
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.78	0.43
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	4.13	0.43

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.36	0.43

09 81 16 00-0013 Sound Attenuation Batts *(09 81 16)*
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.97	0.57
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.16	0.57
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.32	0.57
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.71	0.57
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.83	0.57
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.80	0.57
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.94	0.57

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.92	2.86
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	21.98	2.86

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*
See CSI section 06 11 16 00-0211 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*
Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	16.44	3.22
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	15.26	3.22
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.99	3.22
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	19.02	3.22
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.91	3.22
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.91	3.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0012		Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	19.04	3.22
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	22.12	3.22
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	22.12	3.22
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	25.19	3.22
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	25.19	3.22
09 84 13 00-0018		Sound Absorbing Panel, Eggcrate Style *(09 84 13)*		
		Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF	2" Thick (Eggcrate Style) Polyurethane Sound Wave	15.67	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick (Eggcrate Style) Polyurethane Sound Wave	21.24	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick (Eggcrate Style) Polyurethane Sound Wave	28.46	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0022	SF	2" Thick (Eggcrate Style) Melamine Sound Wave	21.25	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0023	SF	3" Thick (Eggcrate Style) Melamine Sound Wave	30.06	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick (Eggcrate Style) Melamine Sound Wave	38.02	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0025		Sound Deadening Fiberboard *(09 84 13)*		
09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	1.78	0.72
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.37*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0001		Paint Exterior Walls/Siding *(09 91 13)*		
09 91 13 00-0002		Paint Exterior Brick Walls *(09 91 13 00-0001)*		
09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.31	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.87	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.74	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.49	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	2.23	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.88	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.84	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.28	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0020	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0021	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0023	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.21	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.28	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.59	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.81	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	3.19	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.31	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.45	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.60	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	1.03	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	2.21	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.71	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	3.14	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.90	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0042	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0043	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.54	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0045	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.65	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0046	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.69	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.43	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	2.28	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.70	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
		For Epoxy Paint, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.31	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.22*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.43	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.57	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.85	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	1.06	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.22	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.30	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.87	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.89	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.43	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.57	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.84	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.19	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.33	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.53	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.89	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	16.82	
		For Work >15' To 20' Above Floor, Add	*2.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.63*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*11.23*	
		For >100 To 250, Add	*5.31*	
		For >250 To 500, Add	*2.29*	
		For >2,500 To 5,000, Deduct	*-0.84*	
		For >5,000 To 10,000, Deduct	*-1.68*	
		For >10,000 To 20,000, Deduct	*-2.52*	
		For >20,000, Deduct	*-3.36*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	18.73	
		For Work >15' To 20' Above Floor, Add	*2.42*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*6.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*8.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*12.49*	
		For >100 To 250, Add	*5.91*	
		For >250 To 500, Add	*2.55*	
		For >2,500 To 5,000, Deduct	*-0.94*	
		For >5,000 To 10,000, Deduct	*-1.87*	
		For >10,000 To 20,000, Deduct	*-2.81*	
		For >20,000, Deduct	*-3.75*	
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	34.94	
		For Work >15' To 20' Above Floor, Add	*4.55*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.58*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*12.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*16.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*23.43*	
		For >100 To 250, Add	*11.07*	
		For >250 To 500, Add	*4.78*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000 To 10,000, Deduct	*-3.49*	
		For >10,000 To 20,000, Deduct	*-5.24*	
		For >20,000, Deduct	*-6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.39	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.35	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.35	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.91	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	2.10	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.91	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.51*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.52*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.78*	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.65	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	3.04	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 13 00-0098	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	1.04	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0099	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.26	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0100	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.43	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.49*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0103	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.62	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	3.05	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0109	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.63	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 91 13 00-0110	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0111	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0112	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.91	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113		Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.16	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.14	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.95	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.79*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.96	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.10	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	3.92	
		For Oil Based Paint, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.78*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.36	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.52	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.88	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.35	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.50	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	2.11	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0131	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0132	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.14	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0133	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.22	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0134		Paint Exterior Ceilings *(09 91 13)*		
09 91 13 00-0135		Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*		
09 91 13 00-0136	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0137	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	2.44	
		For Oil Based Paint, Add	*0.14*	
		For Epoxy Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	2.01	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.47	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 13 00-0146 Paint Exterior Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.19*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.44	
		For Oil Based Paint, Add	*0.14*	
		For Orange Peel Finish, Add	*0.34*	
		For Epoxy Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	2.01	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.28*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0154	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0155	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.48	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
		For Epoxy Paint, Add	*0.22*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.57	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.61	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.94	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.38	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.45	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.73	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0169		Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*		
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	2.34	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.35	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	4.11	
		For Oil Based Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 20,000, Deduct	*-0.62*	
		For >20,000, Deduct	*-0.82*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.10	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.26	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	4.06	
		For Oil Based Paint, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.27*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 20,000, Deduct	*-0.61*	
		For >20,000, Deduct	*-0.81*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.51	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	3.04	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.57	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.71	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	3.14	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.20	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.36	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.41	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.26	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	2.05	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.57	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.71	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	3.14	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.33	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.49	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.67	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.05	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.23	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.39	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.55	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	

09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.17	
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	2.01	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.22*	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.20*	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.31	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.22*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0216	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.42	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.66	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.57*	
		For >10,000 To 20,000, Deduct	*-0.85*	
		For >20,000, Deduct	*-1.13*	
09 91 13 00-0218	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	7.02	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.42*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 20,000, Deduct	*-1.05*	
		For >20,000, Deduct	*-1.40*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.22	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.49	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	2.01	
		For Oil Based Paint, Add	*0.14*	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.57	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.56	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	7.16	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.72*	
		For >10,000 To 20,000, Deduct	*-1.07*	
		For >20,000, Deduct	*-1.43*	
09 91 13 00-0232		**Paint Exterior Doors And Windows** *(09 91 13)*		
09 91 13 00-0233		**Paint Exterior Door Frames** *(09 91 13 00-0232)*		
09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.57	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.42*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.04	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.54*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	3.45	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.91*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.58	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.42*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.05	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.54*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	3.46	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.91*	
09 91 13 00-0240		**Paint Exterior Metal Doors** *(09 91 13 00-0232)*		
09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	69.61	
		Note: One face		
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For Electrostatic Painting, Add	*11.06*	
		For >5 To 10, Deduct	*-3.48*	
		For >10 To 25, Deduct	*-6.96*	
		For >25, Deduct	*-10.44*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	69.61	
		Note: One face		
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For Electrostatic Painting, Add	*11.06*	
		For >5 To 10, Deduct	*-3.48*	
		For >10 To 25, Deduct	*-6.96*	
		For >25, Deduct	*-10.44*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	125.75	
		Note: One face		
		For Half Louvered Door, Add	*10.72*	
		For Full Louvered Door, Add	*17.87*	
		For Electrostatic Painting, Add	*20.71*	
		For >5 To 10, Deduct	*-6.29*	
		For >10 To 25, Deduct	*-12.58*	
		For >25, Deduct	*-18.86*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	124.96	
		Note: Both faces		
		For Half Louvered Door, Add	*11.38*	
		For Full Louvered Door, Add	*18.97*	
		For Electrostatic Painting, Add	*19.86*	
		For >5 To 10, Deduct	*-6.25*	
		For >10 To 25, Deduct	*-12.50*	
		For >25, Deduct	*-18.74*	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	124.96	
		Note: Both faces		
		For Half Louvered Door, Add	*11.38*	
		For Full Louvered Door, Add	*18.97*	
		For Electrostatic Painting, Add	*19.86*	
		For >5 To 10, Deduct	*-6.25*	
		For >10 To 25, Deduct	*-12.50*	
		For >25, Deduct	*-18.74*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	226.51	
		Note: Both faces		
		For Half Louvered Door, Add	*19.26*	
		For Full Louvered Door, Add	*32.10*	
		For Electrostatic Painting, Add	*37.37*	
		For >5 To 10, Deduct	*-11.33*	
		For >10 To 25, Deduct	*-22.65*	
		For >25, Deduct	*-33.98*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	61.28	
		Note: One face		
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For Electrostatic Painting, Add	*10.63*	
		For >5 To 10, Deduct	*-3.06*	
		For >10 To 25, Deduct	*-6.13*	
		For >25, Deduct	*-9.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	61.28	
		Note: One face		
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For Electrostatic Painting, Add	*10.63*	
		For >5 To 10, Deduct	*-3.06*	
		For >10 To 25, Deduct	*-6.13*	
		For >25, Deduct	*-9.19*	
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	112.47	
		Note: One face		
		For Half Louvered Door, Add	*7.92*	
		For Full Louvered Door, Add	*13.20*	
		For Electrostatic Painting, Add	*20.20*	
		For >5 To 10, Deduct	*-5.62*	
		For >10 To 25, Deduct	*-11.25*	
		For >25, Deduct	*-16.87*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	110.00	
		Note: Both faces		
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For Electrostatic Painting, Add	*19.10*	
		For >5 To 10, Deduct	*-5.50*	
		For >10 To 25, Deduct	*-11.00*	
		For >25, Deduct	*-16.50*	
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	110.00	
		Note: Both faces		
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For Electrostatic Painting, Add	*19.10*	
		For >5 To 10, Deduct	*-5.50*	
		For >10 To 25, Deduct	*-11.00*	
		For >25, Deduct	*-16.50*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	202.77	
		Note: Both faces		
		For Half Louvered Door, Add	*14.22*	
		For Full Louvered Door, Add	*23.71*	
		For Electrostatic Painting, Add	*36.47*	
		For >5 To 10, Deduct	*-10.14*	
		For >10 To 25, Deduct	*-20.28*	
		For >25, Deduct	*-30.42*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.36	
		For Electrostatic Painting, Add	*0.41*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.54	
		For Electrostatic Painting, Add	*0.45*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	7.23	
		For Electrostatic Painting, Add	*0.90*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.39	
		For Electrostatic Painting, Add	*0.41*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.57	
		For Electrostatic Painting, Add	*0.45*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.92	
		For Electrostatic Painting, Add	*0.87*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	65.87	
		Note: One face		
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For >5 To 10, Deduct	*-3.29*	
		For >10 To 25, Deduct	*-6.59*	
		For >25, Deduct	*-9.88*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	65.87	
		Note: One face		
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For >5 To 10, Deduct	*-3.29*	
		For >10 To 25, Deduct	*-6.59*	
		For >25, Deduct	*-9.88*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	118.31	
		Note: One face		
		For Half Louvered Door, Add	*10.72*	
		For Full Louvered Door, Add	*17.87*	
		For >5 To 10, Deduct	*-5.92*	
		For >10 To 25, Deduct	*-11.83*	
		For >25, Deduct	*-17.75*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	118.23	
		Note: Both faces		
		For Half Louvered Door, Add	*11.38*	
		For Full Louvered Door, Add	*18.97*	
		For >5 To 10, Deduct	*-5.91*	
		For >10 To 25, Deduct	*-11.82*	
		For >25, Deduct	*-17.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	118.23	
		For Half Louvered Door, Add	*11.38*	
		For Full Louvered Door, Add	*18.97*	
		For >5 To 10, Deduct	*-5.91*	
		For >10 To 25, Deduct	*-11.82*	
		For >25, Deduct	*-17.73*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door Note: Both faces	213.05	
		For Half Louvered Door, Add	*19.26*	
		For Full Louvered Door, Add	*32.10*	
		For >5 To 10, Deduct	*-10.65*	
		For >10 To 25, Deduct	*-21.31*	
		For >25, Deduct	*-31.96*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: One face	57.16	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.57*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: One face	57.16	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.72*	
		For >25, Deduct	*-8.57*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: One face	104.30	
		For Half Louvered Door, Add	*7.92*	
		For Full Louvered Door, Add	*13.20*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.43*	
		For >25, Deduct	*-15.65*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: Both faces	102.60	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For >5 To 10, Deduct	*-5.13*	
		For >10 To 25, Deduct	*-10.26*	
		For >25, Deduct	*-15.39*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	102.60	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For >5 To 10, Deduct	*-5.13*	
		For >10 To 25, Deduct	*-10.26*	
		For >25, Deduct	*-15.39*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	187.96	
		For Half Louvered Door, Add	*14.22*	
		For Full Louvered Door, Add	*23.71*	
		For >5 To 10, Deduct	*-9.40*	
		For >10 To 25, Deduct	*-18.80*	
		For >25, Deduct	*-28.19*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.32	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.45	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	7.08	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.33	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.48	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.76	
09 91 13 00-0278		**Paint Exterior Metal Windows** *(09 91 13 00-0232)* Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	112.99	
		For Electrostatic Painting, Add	*14.02*	
		For >5 To 10, Deduct	*-5.65*	
		For >10 To 25, Deduct	*-11.30*	
		For >25, Deduct	*-16.95*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	137.47	
		For Electrostatic Painting, Add	*17.95*	
		For >5 To 10, Deduct	*-6.87*	
		For >10 To 25, Deduct	*-13.75*	
		For >25, Deduct	*-20.62*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	185.74	
		For Electrostatic Painting, Add	*24.54*	
		For >5 To 10, Deduct	*-9.29*	
		For >10 To 25, Deduct	*-18.57*	
		For >25, Deduct	*-27.86*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	209.18	
		For Electrostatic Painting, Add	*27.67*	
		For >5 To 10, Deduct	*-10.46*	
		For >10 To 25, Deduct	*-20.92*	
		For >25, Deduct	*-31.38*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	231.92	
		For Electrostatic Painting, Add	*30.62*	
		For >5 To 10, Deduct	*-11.60*	
		For >10 To 25, Deduct	*-23.19*	
		For >25, Deduct	*-34.79*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	7.36	
		For Electrostatic Painting, Add	*0.97*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	110.50	
		For >5 To 10, Deduct	*-5.53*	
		For >10 To 25, Deduct	*-11.05*	
		For >25, Deduct	*-16.58*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	133.63	
		For >5 To 10, Deduct	*-6.68*	
		For >10 To 25, Deduct	*-13.36*	
		For >25, Deduct	*-20.04*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	180.28	
		For >5 To 10, Deduct	*-9.01*	
		For >10 To 25, Deduct	*-18.03*	
		For >25, Deduct	*-27.04*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	203.01	
		For >5 To 10, Deduct	*-10.15*	
		For >10 To 25, Deduct	*-20.30*	
		For >25, Deduct	*-30.45*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	225.13	
		For >5 To 10, Deduct	*-11.26*	
		For >10 To 25, Deduct	*-22.51*	
		For >25, Deduct	*-33.77*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	7.51	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.91	
		For Electrostatic Painting, Add	*0.25*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.95	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	3.23	
		For Electrostatic Painting, Add	*0.40*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.91	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.95	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	3.23	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.77	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.77	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.87	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.01	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.01	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	3.36	

09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.56	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	4.70	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.51*	

09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.12	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.95	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 91 13 00-0314		**Paint Fascia Board** *(09 91 13 00-0307)*		
09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	1.05	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	1.05	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.83	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0318		**Paint Soffit** *(09 91 13 00-0307)*		
09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.25	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.25	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	2.13	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 91 13 00-0322		**Acrylic Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0323	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.49	
09 91 13 00-0324		**Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0325	SF	1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	4.08	
09 91 13 00-0326		**Paint Metal Surfaces** *(09 91 13)* Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0327		**Paint Structural Steel** *(09 91 13 00-0326)*		
09 91 13 00-0328		**Paint Structural Steel, Brush Work** *(09 91 13 00-0327)*		
09 91 13 00-0329	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.33	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0330	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.18	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0331		**Paint Structural Steel, Spray Work** *(09 91 13 00-0327)*		
09 91 13 00-0332	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.93	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0333	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.77	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0334		**Paint Metal Decking, Beams And Bar Joist** *(09 91 13 00-0327)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0335	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	1.05	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0336	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	1.05	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0337	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.76	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0338	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.63	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0339	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.59	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0340	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.99	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0341	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.29	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0342	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.29	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.19	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0344		**Paint Steel Pipes** *(09 91 13 00-0326)*		
		Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.22	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.48	
		For Electrostatic Painting, Add	*0.32*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.81	
		For Electrostatic Painting, Add	*0.36*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	3.51	
		For Electrostatic Painting, Add	*0.45*	
		For Epoxy Paint, Add	*0.37*	
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	4.44	
		For Electrostatic Painting, Add	*0.56*	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0350	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.22	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.48	
		For Electrostatic Painting, Add	*0.32*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.81	
		For Electrostatic Painting, Add	*0.36*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	3.51	
		For Electrostatic Painting, Add	*0.45*	
		For Epoxy Paint, Add	*0.37*	
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	4.44	
		For Electrostatic Painting, Add	*0.56*	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	4.52	
		For Electrostatic Painting, Add	*0.61*	
		For Epoxy Paint, Add	*0.54*	
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.98	
		For Electrostatic Painting, Add	*0.64*	
		For Epoxy Paint, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.38	
		For Electrostatic Painting, Add	*0.69*	
		For Epoxy Paint, Add	*0.58*	
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	6.80	
		For Electrostatic Painting, Add	*0.87*	
		For Epoxy Paint, Add	*0.72*	
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	8.38	
		For Electrostatic Painting, Add	*1.08*	
		For Epoxy Paint, Add	*0.91*	
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.91	
		For Electrostatic Painting, Add	*1.15*	
		For Epoxy Paint, Add	*0.67*	

09 91 13 00-0361 Paint Metal Louvers *(09 91 13 00-0326)*

09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.81	
		For Electrostatic Painting, Add	*0.22*	
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.85	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.80	
		For Electrostatic Painting, Add	*0.47*	

09 91 13 00-0365 Paint Ladders *(09 91 13 00-0326)*

09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.98	
		For Epoxy Paint, Add	*0.31*	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	5.56	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	10.96	
		For Epoxy Paint, Add	*0.63*	

09 91 13 00-0369 Paint Handrails *(09 91 13 00-0326)*

09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.99	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.20	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	3.62	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.66	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.99	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	6.83	
		For Epoxy Paint, Add	*0.76*	
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.93	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	4.29	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	7.24	
		For Epoxy Paint, Add	*0.78*	
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	2.19	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.40	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	4.39	
		For Epoxy Paint, Add	*0.50*	

09 91 13 00-0382 Paint Grating *(09 91 13 00-0326)*

09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	3.62	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	3.69	
		For Epoxy Paint, Add	*0.27*	
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	5.56	
		For Epoxy Paint, Add	*0.44*	

09 91 13 00-0386 Equipment And Tanks *(09 91 13 00-0326)*

09 91 13 00-0387 Paint Valves *(09 91 13 00-0386)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0388	EA	Prime And Paint 4" Diameter And Smaller Valve	37.84
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Diameter Valve	46.43
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Diameter Valve	61.05
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Diameter Valve	81.70
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Diameter Valve	110.95
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Diameter Valve	151.34

09 91 13 00-0394 Paint Pumps And Motors *(09 91 13 00-0386)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	116.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	153.01	
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	183.92	
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	206.24	
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	240.61	
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	274.98	
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	303.33	
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	343.74	

09 91 13 00-0403 Paint Storage Tanks *(09 91 13 00-0386)*

09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.47	
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.93	
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.68	
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.97	
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.49	
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.78	
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.48	
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.82	
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.54	
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.70	
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.23	
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.32	

09 91 13 00-0416 Other Site Work Painting *(09 91 13)*

09 91 13 00-0417 Paint Fencing *(09 91 13 00-0416)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	1.11	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	2.09	
		For Epoxy Paint, Add	*0.24*	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.94	
		For Epoxy Paint, Add	*0.13*	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.75	
		For Epoxy Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.26*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	1.02	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.96	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.70	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.32	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.32	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.94	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.98	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0429	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.77	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
09 91 13 00-0430	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.74	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0431	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.38	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	

09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0416)*

09 91 13 00-0433	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.94	
09 91 13 00-0434	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.96	
09 91 13 00-0435	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	7.03	
09 91 13 00-0436	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.29	
09 91 13 00-0437	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.31	
09 91 13 00-0438	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	4.29	

09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0416)*

09 91 13 00-0440	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.86	
09 91 13 00-0441	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.88	
09 91 13 00-0442	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	8.68	
09 91 13 00-0443	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.78	
09 91 13 00-0444	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.80	
09 91 13 00-0445	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	5.19	

09 91 13 00-0446 Paint Flagpoles *(09 91 13 00-0416)*

09 91 13 00-0447	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	246.81	
09 91 13 00-0448	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	333.09	
09 91 13 00-0449	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	419.44	
09 91 13 00-0450	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	505.79	
09 91 13 00-0451	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	667.41	
09 91 13 00-0452	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	752.37	
09 91 13 00-0453	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	837.34	

09 91 13 00-0454 Paint Lattice Or Trellis *(09 91 13 00-0416)*

09 91 13 00-0455	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.80	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.35	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.45*	

09 91 13 00-0457 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0458 Paint Exterior Concrete Stairs *(09 91 13 00-0457)*

09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	21.65	
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	21.65	
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	27.97	
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	46.39	
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	43.32	

09 91 13 00-0464 Paint Exterior Metal Stairs *(09 91 13 00-0457)*

09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	11.40	
		For Oil Based Paint, Add	*0.62*	
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	11.40	
		For Oil Based Paint, Add	*0.62*	
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	22.78	
		For Oil Based Paint, Add	*1.24*	

09 91 13 00-0468 Paint Exterior Wood Stairs *(09 91 13 00-0457)*

09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	11.26	
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	11.25	
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	17.57	
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	35.99	
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	22.51	

09 91 13 00-0474 Paint Exterior Stair Nosing *(09 91 13 00-0457)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	2.15	

09 91 13 00-0476 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0477 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0476)*

09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.48	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.61	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.93	
		For Work >15' To 20' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.33*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.34	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.46	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.63	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.16*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.33	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.96	
		For Work >15' To 20' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.60*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0486 Paint Exterior Wood Trim *(09 91 13 00-0476)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.19	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.38	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.32	
		For Oil Based Paint, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.55*	
		For >2,500 To 5,000, Deduct	*-0.22*	
		For >5,000 To 10,000, Deduct	*-0.43*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.86*	
09 91 13 00-0490	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.75	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0491	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.94	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0492	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.62	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 20,000, Deduct	*-0.54*	
		For >20,000, Deduct	*-0.72*	
09 91 13 00-0493	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.36	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0494	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.52	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0495	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.88	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	

09 91 13 00-0496 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0497	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.77	
		For Epoxy Paint, Add	*0.21*	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0498	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.64	
		For Epoxy Paint, Add	*0.16*	
		For Electrostatic Painting, Add	*0.20*	
09 91 13 00-0499	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	3.32	
		For Epoxy Paint, Add	*0.34*	
		For Electrostatic Painting, Add	*0.42*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0001		Paint Interior Walls *(09 91 23)*		
09 91 23 00-0002		Paint Interior Brick Walls *(09 91 23 00-0001)*		
09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.26	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.80	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.35	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	1.01	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.74	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.41	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.15	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	2.33	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.94	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.35	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	1.19	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.77	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.20	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.60	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.85	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	3.30	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.66*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.31	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.45	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.72	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.99	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	2.21	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.29	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	3.19	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.96	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.65	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.67	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.93	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0056		**Paint Interior Concrete Block Walls With Bonding Agent** *(09 91 23 00-0030)*		
09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.54	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.30	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.08	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0060		**Paint Interior Plaster/Drywall Walls** *(09 91 23 00-0001)*		
09 91 23 00-0061		**Paint Interior Plaster/Drywall Walls** *(09 91 23 00-0060)*		
09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	2.34	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.33*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.09	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.94	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.27*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.35	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.27	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.45	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.64	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.94	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.73	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.93	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0082 Paint Interior Galvanized Walls *(09 91 23 00-0081)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.54	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.70	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	3.08	
		For Electrostatic Painting, Add	*0.43*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.62*	
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	1.14	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.33	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.47	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.91	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.99	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*

Note: Alkyd enamel paint.

09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.54	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.70	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	3.07	
		For Electrostatic Painting, Add	*0.43*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.27	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.44	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.70	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.01	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.99	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.12	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.48	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.49	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.37	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	2.00	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.20	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.88	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.58*	
		For >20,000, Deduct	*-0.78*	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0113	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	3.12	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.41	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.25	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.74	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.83*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	2.13	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.66	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*

Note: Includes grid.

09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.38	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.45	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.58	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.13	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	2.08	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.23	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.45	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0144	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.57	
		For Oil Based Paint, Add	*0.14*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0145	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0146	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.13	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0147	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	2.09	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0148	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.45	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.35	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.93	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

09 91 23 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.23	
		For Epoxy Paint, Add	*0.02*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0156	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.33	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0157	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.45	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0158	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.58	
		For Epoxy Paint, Add	*0.22*	
		For Oil Based Paint, Add	*0.14*	
		For Orange Peel Finish, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.14	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.13	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	2.08	
		For Epoxy Paint, Add	*0.19*	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.93	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0163	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.91	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0164	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.46	
		For Epoxy Paint, Add	*0.19*	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.70	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.86	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	3.39	
		For Electrostatic Painting, Add	*0.46*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.31	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.47	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.71	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.18	
		For Electrostatic Painting, Add	*0.36*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.70	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.86	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	3.39	
		For Electrostatic Painting, Add	*0.46*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.44	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.60	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	3.01	
		For Electrostatic Painting, Add	*0.44*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.18	
		For Electrostatic Painting, Add	*0.36*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.36	
		For Electrostatic Painting, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.73	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.56	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.80	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.92	
		For Electrostatic Painting, Add	*0.48*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.61	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	3.05	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.61	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.71	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.77	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.83	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	3.34	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.67*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.61	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.86	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 23 00-0215 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0216 Paint Interior Concrete Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.18	
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0218	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0219	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.12	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0220	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.20	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.20*	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0221	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0222	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0223	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0224	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0225	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0226	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	1.03	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0228	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.01	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.76	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.67	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.27	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.73*	
		For >10,000 To 20,000, Deduct	*-1.09*	
		For >20,000, Deduct	*-1.45*	

09 91 23 00-0232 Paint Interior Wood Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0233	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.23	
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0234	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0235	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0236	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	2.55	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0237	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0238	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	2.13	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0240	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0241	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0242	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0243	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.67	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0244	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	7.27	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.73*	
		For >10,000 To 20,000, Deduct	*-1.09*	
		For >20,000, Deduct	*-1.45*	

09 91 23 00-0245 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0246 Paint Interior Door Frames *(09 91 23 00-0245)*

09 91 23 00-0247	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.53	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.40*	
09 91 23 00-0248	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	2.00	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.52*	
09 91 23 00-0249	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	3.37	
		For Oil Based Paint, Add	*0.18*	
		For Painting One Face Of Frame Only, Deduct	*-0.88*	
09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.58	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.42*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.05	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.54*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	3.46	
		For Oil Based Paint, Add	*0.19*	
		For Painting One Face Of Frame Only, Deduct	*-0.91*	

09 91 23 00-0253 Paint Interior Metal Doors *(09 91 23 00-0245)*

09 91 23 00-0254	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	74.32	
		For Electrostatic Painting, Add	*11.53*	
		For Half Louvered Door, Add	*7.05*	
		For Full Louvered Door, Add	*11.76*	
		For Oil Based Paint, Add	*5.08*	
		For >5 To 10, Deduct	*-3.72*	
		For >10 To 25, Deduct	*-7.43*	
		For >25, Deduct	*-11.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0255	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	74.32	
		For Electrostatic Painting, Add	*11.53*	
		For Half Louvered Door, Add	*7.05*	
		For Full Louvered Door, Add	*11.76*	
		For Oil Based Paint, Add	*5.08*	
		For >5 To 10, Deduct	*-3.72*	
		For >10 To 25, Deduct	*-7.43*	
		For >25, Deduct	*-11.15*	
09 91 23 00-0256	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	133.68	
		For Electrostatic Painting, Add	*21.51*	
		For Half Louvered Door, Add	*11.91*	
		For Full Louvered Door, Add	*19.86*	
		For Oil Based Paint, Add	*9.40*	
		For >5 To 10, Deduct	*-6.68*	
		For >10 To 25, Deduct	*-13.37*	
		For >25, Deduct	*-20.05*	
09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	133.37	
		For Electrostatic Painting, Add	*20.70*	
		For Half Louvered Door, Add	*12.65*	
		For Full Louvered Door, Add	*21.08*	
		For Oil Based Paint, Add	*9.12*	
		For >5 To 10, Deduct	*-6.67*	
		For >10 To 25, Deduct	*-13.34*	
		For >25, Deduct	*-20.01*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	133.38	
		For Electrostatic Painting, Add	*20.70*	
		For Half Louvered Door, Add	*12.65*	
		For Full Louvered Door, Add	*21.08*	
		For Oil Based Paint, Add	*9.12*	
		For >5 To 10, Deduct	*-6.67*	
		For >10 To 25, Deduct	*-13.34*	
		For >25, Deduct	*-20.01*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	240.78	
		For Electrostatic Painting, Add	*38.80*	
		For Half Louvered Door, Add	*21.40*	
		For Full Louvered Door, Add	*35.66*	
		For Oil Based Paint, Add	*16.95*	
		For >5 To 10, Deduct	*-12.04*	
		For >10 To 25, Deduct	*-24.08*	
		For >25, Deduct	*-36.12*	
09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	61.28	
		For Electrostatic Painting, Add	*10.63*	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For Oil Based Paint, Add	*4.57*	
		For >5 To 10, Deduct	*-3.06*	
		For >10 To 25, Deduct	*-6.13*	
		For >25, Deduct	*-9.19*	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	61.28	
		For Electrostatic Painting, Add	*10.63*	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For Oil Based Paint, Add	*4.57*	
		For >5 To 10, Deduct	*-3.06*	
		For >10 To 25, Deduct	*-6.13*	
		For >25, Deduct	*-9.19*	
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	112.47	
		For Electrostatic Painting, Add	*20.20*	
		For Half Louvered Door, Add	*7.92*	
		For Full Louvered Door, Add	*13.20*	
		For Oil Based Paint, Add	*8.61*	
		For >5 To 10, Deduct	*-5.62*	
		For >10 To 25, Deduct	*-11.25*	
		For >25, Deduct	*-16.87*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	110.00	
		For Electrostatic Painting, Add	*19.10*	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For Oil Based Paint, Add	*8.20*	
		For >5 To 10, Deduct	*-5.50*	
		For >10 To 25, Deduct	*-11.00*	
		For >25, Deduct	*-16.50*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	110.00	
		For Electrostatic Painting, Add	*19.10*	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For Oil Based Paint, Add	*8.20*	
		For >5 To 10, Deduct	*-5.50*	
		For >10 To 25, Deduct	*-11.00*	
		For >25, Deduct	*-16.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	202.77	
		For Electrostatic Painting, Add	*36.47*	
		For Half Louvered Door, Add	*14.22*	
		For Full Louvered Door, Add	*23.71*	
		For Oil Based Paint, Add	*15.54*	
		For >5 To 10, Deduct	*-10.14*	
		For >10 To 25, Deduct	*-20.28*	
		For >25, Deduct	*-30.42*	

09 91 23 00-0266 Paint Interior Wood Doors *(09 91 23 00-0245)*

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	64.76	
		For Oil Based Paint, Add	*4.13*	
		For Half Louvered Door, Add	*7.05*	
		For Full Louvered Door, Add	*11.76*	
		For >5 To 10, Deduct	*-3.24*	
		For >10 To 25, Deduct	*-6.48*	
		For >25, Deduct	*-9.71*	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	64.76	
		For Oil Based Paint, Add	*4.13*	
		For Half Louvered Door, Add	*7.05*	
		For Full Louvered Door, Add	*11.76*	
		For >5 To 10, Deduct	*-3.24*	
		For >10 To 25, Deduct	*-6.48*	
		For >25, Deduct	*-9.71*	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	114.67	
		For Oil Based Paint, Add	*7.50*	
		For Half Louvered Door, Add	*11.91*	
		For Full Louvered Door, Add	*19.86*	
		For >5 To 10, Deduct	*-5.73*	
		For >10 To 25, Deduct	*-11.47*	
		For >25, Deduct	*-17.20*	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	116.19	
		For Oil Based Paint, Add	*7.40*	
		For Half Louvered Door, Add	*12.65*	
		For Full Louvered Door, Add	*21.08*	
		For >5 To 10, Deduct	*-5.81*	
		For >10 To 25, Deduct	*-11.62*	
		For >25, Deduct	*-17.43*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	116.19	
		For Oil Based Paint, Add	*7.40*	
		For Half Louvered Door, Add	*12.65*	
		For Full Louvered Door, Add	*21.08*	
		For >5 To 10, Deduct	*-5.81*	
		For >10 To 25, Deduct	*-11.62*	
		For >25, Deduct	*-17.43*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	206.40	
		For Oil Based Paint, Add	*13.51*	
		For Half Louvered Door, Add	*21.40*	
		For Full Louvered Door, Add	*35.66*	
		For >5 To 10, Deduct	*-10.32*	
		For >10 To 25, Deduct	*-20.64*	
		For >25, Deduct	*-30.96*	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	50.76	
		For Oil Based Paint, Add	*3.51*	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For >5 To 10, Deduct	*-2.54*	
		For >10 To 25, Deduct	*-5.08*	
		For >25, Deduct	*-7.61*	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	50.76	
		For Oil Based Paint, Add	*3.51*	
		For Half Louvered Door, Add	*4.69*	
		For Full Louvered Door, Add	*7.81*	
		For >5 To 10, Deduct	*-2.54*	
		For >10 To 25, Deduct	*-5.08*	
		For >25, Deduct	*-7.61*	
09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	91.58	
		For Oil Based Paint, Add	*6.52*	
		For Half Louvered Door, Add	*7.92*	
		For Full Louvered Door, Add	*13.20*	
		For >5 To 10, Deduct	*-4.58*	
		For >10 To 25, Deduct	*-9.16*	
		For >25, Deduct	*-13.74*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	91.09	
		For Oil Based Paint, Add	*6.31*	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For >5 To 10, Deduct	*-4.55*	
		For >10 To 25, Deduct	*-9.11*	
		For >25, Deduct	*-13.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	91.09	
		For Oil Based Paint, Add	*6.31*	
		For Half Louvered Door, Add	*8.40*	
		For Full Louvered Door, Add	*14.01*	
		For >5 To 10, Deduct	*-4.55*	
		For >10 To 25, Deduct	*-9.11*	
		For >25, Deduct	*-13.66*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	164.95	
		For Oil Based Paint, Add	*11.75*	
		For Half Louvered Door, Add	*14.22*	
		For Full Louvered Door, Add	*23.71*	
		For >5 To 10, Deduct	*-8.25*	
		For >10 To 25, Deduct	*-16.50*	
		For >25, Deduct	*-24.74*	
09 91 23 00-0279		**Paint Interior Metal Windows** *(09 91 23 00-0245)*		
		Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	123.53	
		For Oil Based Paint, Add	*7.08*	
		For Electrostatic Painting, Add	*15.07*	
		For >5 To 10, Deduct	*-6.18*	
		For >10 To 25, Deduct	*-12.35*	
		For >25, Deduct	*-18.53*	
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	149.63	
		For Oil Based Paint, Add	*8.88*	
		For Electrostatic Painting, Add	*19.17*	
		For >5 To 10, Deduct	*-7.48*	
		For >10 To 25, Deduct	*-14.96*	
		For >25, Deduct	*-22.44*	
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	201.96	
		For Oil Based Paint, Add	*12.09*	
		For Electrostatic Painting, Add	*26.17*	
		For >5 To 10, Deduct	*-10.10*	
		For >10 To 25, Deduct	*-20.20*	
		For >25, Deduct	*-30.29*	
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	227.43	
		For Oil Based Paint, Add	*13.62*	
		For Electrostatic Painting, Add	*29.49*	
		For >5 To 10, Deduct	*-11.37*	
		For >10 To 25, Deduct	*-22.74*	
		For >25, Deduct	*-34.11*	
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	252.19	
		For Oil Based Paint, Add	*15.08*	
		For Electrostatic Painting, Add	*32.64*	
		For >5 To 10, Deduct	*-12.61*	
		For >10 To 25, Deduct	*-25.22*	
		For >25, Deduct	*-37.83*	
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	8.00	
		For Oil Based Paint, Add	*0.48*	
		For Electrostatic Painting, Add	*1.03*	
09 91 23 00-0286		**Paint Interior Wood Windows** *(09 91 23 00-0245)*		
		Note: Two finish coats paint over primer.		
09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	117.18	
		For Oil Based Paint, Add	*6.45*	
		For >5 To 10, Deduct	*-5.86*	
		For >10 To 25, Deduct	*-11.72*	
		For >25, Deduct	*-17.58*	
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	139.81	
		For Oil Based Paint, Add	*7.90*	
		For >5 To 10, Deduct	*-6.99*	
		For >10 To 25, Deduct	*-13.98*	
		For >25, Deduct	*-20.97*	
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	193.29	
		For Oil Based Paint, Add	*10.96*	
		For >5 To 10, Deduct	*-9.66*	
		For >10 To 25, Deduct	*-19.33*	
		For >25, Deduct	*-28.99*	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	217.63	
		For Oil Based Paint, Add	*12.34*	
		For >5 To 10, Deduct	*-10.88*	
		For >10 To 25, Deduct	*-21.76*	
		For >25, Deduct	*-32.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	234.85	
		For Oil Based Paint, Add	*13.35*	
		For >5 To 10, Deduct	*-11.74*	
		For >10 To 25, Deduct	*-23.49*	
		For >25, Deduct	*-35.23*	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	7.86	
		For Oil Based Paint, Add	*0.44*	

09 91 23 00-0293 Paint Interior Security Screens *(09 91 23 00-0245)*

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.91	
		For Oil Based Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.25*	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.95	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.24*	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	3.23	
		For Oil Based Paint, Add	*0.19*	
		For Electrostatic Painting, Add	*0.40*	

09 91 23 00-0297 Paint Interior Window Guards *(09 91 23 00-0245)*

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.91	
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.95	
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	3.23	
		For Oil Based Paint, Add	*0.19*	

09 91 23 00-0301 Paint Interior Window Trim *(09 91 23 00-0245)*

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.80	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.80	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.93	
		For Oil Based Paint, Add	*0.23*	
		For Painting One Face Of Frame Only, Deduct	*-1.08*	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	2.06	
		For Painting One Face Of Frame Only, Deduct	*-0.61*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	2.06	
		For Painting One Face Of Frame Only, Deduct	*-0.61*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	4.46	
		For Painting One Face Of Frame Only, Deduct	*-1.30*	

09 91 23 00-0308 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0309 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0308)*

09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.72	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.35	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.75	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.56*	

09 91 23 00-0313 Paint Exposed Metal Lockers And Cabinets *(09 91 23 00-0308)*

09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.77	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.79	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	3.32	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0317		**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0318		**Paint Interior Concrete Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	23.76	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	23.76	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	18.73	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	37.15	
		Note: Excludes riser.		
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	47.53	
09 91 23 00-0324		**Paint Interior Metal Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	13.05	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	12.54	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	25.10	
09 91 23 00-0328		**Paint Interior Wood Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	12.19	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	12.19	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	12.94	
		Note: Excludes riser.		
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	31.36	
		Note: Excludes riser.		
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	24.40	
09 91 23 00-0334		**Paint Interior Stair Nosing** *(09 91 23 00-0317)*		
09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	2.10	
09 91 23 00-0336		**Paint Interior Trim** *(09 91 23)*		
09 91 23 00-0337		**Paint Interior Metal Trim** *(09 91 23 00-0336)*		
09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.61	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.76	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	3.19	
		For Work >15' To 20' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.35	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.47	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.66	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0344		Paint Interior Wood Trim *(09 91 23 00-0336)*		
09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	1.06	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.17	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	2.45	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	3.23	
		For Work >15' To 20' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.59*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.18*	
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	3.59	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.20*	
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	6.48	
		For Work >15' To 20' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*2.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.15*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.65	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.27*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	
09 91 23 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.95	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.41*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	
09 91 23 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	5.29	
		For Work >15' To 20' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.50*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.30*	

09 91 23 00-0354 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0354)*

09 91 23 00-0356	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.12	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0357	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.33	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0358	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	2.39	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.42	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.42	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.28	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0362	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.22	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0363 Paint Additives *(09 91 23)*

09 91 23 00-0364	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0365	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	

09 91 23 00-0366 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0367	EA	Up To 1" High, Hand Paint, Per Letter/Number	3.27	
09 91 23 00-0368	EA	1" To 2" High, Hand Paint, Per Letter/Number	3.81	
09 91 23 00-0369	EA	2" To 3" High, Hand Paint, Per Letter/Number	5.79	
09 91 23 00-0370	EA	3" To 4" High, Hand Paint, Per Letter/Number	7.09	
09 91 23 00-0371	EA	4" To 6" High, Hand Paint, Per Letter/Number	9.77	
09 91 23 00-0372	EA	6" To 12" High, Hand Paint, Per Letter/Number	12.37	
09 91 23 00-0373	EA	Over 12" High, Hand Paint, Per Letter/Number	14.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0374		Glove/Mitt Application *(09 91 23)*		
09 91 23 00-0375		Conduit/Pipe *(09 91 23 00-0374)*		
09 91 23 00-0376	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	61.90	
		For Work >15' To 20' Above Floor, Add	*8.76*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*23.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*32.10*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0377	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	98.58	
		For Work >15' To 20' Above Floor, Add	*10.51*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*17.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*28.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*38.53*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0378	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	77.07	
		For Work >15' To 20' Above Floor, Add	*7.71*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.84*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*20.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*28.25*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0379	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	62.60	
		For Work >15' To 20' Above Floor, Add	*5.78*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*15.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*21.19*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0380	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	116.41	
		For Work >15' To 20' Above Floor, Add	*8.76*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*23.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*32.10*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0381	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	107.01	
		For Work >15' To 20' Above Floor, Add	*7.71*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.84*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*20.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*28.25*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0382		Ductwork *(09 91 23 00-0374)*		
09 91 23 00-0383	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	61.90	
		For Work >15' To 20' Above Floor, Add	*8.76*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*23.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*32.10*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0384	CSF	Metal Primer Ductwork With Glove/Mitt	93.83	
		For Work >15' To 20' Above Floor, Add	*8.76*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*23.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*32.10*	
		Note: Applied only to work area above 40'.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0385		CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	70.03	
			For Work >15' To 20' Above Floor, Add	*7.01*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*11.68*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*18.68*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*25.69*	
			Note: Applied only to work area above 40'.		
09 91 23 00-0386		CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	112.24	
			For Work >15' To 20' Above Floor, Add	*8.76*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*14.59*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*23.35*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*32.10*	
			Note: Applied only to work area above 40'.		
09 91 23 00-0387		CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	97.20	
			For Work >15' To 20' Above Floor, Add	*7.01*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*11.68*	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	*18.68*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*25.69*	
			Note: Applied only to work area above 40'.		

09 91 23 00-0388 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0389		EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.65	
			For >200 To 500, Deduct	*-0.21*	
			For >500 To 1,000, Deduct	*-0.33*	
			For >1,000 To 2,000, Deduct	*-0.42*	
			For >2,000, Deduct	*-0.53*	
09 91 23 00-0390		EA	1" To 2" High, Stencil Painting, Per Letter/Number	3.09	
			For >200 To 500, Deduct	*-0.25*	
			For >500 To 1,000, Deduct	*-0.39*	
			For >1,000 To 2,000, Deduct	*-0.49*	
			For >2,000, Deduct	*-0.62*	
09 91 23 00-0391		EA	2" To 3" High, Stencil Painting, Per Letter/Number	5.21	
			For >200 To 500, Deduct	*-0.42*	
			For >500 To 1,000, Deduct	*-0.65*	
			For >1,000 To 2,000, Deduct	*-0.83*	
			For >2,000, Deduct	*-1.04*	
09 91 23 00-0392		EA	3" To 4" High, Stencil Painting, Per Letter/Number	6.40	
			For >200 To 500, Deduct	*-0.51*	
			For >500 To 1,000, Deduct	*-0.80*	
			For >1,000 To 2,000, Deduct	*-1.02*	
			For >2,000, Deduct	*-1.28*	
09 91 23 00-0393		EA	4" To 6" High, Stencil Painting, Per Letter/Number	8.82	
			For >200 To 500, Deduct	*-0.71*	
			For >500 To 1,000, Deduct	*-1.10*	
			For >1,000 To 2,000, Deduct	*-1.41*	
			For >2,000, Deduct	*-1.76*	
09 91 23 00-0394		EA	6" To 12" High, Stencil Painting, Per Letter/Number	11.72	
			For >200 To 500, Deduct	*-0.94*	
			For >500 To 1,000, Deduct	*-1.47*	
			For >1,000 To 2,000, Deduct	*-1.88*	
			For >2,000, Deduct	*-2.34*	
09 91 23 00-0395		EA	Over 12" High, Stencil Painting, Per Letter/Number	13.81	
			For >200 To 500, Deduct	*-1.10*	
			For >500 To 1,000, Deduct	*-1.73*	
			For >1,000 To 2,000, Deduct	*-2.21*	
			For >2,000, Deduct	*-2.76*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002		GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	67.54	
09 91 33 00-0003		GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	43.03	
09 91 33 00-0004		GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	54.57	
09 91 33 00-0005		GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	154.56	
09 91 33 00-0006		EA	Cement Base Primer, 25 Lb. Sack	45.00	
09 91 33 00-0007		GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	69.38	
09 91 33 00-0008		GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	55.69	
09 91 33 00-0009		GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	43.03	
09 91 33 00-0010		GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	39.10	
09 91 33 00-0011		GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	68.91	
09 91 33 00-0012		GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	57.38	
09 91 33 00-0013		GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	57.38	
09 91 33 00-0014		GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	64.69	
09 91 33 00-0015		GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	42.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	115.59	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	45.00	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	36.00	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	93.10	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	58.05	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	65.50	
09 91 33 00-0022		**Paint** *(09 91 33)*		
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	31.50	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	156.20	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	16.88	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	97.60	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	51.19	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	22.41	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	33.99	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	92.71	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	91.52	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	74.71	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	68.48	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	65.00	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	76.58	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	67.99	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	96.78	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	372.72	
09 91 33 00-0039	GAL	High Heat Paint	163.65	
09 91 33 00-0040	GAL	Heat Resistant Paint	109.10	
09 91 33 00-0041	GAL	Zinc Chromate Paint	98.71	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	38.96	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	109.10	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	67.99	
09 91 33 00-0045	GAL	Alkyd Latex, Black	80.96	
09 91 33 00-0046	GAL	Alkyd Latex, White	73.60	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	88.75	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	99.58	
09 91 33 00-0049	GAL	Vinyl Paint	86.07	
09 91 33 00-0050	GAL	Silicone Alkyd	104.63	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	106.32	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	133.32	
09 91 33 00-0053	GAL	Chlorinated Rubber	97.88	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	101.26	
09 91 33 00-0055	GAL	Coal Tar Epoxy	72.57	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	90.57	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	118.13	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	81.00	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	51.47	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	63.43	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	105.47	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	35.72	
09 91 33 00-0063	GAL	Linseed Oil	31.22	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	51.19	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	57.66	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	52.74	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	42.38	
09 91 33 00-0068		**Stain, Varnish** *(09 91 33)*		
09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	29.25	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	54.57	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	48.66	
09 91 33 00-0072	GAL	Varnish, Clear	47.44	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.45	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.79	
09 91 33 00-0075	GAL	Polyurethane	54.06	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	51.34	
09 91 33 00-0077	GAL	Shellac, Clear	67.35	
09 91 33 00-0078	GAL	Acetone	22.22	
09 91 33 00-0079	GAL	Paint Thinner	5.48	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	22.50	
09 91 33 00-0081	GAL	Turpentine	30.94	
09 91 33 00-0082	GAL	Wood Filler Paste	52.88	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	42.19	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	109.22	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13		**Exterior Staining and Finishing** *(09 93)*		
09 93 13 53		**Exterior Finishing** *(09 93 13)*		
09 93 13 53-0001		Stain Sealer *(09 93 13 53)*		
		Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002	SF	Stain Sealer, Brush Work	1.27	
		For Ceiling Work, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.11*	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	1.01	
		For Ceiling Work, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.39	
		For Ceiling Work, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 93 23		**Interior Staining and Finishing** *(09 93)*		
		Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 13		**Interior Staining** *(09 93 23)*		
09 93 23 13-0001		Stain Wood Trim *(09 93 23 13)*		
09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.55	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >4,000, Deduct	*-0.08*	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	2.30	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
		For >4,000, Deduct	*-0.12*	
09 93 23 13-0004		Stain Wood Floor *(09 93 23 13)*		
09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.72	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.04*	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.55	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 13-0007		Stain Wood Door And Window *(09 93 23 13)*		
09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	74.80	
		For Up To 4, Add	*54.65*	
		For >4 To 10, Add	*25.58*	
		For >10 To 20, Add	*10.98*	
		For >160, Deduct	*-3.74*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	53.15	
		For Up To 4, Add	*37.74*	
		For >4 To 10, Add	*17.72*	
		For >10 To 20, Add	*7.62*	
		For >160, Deduct	*-2.66*	
09 93 23 13-0010		Stain Wood Cabinet *(09 93 23 13)*		
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.87	
09 93 23 53		**Interior Finishing** *(09 93 23)*		
09 93 23 53-0001		Concrete Finishes *(09 93 23 53)*		
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	1.09	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0003		Wood Trim Finishes *(09 93 23 53)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.88	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >4,000, Deduct	*-0.09*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	1.25	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >4,000, Deduct	*-0.06*	
09 93 23 53-0006		**Wood Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	4.02	
		For Up To 100, Add	*2.85*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.58*	
		For >4,000, Deduct	*-0.20*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.94	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	4.56	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
		For >4,000, Deduct	*-0.23*	
09 93 23 53-0010		**Wood Door And Window Finishes** *(09 93 23 53)* See CSI section 08 14 16 00-0757 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	54.02	
		For Up To 4, Add	*39.38*	
		For >4 To 10, Add	*18.43*	
		For >10 To 20, Add	*7.91*	
		For >160, Deduct	*-2.70*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	163.65	
		For Up To 4, Add	*117.49*	
		For >4 To 10, Add	*55.09*	
		For >10 To 20, Add	*23.67*	
		For >160, Deduct	*-8.18*	
09 93 23 53-0013		**Cabinet Finishes** *(09 93 23 53)*		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.88	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.15	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.08	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.20	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.31	
		For Stage Or Dance Floors, Deduct	*-0.11*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.08	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.20	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.31	
		For Stage Or Dance Floors, Deduct	*-0.11*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.88	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.99	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric Painting *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	1.15	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.97	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.77	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.33	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.15	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.26	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	1.31	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.11	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.86	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.51	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.30	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.36	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.90

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	7.88

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	5.49
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	9.88
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	14.69

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	4.47

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0002		SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
		Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		
09 97 13 23-0003	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	2.05	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.67	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0007		SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
		Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0008	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	2.08	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	2.00	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	2.00	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.71	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0012	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.45	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0013		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
		Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.28	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0015	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.14	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0016	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.13	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0017	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.60	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0018		**SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel** *(09 97 13 23-0001)* Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	3.31	
		For Up To 100, Add	*2.38*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.87	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.66	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0022	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	4.16	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0023		**SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel** *(09 97 13 23-0001)* Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0024	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	6.45	
		For Up To 100, Add	*4.66*	
		For >100 To 250, Add	*2.18*	
		For >250 To 500, Add	*0.94*	
09 97 13 23-0025	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.51	
		For Up To 100, Add	*3.96*	
		For >100 To 250, Add	*1.86*	
		For >250 To 500, Add	*0.80*	
09 97 13 23-0026	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.06	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.70*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0027	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	7.80	
		For Up To 100, Add	*5.68*	
		For >100 To 250, Add	*2.66*	
		For >250 To 500, Add	*1.14*	
09 97 13 23-0028		**SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel** *(09 97 13 23-0001)* Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.		
09 97 13 23-0029	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.79	
		For Up To 100, Add	*3.45*	
		For >100 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.69*	
09 97 13 23-0030	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.08	
		For Up To 100, Add	*2.93*	
		For >100 To 250, Add	*1.38*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0031	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.85	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0032	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	5.68	
		For Up To 100, Add	*4.13*	
		For >100 To 250, Add	*1.94*	
		For >250 To 500, Add	*0.83*	
09 97 13 23-0033		**Protective Coatings For Tanks And Structural Steel** *(09 97 13 23)* Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0034		**1.5 Mil Prime Coat For Structural Steel** *(09 97 13 23-0033)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0035	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.36	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0036	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	1.02	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0037	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.91	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0038	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.61	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0039	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.91	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0040	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.42	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0041	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.27	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0042	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	2.31	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	

09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0044	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.99	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0045	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.88	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0046	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.67	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0047	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.85	
		For Up To 100, Add	*3.23*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0048	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.00	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0049	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.16	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0050	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.01	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0051	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.64	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0052	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.08	
		For Up To 100, Add	*4.17*	
		For >100 To 250, Add	*1.97*	
		For >250 To 500, Add	*0.85*	
09 97 13 23-0053	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.33	
		For Up To 100, Add	*2.89*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0054	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.98	
		For Up To 100, Add	*2.63*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0055	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	7.47	
		For Up To 100, Add	*5.19*	
		For >100 To 250, Add	*2.44*	
		For >250 To 500, Add	*1.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.56	
		For Up To 100, Add	*3.13*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.24	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.99	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	5.61	
		For Up To 100, Add	*3.90*	
		For >100 To 250, Add	*1.84*	
		For >250 To 500, Add	*0.79*	

09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0061	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.08	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.51	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.31	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.83	
		For Up To 100, Add	*2.58*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.97	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.61	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.48	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.45	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.34	
		For Up To 100, Add	*2.97*	
		For >100 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.53	
		For Up To 100, Add	*2.39*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.22	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.45	
		For Up To 100, Add	*3.79*	
		For >100 To 250, Add	*1.79*	
		For >250 To 500, Add	*0.77*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.78	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.26	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.06	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0076	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	3.48	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0077		**2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel** *(09 97 13 23-0033)*		
09 97 13 23-0078	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.08	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.45*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0079	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.71	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0080	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.28	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0081	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.75	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*1.67*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0082	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.55	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0083	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.59	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0084	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.31	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0085	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.02	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0086		**2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel** *(09 97 13 23-0033)*		
09 97 13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.45	
		For Up To 100, Add	*3.07*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.05	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.62	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0090	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	6.14	
		For Up To 100, Add	*3.56*	
		For >100 To 250, Add	*1.71*	
		For >250 To 500, Add	*0.75*	
09 97 13 23-0091	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.47	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0092	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.31	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0093	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.97	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0094	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	5.02	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0095		**1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel** *(09 97 13 23-0033)*		
09 97 13 23-0096	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.39	
		For Up To 100, Add	*6.59*	
		For >100 To 250, Add	*3.17*	
		For >250 To 500, Add	*1.38*	
09 97 13 23-0097	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.65	
		For Up To 100, Add	*4.74*	
		For >100 To 250, Add	*2.30*	
		For >250 To 500, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.34	
		For Up To 100, Add	*4.51*	
		For >100 To 250, Add	*2.19*	
		For >250 To 500, Add	*0.96*	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	13.22	
		For Up To 100, Add	*7.93*	
		For >100 To 250, Add	*3.80*	
		For >250 To 500, Add	*1.65*	

09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.01	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*1.57*	
		For >250 To 500, Add	*0.69*	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.74	
		For Up To 100, Add	*2.28*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.53	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.81	
		For Up To 100, Add	*3.78*	
		For >100 To 250, Add	*1.83*	
		For >250 To 500, Add	*0.80*	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.75	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.74	
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0107	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.58	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0108	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	5.37	
		For Up To 100, Add	*2.98*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.63*	

09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0110	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	5.08	
		For Up To 100, Add	*3.08*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0111	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.13	
		For Up To 100, Add	*2.43*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0112	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.82	
		For Up To 100, Add	*2.20*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0113	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	6.27	
		For Up To 100, Add	*3.95*	
		For >100 To 250, Add	*1.88*	
		For >250 To 500, Add	*0.81*	

09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0115	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.88	
		For Up To 100, Add	*3.11*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0116	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.48	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0117	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.95	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0118	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.58	
		For Up To 100, Add	*3.59*	
		For >100 To 250, Add	*1.71*	
		For >250 To 500, Add	*0.74*	

09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0120	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.63	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0121	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.92	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0122	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.82	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0123	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.78	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	

09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0033)*

Note: Installed over existing primer.

09 97 13 23-0125	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	4.04	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0126	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.31	
		For Up To 100, Add	*1.87*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0127	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.90	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0128	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.71	
		For Up To 100, Add	*2.84*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.75	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	2.47	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	1.08	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.87	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.54	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	

09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.66	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.44	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.58	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	

09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.82	
		For Up To 100, Add	*3.45*	
		For >100 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.70*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.60	
		For Up To 100, Add	*3.29*	
		For >100 To 250, Add	*1.54*	
		For >250 To 500, Add	*0.66*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	6.76	
		For Up To 100, Add	*4.91*	
		For >100 To 250, Add	*2.30*	
		For >250 To 500, Add	*0.99*	

09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.84	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.84	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	5.67	
		For Up To 100, Add	*4.13*	
		For >100 To 250, Add	*1.93*	
		For >250 To 500, Add	*0.83*	

09 97 13 24-0022 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0023 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.80	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.65	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.52	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	1.10	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.89	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	2.18	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.36	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.83	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.34	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.59*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.76	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.37	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.25	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.46	
		For Up To 100, Add	*2.25*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.61	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.69	
		For Up To 100, Add	*4.67*	
		For >100 To 250, Add	*2.20*	
		For >250 To 500, Add	*0.95*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.60	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.96	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	5.01	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.71*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.09	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.77	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.49	
		For Up To 100, Add	*3.12*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.63*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.34	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.14	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.87	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.40*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.90	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.43	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	6.89	
		For Up To 100, Add	*5.01*	
		For >100 To 250, Add	*2.34*	
		For >250 To 500, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.85	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.56	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	4.51	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
09 97 13 24-0056		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.04	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.63	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.12	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.83	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0061		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.37	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.96	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.76	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.42	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0066		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.05	
		For Up To 100, Add	*4.34*	
		For >100 To 250, Add	*2.11*	
		For >250 To 500, Add	*0.92*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.42	
		For Up To 100, Add	*3.87*	
		For >100 To 250, Add	*1.89*	
		For >250 To 500, Add	*0.83*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.22	
		For Up To 100, Add	*7.47*	
		For >100 To 250, Add	*3.57*	
		For >250 To 500, Add	*1.55*	
09 97 13 24-0070		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.22	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.77	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.28	
		For Up To 100, Add	*3.58*	
		For >100 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.34	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.98	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.95	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	

09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.78	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.15	
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.83	
		For Up To 100, Add	*2.98*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.62*	

09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.62	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.41	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.97	
		For Up To 100, Add	*2.47*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	

09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*

09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.75	
		For Up To 100, Add	*3.36*	
		For >100 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.70*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.51	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	

09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.69	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.64	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.63	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	

09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*

Note: Installed over existing primer.

09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.76	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.45	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.80	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	9.95	
		For Up To 100, Add	*6.25*	
		For >100 To 250, Add	*2.98*	
		For >250 To 500, Add	*1.29*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	3.36	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.87	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	14.18	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.72	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	15.11	
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	2.23	

END OF SECTION 09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.96
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	21.07
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.91
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.80
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	28.65

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.87
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.69
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	39.12
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	61.75

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.63
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	161.30
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	225.82
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	92.98

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	408.87
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	321.97
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	277.11
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	234.84
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	135.54
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	48.03
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.61

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*
Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	52.68	12.18
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.50	5.73
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.09	4.94
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.80	3.23
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.55	1.79

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	55.31	12.18
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	35.07	5.73
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	30.45	4.94
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.66	3.23
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.35	1.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	51.06	12.18
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	30.85	5.73
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	26.50	4.94
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	21.48	3.23
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.07	1.79
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	14.80	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	18.30	5.73
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.22	5.73
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.67	7.87
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	35.80	14.33
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	20.21	7.87
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	19.87	7.87
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.86	7.87
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	22.75	7.87
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.86	7.87
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,184.69	143.22
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,442.65	143.22
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,760.98	152.53
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,060.70	152.53
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,798.87	163.98
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,037.94	163.98
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,554.71	171.86
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,148.17	171.86
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,954.16	143.22
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,488.49	143.22
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,985.76	152.53
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,476.35	152.53
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,097.22	163.98
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,313.42	163.98
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,218.90	171.86
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,940.60	171.86
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,282.22	143.22
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,719.13	143.22
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,197.52	152.53
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,699.04	152.53
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,677.80	163.98
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,907.92	163.98
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,963.51	171.86
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,762.32	171.86
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,594.75	143.22
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,854.70	143.22
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,119.35	152.53
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,570.65	152.53
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,909.66	163.98
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,326.16	163.98
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,765.77	143.22
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,169.35	143.22
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,579.62	152.53
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,322.17	152.53
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,791.37	163.98
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,465.31	163.98
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,110.76	143.22
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,660.96	143.22
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,217.85	152.53
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,250.64	152.53
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,861.96	163.98
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,811.25	163.98
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)*		
		Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,232.12	286.44
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,462.37	286.44
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,724.44	295.39
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,146.15	295.39
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,617.58	304.34
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,024.38	304.34
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,920.31	322.24
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,032.85	322.24
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,851.29	286.44
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,155.70	286.44
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,500.88	295.39
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,120.63	295.39
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,742.37	304.34
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,331.30	304.34
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,537.60	322.24
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,715.95	322.24
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,644.34	286.44
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,412.61	286.44
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,824.99	295.39
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,630.84	295.39
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,483.42	304.34
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,298.22	304.34
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,916.29	322.24
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,230.04	322.24
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	609.82	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,038.29	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	52.85	12.18
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.08	5.73
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.09	4.94
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.01	3.23
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.32	1.79
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	55.35	12.18
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.83	5.73
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.20	4.94
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.42	3.23
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.63	1.79
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	51.04	12.18
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	30.86	5.73
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	27.71	4.94
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.60	3.23
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	16.79	1.79
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	43.41	12.18
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	25.59	5.73
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.18	4.94
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	16.38	3.23
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.81	1.79
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	42.56	12.18
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	25.19	5.73
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	21.62	4.94
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.39	3.23
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.91	1.79
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	61.96	12.18
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	40.08	5.73
		For Magnetic Surface, Add	*2.86*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	34.56	4.94
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.15	3.23
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.69	1.79
		For Magnetic Surface, Add	*2.21*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	61.96	12.18
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	40.08	5.73
		For Magnetic Surface, Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	34.56	4.94
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.15	3.23
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.69	1.79
		For Magnetic Surface, Add	*2.21*	

10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	108.56	12.18
		For Magnetic Surface, Add	*8.42*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	68.08	5.73
		For Magnetic Surface, Add	*5.66*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	57.56	4.94
		For Magnetic Surface, Add	*4.77*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	48.34	3.23
		For Magnetic Surface, Add	*4.19*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	37.31	1.79
		For Magnetic Surface, Add	*3.37*	

10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*

Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.

10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	27.66	4.94
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	23.30	3.23
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	19.29	1.79

10 11 16 13-0056 Removal And Reinstallation Of Markerboard *(10 11 16 13)*

Note: Includes storage and cleaning.

10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	85.93	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	100.26	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	114.57	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	128.90	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	143.22	

10 11 16 13-0062 Field Applied Markerboard And Accessories *(10 11 16 13)*

10 11 16 13-0063 Markerboard Face Sheets And Panels *(10 11 16 13-0062)*

10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	18.06	5.73
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	20.68	5.73
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.	20.62	5.73
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	13.30	5.73

10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*

See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.

10 11 16 33 Rail-Mounted Markerboards *(10 11 16)*

10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*

10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,159.40	143.22
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,408.93	143.22
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,718.83	152.53
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,010.11	152.53
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,739.86	163.98
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,970.50	163.98
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,470.41	171.86
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,047.01	171.86

10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,928.86	143.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,454.76	143.22
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,943.61	152.53
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,425.77	152.53
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,038.21	163.98
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,245.98	163.98
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,134.60	171.86
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,839.44	171.86
10 11 16 33-0020		**Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,256.93	143.22
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,685.40	143.22
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,155.36	152.53
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,648.46	152.53
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,618.78	163.98
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,840.48	163.98
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,879.21	171.86
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,686.45	171.86
10 11 16 33-0029		**Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series)** *(10 11 16 33)*		
10 11 16 33-0030		**One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,561.03	143.22
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,812.55	143.22
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,068.77	152.53
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,503.21	152.53
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,825.35	163.98
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,225.00	163.98
10 11 16 33-0037		**Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,698.33	143.22
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,085.05	143.22
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,478.46	152.53
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,187.28	152.53
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,622.76	163.98
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,262.99	163.98
10 11 16 33-0044		**Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,009.60	143.22
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,534.51	143.22
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,066.10	152.53
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,048.31	152.53
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,609.05	163.98
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,507.75	163.98
10 11 16 33-0051		**Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series)** *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		**One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,189.97	286.44
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,409.68	286.44
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,661.21	295.39
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,061.85	295.39
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,512.20	304.34
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,897.92	304.34
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,772.78	322.24
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,864.24	322.24
10 11 16 33-0061		**Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,766.99	286.44
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,050.32	286.44
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,374.43	295.39
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,952.02	295.39
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,531.61	304.34
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,078.39	304.34
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,242.54	322.24
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,378.73	322.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,517.88	286.44
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,254.54	286.44
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,635.31	295.39
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,377.93	295.39
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,167.29	304.34
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,918.86	304.34
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,473.70	322.24
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,724.22	322.24
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)* See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	37.69	12.18
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	20.74	5.73
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.96	4.94
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.90	3.23
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.85	1.79
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	39.26	12.18
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.47	5.73
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.58	4.94
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.32	3.23
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.94	1.79
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	39.43	12.18
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.00	5.73
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.06	4.94
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.84	3.23
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.06	1.79
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.24	12.18
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	26.21	5.73
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.74	4.94
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.70	3.23
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.75	1.79
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	46.06	12.18
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	30.28	5.73
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.84	4.94
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.68	3.23
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.93	1.79
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	38.77	12.18
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.06	5.73
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.45	4.94
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.43	3.23
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.22	1.79
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	40.92	12.18
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	24.86	5.73
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	22.80	4.94
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.75	3.23
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.05	1.79
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	37.69	12.18
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.82	5.73
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.08	4.94
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.90	3.23
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.66	1.79
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	39.43	12.18
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.77	5.73
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.06	4.94
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.84	3.23
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.06	1.79

10 12 Display Cases *(10 10)*

10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	2,126.43	219.41
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,295.57	219.41
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	2,226.69	219.41
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	2,203.03	97.54
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,420.82	219.41
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,891.17	219.41

10 13 Directories *(10 10)*

10 13 11 Directory and Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	57.82	12.18
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	36.56	5.73
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	33.08	4.94
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	24.96	3.23
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	19.49	1.79
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	58.32	12.18
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	36.89	5.73
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	33.74	4.94
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	23.88	3.23
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.98	1.79
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	132.55	12.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	104.00	5.73
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.17	4.94
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	79.96	3.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	71.68	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	114.98	12.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	89.94	4.94
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	64.31	3.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	57.26	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	119.38	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.01*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	90.34	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.78*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	76.50	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.32*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	55.99	3.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.91*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	51.55	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.59*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	180.19	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.17*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	103.93	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	87.62	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.55*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.21	3.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.15*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	61.50	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.58*	
10 13 11 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*		
		Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*		
10 13 11 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*		
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	177.12	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	116.93	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	113.27	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0047		Wall Mounted Bulletin Boards *(10 13 11)*		
10 13 11 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*		
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*		
10 13 11 00-0050		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*		
10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	129.56	12.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.76	5.73
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.94	4.94
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.85	3.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.68	1.79
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0056		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*		
10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	109.68	12.18
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.90	4.94
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	60.41	3.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.28	1.79
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0061		Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*		
10 13 11 00-0062		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*		
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	122.11	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.55*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	93.06	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	79.22	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.87*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.72	3.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.46*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.28	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.14*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	182.92	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.71*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.65	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.04*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.34	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.09*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.94	3.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.70*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.22	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.13*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	174.39	12.18
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	114.21	5.73
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	110.57	4.94
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	375.27	35.79
		For >5 To 10, Deduct	*-39.85*	
		For >10 Each, Deduct	*-63.06*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	395.71	35.79
		For >5 To 10, Deduct	*-42.10*	
		For >10 Each, Deduct	*-67.35*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	430.10	35.79
		For >5 To 10, Deduct	*-45.88*	
		For >10 Each, Deduct	*-74.57*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	404.01	35.79
		For >5 To 10, Deduct	*-43.01*	
		For >10 Each, Deduct	*-69.10*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	291.37	35.79
		For >5 To 10, Deduct	*-30.62*	
		For >10 Each, Deduct	*-45.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	283.07	35.79
		For >5 To 10, Deduct	*-29.71*	
		For >10 Each, Deduct	*-43.70*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque	327.96	44.38
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-34.29*	
		For >10 Each, Deduct	*-49.19*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	332.47	44.38
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-34.78*	
		For >10 Each, Deduct	*-50.14*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	448.10	44.38
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-47.50*	
		For >10 Each, Deduct	*-74.42*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	363.36	89.47
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-38.18*	
		For >10 Each, Deduct	*-56.62*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	325.72	89.47
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-34.04*	
		For >10 Each, Deduct	*-48.72*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	170.75	24.35
		For >5 To 10, Deduct	*-17.83*	
		For >10 Each, Deduct	*-25.35*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	302.99	24.35
		For >5 To 10, Deduct	*-32.37*	
		For >10 Each, Deduct	*-53.13*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	140.64	24.35
		For >5 To 10, Deduct	*-14.52*	
		For >10 Each, Deduct	*-19.03*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	166.62	24.35
		For >5 To 10, Deduct	*-17.37*	
		For >10 Each, Deduct	*-24.49*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering	320.34	89.47
		For >5 To 10, Deduct	*-33.45*	
		For >10 Each, Deduct	*-47.59*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	61.45	8.95
		For Installation With Adhesive, Deduct	*-6.65*	
		For Clear Anodized, Add	*2.57*	
		For Satin Face And Enameled Return, Add	*7.70*	
		For Patina Finish, Add	*10.26*	
		For Color Anodized, Add	*12.83*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	72.21	9.66
		For Installation With Adhesive, Deduct	*-7.48*	
		For Clear Anodized, Add	*3.36*	
		For Satin Face And Enameled Return, Add	*10.07*	
		For Patina Finish, Add	*13.42*	
		For Color Anodized, Add	*16.78*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	79.01	10.38
		For Installation With Adhesive, Deduct	*-8.10*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*11.25*	
		For Patina Finish, Add	*15.00*	
		For Color Anodized, Add	*18.75*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	90.67	11.88
		For Installation With Adhesive, Deduct	*-9.26*	
		For Clear Anodized, Add	*4.34*	
		For Satin Face And Enameled Return, Add	*13.03*	
		For Patina Finish, Add	*17.37*	
		For Color Anodized, Add	*21.72*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	99.45	12.52
		For Installation With Adhesive, Deduct	*-9.98*	
		For Clear Anodized, Add	*4.94*	
		For Satin Face And Enameled Return, Add	*14.81*	
		For Patina Finish, Add	*19.74*	
		For Color Anodized, Add	*24.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	118.45	14.32
		For Installation With Adhesive, Deduct	*-11.65*	
		For Clear Anodized, Add	*6.12*	
		For Satin Face And Enameled Return, Add	*18.36*	
		For Patina Finish, Add	*24.48*	
		For Color Anodized, Add	*30.60*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	131.19	15.03
		For Installation With Adhesive, Deduct	*-12.57*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*21.32*	
		For Patina Finish, Add	*28.42*	
		For Color Anodized, Add	*35.53*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	149.30	16.10
		For Installation With Adhesive, Deduct	*-13.91*	
		For Clear Anodized, Add	*8.49*	
		For Satin Face And Enameled Return, Add	*25.46*	
		For Patina Finish, Add	*33.95*	
		For Color Anodized, Add	*42.44*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	181.02	18.61
		For Installation With Adhesive, Deduct	*-16.49*	
		For Clear Anodized, Add	*10.66*	
		For Satin Face And Enameled Return, Add	*31.98*	
		For Patina Finish, Add	*42.64*	
		For Color Anodized, Add	*53.30*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	216.17	21.47
		For Installation With Adhesive, Deduct	*-19.40*	
		For Clear Anodized, Add	*13.03*	
		For Satin Face And Enameled Return, Add	*39.08*	
		For Patina Finish, Add	*52.11*	
		For Color Anodized, Add	*65.14*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	237.60	23.86
		For Installation With Adhesive, Deduct	*-21.43*	
		For Clear Anodized, Add	*14.21*	
		For Satin Face And Enameled Return, Add	*42.64*	
		For Patina Finish, Add	*56.85*	
		For Color Anodized, Add	*71.06*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	264.93	25.77
		For Installation With Adhesive, Deduct	*-23.55*	
		For Clear Anodized, Add	*16.19*	
		For Satin Face And Enameled Return, Add	*48.56*	
		For Patina Finish, Add	*64.74*	
		For Color Anodized, Add	*80.93*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	319.81	28.63
		For Installation With Adhesive, Deduct	*-27.44*	
		For Clear Anodized, Add	*20.53*	
		For Satin Face And Enameled Return, Add	*61.59*	
		For Patina Finish, Add	*82.12*	
		For Color Anodized, Add	*102.65*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	385.45	32.20
		For Installation With Adhesive, Deduct	*-32.16*	
		For Clear Anodized, Add	*25.66*	
		For Satin Face And Enameled Return, Add	*76.98*	
		For Patina Finish, Add	*102.64*	
		For Color Anodized, Add	*128.31*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	462.92	35.79
		For Installation With Adhesive, Deduct	*-37.46*	
		For Clear Anodized, Add	*31.98*	
		For Satin Face And Enameled Return, Add	*95.93*	
		For Patina Finish, Add	*127.91*	
		For Color Anodized, Add	*159.89*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	74.87	9.84
		For Installation With Adhesive, Deduct	*-7.68*	
		For Oxidized Finish, Add	*5.33*	
		For Polished Or Patina Finish, Add	*10.65*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	105.49	10.73
		For Installation With Adhesive, Deduct	*-9.57*	
		For Oxidized Finish, Add	*9.38*	
		For Polished Or Patina Finish, Add	*18.77*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	115.12	11.46
		For Installation With Adhesive, Deduct	*-10.34*	
		For Oxidized Finish, Add	*10.40*	
		For Polished Or Patina Finish, Add	*20.79*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	139.44	12.89
		For Installation With Adhesive, Deduct	*-12.13*	
		For Oxidized Finish, Add	*13.19*	
		For Polished Or Patina Finish, Add	*26.37*	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	154.86	13.74
		For Installation With Adhesive, Deduct	*-13.26*	
		For Oxidized Finish, Add	*14.96*	
		For Polished Or Patina Finish, Add	*29.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	205.00	15.75
		For Installation With Adhesive, Deduct	*-16.55*	
		For Oxidized Finish, Add	*21.30*	
		For Polished Or Patina Finish, Add	*42.60*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	233.22	16.46
		For Installation With Adhesive, Deduct	*-18.25*	
		For Oxidized Finish, Add	*25.11*	
		For Polished Or Patina Finish, Add	*50.21*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	260.91	17.90
		For Installation With Adhesive, Deduct	*-20.20*	
		For Oxidized Finish, Add	*28.40*	
		For Polished Or Patina Finish, Add	*56.80*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	309.57	20.76
		For Installation With Adhesive, Deduct	*-23.78*	
		For Oxidized Finish, Add	*33.98*	
		For Polished Or Patina Finish, Add	*67.96*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	363.28	23.62
		For Installation With Adhesive, Deduct	*-27.61*	
		For Oxidized Finish, Add	*40.32*	
		For Polished Or Patina Finish, Add	*80.64*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	430.66	28.63
		For Installation With Adhesive, Deduct	*-32.99*	
		For Oxidized Finish, Add	*47.42*	
		For Polished Or Patina Finish, Add	*94.84*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	447.70	30.77
		For Installation With Adhesive, Deduct	*-34.70*	
		For Oxidized Finish, Add	*48.69*	
		For Polished Or Patina Finish, Add	*97.38*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	631.72	35.79
		For Installation With Adhesive, Deduct	*-45.90*	
		For Oxidized Finish, Add	*73.29*	
		For Polished Or Patina Finish, Add	*146.57*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	759.50	40.26
		For Installation With Adhesive, Deduct	*-54.08*	
		For Oxidized Finish, Add	*89.77*	
		For Polished Or Patina Finish, Add	*179.54*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	963.75	46.52
		For Installation With Adhesive, Deduct	*-66.80*	
		For Oxidized Finish, Add	*116.65*	
		For Polished Or Patina Finish, Add	*233.30*	

10 14 19 00-0034 Molded Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	47.67	7.15
		For Installation With Adhesive, Deduct	*-5.25*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	51.69	7.87
		For Installation With Adhesive, Deduct	*-5.73*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	57.04	8.58
		For Installation With Adhesive, Deduct	*-6.29*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	72.07	9.30
		For Installation With Adhesive, Deduct	*-7.33*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	77.86	10.02
		For Installation With Adhesive, Deduct	*-7.90*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	84.26	10.73
		For Installation With Adhesive, Deduct	*-8.51*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	98.21	12.52
		For Installation With Adhesive, Deduct	*-9.92*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	128.98	15.75
		For Installation With Adhesive, Deduct	*-12.75*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	163.38	18.61
		For Installation With Adhesive, Deduct	*-15.61*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	239.23	22.90
		For Installation With Adhesive, Deduct	*-21.12*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	351.10	26.84
		For Installation With Adhesive, Deduct	*-28.29*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	458.35	30.77
		For Installation With Adhesive, Deduct	*-35.23*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	847.81	41.15
		For Installation With Adhesive, Deduct	*-58.85*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	57.50	8.95
		For Installation With Adhesive, Deduct	*-6.45*	
		For Clear Anodized, Add	*2.17*	
		For Satin Face And Enameled Return, Add	*7.60*	
		For Color Anodized, Add	*10.86*	
		For Polished Or Patina Finish, Add	*10.86*	
		For Polished Anodized Finish, Add	*16.28*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	79.01	10.38
		For Installation With Adhesive, Deduct	*-8.10*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*13.13*	
		For Color Anodized, Add	*18.75*	
		For Polished Or Patina Finish, Add	*18.75*	
		For Polished Anodized Finish, Add	*28.13*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	105.37	12.52
		For Installation With Adhesive, Deduct	*-10.28*	
		For Clear Anodized, Add	*5.53*	
		For Satin Face And Enameled Return, Add	*19.34*	
		For Color Anodized, Add	*27.64*	
		For Polished Or Patina Finish, Add	*27.64*	
		For Polished Anodized Finish, Add	*41.45*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	128.32	14.32
		For Installation With Adhesive, Deduct	*-12.14*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*24.87*	
		For Color Anodized, Add	*35.53*	
		For Polished Or Patina Finish, Add	*35.53*	
		For Polished Anodized Finish, Add	*53.30*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.32	16.10
		For Installation With Adhesive, Deduct	*-13.81*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.02*	
		For Color Anodized, Add	*41.45*	
		For Polished Or Patina Finish, Add	*41.45*	
		For Polished Anodized Finish, Add	*62.18*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	169.18	18.61
		For Installation With Adhesive, Deduct	*-15.90*	
		For Clear Anodized, Add	*9.48*	
		For Satin Face And Enameled Return, Add	*33.16*	
		For Color Anodized, Add	*47.38*	
		For Polished Or Patina Finish, Add	*47.38*	
		For Polished Anodized Finish, Add	*71.06*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	198.40	21.47
		For Installation With Adhesive, Deduct	*-18.51*	
		For Clear Anodized, Add	*11.25*	
		For Satin Face And Enameled Return, Add	*39.38*	
		For Color Anodized, Add	*56.26*	
		For Polished Or Patina Finish, Add	*56.26*	
		For Polished Anodized Finish, Add	*84.38*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	235.32	25.77
		For Installation With Adhesive, Deduct	*-22.07*	
		For Clear Anodized, Add	*13.23*	
		For Satin Face And Enameled Return, Add	*46.29*	
		For Color Anodized, Add	*66.13*	
		For Polished Or Patina Finish, Add	*66.13*	
		For Polished Anodized Finish, Add	*99.19*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	264.54	28.63
		For Installation With Adhesive, Deduct	*-24.68*	
		For Clear Anodized, Add	*15.00*	
		For Satin Face And Enameled Return, Add	*52.51*	
		For Color Anodized, Add	*75.01*	
		For Polished Or Patina Finish, Add	*75.01*	
		For Polished Anodized Finish, Add	*112.52*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	316.36	32.20
		For Installation With Adhesive, Deduct	*-28.70*	
		For Clear Anodized, Add	*18.75*	
		For Satin Face And Enameled Return, Add	*65.63*	
		For Color Anodized, Add	*93.76*	
		For Polished Or Patina Finish, Add	*93.76*	
		For Polished Anodized Finish, Add	*140.64*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	361.02	34.00
		For Installation With Adhesive, Deduct	*-31.65*	
		For Clear Anodized, Add	*22.50*	
		For Satin Face And Enameled Return, Add	*78.76*	
		For Color Anodized, Add	*112.52*	
		For Polished Or Patina Finish, Add	*112.52*	
		For Polished Anodized Finish, Add	*168.77*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	443.19	35.79
		For Installation With Adhesive, Deduct	*-36.47*	
		For Clear Anodized, Add	*30.00*	
		For Satin Face And Enameled Return, Add	*105.01*	
		For Color Anodized, Add	*150.02*	
		For Polished Or Patina Finish, Add	*150.02*	
		For Polished Anodized Finish, Add	*225.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	629.07	42.94
		For Installation With Adhesive, Deduct	*-48.63*	
		For Clear Anodized, Add	*45.73*	
		For Satin Face And Enameled Return, Add	*160.05*	
		For Color Anodized, Add	*228.65*	
		For Polished Or Patina Finish, Add	*228.65*	
		For Polished Anodized Finish, Add	*342.97*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	71.40	8.95
		For Installation With Adhesive, Deduct	*-7.15*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*12.46*	
		For Color Anodized, Add	*17.81*	
		For Polished Or Patina Finish, Add	*17.81*	
		For Polished Anodized Finish, Add	*26.71*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	100.77	10.38
		For Installation With Adhesive, Deduct	*-9.19*	
		For Clear Anodized, Add	*5.93*	
		For Satin Face And Enameled Return, Add	*20.74*	
		For Color Anodized, Add	*29.63*	
		For Polished Or Patina Finish, Add	*29.63*	
		For Polished Anodized Finish, Add	*44.45*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	126.92	12.52
		For Installation With Adhesive, Deduct	*-11.36*	
		For Clear Anodized, Add	*7.68*	
		For Satin Face And Enameled Return, Add	*26.89*	
		For Color Anodized, Add	*38.41*	
		For Polished Or Patina Finish, Add	*38.41*	
		For Polished Anodized Finish, Add	*57.62*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	158.17	14.32
		For Installation With Adhesive, Deduct	*-13.63*	
		For Clear Anodized, Add	*10.09*	
		For Satin Face And Enameled Return, Add	*35.32*	
		For Color Anodized, Add	*50.46*	
		For Polished Or Patina Finish, Add	*50.46*	
		For Polished Anodized Finish, Add	*75.68*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.97	16.10
		For Installation With Adhesive, Deduct	*-15.59*	
		For Clear Anodized, Add	*11.86*	
		For Satin Face And Enameled Return, Add	*41.49*	
		For Color Anodized, Add	*59.28*	
		For Polished Or Patina Finish, Add	*59.28*	
		For Polished Anodized Finish, Add	*88.91*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	214.66	18.61
		For Installation With Adhesive, Deduct	*-18.18*	
		For Clear Anodized, Add	*14.02*	
		For Satin Face And Enameled Return, Add	*49.08*	
		For Color Anodized, Add	*70.12*	
		For Polished Or Patina Finish, Add	*70.12*	
		For Polished Anodized Finish, Add	*105.17*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.28	21.47
		For Installation With Adhesive, Deduct	*-21.15*	
		For Clear Anodized, Add	*16.54*	
		For Satin Face And Enameled Return, Add	*57.89*	
		For Color Anodized, Add	*82.70*	
		For Polished Or Patina Finish, Add	*82.70*	
		For Polished Anodized Finish, Add	*124.04*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	310.71	25.77
		For Installation With Adhesive, Deduct	*-25.84*	
		For Clear Anodized, Add	*20.76*	
		For Satin Face And Enameled Return, Add	*72.67*	
		For Color Anodized, Add	*103.82*	
		For Polished Or Patina Finish, Add	*103.82*	
		For Polished Anodized Finish, Add	*155.73*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	359.05	28.63
		For Installation With Adhesive, Deduct	*-29.40*	
		For Clear Anodized, Add	*24.45*	
		For Satin Face And Enameled Return, Add	*85.59*	
		For Color Anodized, Add	*122.27*	
		For Polished Or Patina Finish, Add	*122.27*	
		For Polished Anodized Finish, Add	*183.40*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	415.75	32.20
		For Installation With Adhesive, Deduct	*-33.67*	
		For Clear Anodized, Add	*28.69*	
		For Satin Face And Enameled Return, Add	*100.42*	
		For Color Anodized, Add	*143.46*	
		For Polished Or Patina Finish, Add	*143.46*	
		For Polished Anodized Finish, Add	*215.18*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	464.53	34.00
		For Installation With Adhesive, Deduct	*-36.83*	
		For Clear Anodized, Add	*32.85*	
		For Satin Face And Enameled Return, Add	*114.99*	
		For Color Anodized, Add	*164.27*	
		For Polished Or Patina Finish, Add	*164.27*	
		For Polished Anodized Finish, Add	*246.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	515.19	35.79
		For Installation With Adhesive, Deduct	*-40.07*	
		For Clear Anodized, Add	*37.20*	
		For Satin Face And Enameled Return, Add	*130.21*	
		For Color Anodized, Add	*186.02*	
		For Polished Or Patina Finish, Add	*186.02*	
		For Polished Anodized Finish, Add	*279.03*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	704.74	42.94
		For Installation With Adhesive, Deduct	*-52.42*	
		For Clear Anodized, Add	*53.30*	
		For Satin Face And Enameled Return, Add	*186.54*	
		For Color Anodized, Add	*266.48*	
		For Polished Or Patina Finish, Add	*266.48*	
		For Polished Anodized Finish, Add	*399.72*	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	87.47	8.95
		For Installation With Adhesive, Deduct	*-7.95*	
		For Clear Anodized, Add	*5.17*	
		For Satin Face And Enameled Return, Add	*18.09*	
		For Color Anodized, Add	*25.84*	
		For Polished Or Patina Finish, Add	*25.84*	
		For Polished Anodized Finish, Add	*38.76*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.39	10.38
		For Installation With Adhesive, Deduct	*-9.77*	
		For Clear Anodized, Add	*7.09*	
		For Satin Face And Enameled Return, Add	*24.81*	
		For Color Anodized, Add	*35.44*	
		For Polished Or Patina Finish, Add	*35.44*	
		For Polished Anodized Finish, Add	*53.16*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	140.74	12.52
		For Installation With Adhesive, Deduct	*-12.05*	
		For Clear Anodized, Add	*9.06*	
		For Satin Face And Enameled Return, Add	*31.72*	
		For Color Anodized, Add	*45.32*	
		For Polished Or Patina Finish, Add	*45.32*	
		For Polished Anodized Finish, Add	*67.98*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	165.98	14.32
		For Installation With Adhesive, Deduct	*-14.03*	
		For Clear Anodized, Add	*10.87*	
		For Satin Face And Enameled Return, Add	*38.05*	
		For Color Anodized, Add	*54.36*	
		For Polished Or Patina Finish, Add	*54.36*	
		For Polished Anodized Finish, Add	*81.54*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	192.92	16.10
		For Installation With Adhesive, Deduct	*-16.09*	
		For Clear Anodized, Add	*12.85*	
		For Satin Face And Enameled Return, Add	*44.98*	
		For Color Anodized, Add	*64.25*	
		For Polished Or Patina Finish, Add	*64.25*	
		For Polished Anodized Finish, Add	*96.38*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	236.45	18.61
		For Installation With Adhesive, Deduct	*-19.27*	
		For Clear Anodized, Add	*16.20*	
		For Satin Face And Enameled Return, Add	*56.71*	
		For Color Anodized, Add	*81.01*	
		For Polished Or Patina Finish, Add	*81.01*	
		For Polished Anodized Finish, Add	*121.52*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	290.66	21.47
		For Installation With Adhesive, Deduct	*-23.12*	
		For Clear Anodized, Add	*20.48*	
		For Satin Face And Enameled Return, Add	*71.67*	
		For Color Anodized, Add	*102.39*	
		For Polished Or Patina Finish, Add	*102.39*	
		For Polished Anodized Finish, Add	*153.58*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	351.70	25.77
		For Installation With Adhesive, Deduct	*-27.89*	
		For Clear Anodized, Add	*24.86*	
		For Satin Face And Enameled Return, Add	*87.02*	
		For Color Anodized, Add	*124.32*	
		For Polished Or Patina Finish, Add	*124.32*	
		For Polished Anodized Finish, Add	*186.47*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	425.06	28.63
		For Installation With Adhesive, Deduct	*-32.71*	
		For Clear Anodized, Add	*31.05*	
		For Satin Face And Enameled Return, Add	*108.69*	
		For Color Anodized, Add	*155.27*	
		For Polished Or Patina Finish, Add	*155.27*	
		For Polished Anodized Finish, Add	*232.91*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	500.13	32.20
		For Installation With Adhesive, Deduct	*-37.89*	
		For Clear Anodized, Add	*37.13*	
		For Satin Face And Enameled Return, Add	*129.95*	
		For Color Anodized, Add	*185.65*	
		For Polished Or Patina Finish, Add	*185.65*	
		For Polished Anodized Finish, Add	*278.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	572.54	34.00
		For Installation With Adhesive, Deduct	*-42.23*	
		For Clear Anodized, Add	*43.66*	
		For Satin Face And Enameled Return, Add	*152.79*	
		For Color Anodized, Add	*218.28*	
		For Polished Or Patina Finish, Add	*218.28*	
		For Polished Anodized Finish, Add	*327.41*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	641.21	35.79
		For Installation With Adhesive, Deduct	*-46.38*	
		For Clear Anodized, Add	*49.81*	
		For Satin Face And Enameled Return, Add	*174.32*	
		For Color Anodized, Add	*249.03*	
		For Polished Or Patina Finish, Add	*249.03*	
		For Polished Anodized Finish, Add	*373.55*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	885.94	42.94
		For Installation With Adhesive, Deduct	*-61.48*	
		For Clear Anodized, Add	*71.42*	
		For Satin Face And Enameled Return, Add	*249.96*	
		For Color Anodized, Add	*357.08*	
		For Polished Or Patina Finish, Add	*357.08*	
		For Polished Anodized Finish, Add	*535.62*	
10 14 19 00-0093		**3/4" Deep, Satin Finish, Aluminum Characters** *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.16	8.95
		For Installation With Adhesive, Deduct	*-8.14*	
		For Clear Anodized, Add	*5.54*	
		For Satin Face And Enameled Return, Add	*19.38*	
		For Color Anodized, Add	*27.69*	
		For Polished Or Patina Finish, Add	*27.69*	
		For Polished Anodized Finish, Add	*41.53*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	116.52	10.38
		For Installation With Adhesive, Deduct	*-9.98*	
		For Clear Anodized, Add	*7.50*	
		For Satin Face And Enameled Return, Add	*26.25*	
		For Color Anodized, Add	*37.51*	
		For Polished Or Patina Finish, Add	*37.51*	
		For Polished Anodized Finish, Add	*56.26*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	152.90	12.52
		For Installation With Adhesive, Deduct	*-12.66*	
		For Clear Anodized, Add	*10.28*	
		For Satin Face And Enameled Return, Add	*35.98*	
		For Color Anodized, Add	*51.40*	
		For Polished Or Patina Finish, Add	*51.40*	
		For Polished Anodized Finish, Add	*77.10*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	201.51	14.32
		For Installation With Adhesive, Deduct	*-15.80*	
		For Clear Anodized, Add	*14.43*	
		For Satin Face And Enameled Return, Add	*50.49*	
		For Color Anodized, Add	*72.13*	
		For Polished Or Patina Finish, Add	*72.13*	
		For Polished Anodized Finish, Add	*108.19*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.78	16.10
		For Installation With Adhesive, Deduct	*-19.03*	
		For Clear Anodized, Add	*18.74*	
		For Satin Face And Enameled Return, Add	*65.58*	
		For Color Anodized, Add	*93.68*	
		For Polished Or Patina Finish, Add	*93.68*	
		For Polished Anodized Finish, Add	*140.52*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	315.09	18.61
		For Installation With Adhesive, Deduct	*-23.20*	
		For Clear Anodized, Add	*24.07*	
		For Satin Face And Enameled Return, Add	*84.23*	
		For Color Anodized, Add	*120.33*	
		For Polished Or Patina Finish, Add	*120.33*	
		For Polished Anodized Finish, Add	*180.50*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	391.93	21.47
		For Installation With Adhesive, Deduct	*-28.19*	
		For Clear Anodized, Add	*30.60*	
		For Satin Face And Enameled Return, Add	*107.11*	
		For Color Anodized, Add	*153.02*	
		For Polished Or Patina Finish, Add	*153.02*	
		For Polished Anodized Finish, Add	*229.53*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	483.96	25.77
		For Installation With Adhesive, Deduct	*-34.51*	
		For Clear Anodized, Add	*38.09*	
		For Satin Face And Enameled Return, Add	*133.31*	
		For Color Anodized, Add	*190.45*	
		For Polished Or Patina Finish, Add	*190.45*	
		For Polished Anodized Finish, Add	*285.67*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	590.08	28.63
		For Installation With Adhesive, Deduct	*-40.96*	
		For Clear Anodized, Add	*47.56*	
		For Satin Face And Enameled Return, Add	*166.45*	
		For Color Anodized, Add	*237.78*	
		For Polished Or Patina Finish, Add	*237.78*	
		For Polished Anodized Finish, Add	*356.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	700.78	32.20
		For Installation With Adhesive, Deduct	*-47.92*	
		For Clear Anodized, Add	*57.19*	
		For Satin Face And Enameled Return, Add	*200.18*	
		For Color Anodized, Add	*285.97*	
		For Polished Or Patina Finish, Add	*285.97*	
		For Polished Anodized Finish, Add	*428.96*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	811.07	34.00
		For Installation With Adhesive, Deduct	*-54.15*	
		For Clear Anodized, Add	*67.51*	
		For Satin Face And Enameled Return, Add	*236.28*	
		For Color Anodized, Add	*337.54*	
		For Polished Or Patina Finish, Add	*337.54*	
		For Polished Anodized Finish, Add	*506.31*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	926.24	35.79
		For Installation With Adhesive, Deduct	*-60.63*	
		For Clear Anodized, Add	*78.31*	
		For Satin Face And Enameled Return, Add	*274.08*	
		For Color Anodized, Add	*391.55*	
		For Polished Or Patina Finish, Add	*391.55*	
		For Polished Anodized Finish, Add	*587.32*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,269.67	42.94
		For Installation With Adhesive, Deduct	*-80.66*	
		For Clear Anodized, Add	*109.79*	
		For Satin Face And Enameled Return, Add	*384.26*	
		For Color Anodized, Add	*548.95*	
		For Polished Or Patina Finish, Add	*548.95*	
		For Polished Anodized Finish, Add	*823.42*	
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	100.93	8.95
		For Installation With Adhesive, Deduct	*-8.63*	
		For Clear Anodized, Add	*6.51*	
		For Satin Face And Enameled Return, Add	*22.80*	
		For Color Anodized, Add	*32.57*	
		For Polished Or Patina Finish, Add	*32.57*	
		For Polished Anodized Finish, Add	*48.86*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	124.39	10.38
		For Installation With Adhesive, Deduct	*-10.37*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.01*	
		For Color Anodized, Add	*41.44*	
		For Polished Or Patina Finish, Add	*41.44*	
		For Polished Anodized Finish, Add	*62.16*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	162.85	12.52
		For Installation With Adhesive, Deduct	*-13.15*	
		For Clear Anodized, Add	*11.28*	
		For Satin Face And Enameled Return, Add	*39.46*	
		For Color Anodized, Add	*56.38*	
		For Polished Or Patina Finish, Add	*56.38*	
		For Polished Anodized Finish, Add	*84.56*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	221.41	14.32
		For Installation With Adhesive, Deduct	*-16.80*	
		For Clear Anodized, Add	*16.42*	
		For Satin Face And Enameled Return, Add	*57.45*	
		For Color Anodized, Add	*82.08*	
		For Polished Or Patina Finish, Add	*82.08*	
		For Polished Anodized Finish, Add	*123.11*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	299.04	16.10
		For Installation With Adhesive, Deduct	*-21.39*	
		For Clear Anodized, Add	*23.46*	
		For Satin Face And Enameled Return, Add	*82.12*	
		For Color Anodized, Add	*117.31*	
		For Polished Or Patina Finish, Add	*117.31*	
		For Polished Anodized Finish, Add	*175.97*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	389.94	18.61
		For Installation With Adhesive, Deduct	*-26.94*	
		For Clear Anodized, Add	*31.55*	
		For Satin Face And Enameled Return, Add	*110.43*	
		For Color Anodized, Add	*157.76*	
		For Polished Or Patina Finish, Add	*157.76*	
		For Polished Anodized Finish, Add	*236.63*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	492.06	21.47
		For Installation With Adhesive, Deduct	*-33.19*	
		For Clear Anodized, Add	*40.62*	
		For Satin Face And Enameled Return, Add	*142.16*	
		For Color Anodized, Add	*203.09*	
		For Polished Or Patina Finish, Add	*203.09*	
		For Polished Anodized Finish, Add	*304.63*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	610.92	25.77
		For Installation With Adhesive, Deduct	*-40.85*	
		For Clear Anodized, Add	*50.79*	
		For Satin Face And Enameled Return, Add	*177.75*	
		For Color Anodized, Add	*253.93*	
		For Polished Or Patina Finish, Add	*253.93*	
		For Polished Anodized Finish, Add	*380.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	738.59	28.63
		For Installation With Adhesive, Deduct	*-48.38*	
		For Clear Anodized, Add	*62.41*	
		For Satin Face And Enameled Return, Add	*218.42*	
		For Color Anodized, Add	*312.04*	
		For Polished Or Patina Finish, Add	*312.04*	
		For Polished Anodized Finish, Add	*468.05*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	907.06	32.20
		For Installation With Adhesive, Deduct	*-58.24*	
		For Clear Anodized, Add	*77.82*	
		For Satin Face And Enameled Return, Add	*272.38*	
		For Color Anodized, Add	*389.11*	
		For Polished Or Patina Finish, Add	*389.11*	
		For Polished Anodized Finish, Add	*583.67*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,078.85	34.00
		For Installation With Adhesive, Deduct	*-67.54*	
		For Clear Anodized, Add	*94.29*	
		For Satin Face And Enameled Return, Add	*330.00*	
		For Color Anodized, Add	*471.43*	
		For Polished Or Patina Finish, Add	*471.43*	
		For Polished Anodized Finish, Add	*707.15*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,271.28	35.79
		For Installation With Adhesive, Deduct	*-77.88*	
		For Clear Anodized, Add	*112.81*	
		For Satin Face And Enameled Return, Add	*394.85*	
		For Color Anodized, Add	*564.07*	
		For Polished Or Patina Finish, Add	*564.07*	
		For Polished Anodized Finish, Add	*846.10*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,791.97	42.94
		For Installation With Adhesive, Deduct	*-106.78*	
		For Clear Anodized, Add	*162.02*	
		For Satin Face And Enameled Return, Add	*567.07*	
		For Color Anodized, Add	*810.10*	
		For Polished Or Patina Finish, Add	*810.10*	
		For Polished Anodized Finish, Add	*1,215.14*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	74.07	8.95
		For Installation With Adhesive, Deduct	*-7.28*	
		For Oxidized Finish, Add	*5.74*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	94.78	10.38
		For Installation With Adhesive, Deduct	*-8.89*	
		For Oxidized Finish, Add	*7.99*	
		For Polished Finish, Add	*15.98*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	129.40	12.52
		For Installation With Adhesive, Deduct	*-11.48*	
		For Oxidized Finish, Add	*11.90*	
		For Polished Finish, Add	*23.79*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	168.01	14.32
		For Installation With Adhesive, Deduct	*-14.13*	
		For Oxidized Finish, Add	*16.61*	
		For Polished Finish, Add	*33.23*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	213.46	16.10
		For Installation With Adhesive, Deduct	*-17.12*	
		For Oxidized Finish, Add	*22.36*	
		For Polished Finish, Add	*44.71*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	268.59	18.61
		For Installation With Adhesive, Deduct	*-20.87*	
		For Oxidized Finish, Add	*29.12*	
		For Polished Finish, Add	*58.25*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	334.74	21.47
		For Installation With Adhesive, Deduct	*-25.33*	
		For Oxidized Finish, Add	*37.33*	
		For Polished Finish, Add	*74.66*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	407.98	25.77
		For Installation With Adhesive, Deduct	*-30.71*	
		For Oxidized Finish, Add	*45.74*	
		For Polished Finish, Add	*91.47*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	493.46	28.63
		For Installation With Adhesive, Deduct	*-36.13*	
		For Oxidized Finish, Add	*56.84*	
		For Polished Finish, Add	*113.68*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	585.52	32.20
		For Installation With Adhesive, Deduct	*-42.16*	
		For Oxidized Finish, Add	*68.50*	
		For Polished Finish, Add	*137.00*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	715.73	34.00
		For Installation With Adhesive, Deduct	*-49.39*	
		For Oxidized Finish, Add	*86.96*	
		For Polished Finish, Add	*173.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	783.84	35.79
		For Installation With Adhesive, Deduct	*-53.51*	
		For Oxidized Finish, Add	*96.10*	
		For Polished Finish, Add	*192.21*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,170.77	42.94
		For Installation With Adhesive, Deduct	*-75.72*	
		For Oxidized Finish, Add	*149.85*	
		For Polished Finish, Add	*299.70*	

10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	87.47	8.95
		For Installation With Adhesive, Deduct	*-7.95*	
		For Oxidized Finish, Add	*7.75*	
		For Polished Finish, Add	*15.50*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	113.43	10.38
		For Installation With Adhesive, Deduct	*-9.82*	
		For Oxidized Finish, Add	*10.79*	
		For Polished Finish, Add	*21.58*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	161.13	12.52
		For Installation With Adhesive, Deduct	*-13.07*	
		For Oxidized Finish, Add	*16.65*	
		For Polished Finish, Add	*33.31*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	212.31	14.32
		For Installation With Adhesive, Deduct	*-16.34*	
		For Oxidized Finish, Add	*23.26*	
		For Polished Finish, Add	*46.52*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	280.52	16.10
		For Installation With Adhesive, Deduct	*-20.47*	
		For Oxidized Finish, Add	*32.42*	
		For Polished Finish, Add	*64.83*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	355.96	18.61
		For Installation With Adhesive, Deduct	*-25.24*	
		For Oxidized Finish, Add	*42.23*	
		For Polished Finish, Add	*84.46*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	446.73	21.47
		For Installation With Adhesive, Deduct	*-30.93*	
		For Oxidized Finish, Add	*54.13*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	529.95	25.77
		For Installation With Adhesive, Deduct	*-36.80*	
		For Oxidized Finish, Add	*64.03*	
		For Polished Finish, Add	*128.06*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	663.99	28.63
		For Installation With Adhesive, Deduct	*-44.65*	
		For Oxidized Finish, Add	*82.42*	
		For Polished Finish, Add	*164.84*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	768.20	32.20
		For Installation With Adhesive, Deduct	*-51.29*	
		For Oxidized Finish, Add	*95.90*	
		For Polished Finish, Add	*191.81*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	941.83	34.00
		For Installation With Adhesive, Deduct	*-60.69*	
		For Oxidized Finish, Add	*120.88*	
		For Polished Finish, Add	*241.75*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,072.15	35.79
		For Installation With Adhesive, Deduct	*-67.92*	
		For Oxidized Finish, Add	*139.35*	
		For Polished Finish, Add	*278.70*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,480.46	42.94
		For Installation With Adhesive, Deduct	*-91.20*	
		For Oxidized Finish, Add	*196.30*	
		For Polished Finish, Add	*392.60*	

10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	108.53	8.95
		For Installation With Adhesive, Deduct	*-9.01*	
		For Oxidized Finish, Add	*10.91*	
		For Polished Finish, Add	*21.82*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	140.07	10.38
		For Installation With Adhesive, Deduct	*-11.15*	
		For Oxidized Finish, Add	*14.78*	
		For Polished Finish, Add	*29.57*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	200.78	12.52
		For Installation With Adhesive, Deduct	*-15.05*	
		For Oxidized Finish, Add	*22.60*	
		For Polished Finish, Add	*45.20*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	273.23	14.32
		For Installation With Adhesive, Deduct	*-19.39*	
		For Oxidized Finish, Add	*32.40*	
		For Polished Finish, Add	*64.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	377.40	16.10
		For Installation With Adhesive, Deduct	*-25.31*	
		For Oxidized Finish, Add	*46.95*	
		For Polished Finish, Add	*93.89*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	501.58	18.61
		For Installation With Adhesive, Deduct	*-32.52*	
		For Oxidized Finish, Add	*64.07*	
		For Polished Finish, Add	*128.15*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	620.92	21.47
		For Installation With Adhesive, Deduct	*-39.64*	
		For Oxidized Finish, Add	*80.25*	
		For Polished Finish, Add	*160.51*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	740.34	25.77
		For Installation With Adhesive, Deduct	*-47.32*	
		For Oxidized Finish, Add	*95.59*	
		For Polished Finish, Add	*191.18*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,005.04	28.63
		For Installation With Adhesive, Deduct	*-61.70*	
		For Oxidized Finish, Add	*133.58*	
		For Polished Finish, Add	*267.16*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,133.55	32.20
		For Installation With Adhesive, Deduct	*-69.56*	
		For Oxidized Finish, Add	*150.71*	
		For Polished Finish, Add	*301.41*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,411.43	34.00
		For Installation With Adhesive, Deduct	*-84.17*	
		For Oxidized Finish, Add	*191.32*	
		For Polished Finish, Add	*382.63*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,648.77	35.79
		For Installation With Adhesive, Deduct	*-96.75*	
		For Oxidized Finish, Add	*225.84*	
		For Polished Finish, Add	*451.69*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,479.45	42.94
		For Installation With Adhesive, Deduct	*-141.15*	
		For Oxidized Finish, Add	*346.15*	
		For Polished Finish, Add	*692.30*	

10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	131.50	8.95
		For Installation With Adhesive, Deduct	*-10.15*	
		For Oxidized Finish, Add	*14.36*	
		For Polished Finish, Add	*28.71*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	182.68	10.38
		For Installation With Adhesive, Deduct	*-13.29*	
		For Oxidized Finish, Add	*21.18*	
		For Polished Finish, Add	*42.35*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	248.36	12.52
		For Installation With Adhesive, Deduct	*-17.43*	
		For Oxidized Finish, Add	*29.74*	
		For Polished Finish, Add	*59.48*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	334.14	14.32
		For Installation With Adhesive, Deduct	*-22.43*	
		For Oxidized Finish, Add	*41.53*	
		For Polished Finish, Add	*83.06*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	451.92	16.10
		For Installation With Adhesive, Deduct	*-29.04*	
		For Oxidized Finish, Add	*58.13*	
		For Polished Finish, Add	*116.25*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	618.08	18.61
		For Installation With Adhesive, Deduct	*-38.35*	
		For Oxidized Finish, Add	*81.55*	
		For Polished Finish, Add	*163.10*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	770.23	21.47
		For Installation With Adhesive, Deduct	*-47.10*	
		For Oxidized Finish, Add	*102.65*	
		For Polished Finish, Add	*205.30*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	898.89	25.77
		For Installation With Adhesive, Deduct	*-55.25*	
		For Oxidized Finish, Add	*119.37*	
		For Polished Finish, Add	*238.75*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,194.51	28.63
		For Installation With Adhesive, Deduct	*-71.18*	
		For Oxidized Finish, Add	*162.00*	
		For Polished Finish, Add	*324.00*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,307.09	32.20
		For Installation With Adhesive, Deduct	*-78.24*	
		For Oxidized Finish, Add	*176.74*	
		For Polished Finish, Add	*353.48*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,654.92	34.00
		For Installation With Adhesive, Deduct	*-96.35*	
		For Oxidized Finish, Add	*227.84*	
		For Polished Finish, Add	*455.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,097.25	35.79
		For Installation With Adhesive, Deduct	*-119.18*	
		For Oxidized Finish, Add	*293.12*	
		For Polished Finish, Add	*586.23*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,158.76	42.94
		For Installation With Adhesive, Deduct	*-175.12*	
		For Oxidized Finish, Add	*448.05*	
		For Polished Finish, Add	*896.09*	
10 14 19 00-0178		Satin Finish, Bronze Characters *(10 14 19 00-0049)*		
10 14 19 00-0179		1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	81.81	8.95
		For Installation With Adhesive, Deduct	*-7.67*	
		For Oxidized Finish, Add	*6.90*	
		For Polished Or Patina Finish, Add	*13.81*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	105.61	10.38
		For Installation With Adhesive, Deduct	*-9.43*	
		For Oxidized Finish, Add	*9.62*	
		For Polished Or Patina Finish, Add	*19.23*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	145.43	12.52
		For Installation With Adhesive, Deduct	*-12.28*	
		For Oxidized Finish, Add	*14.30*	
		For Polished Or Patina Finish, Add	*28.60*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	190.39	14.32
		For Installation With Adhesive, Deduct	*-15.25*	
		For Oxidized Finish, Add	*19.97*	
		For Polished Or Patina Finish, Add	*39.94*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	243.57	16.10
		For Installation With Adhesive, Deduct	*-18.62*	
		For Oxidized Finish, Add	*26.87*	
		For Polished Or Patina Finish, Add	*53.75*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	307.82	18.61
		For Installation With Adhesive, Deduct	*-22.83*	
		For Oxidized Finish, Add	*35.01*	
		For Polished Or Patina Finish, Add	*70.02*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	385.03	21.47
		For Installation With Adhesive, Deduct	*-27.84*	
		For Oxidized Finish, Add	*44.87*	
		For Polished Or Patina Finish, Add	*89.74*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	477.81	25.77
		For Installation With Adhesive, Deduct	*-34.20*	
		For Oxidized Finish, Add	*56.21*	
		For Polished Or Patina Finish, Add	*112.42*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	571.44	28.63
		For Installation With Adhesive, Deduct	*-40.02*	
		For Oxidized Finish, Add	*68.54*	
		For Polished Or Patina Finish, Add	*137.08*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	677.80	32.20
		For Installation With Adhesive, Deduct	*-46.77*	
		For Oxidized Finish, Add	*82.34*	
		For Polished Or Patina Finish, Add	*164.69*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	790.15	34.00
		For Installation With Adhesive, Deduct	*-53.11*	
		For Oxidized Finish, Add	*98.12*	
		For Polished Or Patina Finish, Add	*196.25*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	914.00	35.79
		For Installation With Adhesive, Deduct	*-60.02*	
		For Oxidized Finish, Add	*115.63*	
		For Polished Or Patina Finish, Add	*231.26*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,384.76	42.94
		For Installation With Adhesive, Deduct	*-86.42*	
		For Oxidized Finish, Add	*181.95*	
		For Polished Or Patina Finish, Add	*363.89*	
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	96.54	8.95
		For Installation With Adhesive, Deduct	*-8.41*	
		For Oxidized Finish, Add	*9.11*	
		For Polished Or Patina Finish, Add	*18.23*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	125.48	10.38
		For Installation With Adhesive, Deduct	*-10.43*	
		For Oxidized Finish, Add	*12.60*	
		For Polished Or Patina Finish, Add	*25.19*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	181.65	12.52
		For Installation With Adhesive, Deduct	*-14.09*	
		For Oxidized Finish, Add	*19.73*	
		For Polished Or Patina Finish, Add	*39.47*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	239.65	14.32
		For Installation With Adhesive, Deduct	*-17.71*	
		For Oxidized Finish, Add	*27.36*	
		For Polished Or Patina Finish, Add	*54.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	324.19	16.10
		For Installation With Adhesive, Deduct	*-22.65*	
		For Oxidized Finish, Add	*38.97*	
		For Polished Or Patina Finish, Add	*77.93*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	410.51	18.61
		For Installation With Adhesive, Deduct	*-27.97*	
		For Oxidized Finish, Add	*50.41*	
		For Polished Or Patina Finish, Add	*100.82*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	513.66	21.47
		For Installation With Adhesive, Deduct	*-34.27*	
		For Oxidized Finish, Add	*64.17*	
		For Polished Or Patina Finish, Add	*128.33*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	635.20	25.77
		For Installation With Adhesive, Deduct	*-42.07*	
		For Oxidized Finish, Add	*79.82*	
		For Polished Or Patina Finish, Add	*159.64*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	767.92	28.63
		For Installation With Adhesive, Deduct	*-49.85*	
		For Oxidized Finish, Add	*98.01*	
		For Polished Or Patina Finish, Add	*196.02*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	913.86	32.20
		For Installation With Adhesive, Deduct	*-58.58*	
		For Oxidized Finish, Add	*117.75*	
		For Polished Or Patina Finish, Add	*235.51*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,071.43	34.00
		For Installation With Adhesive, Deduct	*-67.17*	
		For Oxidized Finish, Add	*140.32*	
		For Polished Or Patina Finish, Add	*280.63*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,214.63	35.79
		For Installation With Adhesive, Deduct	*-75.05*	
		For Oxidized Finish, Add	*160.72*	
		For Polished Or Patina Finish, Add	*321.44*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,663.75	42.94
		For Installation With Adhesive, Deduct	*-100.37*	
		For Oxidized Finish, Add	*223.80*	
		For Polished Or Patina Finish, Add	*447.59*	
10 14 19 00-0207		**1/2" Deep, Satin Finish, Bronze Characters** *(10 14 19 00-0178)*		
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	99.76	8.95
		For Installation With Adhesive, Deduct	*-8.57*	
		For Oxidized Finish, Add	*9.60*	
		For Polished Or Patina Finish, Add	*19.19*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	148.56	10.38
		For Installation With Adhesive, Deduct	*-11.58*	
		For Oxidized Finish, Add	*16.06*	
		For Polished Or Patina Finish, Add	*32.12*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.21	12.52
		For Installation With Adhesive, Deduct	*-15.57*	
		For Oxidized Finish, Add	*24.17*	
		For Polished Or Patina Finish, Add	*48.33*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	290.24	14.32
		For Installation With Adhesive, Deduct	*-20.24*	
		For Oxidized Finish, Add	*34.95*	
		For Polished Or Patina Finish, Add	*69.89*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	395.85	16.10
		For Installation With Adhesive, Deduct	*-26.23*	
		For Oxidized Finish, Add	*49.71*	
		For Polished Or Patina Finish, Add	*99.43*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	538.88	18.61
		For Installation With Adhesive, Deduct	*-34.39*	
		For Oxidized Finish, Add	*69.67*	
		For Polished Or Patina Finish, Add	*139.34*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	699.12	21.47
		For Installation With Adhesive, Deduct	*-43.55*	
		For Oxidized Finish, Add	*91.98*	
		For Polished Or Patina Finish, Add	*183.97*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	875.04	25.77
		For Installation With Adhesive, Deduct	*-54.06*	
		For Oxidized Finish, Add	*115.80*	
		For Polished Or Patina Finish, Add	*231.59*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,074.06	28.63
		For Installation With Adhesive, Deduct	*-65.16*	
		For Oxidized Finish, Add	*143.93*	
		For Polished Or Patina Finish, Add	*287.86*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,287.16	32.20
		For Installation With Adhesive, Deduct	*-77.24*	
		For Oxidized Finish, Add	*173.75*	
		For Polished Or Patina Finish, Add	*347.50*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,522.80	34.00
		For Installation With Adhesive, Deduct	*-89.74*	
		For Oxidized Finish, Add	*208.02*	
		For Polished Or Patina Finish, Add	*416.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,769.65	35.79
		For Installation With Adhesive, Deduct	*-102.80*	
		For Oxidized Finish, Add	*243.98*	
		For Polished Or Patina Finish, Add	*487.95*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,476.45	42.94
		For Installation With Adhesive, Deduct	*-141.00*	
		For Oxidized Finish, Add	*345.70*	
		For Polished Or Patina Finish, Add	*691.40*	
10 14 19 00-0221		Satin Finish, Copper Characters *(10 14 19 00-0049)*		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	74.07	8.95
		For Installation With Adhesive, Deduct	*-7.28*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	96.20	10.38
		For Installation With Adhesive, Deduct	*-8.96*	
		For Polished Finish, Add	*16.41*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	134.87	12.52
		For Installation With Adhesive, Deduct	*-11.75*	
		For Polished Finish, Add	*25.43*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	177.58	14.32
		For Installation With Adhesive, Deduct	*-14.61*	
		For Polished Finish, Add	*36.10*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	224.40	16.10
		For Installation With Adhesive, Deduct	*-17.66*	
		For Polished Finish, Add	*47.99*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	285.00	18.61
		For Installation With Adhesive, Deduct	*-21.69*	
		For Polished Finish, Add	*63.17*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	356.62	21.47
		For Installation With Adhesive, Deduct	*-26.42*	
		For Polished Finish, Add	*81.22*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	439.43	25.77
		For Installation With Adhesive, Deduct	*-32.28*	
		For Polished Finish, Add	*100.91*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	526.08	28.63
		For Installation With Adhesive, Deduct	*-37.76*	
		For Polished Finish, Add	*123.47*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	622.44	32.20
		For Installation With Adhesive, Deduct	*-44.01*	
		For Polished Finish, Add	*148.08*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	725.32	34.00
		For Installation With Adhesive, Deduct	*-49.87*	
		For Polished Finish, Add	*176.80*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	836.38	35.79
		For Installation With Adhesive, Deduct	*-56.13*	
		For Polished Finish, Add	*207.97*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,197.92	42.94
		For Installation With Adhesive, Deduct	*-77.07*	
		For Polished Finish, Add	*307.84*	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	83.65	8.95
		For Installation With Adhesive, Deduct	*-7.76*	
		For Polished Finish, Add	*14.36*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	112.61	10.38
		For Installation With Adhesive, Deduct	*-9.78*	
		For Polished Finish, Add	*21.33*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	164.54	12.52
		For Installation With Adhesive, Deduct	*-13.24*	
		For Polished Finish, Add	*34.33*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	225.71	14.32
		For Installation With Adhesive, Deduct	*-17.01*	
		For Polished Finish, Add	*50.54*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	304.38	16.10
		For Installation With Adhesive, Deduct	*-21.66*	
		For Polished Finish, Add	*71.99*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	379.75	18.61
		For Installation With Adhesive, Deduct	*-26.43*	
		For Polished Finish, Add	*91.60*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	478.45	21.47
		For Installation With Adhesive, Deduct	*-32.51*	
		For Polished Finish, Add	*117.77*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	590.79	25.77
		For Installation With Adhesive, Deduct	*-39.85*	
		For Polished Finish, Add	*146.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	711.29	28.63
		For Installation With Adhesive, Deduct	*-47.02*	
		For Polished Finish, Add	*179.03*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	844.56	32.20
		For Installation With Adhesive, Deduct	*-55.11*	
		For Polished Finish, Add	*214.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	990.52	34.00
		For Installation With Adhesive, Deduct	*-63.13*	
		For Polished Finish, Add	*256.36*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,113.67	35.79
		For Installation With Adhesive, Deduct	*-70.00*	
		For Polished Finish, Add	*291.16*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,557.07	42.94
		For Installation With Adhesive, Deduct	*-95.03*	
		For Polished Finish, Add	*415.59*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	70.37	8.95
		For Installation With Adhesive, Deduct	*-7.10*	
		For Polished Finish, Add	*10.37*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	91.65	10.38
		For Installation With Adhesive, Deduct	*-8.73*	
		For Polished Finish, Add	*15.04*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	117.53	12.52
		For Installation With Adhesive, Deduct	*-10.89*	
		For Polished Finish, Add	*20.23*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	150.62	14.32
		For Installation With Adhesive, Deduct	*-13.26*	
		For Polished Finish, Add	*28.01*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	183.72	16.10
		For Installation With Adhesive, Deduct	*-15.63*	
		For Polished Finish, Add	*35.79*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	224.85	18.61
		For Installation With Adhesive, Deduct	*-18.69*	
		For Polished Finish, Add	*45.13*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	269.16	21.47
		For Installation With Adhesive, Deduct	*-22.05*	
		For Polished Finish, Add	*54.98*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	322.65	25.77
		For Installation With Adhesive, Deduct	*-26.44*	
		For Polished Finish, Add	*65.87*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	375.59	28.63
		For Installation With Adhesive, Deduct	*-30.23*	
		For Polished Finish, Add	*78.32*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	438.32	32.20
		For Installation With Adhesive, Deduct	*-34.80*	
		For Polished Finish, Add	*92.84*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	507.72	34.00
		For Installation With Adhesive, Deduct	*-38.99*	
		For Polished Finish, Add	*111.52*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	578.85	35.79
		For Installation With Adhesive, Deduct	*-43.26*	
		For Polished Finish, Add	*130.71*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	790.75	42.94
		For Installation With Adhesive, Deduct	*-56.72*	
		For Polished Finish, Add	*185.69*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	82.47	8.95
		For Installation With Adhesive, Deduct	*-7.70*	
		For Polished Finish, Add	*14.00*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	109.20	10.38
		For Installation With Adhesive, Deduct	*-9.61*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	139.78	12.52
		For Installation With Adhesive, Deduct	*-12.00*	
		For Polished Finish, Add	*26.90*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	177.70	14.32
		For Installation With Adhesive, Deduct	*-14.61*	
		For Polished Finish, Add	*36.13*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	218.31	16.10
		For Installation With Adhesive, Deduct	*-17.36*	
		For Polished Finish, Add	*46.17*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	268.47	18.61
		For Installation With Adhesive, Deduct	*-20.87*	
		For Polished Finish, Add	*58.21*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	322.31	21.47
		For Installation With Adhesive, Deduct	*-24.70*	
		For Polished Finish, Add	*70.93*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	386.32	25.77
		For Installation With Adhesive, Deduct	*-29.62*	
		For Polished Finish, Add	*84.98*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	448.69	28.63
		For Installation With Adhesive, Deduct	*-33.89*	
		For Polished Finish, Add	*100.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	524.98	32.20
		For Installation With Adhesive, Deduct	*-39.13*	
		For Polished Finish, Add	*118.84*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	589.49	34.00
		For Installation With Adhesive, Deduct	*-43.07*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	674.70	35.79
		For Installation With Adhesive, Deduct	*-48.05*	
		For Polished Finish, Add	*159.47*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	926.92	42.94
		For Installation With Adhesive, Deduct	*-63.52*	
		For Polished Finish, Add	*226.54*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	98.03	8.95
		For Installation With Adhesive, Deduct	*-8.48*	
		For Polished Finish, Add	*18.67*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	131.76	10.38
		For Installation With Adhesive, Deduct	*-10.74*	
		For Polished Finish, Add	*27.08*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	169.45	12.52
		For Installation With Adhesive, Deduct	*-13.48*	
		For Polished Finish, Add	*35.81*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	221.58	14.32
		For Installation With Adhesive, Deduct	*-16.81*	
		For Polished Finish, Add	*49.30*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	274.38	16.10
		For Installation With Adhesive, Deduct	*-20.16*	
		For Polished Finish, Add	*62.99*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	339.17	18.61
		For Installation With Adhesive, Deduct	*-24.40*	
		For Polished Finish, Add	*79.42*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	408.44	21.47
		For Installation With Adhesive, Deduct	*-29.01*	
		For Polished Finish, Add	*96.77*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	489.53	25.77
		For Installation With Adhesive, Deduct	*-34.78*	
		For Polished Finish, Add	*115.94*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	581.84	28.63
		For Installation With Adhesive, Deduct	*-40.54*	
		For Polished Finish, Add	*140.20*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	682.81	32.20
		For Installation With Adhesive, Deduct	*-47.02*	
		For Polished Finish, Add	*166.19*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	764.21	34.00
		For Installation With Adhesive, Deduct	*-51.81*	
		For Polished Finish, Add	*188.47*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	879.48	35.79
		For Installation With Adhesive, Deduct	*-58.29*	
		For Polished Finish, Add	*220.90*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,217.83	42.94
		For Installation With Adhesive, Deduct	*-78.07*	
		For Polished Finish, Add	*313.82*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	47.95	12.01
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.99*	
		For >100, Deduct	*-7.18*	
		For Clear Glass Mount, Add	*19.15*	
		For Glow-In-Dark, Add	*47.88*	
		For Reflective Finish, Add	*53.87*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	65.06	12.01
		For >25 To 50, Deduct	*-4.11*	
		For >50 To 100, Deduct	*-10.26*	
		For >100, Deduct	*-12.32*	
		For Clear Glass Mount, Add	*32.84*	
		For Glow-In-Dark, Add	*82.10*	
		For Reflective Finish, Add	*92.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	92.42	12.01
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-17.10*	
		For >100, Deduct	*-20.52*	
		For Clear Glass Mount, Add	*54.73*	
		For Glow-In-Dark, Add	*136.82*	
		For Reflective Finish, Add	*153.92*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	126.62	12.01
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Clear Glass Mount, Add	*82.09*	
		For Glow-In-Dark, Add	*205.22*	
		For Reflective Finish, Add	*230.87*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	188.19	12.01
		For >25 To 50, Deduct	*-16.42*	
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-49.25*	
		For Clear Glass Mount, Add	*131.34*	
		For Glow-In-Dark, Add	*328.36*	
		For Reflective Finish, Add	*369.41*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	297.65	12.01
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Clear Glass Mount, Add	*218.91*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*615.69*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	434.46	12.01
		For >25 To 50, Deduct	*-41.05*	
		For >50 To 100, Deduct	*-102.61*	
		For >100, Deduct	*-123.14*	
		For Clear Glass Mount, Add	*328.36*	
		For Glow-In-Dark, Add	*820.90*	
		For Reflective Finish, Add	*923.51*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.48	0.01
		For Clear Glass Mount, Add	*0.37*	
		For Glow-In-Dark, Add	*0.92*	
		For Reflective Finish, Add	*1.04*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	54.79	12.01
		For >25 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-7.70*	
		For >100, Deduct	*-9.23*	
		For Glow-In-Dark, Add	*61.56*	
		For Reflective Finish, Add	*66.18*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	71.90	12.01
		For >25 To 50, Deduct	*-4.79*	
		For >50 To 100, Deduct	*-11.97*	
		For >100, Deduct	*-14.37*	
		For Glow-In-Dark, Add	*95.78*	
		For Reflective Finish, Add	*102.96*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	106.10	12.01
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Glow-In-Dark, Add	*164.18*	
		For Reflective Finish, Add	*176.49*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	140.31	12.01
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-34.89*	
		For Glow-In-Dark, Add	*232.60*	
		For Reflective Finish, Add	*250.05*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	191.61	12.01
		For >25 To 50, Deduct	*-16.76*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-50.28*	
		For Glow-In-Dark, Add	*335.20*	
		For Reflective Finish, Add	*360.34*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	242.92	12.01
		For >25 To 50, Deduct	*-21.89*	
		For >50 To 100, Deduct	*-54.73*	
		For >100, Deduct	*-65.67*	
		For Glow-In-Dark, Add	*437.82*	
		For Reflective Finish, Add	*470.66*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	297.65	12.01
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*588.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.32	0.01
		For Glow-In-Dark, Add	*0.60*	
		For Reflective Finish, Add	*0.65*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	106.10	12.01
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	126.62	12.01
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	160.83	12.01
		For >25 To 50, Deduct	*-13.68*	
		For >50 To 100, Deduct	*-34.21*	
		For >100, Deduct	*-41.05*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	192.98	12.01
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-50.69*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	2.16	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	52.34	12.01
		For >25 To 50, Deduct	*-2.83*	
		For >50 To 100, Deduct	*-7.08*	
		For >100, Deduct	*-8.50*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	61.29	12.01
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.21	12.01
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.30*	
		For >100, Deduct	*-14.76*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	97.07	12.01
		For >25 To 50, Deduct	*-7.31*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-21.92*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.97	0.12
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	29.97	12.01
		For >25 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-1.79*	
		For Glow-In-Dark, Add	*3.58*	
		For Reflective Finish, Add	*4.47*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	34.45	12.01
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-3.13*	
		For Glow-In-Dark, Add	*6.26*	
		For Reflective Finish, Add	*7.83*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	43.39	12.01
		For >25 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.85*	
		For >100, Deduct	*-5.81*	
		For Glow-In-Dark, Add	*11.63*	
		For Reflective Finish, Add	*14.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	53.83	12.01
		For >25 To 50, Deduct	*-2.98*	
		For >50 To 100, Deduct	*-7.46*	
		For >100, Deduct	*-8.95*	
		For Glow-In-Dark, Add	*17.89*	
		For Reflective Finish, Add	*22.37*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	85.14	12.01
		For >25 To 50, Deduct	*-6.11*	
		For >50 To 100, Deduct	*-15.28*	
		For >100, Deduct	*-18.34*	
		For Glow-In-Dark, Add	*36.68*	
		For Reflective Finish, Add	*45.85*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	98.56	12.01
		For >25 To 50, Deduct	*-7.46*	
		For >50 To 100, Deduct	*-18.64*	
		For >100, Deduct	*-22.37*	
		For Glow-In-Dark, Add	*44.73*	
		For Reflective Finish, Add	*55.91*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	116.45	12.01
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-23.11*	
		For >100, Deduct	*-27.73*	
		For Glow-In-Dark, Add	*55.46*	
		For Reflective Finish, Add	*69.33*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		For Glow-In-Dark, Add	*0.06*	
		For Reflective Finish, Add	*0.08*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	78.80	12.01
		For >25 To 50, Deduct	*-5.48*	
		For >50 To 100, Deduct	*-8.22*	
		For >100, Deduct	*-9.31*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	78.80	12.01
		For >25 To 50, Deduct	*-5.48*	
		For >50 To 100, Deduct	*-8.22*	
		For >100, Deduct	*-9.31*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	100.72	12.01
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-11.51*	
		For >100, Deduct	*-13.04*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	147.69	12.01
		For >25 To 50, Deduct	*-12.37*	
		For >50 To 100, Deduct	*-18.55*	
		For >100, Deduct	*-21.03*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	41.82	16.81
		For >25 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-2.46*	
		For Glow-In-Dark, Add	*4.92*	
		For Reflective Finish, Add	*6.15*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	48.53	16.81
		For >25 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-4.47*	
		For Glow-In-Dark, Add	*8.95*	
		For Reflective Finish, Add	*11.18*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	57.48	16.81
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.97*	
		For >100, Deduct	*-7.16*	
		For Glow-In-Dark, Add	*14.32*	
		For Reflective Finish, Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	70.90	16.81
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Glow-In-Dark, Add	*22.37*	
		For Reflective Finish, Add	*27.96*	

10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	42.57	16.81
		For >25 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-2.69*	
		For Glow-In-Dark, Add	*5.37*	
		For Reflective Finish, Add	*6.71*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	50.02	16.81
		For >25 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-4.92*	
		For Glow-In-Dark, Add	*9.84*	
		For Reflective Finish, Add	*12.30*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	66.42	16.81
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	72.39	16.81
		For >25 To 50, Deduct	*-3.88*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-11.63*	
		For Glow-In-Dark, Add	*23.26*	
		For Reflective Finish, Add	*29.08*	

10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	44.80	16.81
		For >25 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-3.35*	
		For Glow-In-Dark, Add	*6.71*	
		For Reflective Finish, Add	*8.39*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	55.98	16.81
		For >25 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-6.71*	
		For Glow-In-Dark, Add	*13.42*	
		For Reflective Finish, Add	*16.77*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.46	16.81
		For >25 To 50, Deduct	*-2.68*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-8.05*	
		For Glow-In-Dark, Add	*16.10*	
		For Reflective Finish, Add	*20.13*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	66.42	16.81
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	

10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.31	0.96
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.58*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.44	1.11
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.61*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.56	1.25
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.64*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.72	1.44
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.81*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.90	1.68
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.85*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.97	1.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.24*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.50	2.16
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.10	2.40
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.90*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.25	2.64
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.44*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	15.75	2.88
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*3.19*	
10 14 23 11-0078		Standoffs For Wall Signage *(10 14 23 11)*		
		Note: Excludes signage		
10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.98	7.15
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	19.58	7.15
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	19.73	7.15
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	20.74	7.15
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	21.34	7.15
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	22.54	7.15
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	22.36	8.58
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	24.02	8.58
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	25.37	8.58
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	26.80	8.58
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	28.75	8.58
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	31.16	8.58
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.19	7.15
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.64	7.15
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	23.72	8.58
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	24.17	8.58
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	26.20	8.58
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	26.50	8.58
10 14 23 11-0097		Removal And Reinstallation Of Building Signage *(10 14 23 11)*		
		Note: Includes storage and cleaning.		
10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	250.63	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	287.63	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	323.43	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	72.03	
10 14 23 11-0102		Building Sign *(10 14 23 11)*		
		Note: Includes 4" numbers painted on sign. Installed on building.		
10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	186.72	28.82
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	48.04	10.02
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	37.16	9.31
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	45.21	7.87
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	52.68	8.59
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	57.89	9.31
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	69.13	10.02
10 14 53		**Traffic Signage** *(10 14)*		
10 14 53 11		**Traffic Signage** *(10 14 53)*		
10 14 53 11-0001		Traffic Signs (Monterey County) *(10 14 53 11)*		
		Note: Excludes posts.		
10 14 53 11-0002	EA	Roadside Sign-One Post (Monterey County)	479.92	29.43
10 14 53 11-0003	EA	Install Roadside Sign Panel On Existing Post (Monterey County)	215.57	
10 14 53 11-0004		Solar Powered, Aluminum, Polycarbonate, LED Radar Speed Display Sign *(10 14 53 11)*		
		Note: Excludes posts.		
10 14 53 11-0005	EA	29" x 23" Sign Size, Solar Powered, Aluminum, Polycarbonate, LED Radar Speed Display Sign	5,304.61	21.62
10 14 53 11-0006		Traffic Signs *(10 14 53 11)*		
10 14 53 11-0007		Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0006)*		
		Note: Excludes posts.		
10 14 53 11-0008		Aluminum Engineer Grade Stop Signs *(10 14 53 11-0007)*		
10 14 53 11-0009	EA	18" x 18" Aluminum Engineer Grade Stop Sign	88.54	21.62
		For Hi-Intensity Grade, Add	*13.59*	
		For Diamond Grade, Add	*25.83*	
10 14 53 11-0010	EA	18" x 24" Aluminum Engineer Grade Stop Sign	104.88	22.86
		For Hi-Intensity Grade, Add	*17.78*	
		For Diamond Grade, Add	*33.77*	
10 14 53 11-0011	EA	24" x 24" Aluminum Engineer Grade Stop Sign	114.26	24.02
		For Hi-Intensity Grade, Add	*27.15*	
		For Diamond Grade, Add	*43.04*	
10 14 53 11-0012	EA	30" x 30" Aluminum Engineer Grade Stop Sign	135.25	25.26
		For Hi-Intensity Grade, Add	*10.18*	
		For Diamond Grade, Add	*55.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0013	EA	36" x 36" Aluminum Engineer Grade Stop Sign	188.77	26.42
		For Hi-Intensity Grade, Add	*29.90*	
		For Diamond Grade, Add	*93.79*	
10 14 53 11-0014		**Steel Engineer Grade Stop Signs** *(10 14 53 11-0007)*		
10 14 53 11-0015	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	139.32	21.62
10 14 53 11-0016	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	176.53	22.86
10 14 53 11-0017	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	187.43	24.02
10 14 53 11-0018	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	272.19	25.26
10 14 53 11-0019	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	348.54	26.42
10 14 53 11-0020		**Polyethylene Engineer Grade Stop Signs** *(10 14 53 11-0007)*		
10 14 53 11-0021	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	142.89	21.62
10 14 53 11-0022	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	185.65	22.86
10 14 53 11-0023	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	205.39	24.02
10 14 53 11-0024	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	273.01	25.26
10 14 53 11-0025		**Other Reflectorized Traffic Signs** *(10 14 53 11-0007)*		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0026		**Aluminum Engineer Grade Traffic Signs** *(10 14 53 11-0025)*		
10 14 53 11-0027	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	49.65	19.21
		For Hi-Intensity Grade, Add	*3.37*	
		For Diamond Grade, Add	*6.40*	
10 14 53 11-0028	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	55.27	19.21
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0029	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	55.27	19.21
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0030	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	59.47	19.21
		For Hi-Intensity Grade, Add	*6.31*	
		For Diamond Grade, Add	*11.99*	
10 14 53 11-0031	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	63.68	19.21
		For Hi-Intensity Grade, Add	*7.58*	
		For Diamond Grade, Add	*14.39*	
10 14 53 11-0032	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	74.50	20.41
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0033	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	108.17	20.41
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0034	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	60.88	19.21
		For Hi-Intensity Grade, Add	*6.74*	
		For Diamond Grade, Add	*12.80*	
10 14 53 11-0035	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	74.50	20.41
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0036	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	85.73	20.41
		For Hi-Intensity Grade, Add	*13.47*	
		For Diamond Grade, Add	*25.59*	
10 14 53 11-0037	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	96.95	20.41
		For Hi-Intensity Grade, Add	*16.84*	
		For Diamond Grade, Add	*31.99*	
10 14 53 11-0038	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	108.17	20.41
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0039	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	91.34	20.41
		For Hi-Intensity Grade, Add	*15.15*	
		For Diamond Grade, Add	*28.79*	
10 14 53 11-0040	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	108.17	20.41
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0041	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	127.41	21.62
		For Hi-Intensity Grade, Add	*25.25*	
		For Diamond Grade, Add	*47.98*	
10 14 53 11-0042	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	144.25	21.62
		For Hi-Intensity Grade, Add	*30.31*	
		For Diamond Grade, Add	*57.58*	
10 14 53 11-0043	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	187.53	26.42
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0044	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	204.36	26.42
		For Hi-Intensity Grade, Add	*45.46*	
		For Diamond Grade, Add	*86.37*	
10 14 53 11-0045	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	133.02	21.62
		For Hi-Intensity Grade, Add	*26.94*	
		For Diamond Grade, Add	*51.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0046	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	155.47	21.62
		For Hi-Intensity Grade, Add	*33.67*	
		For Diamond Grade, Add	*63.98*	
10 14 53 11-0047	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	177.92	21.62
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0048	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	209.97	26.42
		For Hi-Intensity Grade, Add	*47.14*	
		For Diamond Grade, Add	*89.56*	
10 14 53 11-0049	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	232.42	26.42
		For Hi-Intensity Grade, Add	*53.87*	
		For Diamond Grade, Add	*102.36*	
10 14 53 11-0050	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	254.87	26.42
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0051	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	277.32	26.42
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0052	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	183.53	21.62
		For Hi-Intensity Grade, Add	*42.09*	
		For Diamond Grade, Add	*79.97*	
10 14 53 11-0053	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	221.20	26.42
		For Hi-Intensity Grade, Add	*50.51*	
		For Diamond Grade, Add	*95.97*	
10 14 53 11-0054	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	249.26	26.42
		For Hi-Intensity Grade, Add	*58.93*	
		For Diamond Grade, Add	*111.96*	
10 14 53 11-0055	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	286.92	31.22
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0056	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	352.64	36.03
		For Hi-Intensity Grade, Add	*84.18*	
		For Diamond Grade, Add	*159.94*	
10 14 53 11-0057	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	254.87	26.42
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0058	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	298.14	31.22
		For Hi-Intensity Grade, Add	*70.71*	
		For Diamond Grade, Add	*134.35*	
10 14 53 11-0059	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	341.41	36.03
		For Hi-Intensity Grade, Add	*80.81*	
		For Diamond Grade, Add	*153.54*	
10 14 53 11-0060	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	375.09	36.03
		For Hi-Intensity Grade, Add	*90.92*	
		For Diamond Grade, Add	*172.74*	
10 14 53 11-0061	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	418.37	40.83
		For Hi-Intensity Grade, Add	*101.02*	
		For Diamond Grade, Add	*191.93*	
10 14 53 11-0062	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	500.93	45.63
		For Hi-Intensity Grade, Add	*122.90*	
		For Diamond Grade, Add	*233.51*	
10 14 53 11-0063	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	528.99	45.63
		For Hi-Intensity Grade, Add	*131.32*	
		For Diamond Grade, Add	*249.51*	
10 14 53 11-0064	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	711.76	52.84
		For Hi-Intensity Grade, Add	*181.83*	
		For Diamond Grade, Add	*345.47*	
10 14 53 11-0065	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	347.03	36.03
		For Hi-Intensity Grade, Add	*82.50*	
		For Diamond Grade, Add	*156.74*	
10 14 53 11-0066	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	440.82	40.83
		For Hi-Intensity Grade, Add	*107.75*	
		For Diamond Grade, Add	*204.73*	
10 14 53 11-0067	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	495.32	45.63
		For Hi-Intensity Grade, Add	*121.22*	
		For Diamond Grade, Add	*230.31*	
10 14 53 11-0068	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	540.22	45.63
		For Hi-Intensity Grade, Add	*134.69*	
		For Diamond Grade, Add	*255.91*	
10 14 53 11-0069	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	599.52	52.84
		For Hi-Intensity Grade, Add	*148.16*	
		For Diamond Grade, Add	*281.49*	
10 14 53 11-0070	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	644.42	52.84
		For Hi-Intensity Grade, Add	*161.63*	
		For Diamond Grade, Add	*307.09*	
10 14 53 11-0071	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	743.82	57.63
		For Hi-Intensity Grade, Add	*188.56*	
		For Diamond Grade, Add	*358.27*	
10 14 53 11-0072	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	833.61	57.63
		For Hi-Intensity Grade, Add	*215.50*	
		For Diamond Grade, Add	*409.45*	
10 14 53 11-0073	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	878.51	57.63
		For Hi-Intensity Grade, Add	*228.97*	
		For Diamond Grade, Add	*435.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0074	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	928.20	60.03
		For Hi-Intensity Grade, Add	*242.44*	
		For Diamond Grade, Add	*460.63*	
10 14 53 11-0075	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	788.72	57.63
		For Hi-Intensity Grade, Add	*202.03*	
		For Diamond Grade, Add	*383.86*	
10 14 53 11-0076	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,769.94	76.85
		For Hi-Intensity Grade, Add	*484.87*	
		For Diamond Grade, Add	*921.26*	
10 14 53 11-0077	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,287.37	60.03
		For Hi-Intensity Grade, Add	*350.19*	
		For Diamond Grade, Add	*665.36*	

10 14 53 11-0078 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0025)*

10 14 53 11-0079	EA	6" x 12" Reflective Polyethylene Traffic Sign	98.32	18.06
10 14 53 11-0080	EA	12" x 12" Reflective Polyethylene Traffic Sign	112.76	19.21
10 14 53 11-0081	EA	12" x 18" Reflective Polyethylene Traffic Sign	120.84	20.46
10 14 53 11-0082	EA	18" x 18" Reflective Polyethylene Traffic Sign	148.17	21.62
10 14 53 11-0083	EA	18" x 24" Reflective Polyethylene Traffic Sign	185.65	22.86
10 14 53 11-0084	EA	24" x 24" Reflective Polyethylene Traffic Sign	209.99	22.86

10 14 53 11-0085 Non-Reflectorized Traffic Signs *(10 14 53 11-0006)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0086 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0085)*

10 14 53 11-0087	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	47.47	19.21
10 14 53 11-0088	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	51.99	19.21
10 14 53 11-0089	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	51.99	19.21
10 14 53 11-0090	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	55.38	19.21
10 14 53 11-0091	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	58.77	19.21
10 14 53 11-0092	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	67.95	20.41
10 14 53 11-0093	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	95.06	20.41
10 14 53 11-0094	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	56.51	19.21
10 14 53 11-0095	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	67.95	20.41
10 14 53 11-0096	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	76.99	20.41
10 14 53 11-0097	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	86.02	20.41
10 14 53 11-0098	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	95.06	20.41
10 14 53 11-0099	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	81.50	20.41
10 14 53 11-0100	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	95.06	20.41
10 14 53 11-0101	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	111.02	21.62
10 14 53 11-0102	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	124.58	21.62
10 14 53 11-0103	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	161.31	26.42
10 14 53 11-0104	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	174.86	26.42
10 14 53 11-0105	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	115.54	21.62
10 14 53 11-0106	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	133.62	21.62
10 14 53 11-0107	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	151.70	21.62
10 14 53 11-0108	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	179.38	26.42
10 14 53 11-0109	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	197.46	26.42
10 14 53 11-0110	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	215.54	26.42
10 14 53 11-0111	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	233.62	26.42
10 14 53 11-0112	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	156.22	21.62
10 14 53 11-0113	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	188.42	26.42
10 14 53 11-0114	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	211.02	26.42
10 14 53 11-0115	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	243.22	31.22
10 14 53 11-0116	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	298.01	36.03
10 14 53 11-0117	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	215.54	26.42
10 14 53 11-0118	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	252.26	31.22
10 14 53 11-0119	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	288.97	36.03
10 14 53 11-0120	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	316.09	36.03
10 14 53 11-0121	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	352.81	40.83
10 14 53 11-0122	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	421.18	45.63
10 14 53 11-0123	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	443.77	45.63
10 14 53 11-0124	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	593.77	52.84
10 14 53 11-0125	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	293.49	36.03
10 14 53 11-0126	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	370.89	40.83
10 14 53 11-0127	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	416.66	45.63
10 14 53 11-0128	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	452.81	45.63
10 14 53 11-0129	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	503.38	52.84
10 14 53 11-0130	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	539.53	52.84
10 14 53 11-0131	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	621.45	57.63
10 14 53 11-0132	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	693.76	57.63
10 14 53 11-0133	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	729.92	57.63
10 14 53 11-0134	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	770.88	60.03
10 14 53 11-0135	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	657.61	57.63
10 14 53 11-0136	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,455.29	76.85
10 14 53 11-0137	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	1,060.12	60.03

10 14 53 11-0138 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0085)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0139	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	47.84	19.21
10 14 53 11-0140	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	52.54	19.21
10 14 53 11-0141	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	52.54	19.21
10 14 53 11-0142	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	56.07	19.21
10 14 53 11-0143	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	59.60	19.21
10 14 53 11-0144	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	69.05	20.41
10 14 53 11-0145	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	97.27	20.41
10 14 53 11-0146	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	57.24	19.21
10 14 53 11-0147	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	69.05	20.41
10 14 53 11-0148	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	78.46	20.41
10 14 53 11-0149	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	87.87	20.41
10 14 53 11-0150	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	97.27	20.41
10 14 53 11-0151	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	83.16	20.41
10 14 53 11-0152	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	97.27	20.41
10 14 53 11-0153	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	113.78	21.62
10 14 53 11-0154	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	127.89	21.62
10 14 53 11-0155	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	165.73	26.42
10 14 53 11-0156	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	179.84	26.42
10 14 53 11-0157	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	118.49	21.62
10 14 53 11-0158	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	137.30	21.62
10 14 53 11-0159	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	156.12	21.62
10 14 53 11-0160	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	184.54	26.42
10 14 53 11-0161	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	203.35	26.42
10 14 53 11-0162	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	222.17	26.42
10 14 53 11-0163	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	240.98	26.42
10 14 53 11-0164	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	160.82	21.62
10 14 53 11-0165	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	193.95	26.42
10 14 53 11-0166	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	217.47	26.42
10 14 53 11-0167	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	250.58	31.22
10 14 53 11-0168	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	307.22	36.03
10 14 53 11-0169	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	222.17	26.42
10 14 53 11-0170	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	259.99	31.22
10 14 53 11-0171	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	297.81	36.03
10 14 53 11-0172	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	326.03	36.03
10 14 53 11-0173	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	363.87	40.83
10 14 53 11-0174	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	434.62	45.63
10 14 53 11-0175	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	458.14	45.63
10 14 53 11-0176	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	613.66	52.84
10 14 53 11-0177	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	302.52	36.03
10 14 53 11-0178	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	382.68	40.83
10 14 53 11-0179	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	429.92	45.63
10 14 53 11-0180	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	467.55	45.63
10 14 53 11-0181	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	519.59	52.84
10 14 53 11-0182	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	557.21	52.84
10 14 53 11-0183	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	642.08	57.63
10 14 53 11-0184	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	717.34	57.63
10 14 53 11-0185	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	754.97	57.63
10 14 53 11-0186	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	797.40	60.03
10 14 53 11-0187	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	679.71	57.63
10 14 53 11-0188	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,508.33	76.85
10 14 53 11-0189	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,098.43	60.03
10 14 53 11-0190		**Polyethylene Non-Reflectorized Traffic Signs** *(10 14 53 11-0085)*		
10 14 53 11-0191	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	80.75	18.06
10 14 53 11-0192	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	88.68	19.21
10 14 53 11-0193	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	95.73	20.46
10 14 53 11-0194	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	130.21	21.62
10 14 53 11-0195	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	139.82	22.86
10 14 53 11-0196	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	164.20	24.02
10 14 53 11-0197		**Signs For Overhead Sign Structures** *(10 14 53 11-0006)*		
		Note: Including horizontal Z-bars.		
10 14 53 11-0198	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
		For Over 10' High, Add	*13.00*	
10 14 53 11-0199	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
10 14 53 11-0200		**Flashing Beacon** *(10 14 53 11-0006)*		
10 14 53 11-0201	EA	8" Diameter LED Flashing Beacon	1,435.88	217.24
		Note: Excludes sign and post		
10 14 53 11-0202		**Rectangular Rapid Flashing Beacons (RRFB)** *(10 14 53 11-0006)*		
10 14 53 11-0203	EA	2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB)	1,749.35	217.24
		Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0204	EA	3.5″(h) x 20″(w) x 3″(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post	3,695.25	217.24
10 14 53 11-0205		**Aluminum Street Signs** *(10 14 53 11-0006)* Note: Excludes posts.		
10 14 53 11-0206		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0205)*		
10 14 53 11-0207	EA	6" High, Aluminum Engineer Grade Street Sign	112.03	9.61
		For Diamond Grade, Add	*52.91*	
10 14 53 11-0208	EA	8" High, Aluminum Engineer Grade Street Sign	128.42	9.61
		For Diamond Grade, Add	*62.25*	
10 14 53 11-0209	EA	9" High, Aluminum Engineer Grade Street Sign	140.61	9.61
		For Diamond Grade, Add	*69.20*	
10 14 53 11-0210		**Street Sign Accessories** *(10 14 53 11-0205)*		
10 14 53 11-0211	EA	Single Bracket And Post Cap For Street Sign	31.94	4.80
10 14 53 11-0212	EA	Double Bracket And Post Cap For Street Sign	31.94	4.80
10 14 53 11-0213		**Sign Posts** *(10 14 53 11-0006)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill., 32 31 13 13-0019 for concrete fill.		
10 14 53 11-0214		**U-Channel Sign Posts** *(10 14 53 11-0213)* Note: Excludes digging and concrete.		
10 14 53 11-0215		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0214)*		
10 14 53 11-0216	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	77.98	19.62
10 14 53 11-0217	EA	6' Baked Enamel U-Channel Sign Post	103.53	24.53
10 14 53 11-0218	EA	7' Baked Enamel U-Channel Sign Post	123.47	29.43
10 14 53 11-0219	EA	8' Baked Enamel U-Channel Sign Post	144.69	34.34
10 14 53 11-0220	EA	10' Baked Enamel U-Channel Sign Post	174.34	41.70
10 14 53 11-0221	EA	12' Baked Enamel U-Channel Sign Post	180.55	41.70
10 14 53 11-0222		**Galvanized Steel U-Channel Sign Posts** *(10 14 53 11-0214)*		
10 14 53 11-0223	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	85.96	19.62
10 14 53 11-0224	EA	6' Galvanized Steel U-Channel Sign Post	116.20	24.53
10 14 53 11-0225	EA	7' Galvanized Steel U-Channel Sign Post	152.13	29.43
10 14 53 11-0226	EA	8' Galvanized Steel U-Channel Sign Post	176.38	34.34
10 14 53 11-0227	EA	10' Galvanized Steel U-Channel Sign Post	197.40	41.70
10 14 53 11-0228	EA	12' Galvanized Steel U-Channel Sign Post	200.61	41.70
10 14 53 11-0229		**Fiberglass Or Composite Plastic U-Channel Sign Posts** *(10 14 53 11-0214)*		
10 14 53 11-0230	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	76.10	19.62
10 14 53 11-0231	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	99.43	24.53
10 14 53 11-0232	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	118.52	29.43
10 14 53 11-0233	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	138.80	34.34
10 14 53 11-0234	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	163.65	41.70
10 14 53 11-0235	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	174.21	41.70
10 14 53 11-0236		**Tubular Sign Posts** *(10 14 53 11-0213)* Note: Excludes digging and concrete.		
10 14 53 11-0237		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0236)*		
10 14 53 11-0238	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	117.51	24.53
10 14 53 11-0239	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	139.12	29.43
10 14 53 11-0240	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	164.76	34.34
10 14 53 11-0241	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	214.74	41.70
10 14 53 11-0242	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	236.50	41.70
10 14 53 11-0243		**Square Sign Posts** *(10 14 53 11-0213)* Note: Excludes digging and concrete.		
10 14 53 11-0244		**Galvanized Steel Square Sign Posts** *(10 14 53 11-0243)*		
10 14 53 11-0245	EA	3' To 4' Galvanized Steel Square Sign Post Base	87.74	19.62
10 14 53 11-0246	EA	6' Galvanized Steel Square Sign Post	146.22	24.53
10 14 53 11-0247	EA	7' Galvanized Steel Square Sign Post	170.80	29.43
10 14 53 11-0248	EA	8' Galvanized Steel Square Sign Post	199.23	34.34
10 14 53 11-0249	EA	10' Galvanized Steel Square Sign Post	243.51	41.70
10 14 53 11-0250	EA	12' Galvanized Steel Square Sign Post	258.70	41.70
10 14 53 11-0251		**Other Sign Posts And Bases** *(10 14 53 11-0006)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0252		**2.5 Lb./FT Breakaway Sign Posts And Base Posts** *(10 14 53 11-0251)*		
10 14 53 11-0253		**Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts** *(10 14 53 11-0252)*		
10 14 53 11-0254	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	100.45	24.02
10 14 53 11-0255	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	62.03	19.21
10 14 53 11-0256		**Breakaway Sign Posts, 2.5 Lb./LF** *(10 14 53 11-0252)*		
10 14 53 11-0257	LF	2.5 Lb./LF Breakaway Sign Post	12.96	2.40
10 14 53 11-0258		**4 Lb./FT Breakaway Sign Posts And Base Posts** *(10 14 53 11-0251)*		
10 14 53 11-0259		**Base Posts, 4 Lb./LF, For Breakaway Sign Posts** *(10 14 53 11-0258)*		
10 14 53 11-0260	EA	Base Post For 4 Lb./LF Breakaway Sign Post	105.20	28.82
10 14 53 11-0261	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	62.03	19.21
10 14 53 11-0262		**Breakaway Sign Posts, 4 Lb./LF** *(10 14 53 11-0258)*		
10 14 53 11-0263	LF	4 Lb./LF Breakaway Sign Post	15.91	2.40
10 14 53 11-0264		**Driven Sign Posts** *(10 14 53 11-0251)*		
10 14 53 11-0265		**Driven Posts, 2.5 Lb./LF** *(10 14 53 11-0264)*		
10 14 53 11-0266	LF	2.5 Lb./LF Driven Post	13.93	3.37
10 14 53 11-0267		**Driven Posts, 4 Lb./LF** *(10 14 53 11-0264)*		
10 14 53 11-0268	LF	4 Lb./LF Driven Post	17.35	3.84
10 14 53 11-0269		**Omni-Directional Breakaway System For Sign Posts And Light Poles** *(10 14 53 11-0251)*		
10 14 53 11-0270		**Omni-Directional Breakaway Systems For Signs** *(10 14 53 11-0269)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0271	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,508.82	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,607.64	
10 14 53 11-0273	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,102.16	
10 14 53 11-0274	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	965.34	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,094.56	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	1,041.35	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,128.76	
10 14 53 11-0278		**Omni-Directional Breakaway Systems For Poles** *(10 14 53 11-0269)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0279	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	508.96	
10 14 53 11-0280	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	533.58	
10 14 53 11-0281	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	554.12	
10 14 53 11-0282	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	841.43	
10 14 53 11-0283	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	73.88	
10 14 53 11-0284	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	98.51	
10 14 53 11-0285		**Sign Post Accessories** *(10 14 53 11-0006)*		
10 14 53 11-0286		**Sign Post Brackets** *(10 14 53 11-0285)*		
10 14 53 11-0287	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	65.21	7.21
10 14 53 11-0288	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	85.07	12.01
10 14 53 11-0289	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	78.04	9.61
10 14 53 11-0290		**Sign Post Caps** *(10 14 53 11-0285)*		
10 14 53 11-0291	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	28.56	4.80
10 14 53 11-0292		**Sign Post Replacement Bolts** *(10 14 53 11-0285)*		
10 14 53 11-0293	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	18.69	
10 14 53 11-0294		**Removal Of Signs** *(10 14 53 11)* Note: Includes structural supports and foundations.		
10 14 53 11-0295	EA	>4 To 10 SF Sign Area, Sign Removal	192.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0296	EA	>10 To 20 SF Sign Area, Sign Removal	461.10	
10 14 53 11-0297	EA	>20 To 40 SF Sign Area, Sign Removal	691.66	
10 14 53 11-0298	EA	>40 To 100 SF Sign Area, Sign Removal	1,197.36	

10 14 53 11-0299 Removal And Reinstallation Of Signs *(10 14 53 11)*
Note: Includes structural supports and foundations

10 14 53 11-0300	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	295.16	
10 14 53 11-0301	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	696.62	
10 14 53 11-0302	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,041.71	
10 14 53 11-0303	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,799.98	
10 14 53 11-0304	EA	Removal And Reinstallation Of Street Sign On Post	110.47	
10 14 53 11-0305	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	411.25	

10 14 56 Bridge Signage *(10 14)*

10 14 56 00-0001 Bridge And Truss Mounted Signs *(10 14 56)*

10 14 56 00-0002 Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*

10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	18.82	
10 14 56 00-0004	LF	Removal Of Truss And Supports	252.72	
10 14 56 00-0005	SF	Removal Of Sign Face	11.55	
10 14 56 00-0006	SF	Removal Of Legend	19.25	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	222.17	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	115.52	

10 14 56 00-0009 Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*

10 14 56 00-0010 One Color/3 Dimensional Demountable Letters *(10 14 56 00-0009)*

10 14 56 00-0011	EA	6" Capital Height Letter	31.05	
10 14 56 00-0012	EA	8" Capital Height Letter	36.48	
10 14 56 00-0013	EA	10" Capital Height Letter	41.89	
10 14 56 00-0014	EA	12" Capital Height Letter	46.75	
10 14 56 00-0015	EA	14" Capital Height Letter	49.40	

10 14 56 00-0016 Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0009)*

10 14 56 00-0017	EA	6" Legend/Shields	31.94	
10 14 56 00-0018	EA	8" Legend/Shields	37.67	
10 14 56 00-0019	EA	10" Legend/Shields	43.38	
10 14 56 00-0020	EA	12" Legend/Shields	48.53	
10 14 56 00-0021	EA	14" Legend/Shields	51.50	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,129.17	161.12
		For >10, Deduct	*-80.69*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,359.07	175.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,449.90	182.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*
Note: Includes head rail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,185.45	196.93
		For >10, Deduct	*-79.16*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,371.26	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,447.90	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0011		**Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,399.26	232.73
		For >10, Deduct	*-93.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,623.19	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,703.12	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0015		**Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,366.99	268.53
		For >10, Deduct	*-82.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,627.57	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,716.17	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0019		**Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0020		**Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	602.91	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	667.08	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	733.11	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0024		**Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	351.94	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	379.69	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	401.65	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	448.60	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	498.51	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	532.00	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	565.48	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	560.74	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	601.89	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	664.12	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)*		
		Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	348.63	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	356.30	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	377.85	30.79
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	412.35	30.79
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	420.01	30.79
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	258.43	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	284.76	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	311.10	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	337.41	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	363.74	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	390.08	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	414.49	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	440.82	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	459.48	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	470.01	73.04
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	483.89	75.19
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	527.46	78.77
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	565.30	82.35
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	192.47	21.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	213.04	25.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	235.54	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	273.37	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	309.28	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	345.19	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	442.44	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	507.10	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	544.93	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	156.06	21.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	170.87	25.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	187.63	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	212.04	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	234.53	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	258.94	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	317.85	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	357.59	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	382.01	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0079		96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*		
10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	216.38	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	236.95	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	259.45	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	297.27	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	333.18	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	369.09	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	466.35	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	531.00	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	568.83	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 14		**Stainless-Steel Toilet Compartments** *(10 21 13)*		
10 21 13 14-0001		Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*		
		Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002		Stainless Steel Toilet Partitions *(10 21 13 14-0001)*		
10 21 13 14-0003		Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*		
10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,535.90	161.12
		For >10, Deduct	*-221.37*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*774.78*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,055.50	175.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*946.61*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,199.92	182.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*992.15*	
10 21 13 14-0007		Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*		
		Note: Includes head rail.		
10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,167.67	196.93
		For >10, Deduct	*-177.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*620.84*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,628.89	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*772.24*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,860.71	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*848.36*	
10 21 13 14-0011		Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,988.91	232.73
		For >10, Deduct	*-252.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*883.21*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,204.85	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*948.76*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,353.43	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*995.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0015		**Ceiling Hung, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	3,004.12	268.53
		For >10, Deduct	*-246.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*863.47*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,641.62	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,076.57*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,826.73	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,136.35*	
10 21 13 14-0019		**Stainless Steel Urinal Screens** *(10 21 13 14-0001)*		
10 21 13 14-0020		**Floor Anchored, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	853.01	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	963.51	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	985.68	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*264.83*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	634.76	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*162.05*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	686.90	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*175.28*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	749.42	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*192.16*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,014.67	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*290.00*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,064.41	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*302.40*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,113.91	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*314.72*	
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	853.01	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	963.49	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,078.49	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*297.31*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
		See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	550.97	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*172.79*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	628.94	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*200.08*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	646.90	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*203.86*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	669.41	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*211.74*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	675.67	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*213.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels *(10 21 13 14-0036)*

10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	482.07	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*138.65*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	534.98	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*154.66*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	557.97	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*160.20*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	583.93	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*166.78*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	626.63	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.22*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	676.11	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*194.03*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	788.78	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*230.96*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	862.80	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*254.36*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	885.80	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*259.90*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	929.14	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*274.07*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	986.22	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*292.54*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,033.35	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*306.53*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,132.52	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*338.74*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	331.56	21.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*101.01*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	361.58	25.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*109.01*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	393.39	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	448.06	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*134.26*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	502.73	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*150.89*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	557.40	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*167.52*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	705.33	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*216.79*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	807.52	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*250.05*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	862.20	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*266.68*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	255.08	21.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*74.24*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	276.75	25.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*79.32*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	299.17	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*84.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	386.84	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*112.84*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	436.42	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*127.68*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	452.38	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*130.76*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	512.07	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*149.15*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	577.00	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*169.37*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	612.82	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.40*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	365.23	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*107.78*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	400.55	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	434.10	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*126.87*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	497.57	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*146.58*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	559.28	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*165.67*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	620.99	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*184.77*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	795.33	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*243.27*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	911.58	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*281.46*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	975.05	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*301.17*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,630.75	161.12
		For >10, Deduct	*-130.85*	
		For Cast Stainless Steel Hardware, Add	*215.64*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,994.43	175.44
		For Cast Stainless Steel Hardware, Add	*215.66*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,146.34	182.60
		For Cast Stainless Steel Hardware, Add	*215.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes head rail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,766.25	196.93
		For >10, Deduct	*-137.24*	
		For Cast Stainless Steel Hardware, Add	*215.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,145.87	211.25
		For Cast Stainless Steel Hardware, Add	*215.72*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,309.77	218.41
		For Cast Stainless Steel Hardware, Add	*215.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0011		**Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,361.77	268.53
		For >10, Deduct	*-182.47*	
		For Cast Stainless Steel Hardware, Add	*215.81*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,753.70	282.86
		For Cast Stainless Steel Hardware, Add	*215.84*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,905.60	290.02
		For Cast Stainless Steel Hardware, Add	*215.85*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	688.42	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	750.62	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	774.30	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	535.01	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	563.01	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	589.76	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	709.33	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	778.23	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	852.87	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	655.00	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	718.55	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	741.47	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	541.04	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	588.04	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	608.02	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	622.55	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	636.23	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	276.45	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	305.77	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	335.09	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	365.52	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	393.71	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	424.28	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	434.05	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	445.45	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	468.89	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	488.37	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	510.20	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	581.46	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	662.13	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	225.02	21.48
		For 1-1/4" Pilaster, Add	*15.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*182.05*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	259.52	25.06
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	266.69	28.64
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	294.36	32.22
		For 1-1/4" Pilaster, Add	*18.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*229.91*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	307.50	35.81
		For 1-1/4" Pilaster, Add	*19.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*235.89*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	334.32	39.39
		For 1-1/4" Pilaster, Add	*21.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*255.55*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	425.24	42.97
		For 1-1/4" Pilaster, Add	*27.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*339.31*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	514.44	46.54
		For 1-1/4" Pilaster, Add	*34.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*421.35*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	577.17	50.12
		For 1-1/4" Pilaster, Add	*39.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*476.91*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	440.39	21.48
		For 1-1/4" Pilaster, Add	*32.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*397.42*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	486.86	25.06
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	494.03	28.64
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	534.52	32.22
		For 1-1/4" Pilaster, Add	*38.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*470.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	583.56	35.81
		For 1-1/4" Pilaster, Add	*42.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*511.95*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	623.20	39.39
		For 1-1/4" Pilaster, Add	*44.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*544.43*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	775.24	42.97
		For 1-1/4" Pilaster, Add	*56.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*689.31*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	882.81	46.54
		For 1-1/4" Pilaster, Add	*65.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*789.72*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	906.22	50.12
		For 1-1/4" Pilaster, Add	*66.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*805.96*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,146.02	196.93
		For >10, Deduct	*-175.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,086.35*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,636.12	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,372.45*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,918.30	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,538.52*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,151.26	232.73
		For >10, Deduct	*-168.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,045.20*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,684.22	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,357.87*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,966.38	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,523.94*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,261.08	268.53
		For >10, Deduct	*-172.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,068.89*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,676.10	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,308.44*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,958.25	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,474.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0015		Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	507.44	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*208.12*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	534.99	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*216.31*	
10 21 13 19-0019		Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	642.35	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	808.73	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	897.93	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*423.59*	
10 21 13 19-0023		Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	656.67	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	823.04	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	974.35	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*462.10*	
10 21 13 19-0027		Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028		Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	508.29	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*279.62*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	549.33	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*305.06*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	597.23	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*330.32*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	680.29	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*381.82*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	699.94	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*394.00*	
10 21 13 19-0034		Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	185.89	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*61.98*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	293.02	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*123.96*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	400.13	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*185.92*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	466.24	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*222.47*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	563.12	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*278.10*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	601.67	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*297.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	674.75	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*338.43*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	759.87	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*386.76*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	829.47	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*425.48*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	847.46	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*434.85*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	875.93	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*449.84*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	988.93	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*515.46*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	1,065.40	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*558.43*	
10 21 13 19-0048		**82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	235.53	21.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*119.39*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	261.99	25.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*131.36*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	285.09	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*141.24*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	306.48	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*150.06*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	344.05	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*168.91*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	381.59	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*187.75*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	522.13	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*270.44*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	589.94	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*308.05*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	642.27	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*336.05*	
10 21 13 19-0058		**96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	287.92	28.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*142.99*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	317.04	32.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*156.61*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	349.25	35.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*172.14*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	395.54	39.39
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*196.40*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	442.27	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*220.93*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	488.57	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*245.20*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	624.74	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*325.18*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	698.65	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*366.57*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	759.56	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*399.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0068		**Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens** *(10 21 13 19)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069		**Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions** *(10 21 13 19-0068)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070		**Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Includes head rail.		
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,759.28	196.93
		For >10, Deduct	*-236.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,466.57*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,410.91	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,852.82*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,786.83	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,077.01*	
10 21 13 19-0074		**Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,741.29	232.73
		For >10, Deduct	*-227.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,411.01*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,450.75	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,833.12*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,826.66	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,057.31*	
10 21 13 19-0078		**Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,864.50	268.53
		For >10, Deduct	*-232.74*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,443.01*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,414.72	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,766.38*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,790.61	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,990.56*	
10 21 13 19-0082		**Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0068)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083		**Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	624.91	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*280.95*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	652.79	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*289.35*	
10 21 13 19-0086		**Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,007.32	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,145.16	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*585.75*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,220.90	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	
10 21 13 19-0090		**Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	816.34	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*381.88*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,035.95	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,235.21	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	
10 21 13 19-0094		**Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	666.13	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*377.48*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	721.56	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*411.85*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	783.70	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*445.94*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	895.84	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*515.46*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	922.37	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*531.91*	
10 21 13 19-0101		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	220.87	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*83.66*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	362.99	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*167.34*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	505.10	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*251.00*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	591.82	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*300.33*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	720.09	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*375.42*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	769.63	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*401.69*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	865.79	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*456.87*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	978.22	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*522.14*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,069.66	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*574.39*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,092.94	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*587.05*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,129.86	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*607.28*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,279.94	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*695.89*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,380.64	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*753.88*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0115		82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*			
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		302.92	21.48
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*161.17*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		336.14	25.06
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*177.33*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		364.81	28.64
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*190.66*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		420.90	32.22
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*221.00*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		472.85	35.81
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*248.77*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		524.74	39.39
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*276.50*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		674.79	42.97
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*365.09*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		763.84	46.54
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*415.87*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		831.97	50.12
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*453.66*	
10 21 13 19-0125		96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*			
10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		368.64	28.64
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*193.04*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		405.45	32.22
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*211.42*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		446.44	35.81
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*232.39*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		506.43	39.39
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*265.15*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		567.00	42.97
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*298.26*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		626.97	46.54
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*331.01*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		808.33	50.12
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*439.00*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		905.58	53.70
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*494.87*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		985.29	57.29
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*539.85*	
10 21 13 19-0135		Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*			
		Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.			
10 21 13 19-0136		Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*			
		Note: Includes all standard Bobrick colors.			
10 21 13 19-0137		Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*			
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition		2,475.17	161.12
		For >10, Deduct		*-215.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*268.37*	
		For NFPA Class A, Add		*468.23*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,040.55	175.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*268.37*	
		For NFPA Class A, Add		*582.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,395.03	182.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*654.52*	
10 21 13 19-0141		**Overhead Braced, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Includes head rail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,748.04	196.93
		For >10, Deduct	*-235.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*514.07*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,335.87	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*632.93*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,707.49	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*708.68*	
10 21 13 19-0145		**Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,838.04	232.73
		For >10, Deduct	*-237.26*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*521.51*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,421.70	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*639.50*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,776.18	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*711.65*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,799.83	268.53
		For >10, Deduct	*-226.28*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*502.03*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,364.81	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*616.09*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,719.29	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*688.25*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	902.10	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*157.38*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,019.82	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*179.81*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,223.02	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*220.19*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	576.90	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*93.66*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	668.13	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*110.53*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	803.06	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*136.58*	
10 21 13 19-0162		**Wall Hung And Post Supported, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	585.94	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*93.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	733.52	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*121.97*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	857.44	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*145.71*	
10 21 13 19-0166		**Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	928.22	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*165.15*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,046.67	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*187.74*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,253.73	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*228.93*	
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	670.95	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*131.73*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	694.02	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*136.58*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	760.39	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*149.37*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	820.56	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*162.01*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	882.37	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*174.99*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	213.82	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*31.15*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	284.88	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*44.93*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	387.91	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*65.42*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	492.01	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*86.14*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	548.61	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*96.88*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	608.05	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*108.21*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	709.43	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*128.36*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	813.82	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*149.13*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	867.98	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*159.36*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	892.22	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*163.99*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	909.33	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*166.90*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,046.40	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*194.54*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,263.81	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*239.05*	
10 21 13 19-0191		**69" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	319.03	21.48
		For 1" Pilaster, Add	*34.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*60.12*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	367.20	25.06
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*69.09*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	374.37	28.64
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*69.45*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	433.67	32.22
		For 1" Pilaster, Add	*46.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*80.76*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	487.84	35.81
		For 1" Pilaster, Add	*52.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*90.99*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	542.00	39.39
		For 1" Pilaster, Add	*57.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*101.22*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	693.60	42.97
		For 1" Pilaster, Add	*75.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*131.91*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	852.04	46.54
		For 1" Pilaster, Add	*94.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*164.03*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	895.11	50.12
		For 1" Pilaster, Add	*99.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*171.93*	
10 21 13 19-0201		**83" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	349.80	21.48
		For 1" Pilaster, Add	*38.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*66.58*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	409.94	25.06
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*78.07*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	417.11	28.64
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*78.43*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	483.24	32.22
		For 1" Pilaster, Add	*52.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*91.17*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	545.95	35.81
		For 1" Pilaster, Add	*59.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*103.19*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	609.11	39.39
		For 1" Pilaster, Add	*66.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*115.31*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	793.60	42.97
		For 1" Pilaster, Add	*88.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*152.91*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	945.65	46.54
		For 1" Pilaster, Add	*106.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*183.69*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	994.69	50.12
		For 1" Pilaster, Add	*111.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*192.84*	
10 21 13 19-0211		**96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	394.89	28.64
		For 1" Pilaster, Add	*42.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*73.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	467.00	32.22
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*87.76*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	474.16	35.81
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*88.12*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	547.13	39.39
		For 1" Pilaster, Add	*58.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*102.29*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	618.39	42.97
		For 1" Pilaster, Add	*66.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*116.11*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	690.51	46.54
		For 1" Pilaster, Add	*74.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*130.11*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	907.93	50.12
		For 1" Pilaster, Add	*100.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*174.62*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	1,053.54	53.70
		For 1" Pilaster, Add	*118.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*204.06*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	1,108.56	57.29
		For 1" Pilaster, Add	*124.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*214.47*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,733.52	161.12
		For >10, Deduct	*-241.13*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,363.31	175.44
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,758.61	182.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,030.54	196.93
		For >10, Deduct	*-263.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,685.48	211.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,099.97	218.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,122.75	232.73
		For >10, Deduct	*-265.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,773.02	247.05
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,168.32	254.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions
(10 21 13 19-0222)
Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,071.36	268.53
		For >10, Deduct	*-253.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,700.71	282.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,096.00	290.02
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens *(10 21 13 19-0221)*
Note: Includes all standard Bobrick colors.

10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	986.30	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,116.44	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,342.30	114.52
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	625.51	85.89
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	725.97	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	875.38	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	633.92	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	797.50	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	934.56	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,017.28	93.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,148.23	100.21
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,378.41	107.36
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)*
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.

10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*

10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	744.59	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	770.43	28.64
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	843.91	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	911.30	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	980.52	32.22
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0263		**Solid Color Reinforced Composite, Toilet Partition Panels** *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	229.17	42.97
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	307.89	46.54
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	422.43	50.12
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	538.17	53.70
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	600.69	57.29
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	666.41	60.87
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	779.09	64.45
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	895.15	68.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	954.96	71.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	981.76	73.04
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,000.41	75.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,153.07	78.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,395.71	82.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0277		**69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	352.16	21.48
		For 1" Pilaster, Add	*38.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	405.25	25.06
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	412.42	28.64
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	477.98	32.22
		For 1" Pilaster, Add	*51.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	537.78	35.81
		For 1" Pilaster, Add	*58.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	597.59	39.39
		For 1" Pilaster, Add	*64.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	766.52	42.97
		For 1" Pilaster, Add	*85.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	943.12	46.54
		For 1" Pilaster, Add	*106.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	990.49	50.12
		For 1" Pilaster, Add	*111.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0287		**83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	386.62	21.48
		For 1" Pilaster, Add	*42.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	453.12	25.06
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	460.29	28.64
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	533.50	32.22
		For 1" Pilaster, Add	*58.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	602.88	35.81
		For 1" Pilaster, Add	*66.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	672.75	39.39
		For 1" Pilaster, Add	*74.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	878.52	42.97
		For 1" Pilaster, Add	*99.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,047.95	46.54
		For 1" Pilaster, Add	*119.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,102.03	50.12
		For 1" Pilaster, Add	*125.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	435.40	28.64
		For 1" Pilaster, Add	*47.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	515.31	32.22
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	522.47	35.81
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	603.34	39.39
		For 1" Pilaster, Add	*65.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	682.29	42.97
		For 1" Pilaster, Add	*74.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	762.20	46.54
		For 1" Pilaster, Add	*83.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,004.85	50.12
		For 1" Pilaster, Add	*113.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,167.07	53.70
		For 1" Pilaster, Add	*132.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,227.84	57.29
		For 1" Pilaster, Add	*139.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,313.53	161.12
		For >10, Deduct	*-499.13*	
		For Solid Color Material (No Particulate), Deduct	*-1,148.00*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,415.50	175.44
		For Solid Color Material (No Particulate), Deduct	*-1,394.86*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,113.68	182.60
		For Solid Color Material (No Particulate), Deduct	*-1,552.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,521.10	196.93
		For >10, Deduct	*-512.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,179.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,250.05	211.25
		For Solid Color Material (No Particulate), Deduct	*-1,570.34*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,024.83	218.41
		For Solid Color Material (No Particulate), Deduct	*-1,745.24*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,185.75	232.73
		For >10, Deduct	*-572.03*	
		For Solid Color Material (No Particulate), Deduct	*-1,315.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,302.90	247.05
		For Solid Color Material (No Particulate), Deduct	*-1,796.02*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	9,077.05	254.22
		For Solid Color Material (No Particulate), Deduct	*-1,970.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,250.00	268.53
		For >10, Deduct	*-571.30*	
		For Solid Color Material (No Particulate), Deduct	*-1,313.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,979.61	282.86
		For Solid Color Material (No Particulate), Deduct	*-1,705.19*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,753.75	290.02
		For Solid Color Material (No Particulate), Deduct	*-1,879.96*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,470.01	100.21
		For Solid Color Material (No Particulate), Deduct	*-292.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,940.23	107.36
		For Solid Color Material (No Particulate), Deduct	*-396.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,410.46	114.52
		For Solid Color Material (No Particulate), Deduct	*-501.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	754.90	85.89
		For Solid Color Material (No Particulate), Deduct	*-134.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	963.58	93.04
		For Solid Color Material (No Particulate), Deduct	*-178.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,172.29	100.21
		For Solid Color Material (No Particulate), Deduct	*-223.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	985.96	93.04
		For Solid Color Material (No Particulate), Deduct	*-183.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,228.25	100.21
		For Solid Color Material (No Particulate), Deduct	*-236.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,470.51	107.36
		For Solid Color Material (No Particulate), Deduct	*-288.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,505.37	93.04
		For Solid Color Material (No Particulate), Deduct	*-303.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,975.61	100.21
		For Solid Color Material (No Particulate), Deduct	*-408.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,445.84	107.36
		For Solid Color Material (No Particulate), Deduct	*-513.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0342		**Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0307)*		
		See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343		**Solid Polyester (Corian), Toilet Partition Doors** *(10 21 13 19-0342)*		
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,159.07	28.64
		For Solid Color Material (No Particulate), Deduct	*-253.41*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,237.81	28.64
		For Solid Color Material (No Particulate), Deduct	*-271.52*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,411.52	32.22
		For Solid Color Material (No Particulate), Deduct	*-309.83*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,574.02	32.22
		For Solid Color Material (No Particulate), Deduct	*-347.20*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,644.73	32.22
		For Solid Color Material (No Particulate), Deduct	*-363.46*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0349		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	313.87	42.97
		For Solid Color Material (No Particulate), Deduct	*-52.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	549.01	46.54
		For Solid Color Material (No Particulate), Deduct	*-104.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	784.12	50.12
		For Solid Color Material (No Particulate), Deduct	*-157.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,019.24	53.70
		For Solid Color Material (No Particulate), Deduct	*-209.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,254.35	57.29
		For Solid Color Material (No Particulate), Deduct	*-262.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,489.46	60.87
		For Solid Color Material (No Particulate), Deduct	*-314.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,724.60	64.45
		For Solid Color Material (No Particulate), Deduct	*-367.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,959.70	68.03
		For Solid Color Material (No Particulate), Deduct	*-419.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,232.81	71.61
		For Solid Color Material (No Particulate), Deduct	*-480.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,349.68	73.04
		For Solid Color Material (No Particulate), Deduct	*-506.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,429.94	75.19
		For Solid Color Material (No Particulate), Deduct	*-524.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,817.02	78.77
		For Solid Color Material (No Particulate), Deduct	*-611.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,128.12	82.35
		For Solid Color Material (No Particulate), Deduct	*-681.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0363		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	400.73	21.48
		For Solid Color Material (No Particulate), Deduct	*-82.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	497.32	25.06
		For Solid Color Material (No Particulate), Deduct	*-102.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	593.93	28.64
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	780.00	32.22
		For Solid Color Material (No Particulate), Deduct	*-164.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	966.04	35.81
		For Solid Color Material (No Particulate), Deduct	*-205.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,152.08	39.39
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,695.89	42.97
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,060.84	46.54
		For Solid Color Material (No Particulate), Deduct	*-452.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,246.89	50.12
		For Solid Color Material (No Particulate), Deduct	*-493.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0373		82" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	450.42	21.48
		For Solid Color Material (No Particulate), Deduct	*-93.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	559.46	25.06
		For Solid Color Material (No Particulate), Deduct	*-117.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	656.83	28.64
		For Solid Color Material (No Particulate), Deduct	*-137.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	894.91	32.22
		For Solid Color Material (No Particulate), Deduct	*-191.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,090.26	35.81
		For Solid Color Material (No Particulate), Deduct	*-234.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,301.14	39.39
		For Solid Color Material (No Particulate), Deduct	*-281.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,919.50	42.97
		For Solid Color Material (No Particulate), Deduct	*-421.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,334.14	46.54
		For Solid Color Material (No Particulate), Deduct	*-515.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,545.03	50.12
		For Solid Color Material (No Particulate), Deduct	*-562.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	593.93	28.64
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	735.27	32.22
		For Solid Color Material (No Particulate), Deduct	*-154.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	876.60	35.81
		For Solid Color Material (No Particulate), Deduct	*-185.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,152.08	39.39
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,427.57	42.97
		For Solid Color Material (No Particulate), Deduct	*-308.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,703.05	46.54
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,515.21	50.12
		For Solid Color Material (No Particulate), Deduct	*-555.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,059.03	53.70
		For Solid Color Material (No Particulate), Deduct	*-678.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,334.51	57.29
		For Solid Color Material (No Particulate), Deduct	*-740.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	15.31	2.86
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	26.71	2.86
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	124.65	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	80.48	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	133.63	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	96.37	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	228.59	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	208.81	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	161.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,253.03	179.02
		For 66" High Panels, Add	*134.25*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,580.03	193.35
		For 66" High Panels, Add	*179.00*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,049.18	214.83
		For 66" High Panels, Add	*242.93*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,419.11	250.63
		For 66" High Panels, Add	*287.68*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,789.05	286.44
		For 66" High Panels, Add	*332.43*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,044.31	314.65
		For 66" High Panels, Add	*425.18*	
		For 6" Wide Head Rail, Add	*78.74*	
		For 8" Wide Head Rail, Add	*109.19*	
		For 10" Wide Head Rail, Add	*133.34*	
		For 12" Wide Head Rail, Add	*160.63*	
		For 18" Wide, 1/2" Thick Bench, Add	*147.93*	
		For 24" Wide, 1/2" Thick Bench, Add	*187.93*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,765.22	343.58
		For 66" High Panels, Add	*530.42*	
		For 6" Wide Head Rail, Add	*99.21*	
		For 8" Wide Head Rail, Add	*136.86*	
		For 10" Wide Head Rail, Add	*167.64*	
		For 12" Wide Head Rail, Add	*201.86*	
		For 18" Wide, 1/2" Thick Bench, Add	*153.72*	
		For 24" Wide, 1/2" Thick Bench, Add	*193.72*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,755.77	365.35
		For 66" High Panels, Add	*676.83*	
		For 6" Wide Head Rail, Add	*128.06*	
		For 8" Wide Head Rail, Add	*175.62*	
		For 10" Wide Head Rail, Add	*215.87*	
		For 12" Wide Head Rail, Add	*259.77*	
		For 18" Wide, 1/2" Thick Bench, Add	*158.07*	
		For 24" Wide, 1/2" Thick Bench, Add	*198.07*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,079.33	408.74
		For 66" High Panels, Add	*721.03*	
		For 6" Wide Head Rail, Add	*136.03*	
		For 8" Wide Head Rail, Add	*186.82*	
		For 10" Wide Head Rail, Add	*229.44*	
		For 12" Wide Head Rail, Add	*276.15*	
		For 18" Wide, 1/2" Thick Bench, Add	*166.75*	
		For 24" Wide, 1/2" Thick Bench, Add	*206.75*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,813.24	444.27
		For 66" High Panels, Add	*827.56*	
		For 6" Wide Head Rail, Add	*156.63*	
		For 8" Wide Head Rail, Add	*214.76*	
		For 10" Wide Head Rail, Add	*264.01*	
		For 12" Wide Head Rail, Add	*317.70*	
		For 18" Wide, 1/2" Thick Bench, Add	*173.85*	
		For 24" Wide, 1/2" Thick Bench, Add	*213.85*	

10 21 23 Cubicle Curtains and Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops *(10 21 23 13)*

10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.83	1.23
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.19	1.23
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	25.90	1.23
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	27.28	1.23
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	28.66	1.23
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	31.31	1.23

10 21 23 16 Cubicle Track and Hardware *(10 21 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 23 16-0001		**Hospital Cubicle Curtain Channel Track** *(10 21 23 16)* Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	25.73	6.51
10 21 23 16-0003	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	40.20	7.15
10 21 23 16-0004		**Hospital IV Tracks** *(10 21 23 16)*		
10 21 23 16-0005	LF	Oval Hospital Partition IV Track	24.19	4.09
10 21 23 16-0006	EA	Hospital Partition IV Trolley	129.27	17.05
10 21 23 16-0007	EA	5 Hook Tree, Hospital Partition IV Pendant	496.80	17.05

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001		**Wall Panels** *(10 22 13)* Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.67	1.79
		For 5' Wide Panels, Add	*0.60*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.40	2.15
		For 5' Wide Panels, Add	*0.66*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	26.22	2.51
		For 5' Wide Panels, Add	*1.06*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)* Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.31	2.15
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.05	2.51
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	20.03	2.86
10 22 13 00-0009		**Sliding Doors** *(10 22 13)* Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,545.73	375.95
		For 8 Gauge, Add	*156.67*	
		For 6 Gauge, Add	*313.34*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,635.28	415.33
		For 8 Gauge, Add	*162.23*	
		For 6 Gauge, Add	*324.45*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,779.63	429.66
		For 8 Gauge, Add	*181.01*	
		For 6 Gauge, Add	*362.03*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,940.04	465.46
		For 8 Gauge, Add	*197.91*	
		For 6 Gauge, Add	*395.83*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,010.79	494.10
		For 8 Gauge, Add	*202.80*	
		For 6 Gauge, Add	*405.60*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,205.31	522.75
		For 8 Gauge, Add	*226.25*	
		For 6 Gauge, Add	*452.50*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,370.19	562.14
		For 8 Gauge, Add	*243.10*	
		For 6 Gauge, Add	*486.21*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,571.01	587.20
		For 8 Gauge, Add	*268.21*	
		For 6 Gauge, Add	*536.43*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,596.97	601.51
		For 8 Gauge, Add	*269.24*	
		For 6 Gauge, Add	*538.48*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,856.94	637.32
		For 8 Gauge, Add	*301.08*	
		For 6 Gauge, Add	*602.15*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,050.57	221.99
		For 8 Gauge, Add	*109.85*	
		For 6 Gauge, Add	*219.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,128.27	250.63
		For 8 Gauge, Add	*119.11*	
		For 6 Gauge, Add	*238.23*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,208.04	264.95
		For 8 Gauge, Add	*128.22*	
		For 6 Gauge, Add	*256.43*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,199.87	286.44
		For 8 Gauge, Add	*122.69*	
		For 6 Gauge, Add	*245.39*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,282.33	300.76
		For 8 Gauge, Add	*132.20*	
		For 6 Gauge, Add	*264.40*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,340.17	315.08
		For 8 Gauge, Add	*138.01*	
		For 6 Gauge, Add	*276.02*	
10 22 13 00-0028		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,655.26	358.04
		For 8 Gauge, Add	*176.68*	
		For 6 Gauge, Add	*353.36*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,788.73	379.53
		For 8 Gauge, Add	*192.40*	
		For 6 Gauge, Add	*384.81*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,922.18	401.01
		For 8 Gauge, Add	*208.13*	
		For 6 Gauge, Add	*416.25*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,063.00	429.66
		For 8 Gauge, Add	*223.52*	
		For 6 Gauge, Add	*447.04*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,251.93	451.14
		For 8 Gauge, Add	*247.56*	
		For 6 Gauge, Add	*495.12*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,438.74	472.62
		For 8 Gauge, Add	*271.29*	
		For 6 Gauge, Add	*542.57*	
10 22 13 00-0035		**Dutch Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,395.56	221.99
		For 8 Gauge, Add	*161.60*	
		For 6 Gauge, Add	*323.19*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,479.42	250.63
		For 8 Gauge, Add	*171.79*	
		For 6 Gauge, Add	*343.57*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,525.07	264.95
		For 8 Gauge, Add	*175.77*	
		For 6 Gauge, Add	*351.54*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,613.66	300.76
		For 8 Gauge, Add	*181.90*	
		For 6 Gauge, Add	*363.80*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,549.86	286.44
		For 8 Gauge, Add	*175.19*	
		For 6 Gauge, Add	*350.38*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,643.29	300.76
		For 8 Gauge, Add	*186.34*	
		For 6 Gauge, Add	*372.69*	
10 22 19		**Demountable Partitions** *(10 22)*		
10 22 19 13		**Demountable Metal Partitions** *(10 22 19)*		
10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	141.91	22.77
		For >9, Add	*17.74*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0002		LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	123.17	18.14
			For >9, Add 15.40		
10 22 19 13-0003		LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	104.44	13.63
			For >9, Add 13.06		
10 22 19 13-0004		LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	358.76	18.14
			For >9, Add 44.85		
10 22 19 13-0005		LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	532.96	19.50
			For >9, Add 66.62		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001		LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	209.35	22.77
			For >9, Add 26.17		
10 22 19 43-0002		LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	259.29	24.82
			For >9, Add 32.41		
10 22 19 43-0003		SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	42.85	3.41
			For Acoustical Partitions, Add	*3.61*	
10 22 19 43-0004		SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	54.84	5.72
			For Acoustical Partitions, Add	*4.34*	
10 22 19 43-0005		SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	45.71	3.54
			For Acoustical Partitions, Add	*3.86*	
10 22 19 43-0006		SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	65.16	4.90
			For Acoustical Partitions, Add	*5.55*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002		LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	194.36	22.77
			For >9, Add 24.30		
10 22 19 53-0003		LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	351.24	24.82
			For >9, Add 43.91		
10 22 19 53-0004		LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	377.04	27.27
			For >9, Add 47.13		
10 22 19 53-0005		LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	173.19	22.77
			For >9, Add 21.65		
10 22 19 53-0006		LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	278.56	24.82
			For >9, Add 34.82		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	250.83	10.91
10 22 23 23-0003		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	267.71	12.13
10 22 23 23-0004		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	318.36	14.59
10 22 23 23-0005		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	183.61	6.28
10 22 23 23-0006		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	195.33	7.23
10 22 23 23-0007		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	219.94	8.73
10 22 23 23-0008		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	187.02	6.68
10 22 23 23-0009		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	332.79	12.13
10 22 23 23-0010		LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	366.57	14.59
10 22 23 23-0011		LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	194.91	8.32
10 22 23 23-0012		LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	221.97	9.68
10 22 23 23-0013		LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	178.46	7.23
10 22 23 23-0014		LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	200.65	8.73
10 22 23 23-0015		LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	296.64	12.13
10 22 23 23-0016		LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	335.23	14.59
10 22 23 23-0017		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	301.46	12.13
10 22 23 23-0018		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	366.57	14.59
10 22 23 23-0019		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	231.49	7.23
10 22 23 23-0020		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	260.92	8.73
10 22 23 23-0021		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	243.67	6.68
10 22 23 23-0022		LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	290.62	7.91
10 22 23 23-0023		LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	144.29	8.32
10 22 23 23-0024		LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	170.14	9.68
10 22 23 23-0025		LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	153.65	8.73
10 22 23 23-0026		LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	112.29	6.68
10 22 23 23-0027		LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	181.37	8.73
10 22 23 23-0028		LF	Partitions, Portable, Metal Chalkboard, 2 Sides	206.21	9.13
10 22 23 23-0029		LF	Partitions, Portable, Tackboard, Both Sides	167.20	8.86

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031		EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	727.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	691.28	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	546.02	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	630.75	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,229.95	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	252.58	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	333.52	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.73	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	210.22	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,472.05	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	210.22	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,108.90	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.98	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	340.05	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	100.91	6.75
		For <135, Add	*20.18*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.49	6.98
		For <135, Add	*20.50*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	107.32	7.20
		For <135, Add	*21.46*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	113.81	7.43
		For <135, Add	*22.76*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	115.82	7.65
		For <135, Add	*23.16*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	117.25	7.88
		For <135, Add	*23.45*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	118.66	8.10
		For <135, Add	*23.73*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	120.48	8.55
		For <135, Add	*24.10*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	127.57	8.55
		For <135, Add	*25.51*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	134.67	8.55
		For <135, Add	*26.93*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	270.63	26.80
		For 43 STC, Deduct	*-12.29*	
		For 49 STC, Add	*15.59*	
		For 52 STC, Add	*23.63*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	250.21	21.59
		For 43 STC, Deduct	*-12.02*	
		For 49 STC, Add	*15.26*	
		For 52 STC, Add	*23.12*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	235.25	17.91
		For 43 STC, Deduct	*-11.77*	
		For 49 STC, Add	*14.94*	
		For 52 STC, Add	*22.63*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	229.23	18.83
		For 43 STC, Deduct	*-11.19*	
		For 49 STC, Add	*14.20*	
		For 52 STC, Add	*21.51*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	213.80	15.31
		For 43 STC, Deduct	*-10.87*	
		For 49 STC, Add	*13.80*	
		For 52 STC, Add	*20.91*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	204.85	13.78
		For 43 STC, Deduct	*-10.61*	
		For 49 STC, Add	*13.46*	
		For 52 STC, Add	*20.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0008		SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	202.89	14.85
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			For 43 STC, Deduct	*-10.27*	
			For 49 STC, Add	*13.04*	
			For 52 STC, Add	*19.75*	
10 22 43 00-0009		SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	191.32	12.71
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			For 43 STC, Deduct	*-9.95*	
			For 49 STC, Add	*12.63*	
			For 52 STC, Add	*19.13*	
10 22 43 00-0010		SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	183.43	11.33
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			For 43 STC, Deduct	*-9.69*	
			For 49 STC, Add	*12.30*	
			For 52 STC, Add	*18.64*	
10 22 43 00-0011		SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	211.38	17.91
			Note: Includes pocket door, track and hardware.		
			For 44 STC, Deduct	*-10.20*	
			For 49 STC, Add	*12.94*	
			For 52 STC, Add	*19.61*	
10 22 43 00-0012		SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	194.02	13.63
			Note: Includes pocket door, track and hardware.		
			For 44 STC, Deduct	*-9.92*	
			For 49 STC, Add	*12.60*	
			For 52 STC, Add	*19.09*	
10 22 43 00-0013		SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	184.08	11.49
			Note: Includes pocket door, track and hardware.		
			For 44 STC, Deduct	*-9.70*	
			For 49 STC, Add	*12.31*	
			For 52 STC, Add	*18.65*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005		LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	9.37	4.29
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.33*	
10 26 13 00-0006		LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.91	4.29
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.36*	
10 26 13 00-0007		LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.91	4.29
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.51*	
10 26 13 00-0008		LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	16.66	4.29
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.69*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010		LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.99	4.29
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.66*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*
Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014		LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	16.84	6.44
			For >50 To 100, Deduct	*-2.68*	
			For >100 To 200, Deduct	*-3.76*	
			For >200, Deduct	*-5.13*	
			For Recycled Vinyl Retainer, Deduct	*-1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	18.51	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.22*	
		For Recycled Vinyl Retainer, Deduct	*-1.56*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	20.17	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.30*	
		For Recycled Vinyl Retainer, Deduct	*-1.89*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	23.29	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.46*	
		For Recycled Vinyl Retainer, Deduct	*-2.51*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	32.87	8.58
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 200, Deduct	*-5.01*	
		For >200, Deduct	*-7.37*	
		For Recycled Vinyl Retainer, Deduct	*-3.71*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	21.64	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.37*	
		For Up To 2 HR Fire Rated, Add	*7.64*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	25.59	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.57*	
		For Up To 2 HR Fire Rated, Add	*10.40*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	23.89	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.49*	
		For Up To 2 HR Fire Rated, Add	*9.21*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	27.28	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.66*	
		For Up To 2 HR Fire Rated, Add	*11.59*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	55.34	8.58
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 200, Deduct	*-5.01*	
		For >200, Deduct	*-8.50*	
		For Up To 2 HR Fire Rated, Add	*28.71*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	12.30	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.48*	
		For Bolting To Concrete Or Masonry, Add	*2.92*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	15.27	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.62*	
		For Bolting To Concrete Or Masonry, Add	*3.36*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	17.68	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.74*	
		For Bolting To Concrete Or Masonry, Add	*3.72*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.70	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.30*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	10.16	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.37*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.86	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.45*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.88	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	12.51	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.49*	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.88	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	11.66	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	13.63	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.54*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	14.84	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.60*	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	11.66	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	13.63	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.54*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	14.84	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.95	5.15
		For Galvanizing, Add	*2.23*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 200, Deduct	*-3.00*	
		For >200, Deduct	*-4.18*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.60	5.58
		For Galvanizing, Add	*3.26*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.26*	
		For >200, Deduct	*-4.65*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.72	5.79
		For Galvanizing, Add	*3.52*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 200, Deduct	*-3.38*	
		For >200, Deduct	*-4.85*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	20.21	6.02
		For Galvanizing, Add	*3.57*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-5.02*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	24.62	6.23
		For Galvanizing, Add	*4.98*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 200, Deduct	*-3.63*	
		For >200, Deduct	*-5.38*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	29.05	6.44
		For Galvanizing, Add	*6.41*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-5.74*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	48.51	8.58
		For Galvanizing, Add	*11.97*	
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 200, Deduct	*-5.01*	
		For >200, Deduct	*-8.15*	
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)*		
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	12.78	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	14.51	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.59*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	19.02	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	19.02	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	19.02	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	19.02	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	23.30	5.15
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 200, Deduct	*-3.00*	
		For >200, Deduct	*-4.60*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	37.20	5.58
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.26*	
		For >200, Deduct	*-5.58*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	50.98	5.79
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 200, Deduct	*-3.38*	
		For >200, Deduct	*-6.41*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.91	6.02
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-6.40*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	67.27	6.23
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 200, Deduct	*-3.63*	
		For >200, Deduct	*-7.52*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	62.48	6.44
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-7.42*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	51.71	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-5.45*	
		For Bolting To Concrete Or Masonry, Add	*8.83*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	24.27	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-4.07*	
		For Bolting To Concrete Or Masonry, Add	*4.71*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	21.52	4.29
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.94*	
		For Bolting To Concrete Or Masonry, Add	*4.30*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	15.09	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.34*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	16.38	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.40*	
10 26 16 13-0005		**Aluminum Crash Rails** *(10 26 16 13-0001)*		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	38.81	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-6.52*	
10 26 16 13-0007		**Stainless Steel Crash Rails** *(10 26 16 13-0001)*		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	66.16	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-7.89*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	52.48	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-7.21*	
10 26 16 13-0010		**Wall Guards** *(10 26 16 13)*		
10 26 16 13-0011		**Rigid Vinyl Wall Guards With Aluminum Retainers** *(10 26 16 13-0010)*		
		Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	15.16	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-4.77*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	18.28	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.50*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	19.55	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.56*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	20.24	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.60*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	23.80	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-6.06*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	23.91	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-6.06*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	24.52	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-6.09*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	29.08	6.44
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-6.61*	
10 26 16 13-0020		**Rubber Wall Guards** *(10 26 16 13-0010)*		
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	19.52	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-4.98*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	27.87	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-5.98*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	39.70	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-6.57*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	54.60	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-7.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0026		Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	42.46	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-6.99*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	52.96	6.44
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-7.80*	
10 26 16 13-0029		Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	67.52	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-7.96*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	71.63	5.72
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-8.17*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	33.92	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-5.70*	
10 26 16 13-0033		U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	57.64	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-7.75*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	64.13	6.09
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.26*	
		For >200, Deduct	*-8.07*	
10 26 16 13-0036		Accent Rails *(10 26 16 13)*		
		Note: Includes end caps.		
10 26 16 13-0037		Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	17.38	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-4.88*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	17.41	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-4.88*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	23.71	5.01
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.51*	
		For >200, Deduct	*-5.19*	
10 26 16 16		**Protective Corridor Handrails** *(10 26 16)*		
10 26 16 16-0001		Protective Corridor Handrails *(10 26 16 16)*		
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	37.54	10.73
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-10.47*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	32.95	10.73
		For >25 To 50, Deduct	*-5.37*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-10.24*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	51.31	10.73
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-11.15*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	42.13	10.73
		For >25 To 50, Deduct	*-5.37*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-10.69*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	53.60	10.73
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	58.19	10.73
		For >25 To 50, Deduct	*-5.37*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-11.50*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	69.67	10.73
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-12.07*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	76.55	10.73
		For >25 To 50, Deduct	*-5.37*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-12.42*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	92.62	10.73
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-13.22*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	94.91	10.73
		For >25 To 50, Deduct	*-5.37*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-13.33*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	35.19	8.64
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 200, Deduct	*-6.05*	
		For >200, Deduct	*-8.68*	
		For Maple, Add	*0.54*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	41.45	9.22
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-6.46*	
		For >200, Deduct	*-9.45*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	31.36	8.64
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 200, Deduct	*-6.05*	
		For >200, Deduct	*-8.48*	
		For Maple, Add	*6.05*	
		For Oak, Add	*6.75*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	9.87	3.58
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	10.20	3.58
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	12.12	3.58

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	18.76	3.58
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	21.90	5.01
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	28.74	6.44
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	39.24	7.87

10 26 23 13-0012 "Combo" Hanger *(10 26 23 13-0006)*

10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	21.40	7.16
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	24.83	8.59
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	28.68	10.02
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	31.96	11.46
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	35.82	12.89

10 26 23 13-0018 Snap-2 Pipe Hanger *(10 26 23 13-0006)*

10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	18.01	7.16
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	21.86	8.59
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	25.43	10.02
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	29.56	11.46
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	33.84	12.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	11.55	3.58
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	16.67	5.01
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	23.78	6.44
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	29.77	7.87
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	31.23	4.29
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	38.32	5.01
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	45.41	5.73
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	173.91	7.16
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	6.98	2.15
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	10.56	3.58
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	13.98	5.01
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	16.00	6.44
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	11.26	3.58
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	16.10	5.01
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	23.22	6.44
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	91.68	7.87
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	11.22	2.15
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	15.08	3.58
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	20.91	5.01
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	92.96	6.44
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	68.51	7.16
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	74.06	8.59
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	89.53	10.74
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	155.23	12.89
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	14.33	2.15
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	22.44	3.58
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe	28.13	5.01
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	35.95	5.01
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	18.72	7.16
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	22.28	8.59
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	25.71	10.02
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	31.54	11.46
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	35.68	12.89
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe	17.73	7.16
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe	21.58	8.59
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe	26.13	10.02
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe	29.28	11.46
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe	33.70	12.89
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	13.53	3.58
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	17.09	5.01
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	20.95	6.44
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	36.89	4.29
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	43.97	5.01
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	46.83	5.73
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	6.41	2.15
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	9.57	3.58
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	12.71	5.01
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	13.10	3.58
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	16.95	5.01
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	20.81	6.44
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	11.93	2.15
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	16.21	3.58
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	20.35	5.01
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	85.63	7.16
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	95.43	8.59
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	113.01	10.74
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	84.08	7.16
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	92.60	8.59
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	110.33	10.74
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	106.79	10.74
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	119.01	12.89
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	139.16	15.76
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	140.36	12.18
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	151.88	15.04
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	192.04	14.33
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	215.47	17.19
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	261.97	21.48
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	262.39	15.76
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	289.08	19.34
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	32.91	3.58
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	37.47	5.01
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	46.70	6.44
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	37.31	4.29
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	46.55	5.73
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	181.98	7.16
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	112.51	7.16
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	122.16	8.59
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	143.43	10.74
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	174.21	7.87
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	123.85	7.87
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	184.44	10.02
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	143.56	10.02
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	221.54	11.46
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	129.57	10.74
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	150.00	12.89
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	174.67	15.76
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	137.11	12.18
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	213.96	13.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	153.15	15.04
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	208.41	17.90
10 26 23 13-0138		Fittings (L Or U) *(10 26 23 13-0005)*		
10 26 23 13-0139		Hugger Hangers For Steel Pipe *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	1/2" Diameter Steel Pipe, Hugger Hanger	14.43	5.73
10 26 23 13-0141	EA	3/4" Diameter Steel Pipe, Hugger Hanger	18.01	7.16
10 26 23 13-0142	EA	1" Diameter Steel Pipe, Hugger Hanger	21.15	8.59
10 26 23 13-0143	EA	1-1/4" Diameter Steel Pipe, Hugger Hanger	24.44	10.02
10 26 23 13-0144	EA	1-1/2" Diameter Steel Pipe, Hugger Hanger	27.58	11.46
10 26 23 13-0145	EA	2" Diameter Steel Pipe, Hugger Hanger	31.01	11.46
10 26 23 13-0146	EA	2-1/2" Diameter Steel Pipe, Hugger Hanger	34.16	14.33
10 26 23 13-0147	EA	3" Diameter Steel Pipe, Hugger Hanger	42.25	15.76
10 26 23 13-0148		Hugger Hangers For Copper Pipe *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Diameter Copper Pipe, Hugger Hanger	14.57	5.73
10 26 23 13-0150	EA	3/4" Diameter Copper Pipe, Hugger Hanger	18.15	7.16
10 26 23 13-0151	EA	1" Diameter Copper Pipe, Hugger Hanger	21.29	8.59
10 26 23 13-0152	EA	1-1/4" Diameter Copper Pipe, Hugger Hanger	24.58	10.02
10 26 23 13-0153	EA	1-1/2" Diameter Copper Pipe, Hugger Hanger	27.72	11.46
10 26 23 13-0154	EA	2" Diameter Copper Pipe, Hugger Hanger	31.30	12.89
10 26 23 13-0155	EA	2-1/2" Diameter Copper Pipe, Hugger Hanger	34.44	14.33
10 26 23 13-0156	EA	3" Diameter Copper Pipe, Hugger Hanger	42.68	15.76
10 26 23 13-0157		Shield Extension (L Or U) *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	17.31	2.15
10 26 23 13-0159		Interior Steel Soffit System *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	33.45	6.44
		For 22 Gauge Steel, Add	*2.06*	
		For 20 Gauge Steel, Add	*4.40*	
		For 18 Gauge Steel, Add	*8.64*	
		For 16 Gauge Steel, Add	*13.26*	
		For Stainless Steel, Add	*5.14*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	54.54	17.90
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	131.82	21.48
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	41.46	10.74
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	9.39	4.29
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	37.82	6.44
		For 22 Gauge Steel, Add	*1.87*	
		For 20 Gauge Steel, Add	*3.99*	
		For 18 Gauge Steel, Add	*7.73*	
		For 16 Gauge Steel, Add	*12.96*	
		For Stainless Steel, Add	*6.23*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	54.54	17.90
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	131.82	21.48
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	35.74	7.87
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	9.39	4.29
		For Stainless Steel, Add	*0.20*	
10 26 41		**Bullet Resistant Panels** *(10 26)*		
10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	24.38	2.02
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	33.05	2.16
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	37.30	2.31
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	39.70	2.45
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	42.98	2.59
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	46.23	2.74
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	77.66	3.31
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	111.47	5.19
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	132.29	6.20
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	160.02	6.78
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	181.77	7.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 Toilet, Bath, and Laundry Accessories *(10 20)*				
10 28 13 Toilet Accessories *(10 28)*				
10 28 13 13 Commercial Toilet Accessories *(10 28 13)*				
10 28 13 13-0001		Toilet Accessories *(10 28 13 13)*		
10 28 13 13-0002		Dispensers *(10 28 13 13-0001)*		
10 28 13 13-0003		Paper Towel Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	135.66	32.20
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	144.64	32.20
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	145.98	32.20
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	148.56	32.20
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	219.55	32.20
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	237.52	32.20
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	258.31	32.20
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	264.54	14.32
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	445.58	32.20
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	524.14	32.20
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	565.09	32.20
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	325.23	32.20
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	169.06	17.90
10 28 13 13-0018		Plastic Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	105.03	32.20
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	208.22	32.20
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	206.84	32.20
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	177.16	32.20
10 28 13 13-0023		Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	114.02	32.20
10 28 13 13-0025		Toilet Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0026		Plastic Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	104.70	32.20
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	115.86	32.20
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	91.65	32.20
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	106.98	32.20
10 28 13 13-0031		Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	95.39	32.20
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	96.04	32.20
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	100.71	32.20
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	109.36	32.20
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	141.32	32.20
10 28 13 13-0037		Stainless Steel Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	82.40	32.20
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	226.04	32.20
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	134.15	32.20
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	125.68	32.20
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	138.64	32.20
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	180.55	35.79
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	138.64	32.20
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	180.55	32.20
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	194.01	32.20
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	299.67	32.20
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	299.67	32.20
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	125.89	32.20

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10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	146.31	32.20
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	94.71	32.20
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	156.63	32.20
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	219.22	32.20
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	227.54	32.20
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	287.80	32.20
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	265.07	32.20
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	409.44	32.20
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	179.27	32.20
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	166.25	32.20
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	135.37	32.20

10 28 13 13-0061 Soap or Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0062	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	124.01	32.20
		For 34 Fluid Ounce (B-822), Add	*5.47*	
10 28 13 13-0063	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	134.00	32.20
		For 34 Fluid Ounce (B-822), Add	*5.47*	
10 28 13 13-0064	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	86.06	32.20
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	93.05	32.20
10 28 13 13-0066	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	112.48	32.20
10 28 13 13-0067	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	115.36	32.20
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	126.01	32.20
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	157.63	32.20
10 28 13 13-0070	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	265.49	32.20
10 28 13 13-0071	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	418.95	32.20
10 28 13 13-0072	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	262.60	32.20

10 28 13 13-0073 Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0074 Manual Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	99.81	32.20
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	101.23	32.20
10 28 13 13-0077	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	100.78	32.20

10 28 13 13-0078 Automatic Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0079	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	93.74	32.20
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	120.35	32.20
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	113.71	32.20
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	121.85	32.20
10 28 13 13-0083	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	139.47	32.20
10 28 13 13-0084	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	140.32	32.20

10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0086	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	676.76	10.73
10 28 13 13-0087	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	727.74	10.73
10 28 13 13-0088	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	756.23	10.73

10 28 13 13-0089 Facial Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0090	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	141.99	32.20
10 28 13 13-0091	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	103.29	32.20

10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*

10 28 13 13-0093	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	84.72	32.20
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	111.03	32.20
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	193.92	32.20
10 28 13 13-0096	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	204.58	32.20
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	397.31	32.20

10 28 13 13-0098 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	628.83	32.20
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	385.91	32.20

10 28 13 13-0101 Sanitary Napkin/Tampon Dispensers *(10 28 13 13-0002)*

10 28 13 13-0102	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	775.15	32.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	590.72	32.20
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	785.30	32.20
10 28 13 13-0105	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	596.72	32.20
10 28 13 13-0106	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	525.39	32.20
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	609.31	32.20
10 28 13 13-0108		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0109	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	554.73	71.57
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	618.18	71.57
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	514.39	71.57
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	720.06	71.57
10 28 13 13-0113	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	739.69	71.57
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	849.21	71.57
10 28 13 13-0115	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	796.83	71.57
10 28 13 13-0116		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0117		**Wall Mounted Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0118	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	125.96	32.20
10 28 13 13-0119	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	205.90	32.20
10 28 13 13-0120	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	475.38	71.57
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	700.42	71.57
10 28 13 13-0122	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	556.94	71.57
10 28 13 13-0123		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	147.81	32.20
10 28 13 13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	209.56	32.20
10 28 13 13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	392.38	14.32
10 28 13 13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	592.80	14.32
10 28 13 13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	555.45	14.32
10 28 13 13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	534.21	14.32
10 28 13 13-0130		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0116)*		
10 28 13 13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	395.49	71.57
10 28 13 13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	629.50	71.57
10 28 13 13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	620.19	71.57
10 28 13 13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	896.66	71.57
10 28 13 13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,230.45	71.57
10 28 13 13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	1,041.63	71.57
10 28 13 13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	805.31	71.57
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,297.96	71.57
10 28 13 13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,202.09	78.74
10 28 13 13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	811.93	78.74
10 28 13 13-0141		**Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	117.17	35.79
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	226.98	35.79
10 28 13 13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	246.34	35.79
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	566.58	35.79
10 28 13 13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	303.59	35.79
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	526.97	35.79
10 28 13 13-0148		**Grab Bars** *(10 28 13 13-0001)*		
10 28 13 13-0149		**1-1/4" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	114.80	28.63
		For Peened Grip, Add	*5.82*	
10 28 13 13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	131.34	28.63
		For Peened Grip, Add	*7.31*	

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10 28 13 13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	133.01	28.63
		For Peened Grip, Add	*7.46*	
10 28 13 13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	133.79	28.63
		For Peened Grip, Add	*7.53*	
10 28 13 13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	134.00	28.63
		For Peened Grip, Add	*7.55*	
10 28 13 13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	138.00	28.63
		For Peened Grip, Add	*7.91*	
10 28 13 13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	144.31	28.63
		For Peened Grip, Add	*8.48*	
10 28 13 13-0157		**1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	218.07	28.63
		For Peened Grip, Add	*14.47*	
10 28 13 13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	222.39	28.63
		For Peened Grip, Add	*14.86*	
10 28 13 13-0160		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	129.96	28.63
		For Peened Grip, Add	*7.19*	
10 28 13 13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	131.34	28.63
		For Peened Grip, Add	*7.31*	
10 28 13 13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	134.00	28.63
		For Peened Grip, Add	*7.55*	
10 28 13 13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	136.67	28.63
		For Peened Grip, Add	*7.79*	
10 28 13 13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	140.00	28.63
		For Peened Grip, Add	*8.09*	
10 28 13 13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	143.00	28.63
		For Peened Grip, Add	*8.36*	
10 28 13 13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	150.31	28.63
		For Peened Grip, Add	*9.02*	
10 28 13 13-0168		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	200.07	28.63
		For Peened Grip, Add	*12.85*	
10 28 13 13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	214.41	28.63
		For Peened Grip, Add	*14.14*	
10 28 13 13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	187.43	28.63
		For Peened Grip, Add	*11.72*	
10 28 13 13-0172		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	570.76	28.63
		For Peened Grip, Add	*46.86*	
10 28 13 13-0174		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	149.97	32.20
10 28 13 13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	153.97	32.20
10 28 13 13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	172.28	32.20
10 28 13 13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	176.88	32.20
10 28 13 13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	169.63	32.20
10 28 13 13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	171.80	32.20
10 28 13 13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	182.60	32.20
10 28 13 13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	198.24	32.20
10 28 13 13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	231.30	32.20
10 28 13 13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	182.93	32.20
10 28 13 13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	186.26	32.20
10 28 13 13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	192.78	32.20
10 28 13 13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	204.00	32.20
10 28 13 13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	221.31	32.20
10 28 13 13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	268.40	32.20
10 28 13 13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	354.20	32.20
10 28 13 13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	177.01	32.20
10 28 13 13-0192		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	548.97	42.94
10 28 13 13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	581.11	42.94
10 28 13 13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	481.58	42.94
10 28 13 13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	2,298.33	42.94
10 28 13 13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,677.89	42.94
10 28 13 13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	2,298.33	42.94
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,677.89	42.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0200		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	691.76	57.26
10 28 13 13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	901.49	57.26
10 28 13 13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,022.35	57.26
10 28 13 13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,988.41	
10 28 13 13-0205		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	78.83	32.20
10 28 13 13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	81.15	32.20
10 28 13 13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	140.33	32.20
10 28 13 13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	151.98	32.20
10 28 13 13-0210		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.89	1.43
10 28 13 13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	62.26	14.32
10 28 13 13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	65.10	14.32
10 28 13 13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	111.36	32.20
10 28 13 13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	118.69	32.20
10 28 13 13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	127.67	32.20
10 28 13 13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	138.66	32.20
10 28 13 13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	98.71	32.20
10 28 13 13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	107.37	32.20
10 28 13 13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	112.36	32.20
10 28 13 13-0221	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	118.69	32.20
10 28 13 13-0222	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	102.37	32.20
10 28 13 13-0223	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	109.69	32.20
10 28 13 13-0224	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	118.34	32.20
10 28 13 13-0225	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	124.34	32.20
10 28 13 13-0226		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	621.44	33.94
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	670.35	33.94
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	744.27	33.94
10 28 13 13-0230	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	1,059.78	33.94
10 28 13 13-0231	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	574.55	33.94
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	632.74	33.94
10 28 13 13-0233	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,219.17	33.94
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,309.85	33.94
10 28 13 13-0235	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,406.58	33.94
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	709.95	33.94
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,855.74	33.94
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,121.73	33.94
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,373.27	33.94
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,449.87	33.94
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,493.63	33.94
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,537.40	33.94
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,624.93	33.94
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,110.68	33.94
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,187.27	33.94
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,231.04	33.94
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,274.80	33.94

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10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	1,362.33	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,110.68	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,187.27	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,231.04	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	1,274.80	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0253	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	1,362.33	33.94
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	804.32	33.94
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	880.91	33.94
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	924.67	33.94
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	968.44	33.94
10 28 13 13-0258	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	1,055.97	33.94
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	804.32	33.94
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	880.91	33.94
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	924.67	33.94
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	968.44	33.94
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,055.97	33.94
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	585.49	33.94
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	662.08	33.94
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	749.61	33.94

10 28 13 13-0267 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,141.27	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,605.55	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,338.42	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,672.33	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,438.59	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,772.51	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,438.59	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,772.51	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,338.42	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,672.33	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,204.85	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,538.76	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,141.27	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,605.55	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,338.42	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,672.33	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,438.59	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,772.51	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,438.59	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,772.51	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,338.42	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,672.33	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,204.85	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,538.76	33.94
		For ADA-Compliant Recess Kit, Add	*176.91*	
10 28 13 13-0292		Additional Accessories *(10 28 13 13-0001)*		
10 28 13 13-0293		Hooks *(10 28 13 13-0292)*		
10 28 13 13-0294	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	39.62	14.32
10 28 13 13-0295	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	46.94	14.32
10 28 13 13-0296	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	40.28	14.32
10 28 13 13-0297	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	43.55	14.32
10 28 13 13-0298	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	70.90	14.32
10 28 13 13-0299	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	64.24	14.32
10 28 13 13-0300		Clotheslines *(10 28 13 13-0292)*		
10 28 13 13-0301	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	69.25	28.63
10 28 13 13-0302		Towel Bars *(10 28 13 13-0292)*		
10 28 13 13-0303	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	85.55	32.20
10 28 13 13-0304	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	85.80	32.20
10 28 13 13-0305	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	95.56	32.20
10 28 13 13-0306	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	96.49	32.20
10 28 13 13-0307	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	139.32	32.20
10 28 13 13-0308	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	144.97	32.20
10 28 13 13-0309	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	143.65	32.20
10 28 13 13-0310	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	148.30	32.20
10 28 13 13-0311	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	156.64	32.20
10 28 13 13-0312	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	161.59	32.20
10 28 13 13-0313	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	120.35	32.20
10 28 13 13-0314	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	124.67	32.20
10 28 13 13-0315		Towel Bar With Shelf *(10 28 13 13-0292)*		
10 28 13 13-0316	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	265.82	32.20
10 28 13 13-0317		Towel Pins *(10 28 13 13-0292)*		
10 28 13 13-0318	EA	Stainless Steel Towel Pin (Bobrick B-677)	68.58	14.32
10 28 13 13-0319		Mirrors *(10 28 13 13)*		
10 28 13 13-0320		Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0319)*		
10 28 13 13-0321	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	144.59	35.79
10 28 13 13-0322	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	162.94	35.79
10 28 13 13-0323	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	169.30	35.79
		For Tempered Glass (B-1658), Add	*53.38*	
10 28 13 13-0324	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	182.33	35.79
		For Tempered Glass (B-1658), Add	*62.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0325	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	199.06	35.79
10 28 13 13-0326	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	206.09	35.79
		For Tempered Glass (B-1658), Add	*79.14*	
10 28 13 13-0327	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	252.24	35.79
10 28 13 13-0328	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	290.04	35.79
10 28 13 13-0329	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	347.80	35.79
10 28 13 13-0330	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	435.53	35.79
10 28 13 13-0331	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	488.83	35.79
10 28 13 13-0332		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0319)*		
10 28 13 13-0333	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	260.93	35.79
10 28 13 13-0334	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	280.67	35.79
10 28 13 13-0335	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	293.71	35.79
10 28 13 13-0336	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	330.50	35.79
10 28 13 13-0337		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0338	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	233.14	35.79
10 28 13 13-0339	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	254.92	35.79
		For Tempered Glass (B-2908), Add	*106.84*	
10 28 13 13-0340	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	262.27	35.79
		For Tempered Glass (B-2908), Add	*111.69*	
10 28 13 13-0341	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	305.75	35.79
10 28 13 13-0342	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	307.42	35.79
		For Tempered Glass (B-2908), Add	*141.49*	
10 28 13 13-0343	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	408.09	35.79
10 28 13 13-0344	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	478.33	35.79
10 28 13 13-0345	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	543.89	35.79
10 28 13 13-0346	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	365.35	35.79
10 28 13 13-0347	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	443.51	35.79
10 28 13 13-0348	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	674.69	35.79
10 28 13 13-0349		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0319)*		
10 28 13 13-0350	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	240.76	35.79
10 28 13 13-0351	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	466.62	35.79
10 28 13 13-0352	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	488.71	35.79
10 28 13 13-0353	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	543.89	35.79
10 28 13 13-0354		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0355	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	260.27	35.79
10 28 13 13-0356	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	334.16	35.79
10 28 13 13-0357		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0358	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	350.90	35.79
10 28 13 13-0359	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	365.29	35.79
10 28 13 13-0360	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	440.54	35.79
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	539.87	35.79
10 28 13 13-0362		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0363		**Metal Medicine Cabinets** *(10 28 13 13-0362)*		
10 28 13 13-0364	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	280.66	71.57
10 28 13 13-0365	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	311.44	71.57
10 28 13 13-0366	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	320.92	71.57
10 28 13 13-0367	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	682.11	71.57
10 28 13 13-0368	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	930.11	71.57
10 28 13 13-0369		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0370	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	64.24	14.32
10 28 13 13-0371	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	166.28	32.20
10 28 13 13-0372	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	160.30	32.20
10 28 13 13-0373	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	181.38	32.20
10 28 13 13-0374	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	202.24	32.20
10 28 13 13-0375	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	136.89	32.20
10 28 13 13-0376	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	370.68	32.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0377	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	531.48	32.20
10 28 13 13-0378		**Removal And Reinstallation Of Bathroom Accessories** *(10 28 13 13)*		
10 28 13 13-0379	EA	Removal And Reinstallation Of Bathroom Accessory	44.74	
10 28 13 19		**Healthcare Toilet Accessories** *(10 28 13)*		
10 28 13 19-0001		**Healthcare Toilet Accessories** *(10 28 13 19)*		
10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	234.77	44.81
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	851.65	44.81
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	295.33	119.24
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		**Ligature Resistant, Stainless Steel Grab Bar** *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	218.98	28.63
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	228.54	28.63
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	234.90	28.63
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	259.30	28.63
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	518.05	28.63
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		**Residential Toilet Accessories** *(10 28 16 13)*		
10 28 16 13-0002		**Residential, Recessed, Chrome Plated Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	140.12	32.20
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	199.59	32.20
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	211.68	32.20
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	145.24	32.20
10 28 16 13-0007		**Residential, Surface Mounted, Chrome Plated Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	91.24	21.47
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	104.73	21.47
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	104.73	21.47
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	209.83	21.47
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	175.91	21.47
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	117.66	28.63
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	119.17	28.63
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	87.92	21.47
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	76.93	14.32
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	91.24	21.47
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	181.63	21.47
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	109.38	21.47
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	115.49	14.32
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	349.61	21.47
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	169.29	21.47
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	104.53	21.47
10 28 16 13-0024		**Residential Medicine Cabinets, Solid Oak** *(10 28 16 13-0001)* Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	354.88	71.57
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	459.47	71.57
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	371.41	71.57
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	482.02	71.57
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	381.83	71.57
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	501.82	71.57
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	396.15	71.57
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	526.03	71.57
10 28 16 13-0033		**Residential Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0034	EA	Surface Mounted Plastic Paper Towel Dispenser	138.02	32.20
10 28 16 13-0035	EA	Surface Mounted Plastic Napkin Disposal	121.77	32.20
10 28 16 13-0036	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	127.51	
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	144.71	32.20
10 28 16 13-0038	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	138.07	32.20
10 28 16 13-0039	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	169.17	39.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0040	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	93.63	28.63
10 28 16 13-0041	EA	13 Gallon Plastic Waste Door For Countertops	327.21	53.68

10 28 19 Tub and Shower Enclosures *(10 28)*

10 28 19 16 Shower Doors *(10 28 19)*

10 28 19 16-0001 Swinging Shower Doors *(10 28 19 16)*

10 28 19 16-0002 Framed, Swinging Shower Doors *(10 28 19 16-0001)*

10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	729.62	67.70
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	768.55	33.86
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	930.03	33.86
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	764.41	33.86
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	819.55	33.86

10 28 19 16-0008 Frameless, Swinging Shower Doors *(10 28 19 16-0001)*

10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	1,144.95	33.86
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	1,198.92	33.86
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	1,249.71	33.86
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,303.68	33.86
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,356.06	33.86

10 28 19 16-0014 Sliding Shower Doors *(10 28 19 16)*

10 28 19 16-0015 Framed, Sliding Shower Doors *(10 28 19 16-0014)*

10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	1,243.19	33.86
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	1,133.97	33.86
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	1,163.39	33.86
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	1,194.67	33.86
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	1,212.13	33.86
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	1,237.97	33.86

10 28 19 16-0022 Frameless, Sliding Shower Doors *(10 28 19 16-0014)*

10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,291.02	33.86
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,588.12	33.86
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,688.12	33.86
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,518.49	33.86
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,540.38	33.86
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,743.89	33.86

10 28 19 19 Tub Doors *(10 28 19)*

10 28 19 19-0001 Sliding Bathtub Doors *(10 28 19 19)*

10 28 19 19-0002 Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	1,101.13	33.86
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	1,113.72	33.86
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	1,142.18	33.86

10 40 Safety Specialties *(10)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,817.75	46.52
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.33*	
		For Swing Key Hook Panel, Add	*159.33*	
		For Non-Locking Weather Housing, Add	*400.98*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,926.86	46.52
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.33*	
		For Swing Key Hook Panel, Add	*159.33*	
		For Second Swing Key Hook Panel, Add	*126.33*	
		For Non-Locking Weather Housing, Add	*400.98*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	912.09	46.52
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	802.97	46.52
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,070.31	46.52
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,138.50	46.52
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	397.01	58.69
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	401.41	58.69
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	402.29	58.69
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	429.62	58.69
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	501.01	58.69
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	510.70	58.69

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	408.42	58.69
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	412.88	58.69
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	420.30	58.69
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	432.92	58.69
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	471.68	58.69
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	483.56	58.69

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	615.60	58.69
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	630.09	58.69
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	637.34	58.69
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	686.86	58.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	786.55	58.69
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	816.75	58.69
10 44 13 00-0024		**Bronze Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,870.03	58.69
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,883.90	58.69
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	2,166.67	58.69
10 44 13 00-0028		**Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	454.29	58.69
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	487.79	58.69
10 44 13 00-0031		**Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0032		**Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	420.80	58.69
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	429.62	58.69
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	430.50	58.69
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	460.46	58.69
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	520.40	58.69
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	530.09	58.69
10 44 13 00-0039		**Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	441.25	58.69
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	452.38	58.69
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	459.06	58.69
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	471.68	58.69
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	515.47	58.69
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	525.86	58.69
10 44 13 00-0046		**Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	679.05	58.69
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	695.96	58.69
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	703.20	58.69
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	740.65	58.69
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	833.66	58.69
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	854.19	58.69
10 44 13 00-0053		**Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,363.86	58.69
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,375.50	58.69
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,726.73	58.69
10 44 13 00-0057		**Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	486.02	58.69
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	517.75	58.69
10 44 13 00-0060		**Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0061		**Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	413.75	58.69
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	419.04	58.69
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	461.35	58.69
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	513.35	58.69
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	527.45	58.69
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	511.76	58.69
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	521.41	58.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	542.93	58.69
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	585.23	58.69
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	603.05	58.69
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	784.13	58.69
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	807.09	58.69
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	863.86	58.69
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	973.78	58.69
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	1,007.60	58.69
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,715.76	58.69
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	3,064.31	58.69
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	466.63	58.69
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	505.42	58.69
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	641.15	58.69
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	42.56	17.90
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	40.19	17.90
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	38.75	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	102.02	35.79
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	244.09	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	268.50	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	366.14	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	500.38	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	585.82	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	141.57	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	146.45	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	195.27	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	353.93	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	358.81	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	73.96	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	77.66	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	104.78	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	184.90	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	187.37	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	686.22	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	698.51	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	708.75	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	719.00	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	731.28	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	764.03	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	774.28	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	742.97	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	762.77	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	765.34	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	773.57	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	784.37	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	814.96	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	845.56	160.91
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	977.87	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,080.31	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,090.17	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,121.69	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,131.54	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,182.76	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,233.99	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	719.00	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	731.28	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	741.50	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	753.79	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	764.03	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	796.78	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	809.06	160.91
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	762.77	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	784.37	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	787.45	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	793.37	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	804.16	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	834.76	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	865.36	160.91
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,038.94	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,151.24	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,161.09	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,192.61	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,202.46	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,253.69	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,304.91	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	731.28	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	741.50	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	753.79	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	764.03	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	774.28	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	809.06	160.91
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	819.31	160.91
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	814.96	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	834.76	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	839.90	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	845.56	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	854.56	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	886.96	160.91
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	906.76	160.91
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,121.69	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,448.74	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,531.48	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,551.18	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,570.89	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,653.63	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,756.08	160.91
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	192.62	18.61
		For >5 To 10, Deduct	*-4.86*	
		For >10, Deduct	*-9.72*	
		For Placement In Cabinet, Deduct	*-47.72*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	270.73	21.47
		For >5 To 10, Deduct	*-8.03*	
		For >10, Deduct	*-16.06*	
		For Placement In Cabinet, Deduct	*-55.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	352.14	27.20
		For >5 To 10, Deduct	*-10.45*	
		For >10, Deduct	*-20.90*	
		For Placement In Cabinet, Deduct	*-71.58*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	434.53	34.36
		For >5 To 10, Deduct	*-12.78*	
		For >10, Deduct	*-25.56*	
		For Placement In Cabinet, Deduct	*-89.47*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	476.29	34.36
		For >5 To 10, Deduct	*-14.87*	
		For >10, Deduct	*-29.74*	
		For Placement In Cabinet, Deduct	*-89.47*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,425.24	54.39
		For >5 To 10, Deduct	*-56.95*	
		For >10, Deduct	*-113.89*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,694.69	54.39
		For >5 To 10, Deduct	*-120.42*	
		For >10, Deduct	*-240.84*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	132.49	18.61
		For >5 To 10, Deduct	*-1.85*	
		For >10, Deduct	*-3.71*	
		For Placement In Cabinet, Deduct	*-47.72*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	162.67	21.47
		For >5 To 10, Deduct	*-2.63*	
		For >10, Deduct	*-5.26*	
		For Placement In Cabinet, Deduct	*-55.06*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	226.82	27.20
		For >5 To 10, Deduct	*-4.18*	
		For >10, Deduct	*-8.37*	
		For Placement In Cabinet, Deduct	*-71.58*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	310.61	34.36
		For >5 To 10, Deduct	*-6.58*	
		For >10, Deduct	*-13.17*	
		For Placement In Cabinet, Deduct	*-89.47*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,687.83	54.39
		For >5 To 10, Deduct	*-70.08*	
		For >10, Deduct	*-140.15*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,455.40	54.39
		For >5 To 10, Deduct	*-108.46*	
		For >10, Deduct	*-216.91*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	217.90	21.47
		For >5 To 10, Deduct	*-5.39*	
		For >10, Deduct	*-10.78*	
		For Placement In Cabinet, Deduct	*-55.06*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	334.50	34.36
		For >5 To 10, Deduct	*-7.78*	
		For >10, Deduct	*-15.56*	
		For Placement In Cabinet, Deduct	*-89.47*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	351.45	34.36
		For >5 To 10, Deduct	*-8.63*	
		For >10, Deduct	*-17.25*	
		For Placement In Cabinet, Deduct	*-89.47*	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	468.53	34.36
		For >5 To 10, Deduct	*-14.48*	
		For >10, Deduct	*-28.96*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	150.83	24.49
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	216.12	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.77	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	11.42	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	417.44	58.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	333.71	58.69

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	294.98	44.38
		For >25 To 50, Deduct	*-10.31*	
		For >50 To 100, Deduct	*-21.95*	
		For >100, Deduct	*-33.60*	
		For 14 Gauge Doors, Add	*16.50*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	305.90	44.38
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-23.05*	
		For >100, Deduct	*-35.24*	
		For 14 Gauge Doors, Add	*17.37*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	320.84	44.38
		For >25 To 50, Deduct	*-11.60*	
		For >50 To 100, Deduct	*-24.54*	
		For >100, Deduct	*-37.48*	
		For 14 Gauge Doors, Add	*18.57*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	320.51	45.81
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-24.26*	
		For >100, Deduct	*-37.08*	
		For 14 Gauge Doors, Add	*18.31*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	329.57	45.81
		For >25 To 50, Deduct	*-11.90*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-38.44*	
		For 14 Gauge Doors, Add	*19.04*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	338.40	45.81
		For >25 To 50, Deduct	*-12.34*	
		For >50 To 100, Deduct	*-26.05*	
		For >100, Deduct	*-39.77*	
		For 14 Gauge Doors, Add	*19.74*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	353.64	45.81
		For >25 To 50, Deduct	*-13.10*	
		For >50 To 100, Deduct	*-27.58*	
		For >100, Deduct	*-42.05*	
		For 14 Gauge Doors, Add	*20.96*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	368.74	45.81
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-29.09*	
		For >100, Deduct	*-44.32*	
		For 14 Gauge Doors, Add	*22.17*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	384.71	45.81
		For >25 To 50, Deduct	*-14.66*	
		For >50 To 100, Deduct	*-30.68*	
		For >100, Deduct	*-46.71*	
		For 14 Gauge Doors, Add	*23.45*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	399.47	45.81
		For >25 To 50, Deduct	*-15.39*	
		For >50 To 100, Deduct	*-32.16*	
		For >100, Deduct	*-48.93*	
		For 14 Gauge Doors, Add	*24.63*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	534.29	45.81
		For >25 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-45.64*	
		For >100, Deduct	*-69.15*	
		For 14 Gauge Doors, Add	*35.41*	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	346.01	45.81
		For >25 To 50, Deduct	*-12.72*	
		For >50 To 100, Deduct	*-26.81*	
		For >100, Deduct	*-40.91*	
		For 14 Gauge Doors, Add	*27.98*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	352.90	45.81
		For >25 To 50, Deduct	*-13.06*	
		For >50 To 100, Deduct	*-27.50*	
		For >100, Deduct	*-41.94*	
		For 14 Gauge Doors, Add	*28.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	359.84	45.81
		For >25 To 50, Deduct	*-13.41*	
		For >50 To 100, Deduct	*-28.20*	
		For >100, Deduct	*-42.98*	
		For 14 Gauge Doors, Add	*29.51*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	361.52	47.24
		For >25 To 50, Deduct	*-13.35*	
		For >50 To 100, Deduct	*-28.12*	
		For >100, Deduct	*-42.89*	
		For 14 Gauge Doors, Add	*29.37*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	376.57	47.24
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-29.63*	
		For >100, Deduct	*-45.15*	
		For 14 Gauge Doors, Add	*31.03*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	385.66	47.24
		For >25 To 50, Deduct	*-14.56*	
		For >50 To 100, Deduct	*-30.54*	
		For >100, Deduct	*-46.51*	
		For 14 Gauge Doors, Add	*32.03*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	398.68	47.24
		For >25 To 50, Deduct	*-15.21*	
		For >50 To 100, Deduct	*-31.84*	
		For >100, Deduct	*-48.46*	
		For 14 Gauge Doors, Add	*33.46*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	411.75	47.24
		For >25 To 50, Deduct	*-15.86*	
		For >50 To 100, Deduct	*-33.14*	
		For >100, Deduct	*-50.42*	
		For 14 Gauge Doors, Add	*34.90*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	470.93	47.24
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-39.06*	
		For >100, Deduct	*-59.30*	
		For 14 Gauge Doors, Add	*41.41*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	481.68	47.24
		For >25 To 50, Deduct	*-19.36*	
		For >50 To 100, Deduct	*-40.14*	
		For >100, Deduct	*-60.91*	
		For 14 Gauge Doors, Add	*42.59*	

10 51 13 00-0025 Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	404.35	48.67
		For >25 To 50, Deduct	*-15.35*	
		For >50 To 100, Deduct	*-32.16*	
		For >100, Deduct	*-48.97*	
		For 14 Gauge Doors, Add	*46.05*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	411.41	48.67
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-32.87*	
		For >100, Deduct	*-50.03*	
		For 14 Gauge Doors, Add	*47.11*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	436.54	48.67
		For >25 To 50, Deduct	*-16.96*	
		For >50 To 100, Deduct	*-35.38*	
		For >100, Deduct	*-53.80*	
		For 14 Gauge Doors, Add	*50.88*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	460.59	48.67
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-37.78*	
		For >100, Deduct	*-57.41*	
		For 14 Gauge Doors, Add	*54.49*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	479.75	48.67
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-39.70*	
		For >100, Deduct	*-60.28*	
		For 14 Gauge Doors, Add	*57.36*	

10 51 13 00-0031 Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	397.76	50.10
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-47.64*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	410.09	50.10
		For >25 To 50, Deduct	*-15.49*	
		For >50 To 100, Deduct	*-32.49*	
		For >100, Deduct	*-49.49*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	429.93	50.10
		For >25 To 50, Deduct	*-16.49*	
		For >50 To 100, Deduct	*-34.48*	
		For >100, Deduct	*-52.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	445.81	50.10
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-36.06*	
		For >100, Deduct	*-54.85*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	468.68	50.10
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-38.35*	
		For >100, Deduct	*-58.28*	
10 51 13 00-0037		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	431.65	51.53
		For >25 To 50, Deduct	*-16.43*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-52.38*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	441.16	51.53
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-35.36*	
		For >100, Deduct	*-53.81*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	459.12	51.53
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-56.50*	
10 51 13 00-0041		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	775.85	34.36
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,246.74	71.57
10 51 13 00-0044		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0045		**All-Welded Steel Lockers** *(10 51 13 00-0044)*		
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)*		
		Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	221.32	25.05
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-28.90*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	232.28	25.05
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-20.19*	
		For >100, Deduct	*-30.55*	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	242.82	25.05
		For >25 To 50, Deduct	*-10.35*	
		For >50 To 100, Deduct	*-21.24*	
		For >100, Deduct	*-32.13*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	230.37	25.05
		For >25 To 50, Deduct	*-9.73*	
		For >50 To 100, Deduct	*-19.99*	
		For >100, Deduct	*-30.26*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	240.91	25.05
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-31.84*	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	251.45	25.05
		For >25 To 50, Deduct	*-10.78*	
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-33.42*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	243.70	27.56
		For >25 To 50, Deduct	*-10.22*	
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-31.83*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	253.46	27.56
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-22.00*	
		For >100, Deduct	*-33.29*	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	264.00	27.56
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-23.05*	
		For >100, Deduct	*-34.88*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	273.86	27.56
		For >25 To 50, Deduct	*-11.72*	
		For >50 To 100, Deduct	*-24.04*	
		For >100, Deduct	*-36.35*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	281.98	27.56
		For >25 To 50, Deduct	*-12.13*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-37.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	293.19	27.56
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-25.97*	
		For >100, Deduct	*-39.25*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	305.80	27.56
		For >25 To 50, Deduct	*-13.32*	
		For >50 To 100, Deduct	*-27.23*	
		For >100, Deduct	*-41.15*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	495.66	27.56
		For >25 To 50, Deduct	*-22.81*	
		For >50 To 100, Deduct	*-46.22*	
		For >100, Deduct	*-69.62*	

10 51 13 00-0061 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	264.54	25.05
		For >25 To 50, Deduct	*-11.44*	
		For >50 To 100, Deduct	*-23.41*	
		For >100, Deduct	*-35.39*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	269.39	25.05
		For >25 To 50, Deduct	*-11.68*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-36.11*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	282.37	25.05
		For >25 To 50, Deduct	*-12.33*	
		For >50 To 100, Deduct	*-25.19*	
		For >100, Deduct	*-38.06*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	276.20	27.56
		For >25 To 50, Deduct	*-11.84*	
		For >50 To 100, Deduct	*-24.27*	
		For >100, Deduct	*-36.71*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	294.10	27.56
		For >25 To 50, Deduct	*-12.74*	
		For >50 To 100, Deduct	*-26.06*	
		For >100, Deduct	*-39.39*	
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	303.86	27.56
		For >25 To 50, Deduct	*-13.22*	
		For >50 To 100, Deduct	*-27.04*	
		For >100, Deduct	*-40.85*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	317.77	27.56
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-42.94*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	324.31	27.56
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-43.92*	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	343.18	27.56
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-30.97*	
		For >100, Deduct	*-46.75*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	357.80	27.56
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-32.43*	
		For >100, Deduct	*-48.95*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	326.63	27.56
		For >25 To 50, Deduct	*-14.36*	
		For >50 To 100, Deduct	*-29.32*	
		For >100, Deduct	*-44.27*	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	333.96	27.56
		For >25 To 50, Deduct	*-14.73*	
		For >50 To 100, Deduct	*-30.05*	
		For >100, Deduct	*-45.37*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	341.25	27.56
		For >25 To 50, Deduct	*-15.09*	
		For >50 To 100, Deduct	*-30.78*	
		For >100, Deduct	*-46.46*	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	358.50	27.56
		For >25 To 50, Deduct	*-15.96*	
		For >50 To 100, Deduct	*-32.50*	
		For >100, Deduct	*-49.05*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	361.68	27.56
		For >25 To 50, Deduct	*-16.12*	
		For >50 To 100, Deduct	*-32.82*	
		For >100, Deduct	*-49.53*	

10 51 13 00-0078 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	309.23	27.56
		For >25 To 50, Deduct	*-13.49*	
		For >50 To 100, Deduct	*-27.58*	
		For >100, Deduct	*-41.66*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	316.16	27.56
		For >25 To 50, Deduct	*-13.84*	
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-42.70*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	323.04	27.56
		For >25 To 50, Deduct	*-14.18*	
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-43.73*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	339.27	27.56
		For >25 To 50, Deduct	*-15.00*	
		For >50 To 100, Deduct	*-30.58*	
		For >100, Deduct	*-46.17*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	342.22	27.56
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-30.88*	
		For >100, Deduct	*-46.61*	
10 51 13 00-0084		**Six Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)*		
10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	320.01	27.56
		For >25 To 50, Deduct	*-14.03*	
		For >50 To 100, Deduct	*-28.65*	
		For >100, Deduct	*-43.28*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	330.12	27.56
		For >25 To 50, Deduct	*-14.54*	
		For >50 To 100, Deduct	*-29.67*	
		For >100, Deduct	*-44.79*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	337.55	27.56
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-45.91*	
10 51 13 00-0088		**All Welded Locker Accessories** *(10 51 13 00-0044)*		
10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	135.20	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	220.06	5.72
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	254.83	5.72
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	155.68	5.72
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	48.06	5.72
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	43.65	5.72
10 51 13 00-0095		**Athletic Lockers** *(10 51 13)*		
		Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096		**Single Tier Athletic Locker** *(10 51 13 00-0095)*		
		Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA	12" x 15" x 60" Single Tier Athletic Locker	434.81	45.81
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-35.69*	
		For >100, Deduct	*-54.23*	
10 51 13 00-0098	EA	12" x 18" x 60" Single Tier Athletic Locker	449.30	45.81
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-37.14*	
		For >100, Deduct	*-56.40*	
10 51 13 00-0099	EA	15" x 15" x 60" Single Tier Athletic Locker	458.62	45.81
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-38.08*	
		For >100, Deduct	*-57.80*	
10 51 13 00-0100	EA	15" x 18" x 60" Single Tier Athletic Locker	474.09	45.81
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-39.62*	
		For >100, Deduct	*-60.12*	
10 51 13 00-0101	EA	18" x 18" x 60" Single Tier Athletic Locker	540.84	45.81
		For >25 To 50, Deduct	*-22.46*	
		For >50 To 100, Deduct	*-46.30*	
		For >100, Deduct	*-70.13*	
10 51 13 00-0102	EA	18" x 21" x 60" Single Tier Athletic Locker	593.91	45.81
		For >25 To 50, Deduct	*-25.12*	
		For >50 To 100, Deduct	*-51.60*	
		For >100, Deduct	*-78.09*	
10 51 13 00-0103	EA	18" x 24" x 60" Single Tier Athletic Locker	630.21	45.81
		For >25 To 50, Deduct	*-26.93*	
		For >50 To 100, Deduct	*-55.23*	
		For >100, Deduct	*-83.54*	
10 51 13 00-0104	EA	12" x 15" x 72" Single Tier Athletic Locker	450.89	45.81
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-37.30*	
		For >100, Deduct	*-56.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0105	EA	12" x 18" x 72" Single Tier Athletic Locker	477.00	45.81
		For >25 To 50, Deduct	*-19.27*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.56*	
10 51 13 00-0106	EA	15" x 15" x 72" Single Tier Athletic Locker	486.18	45.81
		For >25 To 50, Deduct	*-19.73*	
		For >50 To 100, Deduct	*-40.83*	
		For >100, Deduct	*-61.93*	
10 51 13 00-0107	EA	15" x 18" x 72" Single Tier Athletic Locker	502.94	45.81
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-42.51*	
		For >100, Deduct	*-64.45*	
10 51 13 00-0108	EA	18" x 18" x 72" Single Tier Athletic Locker	544.26	45.81
		For >25 To 50, Deduct	*-22.63*	
		For >50 To 100, Deduct	*-46.64*	
		For >100, Deduct	*-70.65*	
10 51 13 00-0109	EA	18" x 21" x 72" Single Tier Athletic Locker	587.57	45.81
		For >25 To 50, Deduct	*-24.80*	
		For >50 To 100, Deduct	*-50.97*	
		For >100, Deduct	*-77.14*	

10 51 13 00-0110 Two Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0111	EA	12" x 12" x 60" Two Tier Athletic Locker	486.08	47.24
		For >25 To 50, Deduct	*-19.58*	
		For >50 To 100, Deduct	*-40.58*	
		For >100, Deduct	*-61.57*	
10 51 13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	501.51	47.24
		For >25 To 50, Deduct	*-20.35*	
		For >50 To 100, Deduct	*-42.12*	
		For >100, Deduct	*-63.89*	
10 51 13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	518.87	47.24
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-43.86*	
		For >100, Deduct	*-66.49*	
10 51 13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	520.56	47.24
		For >25 To 50, Deduct	*-21.30*	
		For >50 To 100, Deduct	*-44.03*	
		For >100, Deduct	*-66.75*	
10 51 13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	524.18	47.24
		For >25 To 50, Deduct	*-21.49*	
		For >50 To 100, Deduct	*-44.39*	
		For >100, Deduct	*-67.29*	
10 51 13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	554.69	47.24
		For >25 To 50, Deduct	*-23.01*	
		For >50 To 100, Deduct	*-47.44*	
		For >100, Deduct	*-71.87*	
10 51 13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	577.04	47.24
		For >25 To 50, Deduct	*-24.13*	
		For >50 To 100, Deduct	*-49.67*	
		For >100, Deduct	*-75.22*	
10 51 13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	676.86	47.24
		For >25 To 50, Deduct	*-29.12*	
		For >50 To 100, Deduct	*-59.66*	
		For >100, Deduct	*-90.19*	
10 51 13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	502.78	47.24
		For >25 To 50, Deduct	*-20.42*	
		For >50 To 100, Deduct	*-42.25*	
		For >100, Deduct	*-64.08*	
10 51 13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	518.58	47.24
		For >25 To 50, Deduct	*-21.21*	
		For >50 To 100, Deduct	*-43.83*	
		For >100, Deduct	*-66.45*	
10 51 13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	540.12	47.24
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.98*	
		For >100, Deduct	*-69.68*	
10 51 13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	543.39	47.24
		For >25 To 50, Deduct	*-22.45*	
		For >50 To 100, Deduct	*-46.31*	
		For >100, Deduct	*-70.17*	
10 51 13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	561.09	47.24
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-48.08*	
		For >100, Deduct	*-72.83*	
10 51 13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	582.84	47.24
		For >25 To 50, Deduct	*-24.42*	
		For >50 To 100, Deduct	*-50.25*	
		For >100, Deduct	*-76.09*	
10 51 13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	631.64	47.24
		For >25 To 50, Deduct	*-26.86*	
		For >50 To 100, Deduct	*-55.13*	
		For >100, Deduct	*-83.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0126		**Three Tier Athletic Locker** *(10 51 13 00-0095)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	526.11	48.67
		For >25 To 50, Deduct	*-21.44*	
		For >50 To 100, Deduct	*-44.34*	
		For >100, Deduct	*-67.23*	
10 51 13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	551.11	48.67
		For >25 To 50, Deduct	*-22.69*	
		For >50 To 100, Deduct	*-46.84*	
		For >100, Deduct	*-70.98*	
10 51 13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	573.22	48.67
		For >25 To 50, Deduct	*-23.79*	
		For >50 To 100, Deduct	*-49.05*	
		For >100, Deduct	*-74.30*	
10 51 13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	588.23	48.67
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-50.55*	
		For >100, Deduct	*-76.55*	
10 51 13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	613.23	48.67
		For >25 To 50, Deduct	*-25.79*	
		For >50 To 100, Deduct	*-53.05*	
		For >100, Deduct	*-80.30*	
10 51 13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	554.59	48.67
		For >25 To 50, Deduct	*-22.86*	
		For >50 To 100, Deduct	*-47.18*	
		For >100, Deduct	*-71.51*	
10 51 13 00-0133	EA	12" x 15" x 72" Three Tier Athletic Locker	577.17	48.67
		For >25 To 50, Deduct	*-23.99*	
		For >50 To 100, Deduct	*-49.44*	
		For >100, Deduct	*-74.89*	
10 51 13 00-0134	EA	12" x 18" x 72" Three Tier Athletic Locker	608.33	48.67
		For >25 To 50, Deduct	*-25.55*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-79.57*	
10 51 13 00-0135	EA	15" x 15" x 72" Three Tier Athletic Locker	624.28	48.67
		For >25 To 50, Deduct	*-26.35*	
		For >50 To 100, Deduct	*-54.15*	
		For >100, Deduct	*-81.96*	
10 51 13 00-0136	EA	15" x 18" x 72" Three Tier Athletic Locker	648.21	48.67
		For >25 To 50, Deduct	*-27.54*	
		For >50 To 100, Deduct	*-56.55*	
		For >100, Deduct	*-85.55*	
10 51 13 00-0137		**Four Tier Athletic Locker** *(10 51 13 00-0095)*		
10 51 13 00-0138	EA	12" x 12" x 60" Four Tier Athletic Locker	486.32	50.10
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-40.11*	
		For >100, Deduct	*-60.92*	
10 51 13 00-0139	EA	12" x 15" x 60" Four Tier Athletic Locker	516.94	50.10
		For >25 To 50, Deduct	*-20.84*	
		For >50 To 100, Deduct	*-43.18*	
		For >100, Deduct	*-65.52*	
10 51 13 00-0140	EA	12" x 18" x 60" Four Tier Athletic Locker	547.57	50.10
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-46.24*	
		For >100, Deduct	*-70.11*	
10 51 13 00-0141	EA	15" x 15" x 60" Four Tier Athletic Locker	560.08	50.10
		For >25 To 50, Deduct	*-22.99*	
		For >50 To 100, Deduct	*-47.49*	
		For >100, Deduct	*-71.99*	
10 51 13 00-0142	EA	15" x 18" x 60" Four Tier Athletic Locker	610.38	50.10
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-52.52*	
		For >100, Deduct	*-79.53*	
10 51 13 00-0143	EA	12" x 12" x 72" Four Tier Athletic Locker	517.48	50.10
		For >25 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-43.23*	
		For >100, Deduct	*-65.60*	
10 51 13 00-0144	EA	12" x 15" x 72" Four Tier Athletic Locker	548.54	50.10
		For >25 To 50, Deduct	*-22.42*	
		For >50 To 100, Deduct	*-46.34*	
		For >100, Deduct	*-70.26*	
10 51 13 00-0145	EA	12" x 18" x 72" Four Tier Athletic Locker	579.60	50.10
		For >25 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-49.44*	
		For >100, Deduct	*-74.91*	
10 51 13 00-0146	EA	15" x 15" x 72" Four Tier Athletic Locker	595.50	50.10
		For >25 To 50, Deduct	*-24.76*	
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-77.30*	
10 51 13 00-0147	EA	15" x 18" x 72" Four Tier Athletic Locker	607.44	50.10
		For >25 To 50, Deduct	*-25.36*	
		For >50 To 100, Deduct	*-52.23*	
		For >100, Deduct	*-79.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0148		**Six Tier Athletic Locker** *(10 51 13 00-0095)*		
10 51 13 00-0149	EA	12" x 12" x 72" Six Tier Athletic Locker	572.58	51.53
		For >25 To 50, Deduct	*-23.48*	
		For >50 To 100, Deduct	*-48.50*	
		For >100, Deduct	*-73.52*	
10 51 13 00-0150	EA	12" x 15" x 72" Six Tier Athletic Locker	596.44	51.53
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-50.88*	
		For >100, Deduct	*-77.10*	
10 51 13 00-0151	EA	12" x 18" x 72" Six Tier Athletic Locker	620.26	51.53
		For >25 To 50, Deduct	*-25.86*	
		For >50 To 100, Deduct	*-53.27*	
		For >100, Deduct	*-80.67*	
10 51 13 00-0152	EA	12" x 21" x 72" Six Tier Athletic Locker	707.19	51.53
		For >25 To 50, Deduct	*-30.21*	
		For >50 To 100, Deduct	*-61.96*	
		For >100, Deduct	*-93.71*	
10 51 13 00-0153		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0154		**Locker Slope Tops** *(10 51 13 00-0153)*		
10 51 13 00-0155		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0154)*		
10 51 13 00-0156	LF	12" Deep, 16 Gauge Continuous Slope Top	36.90	5.72
10 51 13 00-0157	LF	15" Deep, 16 Gauge Continuous Slope Top	31.47	5.72
10 51 13 00-0158	LF	18" Deep, 16 Gauge Continuous Slope Top	42.46	5.72
10 51 13 00-0159	LF	21" Deep, 16 Gauge Continuous Slope Top	46.69	5.72
10 51 13 00-0160	LF	24" Deep, 16 Gauge Continuous Slope Top	48.67	5.72
10 51 13 00-0161		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0154)*		
10 51 13 00-0162	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	146.00	5.72
10 51 13 00-0163	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	149.09	5.72
10 51 13 00-0164	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	152.15	5.72
10 51 13 00-0165	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	155.87	5.72
10 51 13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	159.55	5.72
10 51 13 00-0167		**20 Gauge Individual Slope Top** *(10 51 13 00-0154)*		
10 51 13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	32.01	5.72
10 51 13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	31.81	5.72
10 51 13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	35.15	5.72
10 51 13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	35.15	5.72
10 51 13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.95	5.72
10 51 13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	39.11	5.72
10 51 13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	39.11	5.72
10 51 13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	43.27	5.72
10 51 13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	48.22	5.72
10 51 13 00-0177		**Continuous Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0178	PR	12" Deep, Continuous Slope Top End Closures	33.98	5.72
10 51 13 00-0179	PR	15" Deep, Continuous Slope Top End Closures	29.20	5.72
10 51 13 00-0180	PR	18" Deep, Continuous Slope Top End Closures	37.92	5.72
10 51 13 00-0181	PR	21" Deep, Continuous Slope Top End Closures	39.90	5.72
10 51 13 00-0182	PR	24" Deep, Continuous Slope Top End Closures	41.26	5.72
10 51 13 00-0183		**Individual Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0184	EA	12" Deep, Individual Slope Top End Closures	22.72	5.72
10 51 13 00-0185	EA	15" Deep, Individual Slope Top End Closures	23.34	5.72
10 51 13 00-0186	EA	18" Deep, Individual Slope Top End Closures	24.71	5.72
10 51 13 00-0187	EA	21" Deep, Individual Slope Top End Closures	25.66	5.72
10 51 13 00-0188	EA	24" Deep, Individual Slope Top End Closures	35.41	5.72
10 51 13 00-0189		**Locker Base** *(10 51 13 00-0153)*		
10 51 13 00-0190		**Closed Front Base** *(10 51 13 00-0189)*		
10 51 13 00-0191	EA	12" Wide, 6" High Closed Front Base	23.77	5.72
10 51 13 00-0192	EA	15" Wide, 6" High Closed Front Base	24.81	5.72
10 51 13 00-0193	EA	18" Wide, 6" High Closed Front Base	26.96	5.72
10 51 13 00-0194	EA	24" Wide, 6" High Closed Front Base	27.99	5.72
10 51 13 00-0195		**Closed End Base** *(10 51 13 00-0189)*		
10 51 13 00-0196	EA	12" Deep, 6" High Closed End Base	26.64	5.72
10 51 13 00-0197	EA	15" Deep, 6" High Closed End Base	26.82	5.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0198	EA	18" Deep, 6" High Closed End Base	28.21	5.72
10 51 13 00-0199	EA	21" Deep, 6" High Closed End Base	29.58	5.72
10 51 13 00-0200	EA	24" Deep, 6" High Closed End Base	31.45	5.72
10 51 13 00-0201		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0189)*		
10 51 13 00-0202	LF	4" High Recessed Continuous Front "Z" Base	27.31	4.29
10 51 13 00-0203		**"Z" Base Ends Or Splice** *(10 51 13 00-0189)*		
10 51 13 00-0204	EA	12" Wide, 4" High Z-Base Ends Or Splice	27.75	5.72
10 51 13 00-0205	EA	15" Wide, 4" High Z-Base Ends Or Splice	31.81	5.72
10 51 13 00-0206	EA	18" Wide, 4" High Z-Base Ends Or Splice	35.95	5.72
10 51 13 00-0207	EA	21" Wide, 4" High Z-Base Ends Or Splice	40.30	5.72
10 51 13 00-0208	EA	24" Wide, 4" High Z-Base Ends Or Splice	44.64	5.72
10 51 13 00-0209		**Locker Front Fillers And End Panels** *(10 51 13 00-0153)*		
10 51 13 00-0210		**Locker Front Fillers** *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	6" Wide x 48" High, 16 Gauge Front Filler	36.04	7.15
10 51 13 00-0212	EA	12" Wide x 48" High, 16 Gauge Front Filler	56.77	7.15
10 51 13 00-0213	EA	6" Wide x 60" High, 16 Gauge Front Filler	44.55	7.15
10 51 13 00-0214	EA	12" Wide x 60" High, 16 Gauge Front Filler	67.39	7.15
10 51 13 00-0215	EA	6" Wide x 66" High, 16 Gauge Front Filler	48.27	7.15
10 51 13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler	53.92	7.15
10 51 13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler	52.59	7.15
10 51 13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler	73.56	7.15
10 51 13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler	53.78	7.15
10 51 13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler	62.26	7.15
10 51 13 00-0221		**Locker End Panels** *(10 51 13 00-0209)*		
10 51 13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel	57.17	5.72
10 51 13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel	69.36	5.72
10 51 13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel	81.10	5.72
10 51 13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel	67.16	5.72
10 51 13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel	75.91	5.72
10 51 13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel	89.67	5.72
10 51 13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel	78.79	5.72
10 51 13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel	89.43	5.72
10 51 13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel	103.60	5.72
10 51 13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel	118.97	5.72
10 51 13 00-0232		**Locker Recessed Trim** *(10 51 13 00-0153)*		
10 51 13 00-0233	LF	3" Height, Top Trim For Recessed Lockers	12.34	2.86
10 51 13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	33.34	5.72
10 51 13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	49.75	5.72
10 51 13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	51.48	5.72
10 51 13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	53.21	5.72
10 51 13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	54.72	5.72
10 51 13 00-0239		**Locker Interior Accessories** *(10 51 13 00-0153)*		
10 51 13 00-0240		**Locker Coat Rods** *(10 51 13 00-0239)*		
10 51 13 00-0241	EA	12" Wide Coat Rod	18.91	5.72
10 51 13 00-0242	EA	15" Wide Coat Rod	20.52	5.72
10 51 13 00-0243	EA	18" Wide Coat Rod	21.95	5.72
10 51 13 00-0244	EA	24" Wide Coat Rod	23.21	5.72
10 51 13 00-0245		**Locker Hat Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0246	EA	12" Wide Hat Shelf	22.30	5.72
10 51 13 00-0247	EA	15" Wide Hat Shelf	25.78	5.72
10 51 13 00-0248	EA	18" Wide Hat Shelf	27.25	5.72
10 51 13 00-0249	EA	24" Wide Hat Shelf	33.06	5.72
10 51 13 00-0250		**Locker ADA Compliant Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	42.53	7.15
10 51 13 00-0252		**Other Interior Locker Accessories** *(10 51 13 00-0239)*		
10 51 13 00-0253	EA	3" x 10" Bent Plate Shoe Rack	54.86	5.72
10 51 13 00-0254	EA	8" x 10" Mirror	44.01	5.72
10 51 13 00-0255	EA	Additional Hook	14.17	5.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0256		**Locker Locks** *(10 51 13 00-0153)*		
10 51 13 00-0257	EA	Built In Combination Lock	48.06	5.72
10 51 13 00-0258		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0259	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,189.53	107.36
10 51 13 00-0260	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,877.53	107.36
10 51 26		**Plastic Lockers** *(10 51)*		
10 51 26 00-0001		**Solid Plastic Lockers** *(10 51 26)* Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		**Single Tier Solid Plastic Lockers** *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	580.13	44.38
		For >50 To 100, Deduct	*-49.14*	
		For >100, Deduct	*-76.37*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	590.00	44.38
		For >50 To 100, Deduct	*-50.13*	
		For >100, Deduct	*-77.85*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	599.86	44.38
		For >50 To 100, Deduct	*-51.11*	
		For >100, Deduct	*-79.33*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	614.64	44.38
		For >50 To 100, Deduct	*-52.59*	
		For >100, Deduct	*-81.55*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	599.00	44.38
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-79.20*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	603.15	44.38
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-79.82*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	595.86	44.38
		For >50 To 100, Deduct	*-50.71*	
		For >100, Deduct	*-78.73*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	636.56	44.38
		For >50 To 100, Deduct	*-54.78*	
		For >100, Deduct	*-84.83*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	627.17	44.38
		For >50 To 100, Deduct	*-53.84*	
		For >100, Deduct	*-83.43*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	638.12	44.38
		For >50 To 100, Deduct	*-54.94*	
		For >100, Deduct	*-85.07*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	649.08	44.38
		For >50 To 100, Deduct	*-56.03*	
		For >100, Deduct	*-86.71*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	674.13	44.38
		For >50 To 100, Deduct	*-58.54*	
		For >100, Deduct	*-90.47*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	708.56	44.38
		For >50 To 100, Deduct	*-61.98*	
		For >100, Deduct	*-95.63*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	677.25	44.38
		For >50 To 100, Deduct	*-58.85*	
		For >100, Deduct	*-90.94*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	733.59	44.38
		For >50 To 100, Deduct	*-64.48*	
		For >100, Deduct	*-99.39*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	631.54	44.38
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-84.08*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	663.64	44.38
		For >50 To 100, Deduct	*-57.49*	
		For >100, Deduct	*-88.90*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	695.77	44.38
		For >50 To 100, Deduct	*-60.70*	
		For >100, Deduct	*-93.72*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	672.24	44.38
		For >50 To 100, Deduct	*-58.35*	
		For >100, Deduct	*-90.19*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	706.28	44.38
		For >50 To 100, Deduct	*-61.75*	
		For >100, Deduct	*-95.29*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	740.33	44.38
		For >50 To 100, Deduct	*-65.16*	
		For >100, Deduct	*-100.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	712.95	44.38
		For >50 To 100, Deduct	*-62.42*	
		For >100, Deduct	*-96.29*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	748.93	44.38
		For >50 To 100, Deduct	*-66.02*	
		For >100, Deduct	*-101.69*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	719.68	45.81
		For >50 To 100, Deduct	*-62.81*	
		For >100, Deduct	*-96.96*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	755.68	45.81
		For >50 To 100, Deduct	*-66.41*	
		For >100, Deduct	*-102.36*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	791.64	45.81
		For >50 To 100, Deduct	*-70.00*	
		For >100, Deduct	*-107.75*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	766.40	45.81
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-103.97*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	804.37	45.81
		For >50 To 100, Deduct	*-71.28*	
		For >100, Deduct	*-109.66*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	842.29	45.81
		For >50 To 100, Deduct	*-75.07*	
		For >100, Deduct	*-115.35*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	803.64	45.81
		For >50 To 100, Deduct	*-71.20*	
		For >100, Deduct	*-109.55*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	853.01	45.81
		For >50 To 100, Deduct	*-76.14*	
		For >100, Deduct	*-116.96*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	892.88	45.81
		For >50 To 100, Deduct	*-80.13*	
		For >100, Deduct	*-122.94*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	648.81	45.81
		For >50 To 100, Deduct	*-55.72*	
		For >100, Deduct	*-86.33*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	658.20	45.81
		For >50 To 100, Deduct	*-56.66*	
		For >100, Deduct	*-87.74*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	672.28	45.81
		For >50 To 100, Deduct	*-58.07*	
		For >100, Deduct	*-89.85*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	667.59	45.81
		For >50 To 100, Deduct	*-57.60*	
		For >100, Deduct	*-89.15*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	692.64	45.81
		For >50 To 100, Deduct	*-60.10*	
		For >100, Deduct	*-92.90*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	752.11	45.81
		For >50 To 100, Deduct	*-66.05*	
		For >100, Deduct	*-101.82*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	673.86	45.81
		For >50 To 100, Deduct	*-58.23*	
		For >100, Deduct	*-90.09*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	704.15	45.81
		For >50 To 100, Deduct	*-61.25*	
		For >100, Deduct	*-94.63*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	758.38	45.81
		For >50 To 100, Deduct	*-66.68*	
		For >100, Deduct	*-102.76*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	670.35	45.81
		For >50 To 100, Deduct	*-57.87*	
		For >100, Deduct	*-89.56*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	719.38	45.81
		For >50 To 100, Deduct	*-62.78*	
		For >100, Deduct	*-96.91*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	733.39	45.81
		For >50 To 100, Deduct	*-64.18*	
		For >100, Deduct	*-99.02*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	727.57	45.81
		For >50 To 100, Deduct	*-63.60*	
		For >100, Deduct	*-98.14*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	760.07	45.81
		For >50 To 100, Deduct	*-66.85*	
		For >100, Deduct	*-103.02*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	766.42	45.81
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-103.97*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	800.77	45.81
		For >50 To 100, Deduct	*-70.92*	
		For >100, Deduct	*-109.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	835.13	45.81
		For >50 To 100, Deduct	*-74.35*	
		For >100, Deduct	*-114.28*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	772.99	47.24
		For >50 To 100, Deduct	*-67.85*	
		For >100, Deduct	*-104.61*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	807.34	47.24
		For >50 To 100, Deduct	*-71.29*	
		For >100, Deduct	*-109.76*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	825.25	47.24
		For >50 To 100, Deduct	*-73.08*	
		For >100, Deduct	*-112.45*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	817.59	47.24
		For >50 To 100, Deduct	*-72.31*	
		For >100, Deduct	*-111.30*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	853.82	47.24
		For >50 To 100, Deduct	*-75.93*	
		For >100, Deduct	*-116.74*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	890.04	47.24
		For >50 To 100, Deduct	*-79.56*	
		For >100, Deduct	*-122.17*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	824.07	47.24
		For >50 To 100, Deduct	*-72.96*	
		For >100, Deduct	*-112.27*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	900.26	47.24
		For >50 To 100, Deduct	*-80.58*	
		For >100, Deduct	*-123.70*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	938.32	47.24
		For >50 To 100, Deduct	*-84.38*	
		For >100, Deduct	*-129.41*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	639.94	47.24
		For >50 To 100, Deduct	*-54.55*	
		For >100, Deduct	*-84.65*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	665.72	47.24
		For >50 To 100, Deduct	*-57.12*	
		For >100, Deduct	*-88.52*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	689.35	47.24
		For >50 To 100, Deduct	*-59.49*	
		For >100, Deduct	*-92.06*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	693.93	47.24
		For >50 To 100, Deduct	*-59.95*	
		For >100, Deduct	*-92.75*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	749.01	47.24
		For >50 To 100, Deduct	*-65.45*	
		For >100, Deduct	*-101.01*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	749.27	47.24
		For >50 To 100, Deduct	*-65.48*	
		For >100, Deduct	*-101.05*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	779.32	47.24
		For >50 To 100, Deduct	*-68.48*	
		For >100, Deduct	*-105.56*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	809.50	47.24
		For >50 To 100, Deduct	*-71.50*	
		For >100, Deduct	*-110.09*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	839.66	47.24
		For >50 To 100, Deduct	*-74.52*	
		For >100, Deduct	*-114.61*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	815.41	47.24
		For >50 To 100, Deduct	*-72.09*	
		For >100, Deduct	*-110.97*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	847.30	47.24
		For >50 To 100, Deduct	*-75.28*	
		For >100, Deduct	*-115.76*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	879.19	47.24
		For >50 To 100, Deduct	*-78.47*	
		For >100, Deduct	*-120.54*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	821.69	48.67
		For >50 To 100, Deduct	*-72.44*	
		For >100, Deduct	*-111.57*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	853.60	48.67
		For >50 To 100, Deduct	*-75.63*	
		For >100, Deduct	*-116.36*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	876.00	48.67
		For >50 To 100, Deduct	*-77.87*	
		For >100, Deduct	*-119.72*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	863.10	48.67
		For >50 To 100, Deduct	*-76.58*	
		For >100, Deduct	*-117.78*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	873.22	48.67
		For >50 To 100, Deduct	*-77.59*	
		For >100, Deduct	*-119.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	909.67	48.67
		For >50 To 100, Deduct	*-81.23*	
		For >100, Deduct	*-124.77*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	848.62	48.67
		For >50 To 100, Deduct	*-75.13*	
		For >100, Deduct	*-115.61*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	922.74	48.67
		For >50 To 100, Deduct	*-82.54*	
		For >100, Deduct	*-126.73*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	975.21	48.67
		For >50 To 100, Deduct	*-87.79*	
		For >100, Deduct	*-134.60*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	740.62	48.67
		For >50 To 100, Deduct	*-64.33*	
		For >100, Deduct	*-99.41*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	761.54	48.67
		For >50 To 100, Deduct	*-66.42*	
		For >100, Deduct	*-102.55*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	800.11	48.67
		For >50 To 100, Deduct	*-70.28*	
		For >100, Deduct	*-108.34*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	795.40	48.67
		For >50 To 100, Deduct	*-69.81*	
		For >100, Deduct	*-107.63*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	845.37	48.67
		For >50 To 100, Deduct	*-74.80*	
		For >100, Deduct	*-115.12*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	861.13	48.67
		For >50 To 100, Deduct	*-76.38*	
		For >100, Deduct	*-117.49*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	853.31	48.67
		For >50 To 100, Deduct	*-75.60*	
		For >100, Deduct	*-116.32*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	879.92	48.67
		For >50 To 100, Deduct	*-78.26*	
		For >100, Deduct	*-120.31*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	956.62	48.67
		For >50 To 100, Deduct	*-85.93*	
		For >100, Deduct	*-131.81*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	849.84	50.10
		For >50 To 100, Deduct	*-74.96*	
		For >100, Deduct	*-115.45*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	886.93	50.10
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-121.01*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	891.77	50.10
		For >50 To 100, Deduct	*-79.16*	
		For >100, Deduct	*-121.74*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	938.51	50.10
		For >50 To 100, Deduct	*-83.83*	
		For >100, Deduct	*-128.75*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	895.26	50.10
		For >50 To 100, Deduct	*-79.51*	
		For >100, Deduct	*-122.26*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	934.44	50.10
		For >50 To 100, Deduct	*-83.42*	
		For >100, Deduct	*-128.14*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	893.76	50.10
		For >50 To 100, Deduct	*-79.36*	
		For >100, Deduct	*-122.04*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	940.71	50.10
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-129.08*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,011.06	50.10
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-139.63*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	803.78	49.38
		For >50 To 100, Deduct	*-70.50*	
		For >100, Deduct	*-108.71*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	829.69	49.38
		For >50 To 100, Deduct	*-73.09*	
		For >100, Deduct	*-112.60*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	855.59	49.38
		For >50 To 100, Deduct	*-75.68*	
		For >100, Deduct	*-116.49*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	839.10	49.38
		For >50 To 100, Deduct	*-74.03*	
		For >100, Deduct	*-114.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	885.49	49.38
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-120.97*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	907.95	49.38
		For >50 To 100, Deduct	*-80.92*	
		For >100, Deduct	*-124.34*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	900.13	49.38
		For >50 To 100, Deduct	*-80.14*	
		For >100, Deduct	*-123.17*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	925.17	49.38
		For >50 To 100, Deduct	*-82.64*	
		For >100, Deduct	*-126.92*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,006.57	49.38
		For >50 To 100, Deduct	*-90.78*	
		For >100, Deduct	*-139.13*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	875.44	50.81
		For >50 To 100, Deduct	*-77.38*	
		For >100, Deduct	*-119.12*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	904.49	50.81
		For >50 To 100, Deduct	*-80.29*	
		For >100, Deduct	*-123.48*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	933.52	50.81
		For >50 To 100, Deduct	*-83.19*	
		For >100, Deduct	*-127.83*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	923.36	50.81
		For >50 To 100, Deduct	*-82.17*	
		For >100, Deduct	*-126.31*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	943.79	50.81
		For >50 To 100, Deduct	*-84.22*	
		For >100, Deduct	*-129.37*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	974.38	50.81
		For >50 To 100, Deduct	*-87.27*	
		For >100, Deduct	*-133.96*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	950.87	50.81
		For >50 To 100, Deduct	*-84.92*	
		For >100, Deduct	*-130.43*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	985.95	50.81
		For >50 To 100, Deduct	*-88.43*	
		For >100, Deduct	*-135.70*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,026.66	50.81
		For >50 To 100, Deduct	*-92.50*	
		For >100, Deduct	*-141.80*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	923.60	50.10
		For >50 To 100, Deduct	*-82.34*	
		For >100, Deduct	*-126.51*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	907.53	51.53
		For >50 To 100, Deduct	*-80.45*	
		For >100, Deduct	*-123.76*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	936.53	51.53
		For >50 To 100, Deduct	*-83.35*	
		For >100, Deduct	*-128.11*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	955.89	51.53
		For >50 To 100, Deduct	*-85.28*	
		For >100, Deduct	*-131.02*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	994.57	51.53
		For >50 To 100, Deduct	*-89.15*	
		For >100, Deduct	*-136.82*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,005.86	51.53
		For >50 To 100, Deduct	*-90.28*	
		For >100, Deduct	*-138.51*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,013.92	51.53
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-139.72*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,017.13	51.53
		For >50 To 100, Deduct	*-91.41*	
		For >100, Deduct	*-140.20*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,052.60	51.53
		For >50 To 100, Deduct	*-94.95*	
		For >100, Deduct	*-145.52*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,099.36	51.53
		For >50 To 100, Deduct	*-99.63*	
		For >100, Deduct	*-152.54*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	44.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0136		**Recessed Bases For Solid Plastic Lockers** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	49.13	
10 51 26 00-0138		**End Panels For Solid Plastic Lockers** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	109.84	
10 51 26 00-0140		**Venting Options For Solid Plastic Locker Doors** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	41.86	
10 51 26 00-0142		**Filler Panels For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	119.51	
10 51 26 00-0144		**Locker Accessories For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	10.46	
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	31.40	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	41.86	
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	120.03	7.15
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	96.07	7.15
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	146.05	7.15
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	139.64	7.15
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	108.78	7.15
10 55		**Postal Specialties** *(10 50)*		
10 55 23		**Mail Boxes** *(10 55)*		
10 55 23 23		**Residential Mail Boxes** *(10 55 23)*		
10 55 23 23-0001		**Residential Mail Boxes** *(10 55 23 23)*		
10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	143.94	16.10
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	191.89	16.10
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	102.39	14.33
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	154.78	17.90
10 55 23 26		**Commercial Mail Boxes** *(10 55 23)*		
10 55 23 26-0001		**Commercial Letter Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	435.41	21.47
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	502.69	21.47
10 55 23 26-0004		**Commercial Horizontal Mail Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	90.57	21.47
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	190.81	28.63
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	115.55	17.90
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	179.77	28.63
10 55 23 26-0009		**Commercial Cluster Mail Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	2,222.06	42.94
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	2,634.19	57.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,600.23	57.26
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,712.36	57.26
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,880.57	57.26
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,996.70	57.26
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,494.06	57.26
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,628.62	57.26
10 55 26		**Parcel Lockers** *(10 55)*		
10 55 26 00-0001		Parcel Lockers *(10 55 26)*		
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,654.64	42.94
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,968.72	57.26
10 56		**Storage Assemblies** *(10 50)*		
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	161.28	24.03
		For >75" To 87" High, Add	*14.01*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	161.65	25.24
		For >75" To 87" High, Add	*13.91*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	155.49	27.64
		For >75" To 87" High, Add	*13.11*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	197.43	30.05
		For >75" To 87" High, Add	*17.14*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	221.27	31.25
		For >75" To 87" High, Add	*19.35*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	213.37	33.65
		For >75" To 87" High, Add	*18.39*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	237.02	36.06
		For >75" To 87" High, Add	*20.57*	
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*		
		Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	115.94	12.25
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	114.70	13.10
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	128.84	13.94
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	133.99	14.78
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	154.34	15.74
10 56 13 16-0016		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	135.26	24.03
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	110.13	25.24
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	126.29	27.64
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	133.08	30.05
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	152.02	31.25
10 56 16		**Fabricated Wood Storage Shelving** *(10 56)*		
10 56 16 00-0001		Shelving *(10 56 16)*		
10 56 16 00-0002		Built-In Wood Shelving *(10 56 16 00-0001)*		
		Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	26.12	3.60
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	28.14	4.32
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	28.44	7.21
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0006		Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	22.20	8.65
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	24.27	9.23
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	26.59	9.95
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	33.93	
10 56 16 00-0011		Plywood Shelf With Edge Band *(10 56 16 00-0001)*		
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	26.11	8.65
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	39.28	10.81
10 56 16 00-0014		Adjustable Shelf And Rod *(10 56 16 00-0001)*		
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	207.96	32.44
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	247.97	43.27
10 56 16 00-0017		Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*		
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	23.24	8.65
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	25.21	9.23
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	79.81	14.43
10 56 16 00-0021		Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	25.66	13.55

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001		Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	98.57	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	101.95	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	109.78	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	119.89	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	122.39	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	144.06	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0008		304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	159.99	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	175.33	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	190.74	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	226.16	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	247.12	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	277.40	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0015		Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.68	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	68.97	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	71.73	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	75.73	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	80.59	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	93.64	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	96.43	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	108.24	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	224.72	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	233.76	14.32
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	70.22	14.32
		For Installation On Concrete Walls, Add	*4.23*	
		For Installation On Concrete Block Walls, Add	*6.51*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	71.81	14.32
		For Installation On Concrete Walls, Add	*4.26*	
		For Installation On Concrete Block Walls, Add	*6.54*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	72.85	14.32
		For Installation On Concrete Walls, Add	*4.30*	
		For Installation On Concrete Block Walls, Add	*6.58*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	76.55	14.32
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*6.66*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	78.44	14.32
		For Installation On Concrete Walls, Add	*4.41*	
		For Installation On Concrete Block Walls, Add	*6.69*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	84.12	14.32
		For Installation On Concrete Walls, Add	*4.53*	
		For Installation On Concrete Block Walls, Add	*6.81*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	39.35	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	79.22	7.15
		For Custom Made Units, Add	*36.14*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	57.11	7.15
		For Custom Made Units, Add	*22.88*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	190.53	7.15
		For Custom Made Units, Add	*102.93*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	105.89	7.15
		For Custom Made Units, Add	*49.46*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	64.78	7.15
		For Custom Made Units, Add	*24.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	328.35	7.15
			For Custom Made Units, Add	*182.94*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

	10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,323.54	265.11
			For Custom Made Units, Add	*1,208.56*	
	10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,796.77	265.11
			For Custom Made Units, Add	*892.50*	

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

	10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	131.93	43.22
			For Colored Finish, Add	*13.37*	
	10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	142.82	45.38
			For Colored Finish, Add	*14.82*	
	10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	153.75	47.55
			For Colored Finish, Add	*16.26*	
	10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	163.76	49.71
			For Colored Finish, Add	*17.55*	
	10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	175.01	51.87
			For Colored Finish, Add	*19.05*	
	10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	186.77	54.03
			For Colored Finish, Add	*20.65*	
	10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	194.87	56.19
			For Colored Finish, Add	*21.59*	
	10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	203.82	58.36
			For Colored Finish, Add	*22.68*	
	10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	215.72	60.51
			For Colored Finish, Add	*24.31*	
	10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	231.54	62.67
			For Colored Finish, Add	*26.63*	
	10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	239.23	64.84
			For Colored Finish, Add	*27.50*	
	10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	258.99	67.00
			For Colored Finish, Add	*30.54*	
	10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	266.60	69.15
			For Colored Finish, Add	*31.39*	
	10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	280.48	71.32
			For Colored Finish, Add	*33.37*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

	10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	183.67	47.55
			For Colored Finish, Add	*21.65*	
	10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	196.70	49.71
			For Colored Finish, Add	*23.48*	
	10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	205.34	51.87
			For Colored Finish, Add	*24.51*	
	10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	218.74	54.03
			For Colored Finish, Add	*26.41*	
	10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	230.27	56.19
			For Colored Finish, Add	*27.96*	
	10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	241.16	58.36
			For Colored Finish, Add	*29.40*	
	10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	255.81	60.51
			For Colored Finish, Add	*31.52*	
	10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	275.06	62.67
			For Colored Finish, Add	*34.47*	
	10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	288.64	64.84
			For Colored Finish, Add	*36.39*	
	10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	303.89	67.00
			For Colored Finish, Add	*38.62*	
	10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	309.15	69.15
			For Colored Finish, Add	*39.05*	
	10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	320.24	71.32
			For Colored Finish, Add	*40.53*	

10 71 13 13-0030 Accordion Hurricane Impact Shutter *(10 71 13 13)*
Note: Add scaffolding after first floor.

	10 71 13 13-0031	SF	Aluminum Accordion Shutters, Ultraguard	43.28	6.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0032		Exterior Spanish Cedar Shutters *(10 71 13 13)*		
10 71 13 13-0033		12" Width *(10 71 13 13-0032)*		
10 71 13 13-0034	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	525.15	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	567.58	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	607.14	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	649.57	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	689.12	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	734.60	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	774.17	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0041	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	813.71	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0042	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	856.13	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043		14" Width *(10 71 13 13-0032)*		
10 71 13 13-0044	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	555.71	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	604.25	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	649.92	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	698.46	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	744.12	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	792.66	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	838.34	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	880.93	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0052	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	929.47	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053		16" Width *(10 71 13 13-0032)*		
10 71 13 13-0054	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	589.32	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	640.92	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	692.70	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	744.29	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	796.07	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	850.72	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	899.45	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	951.21	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0062	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,005.86	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063		18" Width *(10 71 13 13-0032)*		
10 71 13 13-0064	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	619.88	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	677.59	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	735.48	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	793.19	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	848.00	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	908.77	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	963.61	62.67
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0071	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,021.49	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0072	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,079.20	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073		**20" Width** *(10 71 13 13-0032)*		
10 71 13 13-0074	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	650.44	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	714.25	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	775.20	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	842.08	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	903.01	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	966.83	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,027.79	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,088.72	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0082	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,152.54	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0083		**Heavy-Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0084		**12" Width** *(10 71 13 13-0083)*		
10 71 13 13-0085	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	544.35	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	579.63	45.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	631.11	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	666.40	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	717.86	51.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	769.35	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	804.63	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	856.11	58.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	907.58	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	959.07	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	994.35	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,045.83	67.00
		For Arched Tops, Add	*150.00*	
10 71 13 13-0097	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,081.10	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098		**14" Width** *(10 71 13 13-0083)*		
10 71 13 13-0099	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	610.05	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	650.74	45.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar	710.30	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar	750.99	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	810.56	51.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar	870.15	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar	910.82	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	970.40	58.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,029.98	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,089.57	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,130.24	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,189.82	67.00
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0111	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,230.49	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112		**15" Width** *(10 71 13 13-0083)*		
10 71 13 13-0113	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	642.90	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	686.28	45.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	749.90	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	793.29	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	856.91	51.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	920.54	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	963.92	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,027.55	58.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,091.17	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,154.82	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,198.19	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,261.81	67.00
		For Arched Tops, Add	*150.00*	
10 71 13 13-0125	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,305.18	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126		**16" Width** *(10 71 13 13-0083)*		
10 71 13 13-0127	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	675.75	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	710.58	45.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	789.50	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	835.59	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	903.25	51.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	970.94	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,017.02	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,084.69	58.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,152.37	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,220.07	62.67
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,266.13	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,333.81	67.00
		For Arched Tops, Add	*150.00*	
10 71 13 13-0139	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,379.88	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140		**18" Width** *(10 71 13 13-0083)*		
10 71 13 13-0141	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	741.44	43.22
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	792.93	45.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	868.69	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	920.18	49.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	995.95	51.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,071.73	54.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,123.21	56.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,198.99	58.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,274.76	60.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,350.56	62.67
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0151	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,402.03	64.84
		For Arched Tops, Add	*150.00*	
10 71 13 13-0152	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,477.80	67.00
		For Arched Tops, Add	*150.00*	
10 71 13 13-0153	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,529.27	69.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0154		**Exterior Cypress Fixed Louver Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0155		**6" Through 8" Width** *(10 71 13 13-0154)*		
10 71 13 13-0156	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	676.23	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	760.40	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	844.81	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	930.53	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,016.28	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,102.04	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,187.75	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,273.51	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,359.26	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,444.97	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0166	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,530.72	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,616.48	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0168	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,702.23	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0169	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,787.98	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170		**10" Through 12" Width** *(10 71 13 13-0154)*		
10 71 13 13-0171	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	785.89	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	884.79	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	983.73	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,084.11	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,184.44	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,284.83	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,385.19	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,485.54	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,585.91	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0180	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,686.29	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,786.63	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,887.02	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0183	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,987.35	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0184	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,087.73	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185		**14" Through 16" Width** *(10 71 13 13-0154)*		
10 71 13 13-0186	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,029.59	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,161.01	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,292.40	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,425.27	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,558.12	47.55
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0191	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,691.00	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,823.85	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,956.72	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,959.60	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,222.44	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,355.30	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,488.15	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0198	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,621.00	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0199	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,753.86	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200		**18" Through 20" Width** *(10 71 13 13-0154)*		
10 71 13 13-0201	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,151.43	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,299.11	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,446.76	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,594.52	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,744.97	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0206	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,894.10	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,043.18	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,192.31	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,341.40	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,490.52	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,639.60	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,788.75	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0213	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,937.82	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0214	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,086.95	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215		**22" Through 24" Width** *(10 71 13 13-0154)*		
10 71 13 13-0216	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,517.00	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,713.39	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,909.82	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,107.67	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0220	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,305.49	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,503.37	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,701.20	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,899.04	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,096.91	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,294.74	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,492.58	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,690.47	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0228	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,888.29	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0229	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,086.13	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230		**26" Through 28" Width** *(10 71 13 13-0154)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0231	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,736.33	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,961.97	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,187.65	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,414.74	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,641.81	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,868.94	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	3,096.01	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,323.11	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,550.23	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,777.27	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	4,004.36	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,231.50	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0243	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,458.57	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0244	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,685.62	67.00
		For Arched Tops, Add	*65.00*	

10 71 13 13-0245 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0246 12" Width *(10 71 13 13-0245)*

10 71 13 13-0247	PR	12" x 35" Pine Louvered Shutter	391.36	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 39" Pine Louvered Shutter	408.39	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 43" Pine Louvered Shutter	425.21	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 47" Pine Louvered Shutter	442.12	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 51" Pine Louvered Shutter	458.94	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 55" Pine Louvered Shutter	475.85	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 59" Pine Louvered Shutter	492.80	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 63" Pine Louvered Shutter	509.81	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 67" Pine Louvered Shutter	526.72	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0256	PR	12" x 71" Pine Louvered Shutter	543.68	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0257	PR	12" x 75" Pine Louvered Shutter	560.57	64.84
		For Arched Tops, Add	*65.00*	

10 71 13 13-0258 14" Width *(10 71 13 13-0245)*

10 71 13 13-0259	PR	14" x 35" Pine Louvered Shutter	431.67	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0260	PR	14" x 39" Pine Louvered Shutter	450.54	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 43" Pine Louvered Shutter	469.08	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 47" Pine Louvered Shutter	487.83	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 51" Pine Louvered Shutter	506.41	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 55" Pine Louvered Shutter	524.98	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 59" Pine Louvered Shutter	543.68	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 63" Pine Louvered Shutter	562.39	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 67" Pine Louvered Shutter	580.98	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0268	PR	14" x 71" Pine Louvered Shutter	599.66	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0269	PR	14" x 75" Pine Louvered Shutter	618.40	64.84
		For Arched Tops, Add	*65.00*	

10 71 13 13-0270 15" Width *(10 71 13 13-0245)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0271	PR	15" x 35" Pine Louvered Shutter	451.36	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 39" Pine Louvered Shutter	470.90	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 43" Pine Louvered Shutter	490.49	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 47" Pine Louvered Shutter	509.96	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 51" Pine Louvered Shutter	529.51	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 55" Pine Louvered Shutter	549.05	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 59" Pine Louvered Shutter	568.62	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 63" Pine Louvered Shutter	588.11	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 67" Pine Louvered Shutter	607.60	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 71" Pine Louvered Shutter	627.11	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0281	PR	15" x 75" Pine Louvered Shutter	646.67	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0282	PR	15" x 81" Pine Louvered Shutter	674.52	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283		**16" Width** *(10 71 13 13-0245)*		
10 71 13 13-0284	PR	16" x 35" Pine Louvered Shutter	470.11	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 39" Pine Louvered Shutter	491.26	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0286	PR	16" x 43" Pine Louvered Shutter	512.58	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 47" Pine Louvered Shutter	533.84	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 51" Pine Louvered Shutter	555.12	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 55" Pine Louvered Shutter	576.39	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 59" Pine Louvered Shutter	597.53	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 63" Pine Louvered Shutter	618.86	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 67" Pine Louvered Shutter	640.11	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 71" Pine Louvered Shutter	661.42	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294	PR	16" x 75" Pine Louvered Shutter	682.67	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0295	PR	16" x 81" Pine Louvered Shutter	703.81	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296		**18" Width** *(10 71 13 13-0245)*		
10 71 13 13-0297	PR	18" x 35" Pine Louvered Shutter	511.35	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 39" Pine Louvered Shutter	538.69	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 47" Pine Louvered Shutter	585.74	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0300	PR	18" x 55" Pine Louvered Shutter	632.90	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 63" Pine Louvered Shutter	680.02	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0302	PR	18" x 75" Pine Louvered Shutter	781.74	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0303	PR	18" x 81" Pine Louvered Shutter	810.49	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0304		**Exterior Cedar Board N' Batten Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0305		**8" Through 14" Width** *(10 71 13 13-0304)*		
10 71 13 13-0306	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	770.62	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,010.68	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,012.12	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,253.63	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,256.51	47.55
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0311	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,259.40	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,500.89	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,503.78	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,506.66	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,748.16	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,751.04	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,992.55	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,995.43	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0319	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,998.31	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0320	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,001.19	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0321 15" Through 16" Width *(10 71 13 13-0304)*

10 71 13 13-0322	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	1,009.24	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,010.68	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,250.75	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,253.64	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0326	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,495.13	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,498.02	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,500.89	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,742.40	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,745.28	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,986.78	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,989.66	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,231.19	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,234.06	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0335	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,475.56	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0336	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,478.43	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0337 17" Through 18" Width *(10 71 13 13-0304)*

10 71 13 13-0338	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,009.24	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.31	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0340	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,250.75	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,492.26	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,495.13	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,736.64	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,739.51	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,981.02	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,983.90	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,225.41	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,228.29	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,469.81	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,472.68	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0351	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,714.18	67.00
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0352	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,717.05	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0353 19" Through 20" Width *(10 71 13 13-0304)*

10 71 13 13-0354	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.87	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.31	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.37	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,492.26	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,733.75	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,736.64	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,978.13	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.65	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,222.53	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,464.03	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,466.91	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,708.43	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,711.30	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0367	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,952.81	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0368	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,955.68	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0369 21" Through 22" Width *(10 71 13 13-0304)*

10 71 13 13-0370	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.87	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.31	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.37	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,730.88	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,733.75	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,975.26	49.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,978.13	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.65	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,461.15	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,464.03	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,705.53	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0381	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,708.43	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,949.93	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0383	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,952.81	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0384	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,955.68	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0385 22" Through 24" Width *(10 71 13 13-0304)*

10 71 13 13-0386	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.87	41.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,487.93	42.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.37	43.22
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,730.88	45.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,972.37	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,975.26	49.71
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0392	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,216.76	51.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.65	54.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,461.15	56.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,702.65	58.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,705.53	60.51
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,947.06	62.67
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,949.93	64.84
		For Arched Tops, Add	*65.00*	
10 71 13 13-0399	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,191.43	67.00
		For Arched Tops, Add	*65.00*	
10 71 13 13-0400	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,194.30	69.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0401 Accessories *(10 71 13 13)*

10 71 13 13-0402	PR	Surface Mounted Pintel, Stainless Steel	77.25	
10 71 13 13-0403	PR	Lag Pintel, Stainless Steel	77.25	
10 71 13 13-0404	PR	10" Strap Hinge, Stainless Steel	114.67	
10 71 13 13-0405	PR	6" L-Hinge, Stainless Steel	106.39	
10 71 13 13-0406	PR	Hinge Set, Galvanized And Painted	96.90	
10 71 13 13-0407	PR	Acorn Holdback	87.85	
10 71 13 13-0408	PR	'S' Holdback, Stainless Steel	74.46	
10 71 13 13-0409	PR	'S' Holdback, Galvanized And Painted	70.32	

10 71 16 Storm Panels *(10 71)*

10 71 16 13 Demountable Storm Panels *(10 71 16)*

10 71 16 13-0001 Hurricane Panels *(10 71 16 13)*

10 71 16 13-0002 Aluminum *(10 71 16 13-0001)*

10 71 16 13-0003	SF	0.040" Aluminum Hurricane Panels	23.16	6.48
10 71 16 13-0004	SF	0.050" Aluminum Hurricane Panels (Miami-Dade Approved)	24.36	6.48
10 71 16 13-0005	SF	0.063" Aluminum Hurricane Panels (Miami-Dade Approved)	26.65	6.48

10 71 16 13-0006 Steel *(10 71 16 13-0001)*

10 71 16 13-0007	SF	22 Gauge Galvanized Steel Hurricane Panels	21.92	6.48
10 71 16 13-0008	SF	20 Gauge Galvanized Steel Hurricane Panels	22.77	6.48

10 71 16 13-0009 Fiberglass *(10 71 16 13-0001)*

10 71 16 13-0010	SF	Fiberglass Hurricane Panels	22.61	6.48

10 71 16 13-0011 Bahama Shutters *(10 71 16 13)*

10 71 16 13-0012 Up To 36" Wide *(10 71 16 13-0011)*

10 71 16 13-0013	EA	9" Wide x 24" High, Architectural Aluminum Bahama Shutter	443.25	9.91
		For Impact Bahama Shutters, Add	*171.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-9.31*	
		For >25 To 50, Deduct	*-18.25*	
		For >50, Deduct	*-27.19*	
10 71 16 13-0014	EA	9" Wide x 30" High, Architectural Aluminum Bahama Shutter	472.12	12.39
		For Impact Bahama Shutters, Add	*181.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-10.00*	
		For >25 To 50, Deduct	*-19.53*	
		For >50, Deduct	*-29.07*	
10 71 16 13-0015	EA	9" Wide x 36" High, Architectural Aluminum Bahama Shutter	500.99	14.87
		For Impact Bahama Shutters, Add	*191.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-10.69*	
		For >25 To 50, Deduct	*-20.82*	
		For >50, Deduct	*-30.95*	
10 71 16 13-0016	EA	9" Wide x 42" High, Architectural Aluminum Bahama Shutter	527.61	15.87
		For Impact Bahama Shutters, Add	*201.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-11.27*	
		For >25 To 50, Deduct	*-21.94*	
		For >50, Deduct	*-32.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0017	EA	9" Wide x 48" High, Architectural Aluminum Bahama Shutter	556.16	18.12
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-11.94*	
		For >25 To 50, Deduct	*-23.20*	
		For >50, Deduct	*-34.46*	
10 71 16 13-0018	EA	9" Wide x 54" High, Architectural Aluminum Bahama Shutter	584.70	20.39
		For Impact Bahama Shutters, Add	*221.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-12.61*	
		For >25 To 50, Deduct	*-24.46*	
		For >50, Deduct	*-36.30*	
10 71 16 13-0019	EA	9" Wide x 60" High, Architectural Aluminum Bahama Shutter	613.24	22.65
		For Impact Bahama Shutters, Add	*231.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-13.28*	
		For >25 To 50, Deduct	*-25.72*	
		For >50, Deduct	*-38.15*	
10 71 16 13-0020	EA	9" Wide x 66" High, Architectural Aluminum Bahama Shutter	639.92	23.67
		For Impact Bahama Shutters, Add	*241.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-13.86*	
		For >25 To 50, Deduct	*-26.84*	
		For >50, Deduct	*-39.82*	
10 71 16 13-0021	EA	9" Wide x 72" High, Architectural Aluminum Bahama Shutter	668.28	25.83
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-14.53*	
		For >25 To 50, Deduct	*-28.09*	
		For >50, Deduct	*-41.65*	
10 71 16 13-0022	EA	9" Wide x 78" High, Architectural Aluminum Bahama Shutter	694.56	26.58
		For Impact Bahama Shutters, Add	*261.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-15.09*	
		For >25 To 50, Deduct	*-29.18*	
		For >50, Deduct	*-43.27*	
10 71 16 13-0023	EA	9" Wide x 84" High, Architectural Aluminum Bahama Shutter	722.79	28.62
		For Impact Bahama Shutters, Add	*271.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-15.74*	
		For >25 To 50, Deduct	*-30.41*	
		For >50, Deduct	*-45.08*	
10 71 16 13-0024	EA	9" Wide x 90" High, Architectural Aluminum Bahama Shutter	748.70	29.13
		For Impact Bahama Shutters, Add	*282.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-16.28*	
		For >25 To 50, Deduct	*-31.48*	
		For >50, Deduct	*-46.67*	
10 71 16 13-0025	EA	12" Wide x 24" High, Architectural Aluminum Bahama Shutter	481.74	13.22
		For Impact Bahama Shutters, Add	*184.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-10.23*	
		For >25 To 50, Deduct	*-19.96*	
		For >50, Deduct	*-29.70*	
10 71 16 13-0026	EA	12" Wide x 30" High, Architectural Aluminum Bahama Shutter	520.22	16.53
		For Impact Bahama Shutters, Add	*198.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-11.15*	
		For >25 To 50, Deduct	*-21.68*	
		For >50, Deduct	*-32.20*	
10 71 16 13-0027	EA	12" Wide x 36" High, Architectural Aluminum Bahama Shutter	558.71	19.83
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-12.07*	
		For >25 To 50, Deduct	*-23.39*	
		For >50, Deduct	*-34.71*	
10 71 16 13-0028	EA	12" Wide x 42" High, Architectural Aluminum Bahama Shutter	594.21	21.15
		For Impact Bahama Shutters, Add	*225.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-12.84*	
		For >25 To 50, Deduct	*-24.88*	
		For >50, Deduct	*-36.92*	
10 71 16 13-0029	EA	12" Wide x 48" High, Architectural Aluminum Bahama Shutter	632.27	24.17
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-13.73*	
		For >25 To 50, Deduct	*-26.56*	
		For >50, Deduct	*-39.39*	
10 71 16 13-0030	EA	12" Wide x 54" High, Architectural Aluminum Bahama Shutter	670.33	27.19
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-14.63*	
		For >25 To 50, Deduct	*-28.24*	
		For >50, Deduct	*-41.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0031	EA	12" Wide x 60" High, Architectural Aluminum Bahama Shutter	708.38	30.21
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-15.53*	
		For >25 To 50, Deduct	*-29.92*	
		For >50, Deduct	*-44.31*	
10 71 16 13-0032	EA	12" Wide x 66" High, Architectural Aluminum Bahama Shutter	743.95	31.57
		For Impact Bahama Shutters, Add	*278.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-16.30*	
		For >25 To 50, Deduct	*-31.41*	
		For >50, Deduct	*-46.53*	
10 71 16 13-0033	EA	12" Wide x 72" High, Architectural Aluminum Bahama Shutter	781.77	34.43
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-17.18*	
		For >25 To 50, Deduct	*-33.08*	
		For >50, Deduct	*-48.97*	
10 71 16 13-0034	EA	12" Wide x 78" High, Architectural Aluminum Bahama Shutter	816.81	35.44
		For Impact Bahama Shutters, Add	*305.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-17.93*	
		For >25 To 50, Deduct	*-34.53*	
		For >50, Deduct	*-51.13*	
10 71 16 13-0035	EA	12" Wide x 84" High, Architectural Aluminum Bahama Shutter	854.43	38.16
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-18.81*	
		For >25 To 50, Deduct	*-36.18*	
		For >50, Deduct	*-53.55*	
10 71 16 13-0036	EA	12" Wide x 90" High, Architectural Aluminum Bahama Shutter	888.96	38.84
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.42*	
		For >10 To 25, Deduct	*-19.53*	
		For >25 To 50, Deduct	*-37.60*	
		For >50, Deduct	*-55.67*	
10 71 16 13-0037	EA	16" Wide x 24" High, Architectural Aluminum Bahama Shutter	533.05	17.62
		For Impact Bahama Shutters, Add	*202.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-11.45*	
		For >25 To 50, Deduct	*-22.25*	
		For >50, Deduct	*-33.04*	
10 71 16 13-0038	EA	16" Wide x 30" High, Architectural Aluminum Bahama Shutter	584.35	22.01
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-12.68*	
		For >25 To 50, Deduct	*-24.53*	
		For >50, Deduct	*-36.38*	
10 71 16 13-0039	EA	16" Wide x 36" High, Architectural Aluminum Bahama Shutter	635.67	26.42
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-13.90*	
		For >25 To 50, Deduct	*-26.81*	
		For >50, Deduct	*-39.73*	
10 71 16 13-0040	EA	16" Wide x 42" High, Architectural Aluminum Bahama Shutter	683.00	28.18
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-14.93*	
		For >25 To 50, Deduct	*-28.80*	
		For >50, Deduct	*-42.67*	
10 71 16 13-0041	EA	16" Wide x 48" High, Architectural Aluminum Bahama Shutter	733.75	32.22
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-16.12*	
		For >25 To 50, Deduct	*-31.04*	
		For >50, Deduct	*-45.96*	
10 71 16 13-0042	EA	16" Wide x 54" High, Architectural Aluminum Bahama Shutter	784.48	36.23
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-33.28*	
		For >50, Deduct	*-49.24*	
10 71 16 13-0043	EA	16" Wide x 60" High, Architectural Aluminum Bahama Shutter	835.22	40.28
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-18.52*	
		For >25 To 50, Deduct	*-35.52*	
		For >50, Deduct	*-52.53*	
10 71 16 13-0044	EA	16" Wide x 66" High, Architectural Aluminum Bahama Shutter	882.64	42.07
		For Impact Bahama Shutters, Add	*327.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-19.55*	
		For >25 To 50, Deduct	*-37.51*	
		For >50, Deduct	*-55.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0045	EA	16" Wide x 72" High, Architectural Aluminum Bahama Shutter	933.09	45.90
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-20.73*	
		For >25 To 50, Deduct	*-39.73*	
		For >50, Deduct	*-58.74*	
10 71 16 13-0046	EA	16" Wide x 78" High, Architectural Aluminum Bahama Shutter	979.79	47.24
		For Impact Bahama Shutters, Add	*363.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-21.72*	
		For >25 To 50, Deduct	*-41.67*	
		For >50, Deduct	*-61.62*	
10 71 16 13-0047	EA	16" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,029.94	50.87
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-22.89*	
		For >25 To 50, Deduct	*-43.87*	
		For >50, Deduct	*-64.85*	
10 71 16 13-0048	EA	16" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,260.40	51.78
		For Impact Bahama Shutters, Add	*473.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-27.54*	
		For >25 To 50, Deduct	*-53.13*	
		For >50, Deduct	*-78.73*	
10 71 16 13-0049	EA	20" Wide x 24" High, Architectural Aluminum Bahama Shutter	584.35	22.01
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-12.68*	
		For >25 To 50, Deduct	*-24.53*	
		For >50, Deduct	*-36.38*	
10 71 16 13-0050	EA	20" Wide x 30" High, Architectural Aluminum Bahama Shutter	648.48	27.52
		For Impact Bahama Shutters, Add	*242.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-14.21*	
		For >25 To 50, Deduct	*-27.38*	
		For >50, Deduct	*-40.56*	
10 71 16 13-0051	EA	20" Wide x 36" High, Architectural Aluminum Bahama Shutter	712.62	33.02
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-15.74*	
		For >25 To 50, Deduct	*-30.24*	
		For >50, Deduct	*-44.74*	
10 71 16 13-0052	EA	20" Wide x 42" High, Architectural Aluminum Bahama Shutter	771.80	35.23
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-17.02*	
		For >25 To 50, Deduct	*-32.72*	
		For >50, Deduct	*-48.42*	
10 71 16 13-0053	EA	20" Wide x 48" High, Architectural Aluminum Bahama Shutter	835.21	40.25
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-18.52*	
		For >25 To 50, Deduct	*-35.52*	
		For >50, Deduct	*-52.53*	
10 71 16 13-0054	EA	20" Wide x 54" High, Architectural Aluminum Bahama Shutter	898.63	45.30
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-20.01*	
		For >25 To 50, Deduct	*-38.32*	
		For >50, Deduct	*-56.63*	
10 71 16 13-0055	EA	20" Wide x 60" High, Architectural Aluminum Bahama Shutter	962.06	50.33
		For Impact Bahama Shutters, Add	*354.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-21.50*	
		For >25 To 50, Deduct	*-41.12*	
		For >50, Deduct	*-60.74*	
10 71 16 13-0056	EA	20" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,021.33	52.59
		For Impact Bahama Shutters, Add	*377.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-22.79*	
		For >25 To 50, Deduct	*-43.61*	
		For >50, Deduct	*-64.43*	
10 71 16 13-0057	EA	20" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,084.39	57.37
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-24.27*	
		For >25 To 50, Deduct	*-46.39*	
		For >50, Deduct	*-68.50*	
10 71 16 13-0058	EA	20" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,142.77	59.05
		For Impact Bahama Shutters, Add	*421.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-25.51*	
		For >25 To 50, Deduct	*-48.81*	
		For >50, Deduct	*-72.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0059	EA	20" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,205.45	63.59
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-26.97*	
		For >25 To 50, Deduct	*-51.55*	
		For >50, Deduct	*-76.14*	
10 71 16 13-0060	EA	20" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,263.05	64.72
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-28.17*	
		For >25 To 50, Deduct	*-53.92*	
		For >50, Deduct	*-79.66*	
10 71 16 13-0061	EA	24" Wide x 24" High, Architectural Aluminum Bahama Shutter	635.67	26.42
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-13.90*	
		For >25 To 50, Deduct	*-26.81*	
		For >50, Deduct	*-39.73*	
10 71 16 13-0062	EA	24" Wide x 30" High, Architectural Aluminum Bahama Shutter	712.64	33.03
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-15.74*	
		For >25 To 50, Deduct	*-30.24*	
		For >50, Deduct	*-44.74*	
10 71 16 13-0063	EA	24" Wide x 36" High, Architectural Aluminum Bahama Shutter	789.58	39.66
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-17.57*	
		For >25 To 50, Deduct	*-33.66*	
		For >50, Deduct	*-49.75*	
10 71 16 13-0064	EA	24" Wide x 42" High, Architectural Aluminum Bahama Shutter	860.62	42.29
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-19.11*	
		For >25 To 50, Deduct	*-36.64*	
		For >50, Deduct	*-54.17*	
10 71 16 13-0065	EA	24" Wide x 48" High, Architectural Aluminum Bahama Shutter	936.71	48.32
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-20.91*	
		For >25 To 50, Deduct	*-40.00*	
		For >50, Deduct	*-59.10*	
10 71 16 13-0066	EA	24" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,012.84	54.37
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-22.70*	
		For >25 To 50, Deduct	*-43.37*	
		For >50, Deduct	*-64.03*	
10 71 16 13-0067	EA	24" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,088.94	60.41
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-24.50*	
		For >25 To 50, Deduct	*-46.73*	
		For >50, Deduct	*-68.96*	
10 71 16 13-0068	EA	24" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,160.07	63.14
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-26.04*	
		For >25 To 50, Deduct	*-49.72*	
		For >50, Deduct	*-73.39*	
10 71 16 13-0069	EA	24" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,235.74	68.87
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-27.81*	
		For >25 To 50, Deduct	*-53.04*	
		For >50, Deduct	*-78.27*	
10 71 16 13-0070	EA	24" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,305.80	70.89
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-29.30*	
		For >25 To 50, Deduct	*-55.95*	
		For >50, Deduct	*-82.60*	
10 71 16 13-0071	EA	24" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,381.04	76.33
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-31.05*	
		For >25 To 50, Deduct	*-59.25*	
		For >50, Deduct	*-87.44*	
10 71 16 13-0072	EA	24" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,450.13	77.71
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*276.19*	
		For >10 To 25, Deduct	*-32.50*	
		For >25 To 50, Deduct	*-62.08*	
		For >50, Deduct	*-91.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0073	EA	28" Wide x 24" High, Architectural Aluminum Bahama Shutter	680.37	26.42
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-14.80*	
		For >25 To 50, Deduct	*-28.60*	
		For >50, Deduct	*-42.41*	
10 71 16 13-0074	EA	28" Wide x 30" High, Architectural Aluminum Bahama Shutter	776.76	38.54
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-17.27*	
		For >25 To 50, Deduct	*-33.09*	
		For >50, Deduct	*-48.92*	
10 71 16 13-0075	EA	28" Wide x 36" High, Architectural Aluminum Bahama Shutter	866.54	46.25
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-19.41*	
		For >25 To 50, Deduct	*-37.09*	
		For >50, Deduct	*-54.77*	
10 71 16 13-0076	EA	28" Wide x 42" High, Architectural Aluminum Bahama Shutter	949.40	49.34
		For Impact Bahama Shutters, Add	*350.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-21.21*	
		For >25 To 50, Deduct	*-40.56*	
		For >50, Deduct	*-59.92*	
10 71 16 13-0077	EA	28" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,038.20	56.38
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-23.30*	
		For >25 To 50, Deduct	*-44.49*	
		For >50, Deduct	*-65.67*	
10 71 16 13-0078	EA	28" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,127.00	63.42
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-25.39*	
		For >25 To 50, Deduct	*-48.41*	
		For >50, Deduct	*-71.42*	
10 71 16 13-0079	EA	28" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,215.78	70.47
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-27.49*	
		For >25 To 50, Deduct	*-52.33*	
		For >50, Deduct	*-77.17*	
10 71 16 13-0080	EA	28" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,298.76	73.64
		For Impact Bahama Shutters, Add	*475.34*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-29.29*	
		For >25 To 50, Deduct	*-55.81*	
		For >50, Deduct	*-82.34*	
10 71 16 13-0081	EA	28" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,387.04	80.34
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-31.35*	
		For >25 To 50, Deduct	*-59.70*	
		For >50, Deduct	*-88.04*	
10 71 16 13-0082	EA	28" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,468.78	82.68
		For Impact Bahama Shutters, Add	*537.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-33.09*	
		For >25 To 50, Deduct	*-63.09*	
		For >50, Deduct	*-93.09*	
10 71 16 13-0083	EA	28" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,556.54	89.04
		For Impact Bahama Shutters, Add	*569.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-35.14*	
		For >25 To 50, Deduct	*-66.93*	
		For >50, Deduct	*-98.73*	
10 71 16 13-0084	EA	28" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,637.16	90.63
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-36.82*	
		For >25 To 50, Deduct	*-70.24*	
		For >50, Deduct	*-103.66*	
10 71 16 13-0085	EA	32" Wide x 24" High, Architectural Aluminum Bahama Shutter	738.28	35.24
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-16.35*	
		For >25 To 50, Deduct	*-31.38*	
		For >50, Deduct	*-46.41*	
10 71 16 13-0086	EA	32" Wide x 30" High, Architectural Aluminum Bahama Shutter	840.90	44.04
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-18.80*	
		For >25 To 50, Deduct	*-35.95*	
		For >50, Deduct	*-53.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0087	EA	32" Wide x 36" High, Architectural Aluminum Bahama Shutter	943.52	52.86
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-21.25*	
		For >25 To 50, Deduct	*-40.51*	
		For >50, Deduct	*-59.78*	
10 71 16 13-0088	EA	32" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,038.20	56.38
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-23.30*	
		For >25 To 50, Deduct	*-44.49*	
		For >50, Deduct	*-65.67*	
10 71 16 13-0089	EA	32" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,139.68	64.43
		For Impact Bahama Shutters, Add	*417.23*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-25.69*	
		For >25 To 50, Deduct	*-48.97*	
		For >50, Deduct	*-72.25*	
10 71 16 13-0090	EA	32" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,241.18	72.51
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-28.08*	
		For >25 To 50, Deduct	*-53.45*	
		For >50, Deduct	*-78.82*	
10 71 16 13-0091	EA	32" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,342.65	80.55
		For Impact Bahama Shutters, Add	*488.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-30.48*	
		For >25 To 50, Deduct	*-57.93*	
		For >50, Deduct	*-85.39*	
10 71 16 13-0092	EA	32" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,437.49	84.17
		For Impact Bahama Shutters, Add	*524.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-32.54*	
		For >25 To 50, Deduct	*-61.92*	
		For >50, Deduct	*-91.30*	
10 71 16 13-0093	EA	32" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,538.37	91.83
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-34.90*	
		For >25 To 50, Deduct	*-66.35*	
		For >50, Deduct	*-97.81*	
10 71 16 13-0094	EA	32" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,631.79	94.50
		For Impact Bahama Shutters, Add	*596.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-36.89*	
		For >25 To 50, Deduct	*-70.23*	
		For >50, Deduct	*-103.58*	
10 71 16 13-0095	EA	32" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,732.09	101.78
		For Impact Bahama Shutters, Add	*631.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-39.22*	
		For >25 To 50, Deduct	*-74.62*	
		For >50, Deduct	*-110.03*	
10 71 16 13-0096	EA	32" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,824.22	103.59
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-41.14*	
		For >25 To 50, Deduct	*-78.40*	
		For >50, Deduct	*-115.67*	
10 71 16 13-0097	EA	36" Wide x 24" High, Architectural Aluminum Bahama Shutter	789.58	39.66
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-17.57*	
		For >25 To 50, Deduct	*-33.66*	
		For >50, Deduct	*-49.75*	
10 71 16 13-0098	EA	36" Wide x 30" High, Architectural Aluminum Bahama Shutter	905.03	49.56
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-20.33*	
		For >25 To 50, Deduct	*-38.80*	
		For >50, Deduct	*-57.27*	
10 71 16 13-0099	EA	36" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,020.47	59.47
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-23.08*	
		For >25 To 50, Deduct	*-43.94*	
		For >50, Deduct	*-64.79*	
10 71 16 13-0100	EA	36" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,127.01	63.43
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-25.39*	
		For >25 To 50, Deduct	*-48.41*	
		For >50, Deduct	*-71.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0101	EA	36" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,241.18	72.51
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-28.08*	
		For >25 To 50, Deduct	*-53.45*	
		For >50, Deduct	*-78.82*	
10 71 16 13-0102	EA	36" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,355.34	81.57
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-30.78*	
		For >25 To 50, Deduct	*-58.49*	
		For >50, Deduct	*-86.21*	
10 71 16 13-0103	EA	36" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,469.51	90.63
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-33.47*	
		For >25 To 50, Deduct	*-63.54*	
		For >50, Deduct	*-93.61*	
10 71 16 13-0104	EA	36" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,576.20	94.70
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-35.78*	
		For >25 To 50, Deduct	*-68.02*	
		For >50, Deduct	*-100.25*	
10 71 16 13-0105	EA	36" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,689.69	103.30
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-38.44*	
		For >25 To 50, Deduct	*-73.01*	
		For >50, Deduct	*-107.58*	
10 71 16 13-0106	EA	36" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,794.78	106.32
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-40.68*	
		For >25 To 50, Deduct	*-77.37*	
		For >50, Deduct	*-114.06*	
10 71 16 13-0107	EA	36" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,907.62	114.50
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-43.30*	
		For >25 To 50, Deduct	*-82.31*	
		For >50, Deduct	*-121.32*	
10 71 16 13-0108	EA	36" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,011.27	116.55
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.96*	
		For >10 To 25, Deduct	*-45.47*	
		For >25 To 50, Deduct	*-86.57*	
		For >50, Deduct	*-127.67*	
10 71 16 13-0109		>36" To 60" Wide *(10 71 16 13-0011)*		
10 71 16 13-0110	EA	42" Wide x 24" High, Architectural Aluminum Bahama Shutter	861.01	42.55
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-19.13*	
		For >25 To 50, Deduct	*-36.67*	
		For >50, Deduct	*-54.21*	
10 71 16 13-0111	EA	42" Wide x 30" High, Architectural Aluminum Bahama Shutter	994.30	53.20
		For Impact Bahama Shutters, Add	*365.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-22.28*	
		For >25 To 50, Deduct	*-42.56*	
		For >50, Deduct	*-62.85*	
10 71 16 13-0112	EA	42" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,127.60	63.83
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-25.42*	
		For >25 To 50, Deduct	*-48.45*	
		For >50, Deduct	*-71.48*	
10 71 16 13-0113	EA	42" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,251.32	68.09
		For Impact Bahama Shutters, Add	*459.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-28.09*	
		For >25 To 50, Deduct	*-53.63*	
		For >50, Deduct	*-79.16*	
10 71 16 13-0114	EA	42" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,383.25	77.82
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-31.16*	
		For >25 To 50, Deduct	*-59.41*	
		For >50, Deduct	*-87.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0115	EA	42" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,515.17	87.54
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-34.24*	
		For >25 To 50, Deduct	*-65.20*	
		For >50, Deduct	*-96.16*	
10 71 16 13-0116	EA	42" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,647.10	97.27
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-37.32*	
		For >25 To 50, Deduct	*-70.99*	
		For >50, Deduct	*-104.66*	
10 71 16 13-0117	EA	42" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,771.03	101.65
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-39.99*	
		For >25 To 50, Deduct	*-76.18*	
		For >50, Deduct	*-112.36*	
10 71 16 13-0118	EA	42" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,902.21	110.88
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-43.03*	
		For >25 To 50, Deduct	*-81.91*	
		For >50, Deduct	*-120.78*	
10 71 16 13-0119	EA	42" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,024.42	114.11
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-45.62*	
		For >25 To 50, Deduct	*-86.97*	
		For >50, Deduct	*-128.31*	
10 71 16 13-0120	EA	42" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,154.91	122.90
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-48.63*	
		For >25 To 50, Deduct	*-92.65*	
		For >50, Deduct	*-136.66*	
10 71 16 13-0121	EA	42" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,275.54	125.09
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-51.14*	
		For >25 To 50, Deduct	*-97.59*	
		For >50, Deduct	*-144.03*	
10 71 16 13-0122	EA	48" Wide x 24" High, Architectural Aluminum Bahama Shutter	937.18	48.62
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-20.93*	
		For >25 To 50, Deduct	*-40.04*	
		For >50, Deduct	*-59.15*	
10 71 16 13-0123	EA	48" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,089.51	60.78
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-24.52*	
		For >25 To 50, Deduct	*-46.77*	
		For >50, Deduct	*-69.02*	
10 71 16 13-0124	EA	48" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,241.85	72.95
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-28.12*	
		For >25 To 50, Deduct	*-53.50*	
		For >50, Deduct	*-78.89*	
10 71 16 13-0125	EA	48" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,383.25	77.82
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-31.16*	
		For >25 To 50, Deduct	*-59.41*	
		For >50, Deduct	*-87.66*	
10 71 16 13-0126	EA	48" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,534.03	88.93
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-34.68*	
		For >25 To 50, Deduct	*-66.03*	
		For >50, Deduct	*-97.38*	
10 71 16 13-0127	EA	48" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,684.80	100.05
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-38.20*	
		For >25 To 50, Deduct	*-72.64*	
		For >50, Deduct	*-107.09*	
10 71 16 13-0128	EA	48" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,835.58	111.16
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-41.71*	
		For >25 To 50, Deduct	*-79.26*	
		For >50, Deduct	*-116.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0129	EA	48" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,977.19	116.15
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-44.77*	
		For >25 To 50, Deduct	*-85.18*	
		For >50, Deduct	*-125.60*	
10 71 16 13-0130	EA	48" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,127.12	126.72
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-48.24*	
		For >25 To 50, Deduct	*-91.73*	
		For >50, Deduct	*-135.23*	
10 71 16 13-0131	EA	48" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,266.78	130.42
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-51.20*	
		For >25 To 50, Deduct	*-97.52*	
		For >50, Deduct	*-143.83*	
10 71 16 13-0132	EA	48" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,415.92	140.45
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-54.64*	
		For >25 To 50, Deduct	*-104.01*	
		For >50, Deduct	*-153.38*	
10 71 16 13-0133	EA	48" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,553.80	142.96
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.47*	
		For >10 To 25, Deduct	*-57.51*	
		For >25 To 50, Deduct	*-109.65*	
		For >50, Deduct	*-161.80*	
10 71 16 13-0134	EA	54" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,013.34	54.71
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-22.73*	
		For >25 To 50, Deduct	*-43.40*	
		For >50, Deduct	*-64.08*	
10 71 16 13-0135	EA	54" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,184.72	68.39
		For Impact Bahama Shutters, Add	*432.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-26.77*	
		For >25 To 50, Deduct	*-50.98*	
		For >50, Deduct	*-75.18*	
10 71 16 13-0136	EA	54" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,356.10	82.06
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-30.81*	
		For >25 To 50, Deduct	*-58.55*	
		For >50, Deduct	*-86.29*	
10 71 16 13-0137	EA	54" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,515.17	87.54
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-34.24*	
		For >25 To 50, Deduct	*-65.20*	
		For >50, Deduct	*-96.16*	
10 71 16 13-0138	EA	54" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,684.80	100.05
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-38.20*	
		For >25 To 50, Deduct	*-72.64*	
		For >50, Deduct	*-107.09*	
10 71 16 13-0139	EA	54" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,854.43	112.56
		For Impact Bahama Shutters, Add	*674.27*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-42.15*	
		For >25 To 50, Deduct	*-80.08*	
		For >50, Deduct	*-118.02*	
10 71 16 13-0140	EA	54" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,024.04	125.06
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-46.11*	
		For >25 To 50, Deduct	*-87.52*	
		For >50, Deduct	*-128.94*	
10 71 16 13-0141	EA	54" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,183.36	130.68
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-49.55*	
		For >25 To 50, Deduct	*-94.19*	
		For >50, Deduct	*-138.84*	
10 71 16 13-0142	EA	54" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,352.04	142.56
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-53.45*	
		For >25 To 50, Deduct	*-101.56*	
		For >50, Deduct	*-149.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0143	EA	54" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,509.13	146.72
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-56.78*	
		For >25 To 50, Deduct	*-108.06*	
		For >50, Deduct	*-159.35*	
10 71 16 13-0144	EA	54" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,676.95	158.01
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-60.65*	
		For >25 To 50, Deduct	*-115.37*	
		For >50, Deduct	*-170.09*	
10 71 16 13-0145	EA	54" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,832.03	160.84
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-63.87*	
		For >25 To 50, Deduct	*-121.72*	
		For >50, Deduct	*-179.57*	
10 71 16 13-0146	EA	54" Wide x 96" High, Architectural Aluminum Bahama Shutter	2,988.70	164.69
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-67.18*	
		For >25 To 50, Deduct	*-128.19*	
		For >50, Deduct	*-189.20*	
10 71 16 13-0147	EA	54" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,144.51	167.98
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-70.45*	
		For >25 To 50, Deduct	*-134.60*	
		For >50, Deduct	*-198.74*	
10 71 16 13-0148	EA	54" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,299.54	170.75
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-73.67*	
		For >25 To 50, Deduct	*-140.94*	
		For >50, Deduct	*-208.21*	
10 71 16 13-0149	EA	54" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,453.83	173.03
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-76.86*	
		For >25 To 50, Deduct	*-147.23*	
		For >50, Deduct	*-217.61*	
10 71 16 13-0150	EA	54" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,607.42	174.85
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-80.01*	
		For >25 To 50, Deduct	*-153.47*	
		For >50, Deduct	*-226.93*	
10 71 16 13-0151	EA	60" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,089.51	60.78
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-24.52*	
		For >25 To 50, Deduct	*-46.77*	
		For >50, Deduct	*-69.02*	
10 71 16 13-0152	EA	60" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,279.94	75.99
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-29.02*	
		For >25 To 50, Deduct	*-55.19*	
		For >50, Deduct	*-81.35*	
10 71 16 13-0153	EA	60" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,470.35	91.19
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-33.51*	
		For >25 To 50, Deduct	*-63.60*	
		For >50, Deduct	*-93.69*	
10 71 16 13-0154	EA	60" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,647.10	97.27
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-37.32*	
		For >25 To 50, Deduct	*-70.99*	
		For >50, Deduct	*-104.66*	
10 71 16 13-0155	EA	60" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,835.58	111.16
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-41.71*	
		For >25 To 50, Deduct	*-79.26*	
		For >50, Deduct	*-116.80*	
10 71 16 13-0156	EA	60" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,024.04	125.06
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-46.11*	
		For >25 To 50, Deduct	*-87.52*	
		For >50, Deduct	*-128.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0157	EA	60" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,212.51	138.95
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-50.50*	
		For >25 To 50, Deduct	*-95.79*	
		For >50, Deduct	*-141.08*	
10 71 16 13-0158	EA	60" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,389.52	145.20
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-54.32*	
		For >25 To 50, Deduct	*-103.20*	
		For >50, Deduct	*-152.08*	
10 71 16 13-0159	EA	60" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,576.95	158.40
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-58.66*	
		For >25 To 50, Deduct	*-111.39*	
		For >50, Deduct	*-164.12*	
10 71 16 13-0160	EA	60" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,751.51	163.03
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-62.36*	
		For >25 To 50, Deduct	*-118.61*	
		For >50, Deduct	*-174.87*	
10 71 16 13-0161	EA	60" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,937.96	175.57
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-66.66*	
		For >25 To 50, Deduct	*-126.73*	
		For >50, Deduct	*-186.81*	
10 71 16 13-0162	EA	60" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,110.29	178.70
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-70.24*	
		For >25 To 50, Deduct	*-133.79*	
		For >50, Deduct	*-197.33*	
10 71 16 13-0163	EA	60" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,284.35	182.99
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-73.92*	
		For >25 To 50, Deduct	*-140.98*	
		For >50, Deduct	*-208.03*	
10 71 16 13-0164	EA	60" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,457.48	186.66
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-77.54*	
		For >25 To 50, Deduct	*-148.09*	
		For >50, Deduct	*-218.64*	
10 71 16 13-0165	EA	60" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,629.73	189.73
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-81.13*	
		For >25 To 50, Deduct	*-155.14*	
		For >50, Deduct	*-229.16*	
10 71 16 13-0166	EA	60" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,801.15	192.24
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-84.67*	
		For >25 To 50, Deduct	*-162.13*	
		For >50, Deduct	*-239.60*	
10 71 16 13-0167	EA	60" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,971.83	194.28
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.39*	
		For >10 To 25, Deduct	*-88.17*	
		For >25 To 50, Deduct	*-169.07*	
		For >50, Deduct	*-249.96*	
10 71 16 13-0168		>60" To 90" Wide *(10 71 16 13-0011)*		
10 71 16 13-0169	EA	66" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,160.66	63.53
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-26.07*	
		For >25 To 50, Deduct	*-49.76*	
		For >50, Deduct	*-73.45*	
10 71 16 13-0170	EA	66" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,368.87	79.40
		For Impact Bahama Shutters, Add	*499.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-30.95*	
		For >25 To 50, Deduct	*-58.92*	
		For >50, Deduct	*-86.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0171	EA	66" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,577.10	95.29
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-35.83*	
		For >25 To 50, Deduct	*-68.08*	
		For >50, Deduct	*-100.34*	
10 71 16 13-0172	EA	66" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,771.03	101.65
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-39.99*	
		For >25 To 50, Deduct	*-76.18*	
		For >50, Deduct	*-112.36*	
10 71 16 13-0173	EA	66" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,977.19	116.15
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-44.77*	
		For >25 To 50, Deduct	*-85.18*	
		For >50, Deduct	*-125.60*	
10 71 16 13-0174	EA	66" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,183.36	130.68
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-49.55*	
		For >25 To 50, Deduct	*-94.19*	
		For >50, Deduct	*-138.84*	
10 71 16 13-0175	EA	66" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,389.52	145.20
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-54.32*	
		For >25 To 50, Deduct	*-103.20*	
		For >50, Deduct	*-152.08*	
10 71 16 13-0176	EA	66" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,583.72	151.75
		For Impact Bahama Shutters, Add	*942.49*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-58.50*	
		For >25 To 50, Deduct	*-111.31*	
		For >50, Deduct	*-164.12*	
10 71 16 13-0177	EA	66" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,788.80	165.53
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-63.22*	
		For >25 To 50, Deduct	*-120.24*	
		For >50, Deduct	*-177.25*	
10 71 16 13-0178	EA	66" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,980.43	170.36
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-67.27*	
		For >25 To 50, Deduct	*-128.16*	
		For >50, Deduct	*-189.04*	
10 71 16 13-0179	EA	66" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,184.49	183.47
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-71.94*	
		For >25 To 50, Deduct	*-137.01*	
		For >50, Deduct	*-202.07*	
10 71 16 13-0180	EA	66" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,373.81	186.74
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-75.88*	
		For >25 To 50, Deduct	*-144.75*	
		For >50, Deduct	*-213.63*	
10 71 16 13-0181	EA	66" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,564.92	191.22
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-79.90*	
		For >25 To 50, Deduct	*-152.63*	
		For >50, Deduct	*-225.36*	
10 71 16 13-0182	EA	66" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,755.05	195.04
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-83.87*	
		For >25 To 50, Deduct	*-160.44*	
		For >50, Deduct	*-237.00*	
10 71 16 13-0183	EA	66" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,944.26	198.26
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-87.80*	
		For >25 To 50, Deduct	*-168.17*	
		For >50, Deduct	*-248.54*	
10 71 16 13-0184	EA	66" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,132.63	200.91
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-91.69*	
		For >25 To 50, Deduct	*-175.85*	
		For >50, Deduct	*-260.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0185	EA	66" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,320.20	203.02
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-95.54*	
		For >25 To 50, Deduct	*-183.46*	
		For >50, Deduct	*-271.39*	
10 71 16 13-0186	EA	72" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,236.37	69.31
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-27.84*	
		For >25 To 50, Deduct	*-53.09*	
		For >50, Deduct	*-78.34*	
10 71 16 13-0187	EA	72" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,463.52	86.62
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-33.17*	
		For >25 To 50, Deduct	*-63.09*	
		For >50, Deduct	*-93.01*	
10 71 16 13-0188	EA	72" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,690.66	103.95
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-38.49*	
		For >25 To 50, Deduct	*-73.08*	
		For >50, Deduct	*-107.67*	
10 71 16 13-0189	EA	72" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,902.21	110.88
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-43.03*	
		For >25 To 50, Deduct	*-81.91*	
		For >50, Deduct	*-120.78*	
10 71 16 13-0190	EA	72" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,127.12	126.72
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-48.24*	
		For >25 To 50, Deduct	*-91.73*	
		For >50, Deduct	*-135.23*	
10 71 16 13-0191	EA	72" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,352.04	142.56
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-53.45*	
		For >25 To 50, Deduct	*-101.56*	
		For >50, Deduct	*-149.67*	
10 71 16 13-0192	EA	72" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,576.95	158.40
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-58.66*	
		For >25 To 50, Deduct	*-111.39*	
		For >50, Deduct	*-164.12*	
10 71 16 13-0193	EA	72" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,788.80	165.53
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-63.22*	
		For >25 To 50, Deduct	*-120.24*	
		For >50, Deduct	*-177.25*	
10 71 16 13-0194	EA	72" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,012.53	180.57
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-68.37*	
		For >25 To 50, Deduct	*-129.98*	
		For >50, Deduct	*-191.58*	
10 71 16 13-0195	EA	72" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,236.50	185.85
		For Impact Bahama Shutters, Add	*1,183.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-73.09*	
		For >25 To 50, Deduct	*-139.21*	
		For >50, Deduct	*-205.34*	
10 71 16 13-0196	EA	72" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,444.18	200.14
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-77.89*	
		For >25 To 50, Deduct	*-148.27*	
		For >50, Deduct	*-218.65*	
10 71 16 13-0197	EA	72" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,650.70	203.71
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-82.18*	
		For >25 To 50, Deduct	*-156.72*	
		For >50, Deduct	*-231.26*	
10 71 16 13-0198	EA	72" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,859.21	208.61
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-86.57*	
		For >25 To 50, Deduct	*-165.32*	
		For >50, Deduct	*-244.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0199	EA	72" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,066.61	212.77
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-90.90*	
		For >25 To 50, Deduct	*-173.83*	
		For >50, Deduct	*-256.76*	
10 71 16 13-0200	EA	72" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,273.04	216.28
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-95.19*	
		For >25 To 50, Deduct	*-182.27*	
		For >50, Deduct	*-269.35*	
10 71 16 13-0201	EA	72" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,478.53	219.17
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-99.43*	
		For >25 To 50, Deduct	*-190.64*	
		For >50, Deduct	*-281.86*	
10 71 16 13-0202	EA	72" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,683.14	221.48
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.89*	
		For >10 To 25, Deduct	*-103.62*	
		For >25 To 50, Deduct	*-198.95*	
		For >50, Deduct	*-294.27*	
10 71 16 13-0203	EA	78" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,312.09	75.08
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-29.62*	
		For >25 To 50, Deduct	*-56.42*	
		For >50, Deduct	*-83.23*	
10 71 16 13-0204	EA	78" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,558.15	93.86
		For Impact Bahama Shutters, Add	*566.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-35.38*	
		For >25 To 50, Deduct	*-67.25*	
		For >50, Deduct	*-99.12*	
10 71 16 13-0205	EA	78" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,804.22	112.61
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-41.15*	
		For >25 To 50, Deduct	*-78.08*	
		For >50, Deduct	*-115.01*	
10 71 16 13-0206	EA	78" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,033.42	120.11
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-46.07*	
		For >25 To 50, Deduct	*-87.64*	
		For >50, Deduct	*-129.21*	
10 71 16 13-0207	EA	78" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,277.06	137.28
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-51.72*	
		For >25 To 50, Deduct	*-98.29*	
		For >50, Deduct	*-144.86*	
10 71 16 13-0208	EA	78" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,520.72	154.44
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-57.36*	
		For >25 To 50, Deduct	*-108.93*	
		For >50, Deduct	*-160.51*	
10 71 16 13-0209	EA	78" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,764.38	171.59
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-63.01*	
		For >25 To 50, Deduct	*-119.58*	
		For >50, Deduct	*-176.15*	
10 71 16 13-0210	EA	78" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,993.88	179.32
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-67.94*	
		For >25 To 50, Deduct	*-129.16*	
		For >50, Deduct	*-190.39*	
10 71 16 13-0211	EA	78" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,236.26	195.63
		For Impact Bahama Shutters, Add	*1,177.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-73.52*	
		For >25 To 50, Deduct	*-139.72*	
		For >50, Deduct	*-205.91*	
10 71 16 13-0212	EA	78" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,462.73	201.34
		For Impact Bahama Shutters, Add	*1,264.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-78.31*	
		For >25 To 50, Deduct	*-149.07*	
		For >50, Deduct	*-219.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0213	EA	78" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,703.89	216.83
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-159.53*	
		For >50, Deduct	*-235.24*	
10 71 16 13-0214	EA	78" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,927.62	220.70
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-88.48*	
		For >25 To 50, Deduct	*-168.69*	
		For >50, Deduct	*-248.89*	
10 71 16 13-0215	EA	78" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,153.49	225.99
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-93.23*	
		For >25 To 50, Deduct	*-178.00*	
		For >50, Deduct	*-262.76*	
10 71 16 13-0216	EA	78" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,378.17	230.51
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-97.93*	
		For >25 To 50, Deduct	*-187.22*	
		For >50, Deduct	*-276.51*	
10 71 16 13-0217	EA	78" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,601.80	234.30
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-102.57*	
		For >25 To 50, Deduct	*-196.37*	
		For >50, Deduct	*-290.16*	
10 71 16 13-0218	EA	78" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,824.42	237.43
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-107.17*	
		For >25 To 50, Deduct	*-205.44*	
		For >50, Deduct	*-303.70*	
10 71 16 13-0219	EA	78" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,046.08	239.93
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-111.71*	
		For >25 To 50, Deduct	*-214.43*	
		For >50, Deduct	*-317.15*	
10 71 16 13-0220	EA	84" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,387.80	80.86
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-31.39*	
		For >25 To 50, Deduct	*-59.75*	
		For >50, Deduct	*-88.12*	
10 71 16 13-0221	EA	84" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,652.81	101.07
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-37.60*	
		For >25 To 50, Deduct	*-71.42*	
		For >50, Deduct	*-105.23*	
10 71 16 13-0222	EA	84" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,917.80	121.27
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-43.81*	
		For >25 To 50, Deduct	*-83.08*	
		For >50, Deduct	*-122.34*	
10 71 16 13-0223	EA	84" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,164.60	129.37
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-49.11*	
		For >25 To 50, Deduct	*-93.37*	
		For >50, Deduct	*-137.63*	
10 71 16 13-0224	EA	84" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,427.00	147.84
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-55.19*	
		For >25 To 50, Deduct	*-104.84*	
		For >50, Deduct	*-154.49*	
10 71 16 13-0225	EA	84" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,689.41	166.32
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-61.27*	
		For >25 To 50, Deduct	*-116.30*	
		For >50, Deduct	*-171.34*	
10 71 16 13-0226	EA	84" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,951.80	184.81
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-67.35*	
		For >25 To 50, Deduct	*-127.77*	
		For >50, Deduct	*-188.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0227	EA	84" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,198.97	193.13
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-72.67*	
		For >25 To 50, Deduct	*-138.09*	
		For >50, Deduct	*-203.52*	
10 71 16 13-0228	EA	84" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,459.97	210.67
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-78.67*	
		For >25 To 50, Deduct	*-149.45*	
		For >50, Deduct	*-220.23*	
10 71 16 13-0229	EA	84" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,703.89	216.83
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-159.53*	
		For >50, Deduct	*-235.24*	
10 71 16 13-0230	EA	84" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,963.57	233.49
		For Impact Bahama Shutters, Add	*1,445.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-89.77*	
		For >25 To 50, Deduct	*-170.80*	
		For >50, Deduct	*-251.82*	
10 71 16 13-0231	EA	84" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,204.51	237.67
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-94.78*	
		For >25 To 50, Deduct	*-180.65*	
		For >50, Deduct	*-266.52*	
10 71 16 13-0232	EA	84" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,447.76	243.38
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-99.90*	
		For >25 To 50, Deduct	*-190.68*	
		For >50, Deduct	*-281.46*	
10 71 16 13-0233	EA	84" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,689.75	248.25
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-104.96*	
		For >25 To 50, Deduct	*-200.62*	
		For >50, Deduct	*-296.27*	
10 71 16 13-0234	EA	84" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,930.58	252.33
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-109.96*	
		For >25 To 50, Deduct	*-210.46*	
		For >50, Deduct	*-310.97*	
10 71 16 13-0235	EA	84" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,170.31	255.70
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-114.91*	
		For >25 To 50, Deduct	*-220.23*	
		For >50, Deduct	*-325.55*	
10 71 16 13-0236	EA	84" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,409.03	258.39
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*412.26*	
		For >10 To 25, Deduct	*-119.80*	
		For >25 To 50, Deduct	*-229.92*	
		For >50, Deduct	*-340.04*	
10 71 16 13-0237	EA	90" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,463.52	86.62
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-33.17*	
		For >25 To 50, Deduct	*-63.09*	
		For >50, Deduct	*-93.01*	
10 71 16 13-0238	EA	90" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,747.45	108.29
		For Impact Bahama Shutters, Add	*634.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-39.82*	
		For >25 To 50, Deduct	*-75.58*	
		For >50, Deduct	*-111.34*	
10 71 16 13-0239	EA	90" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,031.36	129.95
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-46.47*	
		For >25 To 50, Deduct	*-88.07*	
		For >50, Deduct	*-129.67*	
10 71 16 13-0240	EA	90" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,295.82	138.60
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-52.15*	
		For >25 To 50, Deduct	*-99.11*	
		For >50, Deduct	*-146.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0241	EA	90" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,576.95	158.40
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-58.66*	
		For >25 To 50, Deduct	*-111.39*	
		For >50, Deduct	*-164.12*	
10 71 16 13-0242	EA	90" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,858.09	178.20
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-65.18*	
		For >25 To 50, Deduct	*-123.67*	
		For >50, Deduct	*-182.17*	
10 71 16 13-0243	EA	90" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,139.23	198.00
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-71.69*	
		For >25 To 50, Deduct	*-135.96*	
		For >50, Deduct	*-200.23*	
10 71 16 13-0244	EA	90" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,404.05	206.91
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-77.39*	
		For >25 To 50, Deduct	*-147.02*	
		For >50, Deduct	*-216.65*	
10 71 16 13-0245	EA	90" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,683.69	225.73
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-159.19*	
		For >50, Deduct	*-234.56*	
10 71 16 13-0246	EA	90" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,945.03	232.32
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-89.35*	
		For >25 To 50, Deduct	*-169.99*	
		For >50, Deduct	*-250.63*	
10 71 16 13-0247	EA	90" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,223.27	250.18
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-95.72*	
		For >25 To 50, Deduct	*-182.06*	
		For >50, Deduct	*-268.40*	
10 71 16 13-0248	EA	90" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,481.44	254.64
		For Impact Bahama Shutters, Add	*1,639.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-101.08*	
		For >25 To 50, Deduct	*-192.62*	
		For >50, Deduct	*-284.16*	
10 71 16 13-0249	EA	90" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,742.05	260.76
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-106.57*	
		For >25 To 50, Deduct	*-203.37*	
		For >50, Deduct	*-300.16*	
10 71 16 13-0250	EA	90" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,001.31	265.97
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-111.99*	
		For >25 To 50, Deduct	*-214.01*	
		For >50, Deduct	*-316.03*	
10 71 16 13-0251	EA	90" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,259.33	270.35
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-117.35*	
		For >25 To 50, Deduct	*-224.56*	
		For >50, Deduct	*-331.77*	
10 71 16 13-0252	EA	90" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,516.20	273.95
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-122.65*	
		For >25 To 50, Deduct	*-235.02*	
		For >50, Deduct	*-347.40*	
10 71 16 13-0253	EA	90" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,771.97	276.85
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-127.89*	
		For >25 To 50, Deduct	*-245.41*	
		For >50, Deduct	*-362.92*	

10 71 16 13-0254 >90" Wide *(10 71 16 13-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0255	EA	96" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,532.30	87.78
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-34.59*	
		For >25 To 50, Deduct	*-65.90*	
		For >50, Deduct	*-97.20*	
10 71 16 13-0256	EA	96" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,833.43	109.73
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-41.60*	
		For >25 To 50, Deduct	*-79.10*	
		For >50, Deduct	*-116.59*	
10 71 16 13-0257	EA	96" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,134.55	131.67
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-48.61*	
		For >25 To 50, Deduct	*-92.29*	
		For >50, Deduct	*-135.97*	
10 71 16 13-0258	EA	96" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,415.92	140.45
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-54.64*	
		For >25 To 50, Deduct	*-104.01*	
		For >50, Deduct	*-153.38*	
10 71 16 13-0259	EA	96" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,714.23	160.52
		For Impact Bahama Shutters, Add	*989.43*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-61.50*	
		For >25 To 50, Deduct	*-116.99*	
		For >50, Deduct	*-172.48*	
10 71 16 13-0260	EA	96" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,012.53	180.57
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-68.37*	
		For >25 To 50, Deduct	*-129.98*	
		For >50, Deduct	*-191.58*	
10 71 16 13-0261	EA	96" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,310.83	200.64
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-75.24*	
		For >25 To 50, Deduct	*-142.96*	
		For >50, Deduct	*-210.68*	
10 71 16 13-0262	EA	96" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,592.58	209.68
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-81.28*	
		For >25 To 50, Deduct	*-154.71*	
		For >50, Deduct	*-228.13*	
10 71 16 13-0263	EA	96" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,889.38	228.74
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-88.08*	
		For >25 To 50, Deduct	*-167.58*	
		For >50, Deduct	*-247.08*	
10 71 16 13-0264	EA	96" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,167.61	235.41
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-93.94*	
		For >25 To 50, Deduct	*-179.06*	
		For >50, Deduct	*-264.17*	
10 71 16 13-0265	EA	96" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,462.96	253.51
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-100.66*	
		For >25 To 50, Deduct	*-191.82*	
		For >50, Deduct	*-282.98*	
10 71 16 13-0266	EA	96" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,737.97	258.05
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-106.37*	
		For >25 To 50, Deduct	*-203.06*	
		For >50, Deduct	*-299.75*	
10 71 16 13-0267	EA	96" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,015.48	264.24
		For Impact Bahama Shutters, Add	*1,847.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-112.19*	
		For >25 To 50, Deduct	*-214.48*	
		For >50, Deduct	*-316.78*	
10 71 16 13-0268	EA	96" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,291.61	269.51
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-117.95*	
		For >25 To 50, Deduct	*-225.81*	
		For >50, Deduct	*-333.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0269	EA	96" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,566.49	273.95
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-123.65*	
		For >25 To 50, Deduct	*-237.04*	
		For >50, Deduct	*-350.42*	
10 71 16 13-0270	EA	96" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,840.18	277.61
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-129.29*	
		For >25 To 50, Deduct	*-248.17*	
		For >50, Deduct	*-367.06*	
10 71 16 13-0271	EA	96" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,112.80	280.54
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.64*	
		For >10 To 25, Deduct	*-134.87*	
		For >25 To 50, Deduct	*-259.23*	
		For >50, Deduct	*-383.59*	
10 71 16 13-0272	EA	102" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,607.58	93.26
		For Impact Bahama Shutters, Add	*587.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-36.35*	
		For >25 To 50, Deduct	*-69.20*	
		For >50, Deduct	*-102.05*	
10 71 16 13-0273	EA	102" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,927.52	116.59
		For Impact Bahama Shutters, Add	*701.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-43.79*	
		For >25 To 50, Deduct	*-83.22*	
		For >50, Deduct	*-122.64*	
10 71 16 13-0274	EA	102" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,247.47	139.90
		For Impact Bahama Shutters, Add	*815.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-51.24*	
		For >25 To 50, Deduct	*-97.24*	
		For >50, Deduct	*-143.24*	
10 71 16 13-0275	EA	102" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,546.42	149.23
		For Impact Bahama Shutters, Add	*929.08*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-57.64*	
		For >25 To 50, Deduct	*-109.69*	
		For >50, Deduct	*-161.73*	
10 71 16 13-0276	EA	102" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,863.38	170.55
		For Impact Bahama Shutters, Add	*1,043.07*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-64.94*	
		For >25 To 50, Deduct	*-123.48*	
		For >50, Deduct	*-182.03*	
10 71 16 13-0277	EA	102" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,180.32	191.87
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-72.24*	
		For >25 To 50, Deduct	*-137.28*	
		For >50, Deduct	*-202.33*	
10 71 16 13-0278	EA	102" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,497.26	213.18
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-79.53*	
		For >25 To 50, Deduct	*-151.08*	
		For >50, Deduct	*-222.62*	
10 71 16 13-0279	EA	102" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,796.64	222.78
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-85.95*	
		For >25 To 50, Deduct	*-163.56*	
		For >50, Deduct	*-241.16*	
10 71 16 13-0280	EA	102" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,111.98	243.03
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-93.17*	
		For >25 To 50, Deduct	*-177.23*	
		For >50, Deduct	*-261.29*	
10 71 16 13-0281	EA	102" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,407.58	250.12
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-99.40*	
		For >25 To 50, Deduct	*-189.43*	
		For >50, Deduct	*-279.45*	
10 71 16 13-0282	EA	102" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,721.42	269.36
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-106.54*	
		For >25 To 50, Deduct	*-202.99*	
		For >50, Deduct	*-299.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0283	EA	102" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,013.60	274.17
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-112.60*	
		For >25 To 50, Deduct	*-214.93*	
		For >50, Deduct	*-317.26*	
10 71 16 13-0284	EA	102" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,308.45	280.76
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-118.80*	
		For >25 To 50, Deduct	*-227.07*	
		For >50, Deduct	*-335.34*	
10 71 16 13-0285	EA	102" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,601.84	286.36
		For Impact Bahama Shutters, Add	*2,069.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-124.92*	
		For >25 To 50, Deduct	*-239.10*	
		For >50, Deduct	*-353.28*	
10 71 16 13-0286	EA	102" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,893.91	291.09
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-130.97*	
		For >25 To 50, Deduct	*-251.03*	
		For >50, Deduct	*-371.09*	
10 71 16 13-0287	EA	102" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,184.72	294.96
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-136.96*	
		For >25 To 50, Deduct	*-262.87*	
		For >50, Deduct	*-388.77*	
10 71 16 13-0288	EA	102" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,474.35	298.07
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-142.89*	
		For >25 To 50, Deduct	*-274.61*	
		For >50, Deduct	*-406.34*	
10 71 16 13-0289	EA	108" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,682.87	98.75
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-38.10*	
		For >25 To 50, Deduct	*-72.50*	
		For >50, Deduct	*-106.89*	
10 71 16 13-0290	EA	108" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,021.62	123.45
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-45.98*	
		For >25 To 50, Deduct	*-87.34*	
		For >50, Deduct	*-128.70*	
10 71 16 13-0291	EA	108" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,360.39	148.13
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-53.87*	
		For >25 To 50, Deduct	*-102.19*	
		For >50, Deduct	*-150.51*	
10 71 16 13-0292	EA	108" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,676.95	158.01
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-60.65*	
		For >25 To 50, Deduct	*-115.37*	
		For >50, Deduct	*-170.09*	
10 71 16 13-0293	EA	108" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,012.53	180.57
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-68.37*	
		For >25 To 50, Deduct	*-129.98*	
		For >50, Deduct	*-191.58*	
10 71 16 13-0294	EA	108" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,348.13	203.15
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-76.10*	
		For >25 To 50, Deduct	*-144.59*	
		For >50, Deduct	*-213.07*	
10 71 16 13-0295	EA	108" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,683.69	225.73
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-159.19*	
		For >50, Deduct	*-234.56*	
10 71 16 13-0296	EA	108" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,000.67	235.89
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-90.62*	
		For >25 To 50, Deduct	*-172.40*	
		For >50, Deduct	*-254.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0297	EA	108" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,334.58	257.32
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-98.27*	
		For >25 To 50, Deduct	*-186.89*	
		For >50, Deduct	*-275.51*	
10 71 16 13-0298	EA	108" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,647.57	264.83
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-104.86*	
		For >25 To 50, Deduct	*-199.80*	
		For >50, Deduct	*-294.74*	
10 71 16 13-0299	EA	108" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,979.87	285.21
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-112.43*	
		For >25 To 50, Deduct	*-214.16*	
		For >50, Deduct	*-315.90*	
10 71 16 13-0300	EA	108" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,289.25	290.30
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-118.84*	
		For >25 To 50, Deduct	*-226.80*	
		For >50, Deduct	*-334.76*	
10 71 16 13-0301	EA	108" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,601.44	297.26
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-125.40*	
		For >25 To 50, Deduct	*-239.66*	
		For >50, Deduct	*-353.91*	
10 71 16 13-0302	EA	108" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,912.10	303.22
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-131.88*	
		For >25 To 50, Deduct	*-252.39*	
		For >50, Deduct	*-372.91*	
10 71 16 13-0303	EA	108" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,221.32	308.20
		For Impact Bahama Shutters, Add	*2,303.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-138.29*	
		For >25 To 50, Deduct	*-265.03*	
		For >50, Deduct	*-391.76*	
10 71 16 13-0304	EA	108" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,529.23	312.31
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-144.63*	
		For >25 To 50, Deduct	*-277.56*	
		For >50, Deduct	*-410.48*	
10 71 16 13-0305	EA	108" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,835.92	315.61
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*478.22*	
		For >10 To 25, Deduct	*-150.91*	
		For >25 To 50, Deduct	*-290.00*	
		For >50, Deduct	*-429.08*	
10 71 16 13-0306	EA	114" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,758.15	104.24
		For Impact Bahama Shutters, Add	*640.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-39.85*	
		For >25 To 50, Deduct	*-75.80*	
		For >50, Deduct	*-111.74*	
10 71 16 13-0307	EA	114" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,115.72	130.30
		For Impact Bahama Shutters, Add	*768.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-48.17*	
		For >25 To 50, Deduct	*-91.47*	
		For >50, Deduct	*-134.76*	
10 71 16 13-0308	EA	114" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,473.31	156.36
		For Impact Bahama Shutters, Add	*895.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-56.50*	
		For >25 To 50, Deduct	*-107.14*	
		For >50, Deduct	*-157.78*	
10 71 16 13-0309	EA	114" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,807.44	166.79
		For Impact Bahama Shutters, Add	*1,022.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-63.65*	
		For >25 To 50, Deduct	*-121.05*	
		For >50, Deduct	*-178.45*	
10 71 16 13-0310	EA	114" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,161.69	190.62
		For Impact Bahama Shutters, Add	*1,150.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-71.81*	
		For >25 To 50, Deduct	*-136.47*	
		For >50, Deduct	*-201.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0311	EA	114" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,515.91	214.43
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-79.96*	
		For >25 To 50, Deduct	*-151.89*	
		For >50, Deduct	*-223.81*	
10 71 16 13-0312	EA	114" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,870.14	238.27
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-88.12*	
		For >25 To 50, Deduct	*-167.31*	
		For >50, Deduct	*-246.50*	
10 71 16 13-0313	EA	114" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,204.73	248.99
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-95.29*	
		For >25 To 50, Deduct	*-181.25*	
		For >50, Deduct	*-267.22*	
10 71 16 13-0314	EA	114" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,557.16	271.62
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-103.36*	
		For >25 To 50, Deduct	*-196.54*	
		For >50, Deduct	*-289.72*	
10 71 16 13-0315	EA	114" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,887.57	279.54
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-110.33*	
		For >25 To 50, Deduct	*-210.17*	
		For >50, Deduct	*-310.02*	
10 71 16 13-0316	EA	114" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,238.31	301.05
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-118.31*	
		For >25 To 50, Deduct	*-225.33*	
		For >50, Deduct	*-332.35*	
10 71 16 13-0317	EA	114" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,564.88	306.43
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-125.08*	
		For >25 To 50, Deduct	*-238.67*	
		For >50, Deduct	*-352.27*	
10 71 16 13-0318	EA	114" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,894.41	313.78
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-132.00*	
		For >25 To 50, Deduct	*-252.24*	
		For >50, Deduct	*-372.48*	
10 71 16 13-0319	EA	114" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,222.33	320.06
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-138.84*	
		For >25 To 50, Deduct	*-265.69*	
		For >50, Deduct	*-392.53*	
10 71 16 13-0320	EA	114" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,548.75	325.33
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-145.61*	
		For >25 To 50, Deduct	*-279.02*	
		For >50, Deduct	*-412.44*	
10 71 16 13-0321	EA	114" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,873.76	329.67
		For Impact Bahama Shutters, Add	*2,551.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-152.30*	
		For >25 To 50, Deduct	*-292.25*	
		For >50, Deduct	*-432.20*	
10 71 16 13-0322	EA	114" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,197.47	333.14
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.79*	
		For >10 To 25, Deduct	*-158.93*	
		For >25 To 50, Deduct	*-305.38*	
		For >50, Deduct	*-451.83*	
10 71 16 13-0323	EA	120" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,833.43	109.73
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-41.60*	
		For >25 To 50, Deduct	*-79.10*	
		For >50, Deduct	*-116.59*	
10 71 16 13-0324	EA	120" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,209.82	137.16
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-50.37*	
		For >25 To 50, Deduct	*-95.59*	
		For >50, Deduct	*-140.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0325	EA	120" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,586.22	164.60
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-59.13*	
		For >25 To 50, Deduct	*-112.09*	
		For >50, Deduct	*-165.04*	
10 71 16 13-0326	EA	120" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,937.96	175.57
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-66.66*	
		For >25 To 50, Deduct	*-126.73*	
		For >50, Deduct	*-186.81*	
10 71 16 13-0327	EA	120" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,310.83	200.64
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-75.24*	
		For >25 To 50, Deduct	*-142.96*	
		For >50, Deduct	*-210.68*	
10 71 16 13-0328	EA	120" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,683.69	225.73
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-159.19*	
		For >50, Deduct	*-234.56*	
10 71 16 13-0329	EA	120" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,056.58	250.80
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-92.41*	
		For >25 To 50, Deduct	*-175.42*	
		For >50, Deduct	*-258.44*	
10 71 16 13-0330	EA	120" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,408.78	262.10
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-99.96*	
		For >25 To 50, Deduct	*-190.10*	
		For >50, Deduct	*-280.24*	
10 71 16 13-0331	EA	120" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,779.76	285.93
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-108.46*	
		For >25 To 50, Deduct	*-206.19*	
		For >50, Deduct	*-303.93*	
10 71 16 13-0332	EA	120" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,127.55	294.26
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-115.79*	
		For >25 To 50, Deduct	*-220.54*	
		For >50, Deduct	*-325.30*	
10 71 16 13-0333	EA	120" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,496.76	316.89
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-124.19*	
		For >25 To 50, Deduct	*-236.50*	
		For >50, Deduct	*-348.81*	
10 71 16 13-0334	EA	120" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,840.51	322.55
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-131.32*	
		For >25 To 50, Deduct	*-250.55*	
		For >50, Deduct	*-369.77*	
10 71 16 13-0335	EA	120" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,187.39	330.29
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-138.60*	
		For >25 To 50, Deduct	*-264.83*	
		For >50, Deduct	*-391.05*	
10 71 16 13-0336	EA	120" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,532.57	336.90
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-145.80*	
		For >25 To 50, Deduct	*-278.98*	
		For >50, Deduct	*-412.16*	
10 71 16 13-0337	EA	120" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,876.15	342.45
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-152.93*	
		For >25 To 50, Deduct	*-293.02*	
		For >50, Deduct	*-433.11*	
10 71 16 13-0338	EA	120" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,218.28	347.02
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-159.97*	
		For >25 To 50, Deduct	*-306.94*	
		For >50, Deduct	*-453.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0339	EA	120" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,559.02	350.66
		For Impact Bahama Shutters, Add	*2,813.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*529.04*	
		For >10 To 25, Deduct	*-166.95*	
		For >25 To 50, Deduct	*-320.76*	
		For >50, Deduct	*-474.57*	
10 71 16 13-0340	EA	126" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,908.71	115.22
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-43.36*	
		For >25 To 50, Deduct	*-82.39*	
		For >50, Deduct	*-121.43*	
10 71 16 13-0341	EA	126" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,303.93	144.03
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-52.56*	
		For >25 To 50, Deduct	*-99.71*	
		For >50, Deduct	*-146.87*	
10 71 16 13-0342	EA	126" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,699.15	172.82
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-61.76*	
		For >25 To 50, Deduct	*-117.03*	
		For >50, Deduct	*-172.31*	
10 71 16 13-0343	EA	126" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,068.45	184.35
		For Impact Bahama Shutters, Add	*1,116.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-69.66*	
		For >25 To 50, Deduct	*-132.41*	
		For >50, Deduct	*-195.16*	
10 71 16 13-0344	EA	126" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,459.97	210.67
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-78.67*	
		For >25 To 50, Deduct	*-149.45*	
		For >50, Deduct	*-220.23*	
10 71 16 13-0345	EA	126" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,851.51	237.01
		For Impact Bahama Shutters, Add	*1,398.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-87.69*	
		For >25 To 50, Deduct	*-166.50*	
		For >50, Deduct	*-245.30*	
10 71 16 13-0346	EA	126" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,243.01	263.35
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-96.70*	
		For >25 To 50, Deduct	*-183.54*	
		For >50, Deduct	*-270.37*	
10 71 16 13-0347	EA	126" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,612.81	275.19
		For Impact Bahama Shutters, Add	*1,680.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-104.63*	
		For >25 To 50, Deduct	*-198.95*	
		For >50, Deduct	*-293.27*	
10 71 16 13-0348	EA	126" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,002.38	300.22
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-113.55*	
		For >25 To 50, Deduct	*-215.85*	
		For >50, Deduct	*-318.15*	
10 71 16 13-0349	EA	126" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,367.53	308.98
		For Impact Bahama Shutters, Add	*1,961.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-121.25*	
		For >25 To 50, Deduct	*-230.91*	
		For >50, Deduct	*-340.58*	
10 71 16 13-0350	EA	126" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,755.20	332.74
		For Impact Bahama Shutters, Add	*2,102.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-130.07*	
		For >25 To 50, Deduct	*-247.67*	
		For >50, Deduct	*-365.27*	
10 71 16 13-0351	EA	126" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,116.14	338.68
		For Impact Bahama Shutters, Add	*2,243.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-137.56*	
		For >25 To 50, Deduct	*-262.42*	
		For >50, Deduct	*-387.28*	
10 71 16 13-0352	EA	126" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,480.37	346.81
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-145.21*	
		For >25 To 50, Deduct	*-277.41*	
		For >50, Deduct	*-409.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0353	EA	126" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,842.80	353.74
		For Impact Bahama Shutters, Add	*2,524.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-152.77*	
		For >25 To 50, Deduct	*-292.27*	
		For >50, Deduct	*-431.78*	
10 71 16 13-0354	EA	126" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,203.58	359.56
		For Impact Bahama Shutters, Add	*2,665.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-160.24*	
		For >25 To 50, Deduct	*-307.01*	
		For >50, Deduct	*-453.78*	
10 71 16 13-0355	EA	126" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,562.81	364.37
		For Impact Bahama Shutters, Add	*2,806.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-167.64*	
		For >25 To 50, Deduct	*-321.63*	
		For >50, Deduct	*-475.62*	
10 71 16 13-0356	EA	126" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,920.59	368.20
		For Impact Bahama Shutters, Add	*2,947.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-174.97*	
		For >25 To 50, Deduct	*-336.14*	
		For >50, Deduct	*-497.32*	
10 71 16 13-0357	EA	132" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,983.99	120.69
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-45.11*	
		For >25 To 50, Deduct	*-85.69*	
		For >50, Deduct	*-126.28*	
10 71 16 13-0358	EA	132" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,398.03	150.88
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-54.75*	
		For >25 To 50, Deduct	*-103.84*	
		For >50, Deduct	*-152.93*	
10 71 16 13-0359	EA	132" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,812.07	181.05
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-64.38*	
		For >25 To 50, Deduct	*-121.98*	
		For >50, Deduct	*-179.58*	
10 71 16 13-0360	EA	132" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,198.97	193.13
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-72.67*	
		For >25 To 50, Deduct	*-138.09*	
		For >50, Deduct	*-203.52*	
10 71 16 13-0361	EA	132" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,609.13	220.72
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-82.11*	
		For >25 To 50, Deduct	*-155.95*	
		For >50, Deduct	*-229.78*	
10 71 16 13-0362	EA	132" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,019.29	248.29
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-91.55*	
		For >25 To 50, Deduct	*-173.80*	
		For >50, Deduct	*-256.05*	
10 71 16 13-0363	EA	132" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,429.45	275.88
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-101.00*	
		For >25 To 50, Deduct	*-191.65*	
		For >50, Deduct	*-282.31*	
10 71 16 13-0364	EA	132" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,816.87	288.31
		For Impact Bahama Shutters, Add	*1,753.85*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-109.30*	
		For >25 To 50, Deduct	*-207.80*	
		For >50, Deduct	*-306.30*	
10 71 16 13-0365	EA	132" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,224.96	314.51
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-118.65*	
		For >25 To 50, Deduct	*-225.50*	
		For >50, Deduct	*-332.36*	
10 71 16 13-0366	EA	132" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,607.52	323.68
		For Impact Bahama Shutters, Add	*2,048.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-126.71*	
		For >25 To 50, Deduct	*-241.29*	
		For >50, Deduct	*-355.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0367	EA	132" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,013.65	348.58
		For Impact Bahama Shutters, Add	*2,196.41*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-135.95*	
		For >25 To 50, Deduct	*-258.84*	
		For >50, Deduct	*-381.72*	
10 71 16 13-0368	EA	132" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,391.77	354.81
		For Impact Bahama Shutters, Add	*2,343.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-143.79*	
		For >25 To 50, Deduct	*-274.29*	
		For >50, Deduct	*-404.78*	
10 71 16 13-0369	EA	132" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,773.34	363.33
		For Impact Bahama Shutters, Add	*2,491.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-151.81*	
		For >25 To 50, Deduct	*-290.00*	
		For >50, Deduct	*-428.19*	
10 71 16 13-0370	EA	132" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,153.06	370.58
		For Impact Bahama Shutters, Add	*2,638.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-159.73*	
		For >25 To 50, Deduct	*-305.57*	
		For >50, Deduct	*-451.41*	
10 71 16 13-0371	EA	132" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,531.01	376.70
		For Impact Bahama Shutters, Add	*2,786.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-167.56*	
		For >25 To 50, Deduct	*-321.01*	
		For >50, Deduct	*-474.45*	
10 71 16 13-0372	EA	132" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,907.32	381.71
		For Impact Bahama Shutters, Add	*2,934.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For >10 To 25, Deduct	*-175.31*	
		For >25 To 50, Deduct	*-336.32*	
		For >50, Deduct	*-497.33*	
10 71 16 13-0373	EA	132" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,282.15	385.73
		For Impact Bahama Shutters, Add	*3,081.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*543.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-182.99*	
		For >25 To 50, Deduct	*-351.53*	
		For >50, Deduct	*-520.06*	
10 71 16 13-0374	EA	138" Wide x 24" High, Architectural Aluminum Bahama Shutter	2,059.27	126.19
		For Impact Bahama Shutters, Add	*748.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-46.86*	
		For >25 To 50, Deduct	*-88.99*	
		For >50, Deduct	*-131.12*	
10 71 16 13-0375	EA	138" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,492.12	157.74
		For Impact Bahama Shutters, Add	*902.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-56.94*	
		For >25 To 50, Deduct	*-107.96*	
		For >50, Deduct	*-158.99*	
10 71 16 13-0376	EA	138" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,924.99	189.28
		For Impact Bahama Shutters, Add	*1,056.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-67.01*	
		For >25 To 50, Deduct	*-126.93*	
		For >50, Deduct	*-186.85*	
10 71 16 13-0377	EA	138" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,329.47	201.89
		For Impact Bahama Shutters, Add	*1,210.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-75.67*	
		For >25 To 50, Deduct	*-143.77*	
		For >50, Deduct	*-211.88*	
10 71 16 13-0378	EA	138" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,758.27	230.74
		For Impact Bahama Shutters, Add	*1,364.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-85.54*	
		For >25 To 50, Deduct	*-162.44*	
		For >50, Deduct	*-239.33*	
10 71 16 13-0379	EA	138" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,187.09	259.59
		For Impact Bahama Shutters, Add	*1,519.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-95.42*	
		For >25 To 50, Deduct	*-181.11*	
		For >50, Deduct	*-266.79*	
10 71 16 13-0380	EA	138" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,615.89	288.44
		For Impact Bahama Shutters, Add	*1,673.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-105.29*	
		For >25 To 50, Deduct	*-199.77*	
		For >50, Deduct	*-294.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0381	EA	138" Wide x 66" High, Architectural Aluminum Bahama Shutter	5,020.93	301.40
		For Impact Bahama Shutters, Add	*1,827.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-113.98*	
		For >25 To 50, Deduct	*-216.65*	
		For >50, Deduct	*-319.33*	
10 71 16 13-0382	EA	138" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,447.57	328.80
		For Impact Bahama Shutters, Add	*1,981.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-123.74*	
		For >25 To 50, Deduct	*-235.16*	
		For >50, Deduct	*-346.57*	
10 71 16 13-0383	EA	138" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,847.51	338.40
		For Impact Bahama Shutters, Add	*2,136.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-132.17*	
		For >25 To 50, Deduct	*-251.66*	
		For >50, Deduct	*-371.14*	
10 71 16 13-0384	EA	138" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,272.08	364.44
		For Impact Bahama Shutters, Add	*2,290.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-141.83*	
		For >25 To 50, Deduct	*-270.01*	
		For >50, Deduct	*-398.18*	
10 71 16 13-0385	EA	138" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,667.41	370.93
		For Impact Bahama Shutters, Add	*2,444.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-150.03*	
		For >25 To 50, Deduct	*-286.16*	
		For >50, Deduct	*-422.29*	
10 71 16 13-0386	EA	138" Wide x 96" High, Architectural Aluminum Bahama Shutter	7,066.32	379.84
		For Impact Bahama Shutters, Add	*2,598.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-158.41*	
		For >25 To 50, Deduct	*-302.58*	
		For >50, Deduct	*-446.76*	
10 71 16 13-0387	EA	138" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,463.28	387.43
		For Impact Bahama Shutters, Add	*2,752.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-166.69*	
		For >25 To 50, Deduct	*-318.86*	
		For >50, Deduct	*-471.03*	
10 71 16 13-0388	EA	138" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,858.41	393.81
		For Impact Bahama Shutters, Add	*2,907.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-174.88*	
		For >25 To 50, Deduct	*-335.00*	
		For >50, Deduct	*-495.12*	
10 71 16 13-0389	EA	138" Wide x 114" High, Architectural Aluminum Bahama Shutter	8,251.86	399.08
		For Impact Bahama Shutters, Add	*3,061.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-182.99*	
		For >25 To 50, Deduct	*-351.02*	
		For >50, Deduct	*-519.04*	
10 71 16 13-0390	EA	138" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,643.72	403.26
		For Impact Bahama Shutters, Add	*3,215.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-191.01*	
		For >25 To 50, Deduct	*-366.91*	
		For >50, Deduct	*-542.81*	
10 71 16 13-0391	EA	144" Wide x 24" High, Architectural Aluminum Bahama Shutter	2,134.55	131.67
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-48.61*	
		For >25 To 50, Deduct	*-92.29*	
		For >50, Deduct	*-135.97*	
10 71 16 13-0392	EA	144" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,586.22	164.60
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-59.13*	
		For >25 To 50, Deduct	*-112.09*	
		For >50, Deduct	*-165.04*	
10 71 16 13-0393	EA	144" Wide x 36" High, Architectural Aluminum Bahama Shutter	3,037.91	197.51
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-69.64*	
		For >25 To 50, Deduct	*-131.88*	
		For >50, Deduct	*-194.12*	
10 71 16 13-0394	EA	144" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,459.97	210.67
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-78.67*	
		For >25 To 50, Deduct	*-149.45*	
		For >50, Deduct	*-220.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0395	EA	144" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,907.42	240.77
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-88.98*	
		For >25 To 50, Deduct	*-168.93*	
		For >50, Deduct	*-248.88*	
10 71 16 13-0396	EA	144" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,354.88	270.86
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-99.28*	
		For >25 To 50, Deduct	*-188.41*	
		For >50, Deduct	*-277.54*	
10 71 16 13-0397	EA	144" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,802.32	300.97
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-109.58*	
		For >25 To 50, Deduct	*-207.89*	
		For >50, Deduct	*-306.19*	
10 71 16 13-0398	EA	144" Wide x 66" High, Architectural Aluminum Bahama Shutter	5,224.96	314.51
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-118.65*	
		For >25 To 50, Deduct	*-225.50*	
		For >50, Deduct	*-332.36*	
10 71 16 13-0399	EA	144" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,670.16	343.10
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-128.84*	
		For >25 To 50, Deduct	*-244.81*	
		For >50, Deduct	*-360.79*	
10 71 16 13-0400	EA	144" Wide x 78" High, Architectural Aluminum Bahama Shutter	6,087.50	353.11
		For Impact Bahama Shutters, Add	*2,223.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-137.63*	
		For >25 To 50, Deduct	*-262.03*	
		For >50, Deduct	*-386.43*	
10 71 16 13-0401	EA	144" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,530.54	380.27
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-147.71*	
		For >25 To 50, Deduct	*-281.18*	
		For >50, Deduct	*-414.64*	
10 71 16 13-0402	EA	144" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,943.05	387.07
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-156.27*	
		For >25 To 50, Deduct	*-298.03*	
		For >50, Deduct	*-439.80*	
10 71 16 13-0403	EA	144" Wide x 96" High, Architectural Aluminum Bahama Shutter	7,359.29	396.35
		For Impact Bahama Shutters, Add	*2,706.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-165.01*	
		For >25 To 50, Deduct	*-315.17*	
		For >50, Deduct	*-465.33*	
10 71 16 13-0404	EA	144" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,773.51	404.28
		For Impact Bahama Shutters, Add	*2,866.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-173.65*	
		For >25 To 50, Deduct	*-332.15*	
		For >50, Deduct	*-490.66*	
10 71 16 13-0405	EA	144" Wide x 108" High, Architectural Aluminum Bahama Shutter	8,185.82	410.94
		For Impact Bahama Shutters, Add	*3,027.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-182.20*	
		For >25 To 50, Deduct	*-349.00*	
		For >50, Deduct	*-515.79*	
10 71 16 13-0406	EA	144" Wide x 114" High, Architectural Aluminum Bahama Shutter	8,596.37	416.41
		For Impact Bahama Shutters, Add	*3,188.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-190.66*	
		For >25 To 50, Deduct	*-365.71*	
		For >50, Deduct	*-540.75*	
10 71 16 13-0407	EA	144" Wide x 120" High, Architectural Aluminum Bahama Shutter	9,005.26	420.80
		For Impact Bahama Shutters, Add	*3,349.75*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*565.05*	
		For >10 To 25, Deduct	*-199.03*	
		For >25 To 50, Deduct	*-382.29*	
		For >50, Deduct	*-565.55*	

10 71 16 13-0408 Shutter Accessories *(10 71 16 13)*

10 71 16 13-0409 Shutter Build-Out *(10 71 16 13-0408)*

10 71 16 13-0410	LF	2' x 3' Hurricane Shutter Buildout	20.46	6.48
10 71 16 13-0411	LF	2' x 5' Hurricane Shutter Buildout	23.32	6.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0412		**Storm Panel Track** *(10 71 16 13-0408)*		
10 71 16 13-0413	LF	H-Header Storm Panel Track	18.87	6.48
10 71 16 13-0414	LF	F-Header Storm Panel Track	18.24	6.48
10 71 16 13-0415	LF	U-Header Storm Panel Track	18.87	6.48
10 71 16 13-0416	LF	Stud Angle Storm Panel Track	19.51	6.48
10 71 16 13-0417	LF	Clip Sill Storm Panel Track	16.33	6.48
10 71 16 13-0418		**Exeter Storm Shield** *(10 71 16 13)*		
10 71 16 13-0419		**Aluminum Framed Panels With Stainless Steel Barrier Membrane** *(10 71 16 13-0418)*		
		Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.		
10 71 16 13-0420		**Operable Panels** *(10 71 16 13-0419)*		
		Note: Price per panel, not by window size.		
10 71 16 13-0421	SF	Up to 7.5 SF Operable Panel	177.46	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*43.54*	
10 71 16 13-0422	SF	>7.5 To 12 SF Operable Panel	154.08	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*20.91*	
10 71 16 13-0423	SF	>12 To 17.5 SF Operable Panel	144.64	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*11.27*	
10 71 16 13-0424	SF	>17.5 To 24 SF Operable Panel	136.27	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*10.87*	
10 71 16 13-0425	SF	>24 SF Operable Panel	122.63	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*9.58*	
10 71 16 13-0426		**Operable Panel Options** *(10 71 16 13-0419)*		
		Note: Tasks to be added per panel.		
10 71 16 13-0427	EA	For Side Hinge, Add Per Panel	136.37	
10 71 16 13-0428	EA	For Top Hinge, Add Per Panel	46.91	
10 71 16 13-0429	EA	For Bahama Unit, Add Per Panel	184.80	
10 71 16 13-0430	EA	For External Keylocks, Add Per Panel	184.09	
10 71 16 13-0431	EA	For Security Egress Option, Add Per Panel	87.70	
10 71 16 13-0432		**Fixed Panel** *(10 71 16 13-0419)*		
		Note: Price per panel, not by window size.		
10 71 16 13-0433	SF	Up to 7.5 SF Fixed Panel	179.75	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*44.68*	
10 71 16 13-0434	SF	>7.5 To 12 SF Fixed Panel	155.84	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*21.44*	
10 71 16 13-0435	SF	>12 To 17.5 SF Fixed Panel	146.09	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.52*	
10 71 16 13-0436	SF	>17.5 To 24 SF Fixed Panel	137.37	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.06*	
10 71 16 13-0437	SF	>24 SF Fixed Panel	123.53	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*9.73*	
10 71 16 16		**Movable Storm Panels** *(10 71 16)*		
10 71 16 16-0001		**Roll-Up Shutters** *(10 71 16 16)*		
10 71 16 16-0002		**Shutters** *(10 71 16 16-0001)*		
10 71 16 16-0003	SF	Hurricane Roll-Up Automatic Shutter	107.70	6.48
10 71 16 16-0004		**Motors And Accessories** *(10 71 16 16-0001)*		
10 71 16 16-0005	EA	49 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	966.86	
10 71 16 16-0006	EA	110 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,042.28	
10 71 16 16-0007	EA	215 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,101.30	
10 71 16 16-0008	EA	261 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,153.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 16-0009	EA	369 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,298.76	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*
Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	100.15	9.93
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	88.51	8.91
10 73 13 13-0004	SF	Flat Roofed Steel Awning Note: Per SF of covered area	246.47	10.32
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	254.36	11.61

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	100.08	9.49
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	57.66	3.06
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings Note: Includes removal of existing canvas cover.	31.55	
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*1.00*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*
Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	9,318.81	594.60
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	17,395.47	951.59
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	11,463.16	743.97
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	21,282.68	994.85

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*
Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	122.38	8.36
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*42.27*	
		For Wind Load (140 MPH), Add	*52.84*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	130.29	9.00
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*44.91*	
		For Wind Load (140 MPH), Add	*56.14*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	89.83	8.36
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*29.25*	
		For Wind Load (140 MPH), Add	*36.56*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	97.77	9.00
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*31.90*	
		For Wind Load (140 MPH), Add	*39.88*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*
Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	4,397.61	1,097.12
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,705.27	1,196.86
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,899.61	1,396.33
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	6,840.64	1,595.81
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	12,449.90	1,795.29
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	14,790.18	1,994.77
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	25,212.41	2,194.24
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	32,570.75	2,393.72
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,325.70	997.38
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,911.30	1,097.12
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,330.43	1,196.86
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*300.00*	
		For Bronze Anodized Finish, Add	*375.00*	
		For Black Anodized Finish, Add	*450.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,435.05	1,396.33
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,650.64	1,595.81
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	7,325.03	1,695.56
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	9,031.53	1,795.29
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,919.33	1,994.77
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	16,334.69	2,194.24
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	20,247.07	2,393.72
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,963.07
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	2,029.15
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,330.99
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,466.18
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,959.54
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,586.36
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	4,242.45
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,930.30
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,744.91

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	845.02
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,212.47
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,354.62
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,524.04

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	152.80	60.87
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	165.52	64.45
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	182.67	68.03
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	227.56	71.61
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	287.99	75.19
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	318.46	78.77
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	295.15	78.77
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	342.16	89.51

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.51	0.11
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.75	0.11
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.58	0.11
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	2.02	0.11
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	492.03	178.93
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	352.42	107.36
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	28.41	7.15
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.56	0.12

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,382.38	874.89
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,590.65	962.38
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,810.02	1,049.88
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	3,259.86	1,224.86
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,950.96	787.40
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,192.53	874.89
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,586.87	1,049.88
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.39	1.15
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.74	1.15
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	20.24	1.15

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.53	1.15
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.75	1.15
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	15.22	1.15

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	12.04	1.15

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*

Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.54	1.15
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	10.08	1.15

10 81 13 00-0014 Spider Bird Barrier *(10 81 13)*

Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	150.93	1.15
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	221.69	1.15
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	278.84	1.15

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting *(10 81 13)*

Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.15	0.38
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.10	0.38
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.06	0.38
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.02	0.38
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.02	0.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.99	0.38
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96	0.38
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96	0.38
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.92	0.38
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.04	0.38
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.98	0.38
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.35	

10 81 13 00-0031 Netting Accessories *(10 81 13)*

10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.64	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.52	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	17.09	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	24.29	

10 81 16 Insect Control Devices *(10 81)*

10 81 16 00-0001 Insect Screening *(10 81 16)*

10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	147.42	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	337.99	28.64
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	396.99	30.07
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	458.86	32.95
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	611.05	35.81
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	242.15	21.48
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	279.18	22.91
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	325.94	25.06
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	452.29	27.21

10 86 00 00-0011 Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	264.81	32.95
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	371.84	35.81
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	490.70	41.53
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	593.32	50.12
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	865.73	71.61
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	163.13	25.06
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	218.69	27.21
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	287.34	31.50
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	354.16	37.96
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	561.42	53.70
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	106.43	21.48
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	135.86	23.63
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	177.72	26.49
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	221.19	31.50
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	365.33	44.76

10 86 00 00-0027 Coated Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	314.85	32.95
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	484.12	35.81
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	817.88	50.12
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,258.71	71.61
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	205.12	25.06
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	303.39	27.21
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	478.65	37.96
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	790.86	53.70
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	149.64	21.48
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	208.60	23.63
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	269.50	26.49
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	346.16	31.50
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	541.08	44.76

10 86 00 00-0041 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0042		**Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)* Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	114.18	22.91
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	147.51	25.06
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	221.38	27.21
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	276.11	31.50
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	366.37	37.96
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	644.41	53.70
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	188.76	25.06
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	270.20	27.21
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	385.89	37.96
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	702.99	53.70
10 86 00 00-0053		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)* Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	226.84	25.06
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	354.65	27.21
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	475.53	31.50
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	593.37	37.96
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	861.65	53.70
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	271.51	25.06
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	418.11	27.21
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	580.49	31.50
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	656.83	37.96
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	1,039.83	53.70
10 86 00 00-0064		**Security Mirrors** *(10 86)*		
10 86 00 00-0065	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	144.13	43.88
10 86 00 00-0066	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	160.42	43.88
10 86 00 00-0067	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	289.59	36.57
10 86 00 00-0068	EA	8" x 10" Framed Stainless Steel Replacement Mirror	112.02	43.88
10 86 00 00-0069	EA	10" x 14" Framed Stainless Steel Replacement Mirror	157.70	43.88

END OF SECTION 10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	650.04	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	679.52	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	713.33	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	949.14	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	980.82	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,389.93	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,410.36	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,449.37	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,666.75	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,694.34	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,245.71	162.49
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,215.55	162.49
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	1,068.54	162.49
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,185.97	162.49

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*

Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,865.37	216.65
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	2,063.84	216.65
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,664.38	216.65
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 Lb. Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,888.60	108.33

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	667.52	40.63
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	667.52	40.63
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	667.52	40.63
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	366.40	40.63
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	202.49	40.63
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	130.68	13.54
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	308.46	54.17
11 11 19 00-0019	EA	Unistrut Reel Brackets	263.99	10.84
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	362.36	40.63

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*

Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	5,212.15	458.68
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	8,936.57	611.18
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	9,045.91	458.68
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	15,180.29	611.18
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	4,284.37	229.34
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	7,974.40	229.34
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,273.95	305.02
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,820.24	305.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		**Electric Vehicle Charging Stations (AeroVironment)** *(11 11 36 13)*		
		Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	3,531.90	229.34
		Note: Includes charging station only. Excludes mounting bracket or pedestal.		
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,853.70	305.02
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	7,926.93	381.85
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	5,312.38	458.68
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	8,614.93	611.18
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	11,917.51	763.69
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	15,220.08	917.34
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0018		**Electric Vehicle Charging Stations (Leviton)** *(11 11 36 13)*		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)	4,625.91	458.68
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,843.24	458.68
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	8,778.60	611.18
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000)	7,993.39	611.18
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	2,948.32	143.34
		For Cap, Add	*228.79*	
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	1,950.02	75.68
		For Cap, Add	*228.79*	
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	1,683.72	38.18
		For Cap, Add	*228.79*	
11 11 36 13-0026		**Electric Vehicle Charging Stations (ChargePoint)** *(11 11 36 13)*		
11 11 36 13-0027	EA	Single Port, Electric Vehicle Charging Station, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4011)	5,196.86	458.68
11 11 36 13-0028	EA	Single Port, Electric Vehicle Charging Station, Gateway Option USA, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4011-GW1)	5,634.92	458.68
11 11 36 13-0029	EA	Dual Port, Electric Vehicle Charging Station, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4021)	7,525.69	611.18
11 11 36 13-0030	EA	Dual Port, Electric Vehicle Charging Station, Gateway Option USA, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4021-GW1)	7,963.76	611.18
11 11 36 13-0031	EA	Single Port, Electric Vehicle Charging Station, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4013)	4,689.84	305.02
11 11 36 13-0032	EA	Single Port, Electric Vehicle Charging Station, Gateway Option USA, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4013-GW1)	5,175.58	305.02
11 11 36 13-0033	EA	Dual Port, Electric Vehicle Charging Station, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4023)	6,806.02	381.85
11 11 36 13-0034	EA	Dual Port, Electric Vehicle Charging Station, Gateway Option USA, Wall Mount Unit, 208/240 Volt At 30 Amperes, With Cord Management (ChargePoint CT4023-GW1)	7,275.76	381.85
11 11 36 13-0035	EA	CT4000 Power Management Kit (ChargePoint CT4000-PMGMT)	157.17	38.18
11 11 36 13-0036	EA	CT4000 Bollard Concrete Mounting Kit (ChargePoint CT4001-CCM)	278.26	
		Note: Includes Bolts: 5/8 - 11 x 9" F1554 Grade 55 hot-dipped galvanized threaded bolts - 3 each. Nuts: 5/8 - Heavy Galvanized Hex Nuts (DH Rated) - 12 each. Washers: Galvanized Washers (ASTM F436) - 9 each. Plastic Template		
11 11 36 13-0037	EA	1 Prepaid Year Of ChargePoint Assure (per station) For CT4000 Station (Chargepoint CT4000 ASSURE1)	649.15	
		Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.		
11 11 36 13-0038	EA	4 Prepaid Years Of ChargePoint Assure (per station) For CT4000 Station (Chargepoint CT4000 ASSURE4)	2,207.12	
		Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0039	EA	Initial Station Activation And Configuration Service (ChargePoint CPSUPPORT-ACTIVE)	261.15	
11 11 36 13-0040	EA	1 Year Prepaid Commercial Cloud Plan (Chargepoint CPCLD-COMMERCIAL-1)	394.13	
11 11 36 13-0041	EA	2 Year Prepaid Commercial Cloud Plan (Chargepoint CPCLD-COMMERCIAL-2)	773.57	
11 11 36 13-0042	EA	3 Year Prepaid Commercial Cloud Plan (Chargepoint CPCLD-COMMERCIAL-3)	1,125.20	
11 11 36 13-0043	EA	4 Year Prepaid Commercial Cloud Plan (Chargepoint CPCLD-COMMERCIAL-4)	1,471.41	
11 11 36 13-0044	EA	5 Year Prepaid Commercial Cloud Plan (ChargePoint CPCLD-COMMERCIAL-5)	1,720.03	
11 11 36 13-0045	EA	1 Prepaid Year Of ChargePoint Assure (per station) For CP6000 Station (Chargepoint CP6000 ASSURE1) Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.	465.23	
11 11 36 13-0046	EA	2 Prepaid Years Of ChargePoint Assure (per station) For CP6000 Station (Chargepoint CP6000 ASSURE2) Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.	865.54	
11 11 36 13-0047	EA	3 Prepaid Years Of ChargePoint Assure (per station) For CP6000 Station (Chargepoint CP6000 ASSURE3) Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.	1,233.39	
11 11 36 13-0048	EA	4 Prepaid Years Of ChargePoint Assure (per station) For CP6000 Station (Chargepoint CP6000 ASSURE4) Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.	1,557.96	
11 11 36 13-0049	EA	5 Prepaid Years Of ChargePoint Assure (per station) For CP6000 Station (Chargepoint CP6000 ASSURE5) Note: Includes Parts and Labor Warranty, Remote Technical Support, On-Site Repairs when needed, Unlimited Configuration Changes, and Reporting.	1,782.96	
11 11 36 13-0050	EA	Single Port, Electric Vehicle Charging Station, 50 Amperes, Pedestal Mount, 18' Cable (ChargePoint CP6611B-50A-L5.5)	6,604.01	458.68
11 11 36 13-0051	EA	Single Port, Electric Vehicle Charging Station, 50 Amperes, Pedestal Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6611B-50A-L5.5-CHIP)	6,923.23	458.68
11 11 36 13-0052	EA	Single Port, Electric Vehicle Charging Station, 80 Amperes, Pedestal Mount, 18' Cable (ChargePoint CP6611B-80A-L5.5)	7,879.13	458.68
11 11 36 13-0053	EA	Single Port, Electric Vehicle Charging Station, 80 Amperes, Pedestal Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6611B-80A-L5.5-CHIP)	8,260.16	458.68
11 11 36 13-0054	EA	Dual Port, Electric Vehicle Charging Station, 50 Amperes, Pedestal Mount, 18' Cable (ChargePoint CP6621B-50A-L5.5)	9,060.36	611.18
11 11 36 13-0055	EA	Dual Port, Electric Vehicle Charging Station, 50 Amperes, Pedestal Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6621B-50A-L5.5-CHIP)	9,391.10	611.18
11 11 36 13-0056	EA	Dual Port, Electric Vehicle Charging Station, 80 Amperes, Pedestal Mount, 18' Cable (ChargePoint CP6621B-80A-L5.5)	11,890.28	611.18
11 11 36 13-0057	EA	Dual Port, Electric Vehicle Charging Station, 80 Amperes, Pedestal Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6621B-80A-L5.5-CHIP)	12,282.81	611.18
11 11 36 13-0058	EA	Single Port, Electric Vehicle Charging Station, 50 Amperes, Wall Mount, 18' Cable (ChargePoint CP6613B-50A-L5.5)	6,145.33	305.02
11 11 36 13-0059	EA	Single Port, Electric Vehicle Charging Station, 50 Amperes, Wall Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6613B-50A-L5.5-CHIP)	6,464.55	305.02
11 11 36 13-0060	EA	Single Port, Electric Vehicle Charging Station, 80 Amperes, Wall Mount, 18' Cable (ChargePoint CP6613B-80A-L5.5)	7,420.45	305.02
11 11 36 13-0061	EA	Single Port, Electric Vehicle Charging Station, 80 Amperes, Wall Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6613B-80A-L5.5-CHIP)	7,801.48	305.02
11 11 36 13-0062	EA	Dual Port, Electric Vehicle Charging Station, 50 Amperes, Wall Mount, 18' Cable (ChargePoint CP6623B-50A-L5.5)	8,372.36	381.85
11 11 36 13-0063	EA	Dual Port, Electric Vehicle Charging Station, 50 Amperes, Wall Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6623B-50A-L5.5-CHIP)	8,703.10	381.85
11 11 36 13-0064	EA	Dual Port, Electric Vehicle Charging Station, 80 Amperes, Wall Mount, 18' Cable (ChargePoint CP6623B-80A-L5.5)	11,202.28	381.85
11 11 36 13-0065	EA	Dual Port, Electric Vehicle Charging Station, 80 Amperes, Wall Mount, 18' Cable, EMV Chip Reader (ChargePoint CP6623B-80A-L5.5-CHIP)	11,594.81	381.85

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001 Parking Ticket Dispensers *(11 12 16)*

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	12,327.64	244.40
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	16,586.82	244.40

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001 Parking Meters *(11 12 23)*

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	235.78	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

11 12 26 13-0001 Parking Fee Collection Equipment *(11 12 26 13)*

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,931.37	82.83

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001 Barrier Parking Gate Operators *(11 12 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0002		**Barrier Parking Gate Operators** *(11 12 33 13-0001)* Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,607.49	677.39
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,582.39	677.39
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,900.31	677.39
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	11,078.95	677.39
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,177.67	677.39
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,679.63	677.39
11 12 33 13-0009		**Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes** *(11 12 33 13-0001)* Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,558.13	1,354.78
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	26,342.84	1,354.78
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,746.37	1,354.78
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	26,531.08	1,354.78
11 12 33 13-0014		**Barrier Parking Gate Operator Accessories** *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	257.19	24.02
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	232.09	24.02
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	550.01	24.02
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	832.36	24.02
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	759.16	24.02
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	759.16	24.02
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	926.48	24.02
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	758.78	144.10
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	758.78	144.10
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	753.48	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,803.93	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	1,311.79	48.04
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		**Tire Shredding Traffic Control Spikes** *(11 12 36)*		
11 12 36 00-0002		**Flush Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	3,207.82	384.26
11 12 36 00-0004		**Surface Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,839.24	192.12
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	4,166.02	192.12
11 12 36 00-0007		**Warning Signs And Signals For Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	2,591.18	72.04
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	2,095.41	96.06
11 13		**Loading Dock Equipment** *(11 10)* Note: Includes all anchor bolts, drilling and fasteners.		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		**Laminated Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0002		**4-1/2" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.40	28.63
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.83	28.63
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.98	28.63
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	156.65	28.63
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	168.46	28.63
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.57	28.63
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.98	28.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	298.43	28.63
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.51	28.63
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.57	28.63
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	229.69	28.63
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	258.15	28.63
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	350.53	28.63
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	213.07	28.63
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.16	28.63
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	316.65	28.63
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	194.49	28.63
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	206.16	28.63
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	234.29	28.63
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	277.13	28.63
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	371.92	28.63
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	220.39	28.63
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	229.98	28.63
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	268.02	28.63
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	324.76	28.63
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	483.65	28.63
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	277.29	28.63
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	315.33	28.63
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	320.40	28.63
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	82.91	28.63
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	87.61	28.63
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	93.88	28.63
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	100.14	28.63
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.48	28.63
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	127.24	28.63
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	132.93	28.63
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	145.89	28.63
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	127.30	28.63
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	153.93	28.63
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	175.86	28.63
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	217.71	28.63
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	110.77	28.63
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	98.67	28.63
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	126.28	28.63
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	154.12	28.63
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	160.69	28.63
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	123.11	28.63
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	155.22	28.63
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	221.33	28.63
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	132.72	28.63
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	191.44	28.63
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	190.87	28.63
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	281.34	28.63
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	181.82	28.63
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	170.45	28.63
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	105.48	28.63
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	106.68	28.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	107.87	28.63
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	110.27	28.63
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	112.67	28.63
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	115.10	28.63
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	117.53	28.63
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	120.03	28.63
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	122.53	28.63
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	124.92	28.63
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	127.32	28.63
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	132.18	28.63
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.73	28.63
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.93	28.63
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.13	28.63
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.56	28.63
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.99	28.63
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.39	28.63
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.78	28.63
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.21	28.63
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.65	28.63
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.04	28.63
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.51	28.63
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.30	28.63
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.32	28.63
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.55	28.63
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.79	28.63
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.18	28.63
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.58	28.63
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.01	28.63
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.44	28.63
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.84	28.63
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.24	28.63
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.67	28.63
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	149.10	28.63
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	154.03	28.63
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	99.13	28.63
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	101.01	28.63
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	105.18	28.63
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.29	28.63
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	113.52	28.63
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	117.63	28.63
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	121.79	28.63
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.60	28.63
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	114.54	28.63
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.71	28.63
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.88	28.63
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.99	28.63
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.16	28.63
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	135.27	28.63
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.91	28.63
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.79	28.63
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.02	28.63
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.13	28.63
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.30	28.63
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	138.41	28.63
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	142.63	28.63
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	161.24	35.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	124.76	34.36
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	129.18	34.36
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	134.23	35.79
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	137.28	35.79

11 13 19 Stationary Loading Dock Equipment *(11 13)*

11 13 19 13 Loading Dock Levelers *(11 13 19)*

11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,686.57	1,197.36
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	10,360.05	1,330.41
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	12,656.91	1,596.49
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	10,298.83	1,330.41
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	11,178.38	1,463.44
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	13,405.60	1,729.53
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,872.40	1,197.36
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	10,558.26	1,330.41
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,842.73	1,596.49
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	10,486.42	1,330.41
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	11,355.36	1,463.44
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	13,768.41	1,729.53
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	10,349.82	1,396.93
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	11,013.07	1,596.49
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	13,399.97	1,862.57
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	11,013.07	1,596.49
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	11,841.64	1,796.05
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	14,228.53	1,929.09
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,709.27	1,463.44
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	11,375.18	1,663.01
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	12,830.79	1,929.09
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	11,374.51	1,663.01
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	12,356.74	1,862.57
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	14,800.85	1,995.61
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	11,311.00	1,463.44
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,976.91	1,663.01
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	14,403.73	1,929.09
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	11,976.24	1,663.01
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	12,958.47	1,862.57
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	15,402.58	1,995.61
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,836.02	1,463.44
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	12,512.57	1,729.53
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	14,926.09	1,995.61
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	12,512.57	1,729.53
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	13,487.48	1,929.09
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	15,914.30	2,062.13
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	7,719.51	1,197.36
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	8,412.43	1,330.41
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	10,696.99	1,596.49
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	8,340.79	1,330.41
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	9,222.58	1,463.44
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	11,644.76	1,596.49
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	9,524.52	1,330.41
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	10,188.79	1,463.44
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	11,098.17	1,729.53
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	10,188.79	1,463.44
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	11,576.17	1,596.49
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	13,615.91	1,862.57
11 13 19 13-0059		Edge Of Dock Levelers *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,606.01	434.69
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,924.43	434.69
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,878.35	434.69
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,315.48	434.69
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,824.38	434.69
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	6,140.67	434.69
11 13 19 13-0067		Manual Edge Of Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,577.63	434.69
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,769.46	434.69
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,828.12	434.69
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,971.97	434.69
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,294.10	434.69
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,711.52	434.69
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	4,018.61	434.69
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	4,062.75	434.69
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,643.48	434.69
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,917.82	434.69
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,643.83	434.69
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	20,720.90	1,448.96
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	13,653.28	1,330.41
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	22,878.38	1,330.41
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	39,704.89	2,128.65
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	43,065.58	3,059.94
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	34,259.30	1,995.61
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	39,213.41	2,394.73
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,531.54	480.37
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	12,043.78	480.37
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,403.49	480.37
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	17,020.99	120.08
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	423.04	101.83
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	527.35	101.83
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	231.15	81.47
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	450.37	135.78
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	489.38	135.78
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	439.48	135.78
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	565.37	135.78
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	661.87	135.78
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	721.01	135.78
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	768.30	135.78
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	432.83	135.78
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	470.25	135.78
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	502.18	135.78
11 14		**Pedestrian Control Equipment** *(11 10)*		
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,838.46	1,915.97
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,567.67	1,915.97
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	30,791.04	2,858.54
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	29,837.43	2,858.54
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,589.92	1,915.97
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	17,252.38	1,915.97
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	36,229.79	2,858.54
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	32,710.97	2,858.54
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,349.63	1,915.97
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,986.85	1,915.97
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	32,571.11	2,858.54
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	54,491.42	2,858.54
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	25,551.97	1,915.97
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	28,622.59	1,915.97
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	40,962.88	2,858.54
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	50,943.99	2,858.54
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	50,237.75	1,916.26
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	270.19	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	190.72	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,604.52	1,915.97
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,336.92	1,915.97
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	33,651.87	2,858.54
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	31,073.94	2,858.54
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	33,651.87	2,858.54
11 14 13 16-0035		**Powder Coated Steel** *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,352.81	1,915.97
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,288.64	1,915.97
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,805.92	2,858.54
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	33,963.38	2,858.54
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	36,547.66	2,858.54
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,670.68	1,915.97
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,656.08	1,915.97
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,940.46	1,915.97
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	34,322.57	2,858.54
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	38,102.05	2,858.54
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	56,141.17	2,858.54
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	27,157.21	1,915.97
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,032.64	1,915.97
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,926.12	2,858.54
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,394.77	2,858.54
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	58,795.38	2,858.54
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	45,860.68	1,916.26
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	48,518.07	1,916.26
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,678.30	1,916.26
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,650.24	2,858.54
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	86,767.94	2,858.54
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,710.71	1,915.97
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	17,493.96	1,915.97
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	39,729.54	2,858.54
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	33,047.91	2,858.54
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	17,322.31	1,915.97
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	19,369.40	1,915.97
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	45,765.89	2,858.54
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	35,953.24	2,858.54
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,760.97	1,915.97
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,701.87	1,915.97
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	30,208.76	1,915.97
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	36,544.48	2,858.54
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	58,204.14	2,858.54
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	28,231.61	1,915.97
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	30,138.83	1,915.97
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	47,714.43	2,858.54
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	54,984.12	2,858.54
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	60,988.69	2,858.54
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	46,782.50	1,916.26
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	49,280.96	1,916.26
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	50,714.56	1,916.26
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	83,589.24	2,858.54
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	88,357.29	2,858.54
11 14 13 16-0089		Electrical Options *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,058.51	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	743.82	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	244.76	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	244.76	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	193.90	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	190.72	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	174.83	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,440.64	
11 14 13 16-0098		Relocate Rotary Gate *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	5,628.11	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		Turnstiles *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	3,031.79	540.30
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,926.83	540.30
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		Retractable Barrier *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	102.50	21.61
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	186.76	21.61
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	228.90	21.61
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	376.37	21.61

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	2,037.31	406.43
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,420.62	294.87
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	10,444.45	323.82
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	8,723.73	272.66
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,175.53	67.86
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,842.87	88.74
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	6,813.73	212.07
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	9,707.11	306.06
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	2,001.60	338.70
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,252.22	406.43
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,530.79	100.92
11 21 63 00-0020		Meat Case *(11 21 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,510.27	406.43
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,634.74	406.43
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,569.86	406.43
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,729.81	406.43
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,798.07	1,354.78
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,794.08	2,032.17
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,487.20	107.99
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	4,845.07	151.08
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	5,728.65	178.68
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	5,889.42	184.60
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,409.72	199.28
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	7,615.89	235.50
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,165.67	93.44

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		In Room Safes *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	871.97	14.32
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	816.22	14.32
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	849.67	14.32
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	950.01	14.32
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	983.45	14.32
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	1,016.90	14.32
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	649.29	17.90
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	671.58	17.90
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	693.88	17.90

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)* Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	866.14	96.06
		For Stainless Steel, Add	*168.51*	
11 30 13 13-0004	EA	24" Electric Range With Oven	904.77	96.06
		For Stainless Steel, Add	*178.16*	
11 30 13 13-0005	EA	30" Electric Range With Oven	866.65	96.06
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	1,040.75	96.06
11 30 13 13-0007		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0008	EA	20" Gas Range With Oven	962.71	96.06
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0009	EA	24" Gas Range With Oven	1,012.92	96.06
		For Stainless Steel, Add	*205.20*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,059.27	96.06
		For Stainless Steel, Add	*216.79*	
11 30 13 13-0011		Range Hoods *(11 30 13 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012		**Venting Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	296.07	72.04
		For Stainless Steel, Add	*22.80*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	273.50	72.04
		For Stainless Steel, Add	*19.41*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	269.54	72.04
		For Stainless Steel, Add	*18.82*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	273.50	72.04
		For Stainless Steel, Add	*19.41*	
11 30 13 13-0017		**Non-Ducted Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	298.99	72.04
		For Stainless Steel, Add	*23.23*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	276.49	72.04
		For Stainless Steel, Add	*19.86*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	272.51	72.04
		For Stainless Steel, Add	*19.26*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	276.49	72.04
		For Stainless Steel, Add	*19.86*	
11 30 13 13-0022		**Microwaves** *(11 30 13 13)*		
11 30 13 13-0023		**Countertop Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	182.38	12.01
		For Stainless Steel, Add	*23.76*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	217.12	12.01
		For Stainless Steel, Add	*28.97*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	222.91	12.01
		For Stainless Steel, Add	*29.84*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	273.15	12.01
		For Stainless Steel, Add	*37.37*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	292.46	12.01
		For Stainless Steel, Add	*40.27*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	311.77	12.01
		For Stainless Steel, Add	*43.16*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	331.09	12.01
		For Stainless Steel, Add	*46.06*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	350.40	12.01
		For Stainless Steel, Add	*48.96*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	371.62	12.01
		For Stainless Steel, Add	*52.14*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	637.69	96.04
		For Stainless Steel, Add	*74.04*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	721.53	96.04
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	748.55	96.04
		For Stainless Steel, Add	*90.67*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	951.33	96.04
		For Stainless Steel, Add	*121.09*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	760.15	96.04
		For Stainless Steel, Add	*92.41*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	524.14	72.03
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,445.53	96.06
		For Stainless Steel, Add	*225.61*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	714.06	48.04
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	866.65	48.04
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	965.13	48.04
		For Stainless Steel, Add	*130.36*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	1,023.06	48.04
		For Stainless Steel, Add	*139.05*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,177.57	48.04
		For Stainless Steel, Add	*162.23*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,310.85	48.04
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,409.32	48.04
		For Stainless Steel, Add	*196.99*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,401.17	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,447.74	48.04
		For Stainless Steel, Add	*202.75*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,795.58	48.04
		For Stainless Steel, Add	*254.93*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	2,027.34	48.04
		For Stainless Steel, Add	*289.69*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	237.50	24.02
		For Stainless Steel, Add	*28.42*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	324.41	24.02
		For Stainless Steel, Add	*41.46*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	673.52	48.04
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	866.65	48.04
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	924.59	48.04
		For Stainless Steel, Add	*124.28*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,059.78	48.04
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,216.19	48.04
		For Stainless Steel, Add	*168.02*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,293.47	48.04
		For Stainless Steel, Add	*179.61*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,351.39	48.04
		For Stainless Steel, Add	*188.30*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	540.24	48.04
		For Stainless Steel, Add	*66.63*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	675.43	48.04
		For Stainless Steel, Add	*86.91*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	723.73	48.04
		For Stainless Steel, Add	*94.15*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	810.62	48.04
		For Stainless Steel, Add	*107.18*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	866.65	48.04
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,059.78	48.04
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,310.85	48.04
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,351.39	48.04
		For Stainless Steel, Add	*188.30*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,505.82	96.06
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,795.51	96.06
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,215.69	96.06
		For Stainless Steel, Add	*153.54*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	810.12	96.06
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0083		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	144.10	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	288.19	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	307.40	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	144.10	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	240.16	
11 30 13 13-0089		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	35.86	
11 30 13 13-0091	EA	4" Burner Element Replacement	62.48	
11 30 13 13-0092	EA	8" Burner Element Replacement	71.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0093	EA	Burner Manifold Replacement	247.16	
11 30 13 13-0094	EA	Burner Switch Replacement	99.41	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	47.26	
11 30 13 13-0096	EA	Oven Control Replacement	118.82	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	48.60	
11 30 13 13-0098	EA	Oven Element Replacement	111.39	
11 30 13 13-0099	EA	Oven Igniter Replacement	80.15	
11 30 13 13-0100	EA	Oven Knobs Replacement	60.98	
11 30 13 13-0101		Accessories *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	18.87	3.84
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	27.87	3.84
11 30 13 13-0104		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,322.29	249.40
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,559.53	249.40
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	935.91	96.06
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,495.99	96.06
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,978.82	96.06
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	721.56	96.06
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	916.60	96.06
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,129.04	96.06
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,283.55	96.06
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	858.66	96.06
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,051.79	96.06
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,244.71	96.06
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,418.74	96.06
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	940.50	286.44
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	958.17	286.44
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	958.17	286.44
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	975.41	286.44
11 30 33 00-0007		350 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,101.83	286.44
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,137.56	286.44
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,122.87	286.44
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,157.02	286.44
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,143.28	286.44
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,202.30	286.44
11 30 33 00-0014		400 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,183.55	286.44
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,258.16	286.44
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,332.78	286.44
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,382.52	286.44
11 30 33 00-0019		600 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,556.63	286.44
		For Ladder Width 18 7/8" Wide, Add	*276.08*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,606.37	286.44
		For Ladder Width 18 7/8" Wide, Add	*283.54*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,631.24	286.44
		For Ladder Width 18 7/8" Wide, Add	*287.27*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,705.86	286.44
		For Ladder Width 18 7/8" Wide, Add	*298.46*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,876.95	286.44
		For Ladder Width 18 7/8" Wide, Add	*313.39*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,001.31	286.44
		For Ladder Width 18 7/8" Wide, Add	*332.04*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,125.67	286.44
		For Ladder Width 18 7/8" Wide, Add	*350.70*	

11 30 33 00-0027 800 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*

Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.

11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,717.48	286.44
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,767.22	286.44
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,816.96	286.44
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,941.32	286.44
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,087.55	286.44
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,162.17	286.44
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,286.53	286.44
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,532.24	286.44
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,756.09	286.44
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,029.68	286.44
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,278.40	286.44

11 30 33 00-0039 300 Lb. Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	819.99	286.44
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	842.99	286.44
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	826.40	286.44
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	849.38	286.44
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	977.40	286.44

11 30 33 00-0045 300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	804.43	286.44
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	829.01	286.44

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,809.68	677.04
		For Gas Unit, Add	*286.04*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,355.08	473.93
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,145.60	406.22
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	725.71	429.45
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,410.75	286.30
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	84.58	19.21
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.37	19.21

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,257.15	744.75
		For Gas Unit, Add	*339.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,917.20	609.34
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	906.40	243.35
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,631.69	322.09
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	101.18	19.21
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	85.02	19.21
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,389.21	947.86
		For Gas Unit, Add	*468.81*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,115.73	143.15
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,814.37	357.87
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	117.51	19.21
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.66	19.21
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,623.36	1,015.56
		For Gas Unit, Add	*490.39*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,332.95	357.87
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	124.43	19.21
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.66	19.21
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,956.27	1,083.27
		For Gas Unit, Add	*526.79*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,624.22	429.45
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	144.96	24.01
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	93.03	24.01

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001		Frozen Food Cases *(11 41 13)*		
11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,559.34	406.43
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,916.44	406.43
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,795.70	406.43
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,802.05	406.43
11 41 13 00-0006		Reach-In Refrigerators *(11 41 13)*		
11 41 13 00-0007	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,499.76	190.92
11 41 13 00-0008	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	10,464.32	240.80
11 41 13 00-0009	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	14,033.83	266.03
11 41 13 00-0010	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,291.80	190.92
11 41 13 00-0011	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,187.22	240.80
11 41 13 00-0012	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,900.09	266.03
11 41 13 00-0013	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	10,246.79	190.92
11 41 13 00-0014	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	13,877.61	240.80
11 41 13 00-0015	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,555.20	190.92
11 41 13 00-0016	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	12,334.13	240.80
11 41 13 00-0017		Reach-In Freezers *(11 41 13)*		
11 41 13 00-0018	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	9,582.92	191.15
11 41 13 00-0019	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	12,719.37	240.45

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,308.86	1,728.95
		For Refrigerated Boxes Without Floor, Deduct	*-4,500.80*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,351.18	1,945.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,439.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,719.46	2,161.19
		For Refrigerated Boxes Without Floor, Deduct	*-5,709.47*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,984.55	2,593.43
		For Refrigerated Boxes Without Floor, Deduct	*-6,382.12*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,412.14	3,025.67
		For Refrigerated Boxes Without Floor, Deduct	*-7,345.02*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,856.69	3,457.91
		For Refrigerated Boxes Without Floor, Deduct	*-8,061.33*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,235.98	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-8,762.28*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,822.23	2,161.19
		For Refrigerated Boxes Without Floor, Deduct	*-5,985.16*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,347.40	2,377.32
		For Refrigerated Boxes Without Floor, Deduct	*-6,544.63*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,979.04	2,809.56
		For Refrigerated Boxes Without Floor, Deduct	*-7,307.83*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,864.50	3,241.79
		For Refrigerated Boxes Without Floor, Deduct	*-8,385.53*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,563.03	3,674.03
		For Refrigerated Boxes Without Floor, Deduct	*-9,166.52*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,388.92	4,106.27
		For Refrigerated Boxes Without Floor, Deduct	*-9,978.23*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,084.99	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-10,759.22*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,896.98	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-11,566.89*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,611.66	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-12,351.92*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,337.39	2,593.43
		For Refrigerated Boxes Without Floor, Deduct	*-7,470.33*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,334.88	3,025.67
		For Refrigerated Boxes Without Floor, Deduct	*-8,325.70*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,519.98	3,457.91
		For Refrigerated Boxes Without Floor, Deduct	*-9,227.15*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,455.51	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-10,067.16*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,710.14	4,322.39
		For Refrigerated Boxes Without Floor, Deduct	*-10,988.02*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,639.95	4,754.63
		For Refrigerated Boxes Without Floor, Deduct	*-11,823.98*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,910.89	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-12,749.69*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,826.21	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-13,584.85*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,086.97	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-14,505.70*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,027.62	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-15,345.71*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,576.21	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-16,267.38*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,767.29	7,780.30
		For Refrigerated Boxes Without Floor, Deduct	*-17,102.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,308.62	3,241.79
		For Refrigerated Boxes Without Floor, Deduct	*-9,246.56*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,977.32	3,674.03
		For Refrigerated Boxes Without Floor, Deduct	*-10,270.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,239.78	4,106.27
		For Refrigerated Boxes Without Floor, Deduct	*-11,190.95*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,886.63	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-12,209.63*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,170.77	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-13,135.34*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,816.81	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-14,153.21*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,070.33	5,835.23
		For Refrigerated Boxes Without Floor, Deduct	*-15,074.06*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,745.52	6,267.47
		For Refrigerated Boxes Without Floor, Deduct	*-16,097.60*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,154.46	6,807.76
		For Refrigerated Boxes Without Floor, Deduct	*-17,018.45*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,092.67	7,456.12
		For Refrigerated Boxes Without Floor, Deduct	*-18,037.13*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,657.33	8,104.48
		For Refrigerated Boxes Without Floor, Deduct	*-18,962.84*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,583.97	8,752.84
		For Refrigerated Boxes Without Floor, Deduct	*-19,980.71*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,122.85	9,401.20
		For Refrigerated Boxes Without Floor, Deduct	*-20,901.57*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,743.30	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-12,389.11*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,987.51	4,322.39
		For Refrigerated Boxes Without Floor, Deduct	*-13,557.36*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,683.03	4,754.63
		For Refrigerated Boxes Without Floor, Deduct	*-14,834.75*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,927.38	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-16,003.81*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,592.24	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-17,276.36*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,865.22	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-18,450.27*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,536.00	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-19,722.81*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,074.18	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-20,891.87*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,034.21	7,780.30
		For Refrigerated Boxes Without Floor, Deduct	*-22,169.26*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,606.27	8,428.66
		For Refrigerated Boxes Without Floor, Deduct	*-23,337.51*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	110,539.68	9,077.01
		For Refrigerated Boxes Without Floor, Deduct	*-24,610.86*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,103.02	9,617.31
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.97*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,755.80	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-14,926.92*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,863.86	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-16,308.61*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,764.66	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-17,640.17*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,880.92	5,835.23
		For Refrigerated Boxes Without Floor, Deduct	*-19,026.71*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,788.23	6,267.47
		For Refrigerated Boxes Without Floor, Deduct	*-20,358.27*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,040.49	6,807.76
		For Refrigerated Boxes Without Floor, Deduct	*-21,739.96*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,249.63	7,456.12
		For Refrigerated Boxes Without Floor, Deduct	*-23,076.37*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	108,638.22	8,104.48
		For Refrigerated Boxes Without Floor, Deduct	*-24,458.06*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	114,819.62	8,752.84
		For Refrigerated Boxes Without Floor, Deduct	*-25,789.63*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	121,221.22	9,401.20
		For Refrigerated Boxes Without Floor, Deduct	*-27,176.16*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,052.40	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-17,535.07*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,331.71	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-18,961.22*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,959.70	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-20,473.89*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,228.75	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-21,896.00*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,157.51	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-23,412.70*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,696.41	7,780.30
		For Refrigerated Boxes Without Floor, Deduct	*-24,834.81*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,646.11	8,428.66
		For Refrigerated Boxes Without Floor, Deduct	*-26,347.47*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	123,190.74	9,077.01
		For Refrigerated Boxes Without Floor, Deduct	*-27,773.63*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	130,112.32	9,725.38
		For Refrigerated Boxes Without Floor, Deduct	*-29,286.29*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	136,928.34	10,517.81
		For Refrigerated Boxes Without Floor, Deduct	*-30,708.40*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,479.53	1,728.95
		For Refrigerated Boxes Without Floor, Deduct	*-4,793.46*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,803.92	1,945.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,552.62*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,207.06	2,161.19
		For Refrigerated Boxes Without Floor, Deduct	*-6,081.37*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,692.05	2,593.43
		For Refrigerated Boxes Without Floor, Deduct	*-6,809.00*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,216.66	3,025.67
		For Refrigerated Boxes Without Floor, Deduct	*-7,796.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,881.11	3,457.91
		For Refrigerated Boxes Without Floor, Deduct	*-8,567.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,357.42	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-9,292.64*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,432.71	2,161.19
		For Refrigerated Boxes Without Floor, Deduct	*-6,387.78*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,054.91	2,377.32
		For Refrigerated Boxes Without Floor, Deduct	*-6,971.50*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,906.45	2,809.56
		For Refrigerated Boxes Without Floor, Deduct	*-7,789.68*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,888.93	3,241.79
		For Refrigerated Boxes Without Floor, Deduct	*-8,891.64*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,807.37	3,674.03
		For Refrigerated Boxes Without Floor, Deduct	*-9,727.60*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,730.27	4,106.27
		For Refrigerated Boxes Without Floor, Deduct	*-10,563.57*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,646.25	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-11,399.53*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,555.25	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-12,231.46*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,489.84	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-13,071.47*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,141.91	2,593.43
		For Refrigerated Boxes Without Floor, Deduct	*-7,921.46*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,359.30	3,025.67
		For Refrigerated Boxes Without Floor, Deduct	*-8,831.81*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,641.43	3,457.91
		For Refrigerated Boxes Without Floor, Deduct	*-9,757.52*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,796.86	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-10,652.50*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,148.51	4,322.39
		For Refrigerated Boxes Without Floor, Deduct	*-11,597.61*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,298.23	4,754.63
		For Refrigerated Boxes Without Floor, Deduct	*-12,488.55*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,666.18	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-13,438.51*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,801.41	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-14,328.65*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,159.19	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-15,273.76*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,319.74	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-16,168.74*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,965.35	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-17,114.66*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,376.34	7,672.23
		For Refrigerated Boxes Without Floor, Deduct	*-18,004.80*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,552.95	3,241.79
		For Refrigerated Boxes Without Floor, Deduct	*-9,807.64*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,318.67	3,674.03
		For Refrigerated Boxes Without Floor, Deduct	*-10,855.43*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,801.04	4,106.27
		For Refrigerated Boxes Without Floor, Deduct	*-11,831.26*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,544.90	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-12,874.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,048.95	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-13,854.88*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,792.01	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-14,897.01*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,265.44	5,835.23
		For Refrigerated Boxes Without Floor, Deduct	*-15,872.84*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,037.64	6,267.47
		For Refrigerated Boxes Without Floor, Deduct	*-16,920.63*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,666.48	6,807.76
		For Refrigerated Boxes Without Floor, Deduct	*-17,896.46*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,701.72	7,456.12
		For Refrigerated Boxes Without Floor, Deduct	*-18,939.40*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,486.28	8,104.48
		For Refrigerated Boxes Without Floor, Deduct	*-19,920.08*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	95,509.94	8,752.84
		For Refrigerated Boxes Without Floor, Deduct	*-20,962.21*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,268.72	9,401.20
		For Refrigerated Boxes Without Floor, Deduct	*-21,938.04*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,181.66	3,890.15
		For Refrigerated Boxes Without Floor, Deduct	*-12,998.70*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,645.78	4,322.39
		For Refrigerated Boxes Without Floor, Deduct	*-14,221.93*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,438.33	4,754.63
		For Refrigerated Boxes Without Floor, Deduct	*-15,523.58*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,902.58	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-16,747.61*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,664.46	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-18,044.41*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,157.34	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-19,273.30*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,925.14	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-20,570.09*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,683.22	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-21,794.13*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,740.27	7,780.30
		For Refrigerated Boxes Without Floor, Deduct	*-23,095.78*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	108,532.23	8,428.66
		For Refrigerated Boxes Without Floor, Deduct	*-24,319.00*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	114,562.67	9,077.01
		For Refrigerated Boxes Without Floor, Deduct	*-25,616.61*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,345.91	9,725.38
		For Refrigerated Boxes Without Floor, Deduct	*-26,844.69*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,633.98	4,538.51
		For Refrigerated Boxes Without Floor, Deduct	*-15,646.47*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,839.06	4,970.75
		For Refrigerated Boxes Without Floor, Deduct	*-17,052.41*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,959.77	5,402.99
		For Refrigerated Boxes Without Floor, Deduct	*-18,438.95*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,173.04	5,835.23
		For Refrigerated Boxes Without Floor, Deduct	*-19,849.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,300.25	6,267.47
		For Refrigerated Boxes Without Floor, Deduct	*-21,236.28*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,649.53	6,807.76
		For Refrigerated Boxes Without Floor, Deduct	*-22,642.22*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,078.58	7,456.12
		For Refrigerated Boxes Without Floor, Deduct	*-24,033.61*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,564.18	8,104.48
		For Refrigerated Boxes Without Floor, Deduct	*-25,439.55*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,965.49	8,752.84
		For Refrigerated Boxes Without Floor, Deduct	*-26,826.09*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	125,464.11	9,401.20
		For Refrigerated Boxes Without Floor, Deduct	*-28,236.89*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,124.62	5,186.86
		For Refrigerated Boxes Without Floor, Deduct	*-18,303.12*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,623.83	5,619.10
		For Refrigerated Boxes Without Floor, Deduct	*-19,784.25*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,348.83	6,051.34
		For Refrigerated Boxes Without Floor, Deduct	*-21,321.17*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,837.80	6,483.58
		For Refrigerated Boxes Without Floor, Deduct	*-22,798.26*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,863.57	7,131.94
		For Refrigerated Boxes Without Floor, Deduct	*-24,339.22*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,622.37	7,780.30
		For Refrigerated Boxes Without Floor, Deduct	*-25,816.30*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,669.10	8,428.66
		For Refrigerated Boxes Without Floor, Deduct	*-27,353.22*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	127,433.63	9,077.01
		For Refrigerated Boxes Without Floor, Deduct	*-28,834.35*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	134,452.22	9,725.38
		For Refrigerated Boxes Without Floor, Deduct	*-30,371.27*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	141,488.16	10,517.81
		For Refrigerated Boxes Without Floor, Deduct	*-31,848.36*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.37
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.55
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.58
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	25.22
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.99
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	4.07
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	10.01
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.94
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.58
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-18.26
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.61
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.75
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	17.31
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	56.11

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,673.98	187.06
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,985.52	218.23
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,897.43	249.40
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,435.50	280.57
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,190.28	311.76
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,197.05	374.10
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,519.13	436.46
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,419.65	498.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0182		**208/230 Volt, 3 Phase** *(11 41 23 00-0172)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,907.34	249.40
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,435.50	280.57
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,279.49	311.76
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,090.86	374.10
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,519.13	436.46
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,296.46	498.80
11 41 23 00-0189		**Medium Temperature Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190		**208/230 Volt, 1 Phase** *(11 41 23 00-0189)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,089.83	187.06
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,603.50	218.23
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,462.13	249.40
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,732.57	280.57
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,226.42	311.76
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,230.36	374.10
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,003.66	436.46
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,772.53	498.80
11 41 23 00-0199		**208/230 Volt, 3 Phase** *(11 41 23 00-0189)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,418.86	249.40
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,750.11	280.57
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,317.63	311.76
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,143.84	374.10
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,030.56	436.46
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,664.95	498.80
11 41 23 00-0206		**Low Temperature Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		**208/230 Volt, 1 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,454.17	187.06
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,684.99	218.23
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,996.55	249.40
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,466.65	280.57
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,120.90	311.76
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,586.44	374.10
11 41 23 00-0214		**208/230 Volt, 3 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,006.46	249.40
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,466.65	280.57
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,212.94	311.76
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,484.49	374.10
11 41 23 00-0219		**Low Temperature Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		**208/230 Volt, 1 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,996.02	187.06
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,085.24	218.23
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,414.19	249.40
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,952.39	280.57
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,585.39	311.76
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,537.88	374.10
11 41 23 00-0227		**208/230 Volt, 3 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,625.83	249.40
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,056.46	280.57
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,669.58	311.76
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,452.53	374.10

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CSI		MINOR UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0232		**Medium Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		**208/230 Volt, 1 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,326.46	249.40
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,800.92	498.80
11 41 23 00-0236		**208/230 Volt, 3 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,332.13	249.40
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,155.61	311.76
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,684.51	374.10
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,570.12	498.80
11 41 23 00-0241		**Medium Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		**208/230 Volt, 1 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,726.39	249.40
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,593.47	498.80
11 41 23 00-0245		**208/230 Volt, 3 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,738.08	249.40
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,954.89	311.76
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,447.05	374.10
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,992.72	498.80
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,507.65	218.23
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,014.61	249.40
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,409.32	280.57
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,906.06	311.76
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,796.03	374.10
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,468.01	218.23
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,008.95	249.40
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,355.51	280.57
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,812.60	311.76
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,299.03	374.10
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,627.49	436.46
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,608.73	561.16
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,322.63	654.68
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,910.75	218.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,245.55	249.40
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,430.36	280.57
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,685.42	311.76
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,132.25	374.10
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,807.86	218.23
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,250.22	249.40
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,412.83	280.57
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,598.89	311.76
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,761.59	374.10
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,143.55	436.46
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,100.17	561.16
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	25,464.32	654.68
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)*		
		See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door	1,546.60	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA	Super Door Package, For 48" Door	2,157.81	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA	Super Door Package, For 60" Door	2,157.81	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,544.54	
11 41 23 00-0288	EA	Heated Air Vent, Kason	846.73	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally	2,156.47	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,216.29	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,523.52	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,879.25	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,256.54	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,369.01	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,369.01	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	247.12	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,401.62	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,180.27	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,345.20	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,563.32	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	855.09	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	984.45	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	984.45	
11 41 23 00-0304	EA	Locking Devices, Cooler, Mortise Dead Bolt	1,799.39	
11 41 23 00-0305	EA	Locking Devices, Freezer, Mortise Dead Bolt	2,226.27	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,617.30	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,824.27	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,934.22	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	177.87	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	145.53	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	449.51	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	242.54	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	553.45	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	398.22	
11 41 23 00-0315	EA	4" Screed Door	982.56	
11 41 23 00-0316	EA	Doors Cut For Tile	1,215.40	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,215.40	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,926.14	
11 41 23 00-0319	EA	57-1/2" Door Section	733.55	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	677.23	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	342.21	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	637.97	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	819.07	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	85.19	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	111.87	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	164.42	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	265.48	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	45.68	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	13.68	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	56.59	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	22.23	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	87.32	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	113.01	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	53.67	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.79	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	66.67	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	127.40	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	155.65	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	694.71	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	620.33	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,078.82	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	193.45	
11 41 23 00-0343	LF	Extra Capillary Tubing	27.50	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,504.46	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*368.02*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,177.84	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*401.33*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,411.42	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*412.65*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,097.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*446.60*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,904.45	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*436.58*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,574.61	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.73*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,775.84	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*479.43*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,730.58	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.80*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,304.45	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*505.14*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,977.84	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.45*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,227.58	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*550.57*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,904.21	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,729.24	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*674.94*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,196.52	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*402.62*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,766.42	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*430.76*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,042.03	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*444.18*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,802.74	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*481.85*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,570.63	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.89*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,328.11	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*507.40*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,606.96	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*520.98*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,364.43	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*558.50*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,132.34	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,889.80	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,168.65	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*597.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,926.13	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*635.14*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,694.01	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*623.17*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,211.27	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,508.79	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,537.90	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,913.03	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,294.63	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,566.28	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,582.45	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,332.72	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,365.78	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,407.10	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,772.53	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,895.42	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,648.92	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,379.78	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,515.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	8,016.86	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,447.35	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,631.68	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,187.91	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,650.36	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,867.03	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,814.57	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,104.10	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,163.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,299.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,371.49	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,489.39	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,279.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,309.30	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,449.11	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,514.52	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,732.66	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,396.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,410.30	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,614.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,621.98	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,872.45	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	935.94	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	981.95	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,079.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,099.84	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,256.54	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,033.69	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,108.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,174.22	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,187.89	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,406.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,137.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,180.69	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,268.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,314.76	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,539.36	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,520.15	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,811.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,867.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,924.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,536.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,645.02	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,809.10	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,110.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,235.33	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,955.72	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,858.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,120.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,421.63	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,546.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,502.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,300.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,404.56	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,524.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,635.64	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,772.94	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,550.09	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,586.40	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,755.30	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,840.11	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,106.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,693.12	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,745.60	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,937.13	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,976.68	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,275.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,096.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,152.32	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,272.71	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,296.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,488.36	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,246.10	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,334.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,528.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,510.25	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,692.83	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,372.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,425.44	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,536.13	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,588.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,868.20	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,076.15	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,438.79	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,507.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,575.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,337.83	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,230.43	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,433.74	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,808.64	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,962.92	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,859.80	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,495.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,820.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,195.80	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,350.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,541.13	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,925.36	111.80
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	5,179.43	147.59
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	5,945.01	169.20
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	3,804.90	107.94

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	365.26	8.49

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	1,064.72	25.85
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	1,234.52	29.21
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	1,467.53	35.01
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	798.03	19.12

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	3,684.37	87.25

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,511.90	59.64
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	3,366.25	79.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33		**Foodservice Shelving** *(11 41)*		
11 41 33 00-0001		Shelving/Racks *(11 41 33)*		
11 41 33 00-0002		Chrome Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0003		54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	317.09	38.70
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	333.75	39.02
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	354.41	39.34
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	367.20	39.66
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	391.72	39.98
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	412.45	40.30
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	429.12	40.62
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	466.45	41.26
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	345.54	39.02
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	358.35	39.34
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	371.16	39.66
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	407.53	39.98
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	432.12	40.30
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	464.53	40.62
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	477.25	40.93
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	522.56	41.58
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	362.30	39.34
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	390.75	39.66
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	411.49	39.98
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	435.99	40.30
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	452.75	40.62
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	493.07	40.93
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	513.69	41.26
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	566.82	41.90
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	398.74	39.66
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	415.44	39.98
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	428.16	40.30
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	460.65	40.62
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	481.28	40.93
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	521.60	41.26
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	550.06	41.58
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	618.98	42.22
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	525.67	39.98
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	589.51	40.30
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	629.91	40.62
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	721.43	40.93
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	580.63	41.26
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	640.70	41.58
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	716.34	41.90
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	838.90	42.54
11 41 33 00-0044		63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	320.96	38.70
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	337.63	39.02
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	358.27	39.34
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	371.08	39.66
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	395.59	39.98
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	416.30	40.30
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	433.00	40.62
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	470.30	41.26
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	349.39	39.02
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	362.22	39.34
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	375.03	39.66
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	411.39	39.98
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	435.99	40.30
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	468.38	40.62
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	481.12	40.93
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	488.18	41.58
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	366.17	39.34
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	394.62	39.66
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	415.34	39.98
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.85	40.30
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	456.62	40.62
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.92	40.93
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	517.57	41.26
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	570.69	41.90
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	402.61	39.66
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	419.30	39.98
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	432.04	40.30
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	464.53	40.62
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	485.16	40.93
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	525.46	41.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	553.91	41.58
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	622.85	42.22
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	529.52	39.98
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	593.39	40.30
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	633.77	40.62
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	725.28	40.93
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	584.48	41.26
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	644.55	41.58
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	720.26	41.90
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	842.75	42.54
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	322.98	38.70
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	339.64	39.02
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	360.28	39.34
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	373.10	39.66
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.61	39.98
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.32	40.30
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	435.01	40.62
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	472.32	41.26
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	351.43	39.02
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	364.24	39.34
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	377.05	39.66
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	413.42	39.98
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	438.01	40.30
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	470.40	40.62
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	483.14	40.93
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	528.45	41.58
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	368.19	39.34
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	396.64	39.66
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	417.36	39.98
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	441.86	40.30
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	458.64	40.62
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	498.94	40.93
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	519.59	41.26
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	572.71	41.90
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	404.63	39.66
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	421.31	39.98
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	434.05	40.30
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	466.55	40.62
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	487.17	40.93
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	527.49	41.26
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	555.93	41.58
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	624.87	42.22
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	531.54	39.98
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	595.40	40.30
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	635.80	40.62
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	727.30	40.93
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	586.50	41.26
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	646.57	41.58
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	722.25	41.90
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	844.77	42.54
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	328.85	38.70
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	345.54	39.02
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	366.17	39.34
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	378.99	39.66
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.50	39.98
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	424.21	40.30
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	440.90	40.62
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	478.21	41.26
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	357.30	39.02
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	370.13	39.34
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	382.94	39.66
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	419.30	39.98
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.88	40.30
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	476.29	40.62
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	489.03	40.93
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	534.32	41.58
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	374.08	39.34
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	402.53	39.66
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	423.25	39.98
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	447.75	40.30
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	464.53	40.62
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	504.83	40.93
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	525.46	41.26
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	578.60	41.90
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	410.52	39.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	427.20	39.98
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	439.94	40.30
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	472.42	40.62
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	493.07	40.93
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	533.36	41.26
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	561.82	41.58
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	630.76	42.22
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	537.43	39.98
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	601.29	40.30
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	641.67	40.62
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	733.19	40.93
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	592.39	41.26
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	652.46	41.58
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	728.16	41.90
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	850.66	42.54
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	344.59	38.70
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	361.25	39.02
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	381.89	39.34
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	394.70	39.66
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	419.22	39.98
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	439.94	40.30
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	456.62	40.62
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	493.95	41.26
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	373.03	39.02
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	385.84	39.34
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	398.66	39.66
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	435.03	39.98
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	459.61	40.30
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	492.03	40.62
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	504.75	40.93
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	550.06	41.58
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	389.80	39.34
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	418.25	39.66
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	438.98	39.98
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	463.47	40.30
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	480.24	40.62
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	520.56	40.93
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	541.19	41.26
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	594.31	41.90
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	426.23	39.66
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.92	39.98
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	455.66	40.30
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	488.15	40.62
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	508.78	40.93
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	549.10	41.26
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	577.54	41.58
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	646.47	42.22
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	553.15	39.98
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	617.01	40.30
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	657.41	40.62
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	748.91	40.93
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	608.11	41.26
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	668.18	41.58
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	743.90	41.90
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	866.37	42.54
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	402.66	38.70
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	423.25	39.02
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	448.83	39.34
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	464.59	39.66
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	495.00	39.98
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	520.66	40.30
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	541.27	40.62
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	587.44	41.26
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	437.97	39.02
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	453.76	39.34
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	469.53	39.66
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	514.75	39.98
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	545.24	40.30
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	585.52	40.62
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	601.18	40.93
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	657.33	41.58
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	458.71	39.34
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	494.03	39.66
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	519.70	39.98
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	550.07	40.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	570.80	40.62
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	620.95	40.93
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	646.51	41.26
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	712.43	41.90
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	504.01	39.66
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	524.63	39.98
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	540.31	40.30
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	580.69	40.62
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	606.23	40.93
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	656.37	41.26
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	691.70	41.58
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	777.39	42.22
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	662.42	39.98
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	742.00	40.30
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	792.24	40.62
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	906.40	40.93
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	730.16	41.26
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	805.00	41.58
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	899.40	41.90
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,052.03	42.54
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	345.45	38.70
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	362.45	39.02
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	383.57	39.34
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	400.57	39.66
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	425.72	39.98
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	446.73	40.30
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	467.84	40.62
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	501.86	41.26
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	374.50	39.02
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	387.60	39.34
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	412.62	39.66
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	441.77	39.98
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	466.88	40.30
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	499.94	40.62
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	525.07	40.93
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	563.25	41.58
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	391.60	39.34
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	424.75	39.66
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	445.77	39.98
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	470.90	40.30
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	487.91	40.62
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	533.10	40.93
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	554.21	41.26
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	616.41	41.90
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	432.77	39.66
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	449.79	39.98
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	462.88	40.30
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	495.94	40.62
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	533.10	40.93
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	574.26	41.26
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	607.42	41.58
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	681.74	42.22
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	353.48	38.70
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	370.48	39.02
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	391.60	39.34
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	408.60	39.66
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	433.74	39.98
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	454.76	40.30
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	475.87	40.62
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	509.89	41.26
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	382.53	39.02
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	395.62	39.34
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	420.65	39.66
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	449.79	39.98
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	474.91	40.30
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.97	40.62
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	533.10	40.93
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	571.22	41.58
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	399.62	39.34
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	432.77	39.66
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	453.80	39.98
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	478.93	40.30
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	495.94	40.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	541.12	40.93
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	562.23	41.26
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	624.43	41.90
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	440.80	39.66
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	457.82	39.98
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	470.90	40.30
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	503.96	40.62
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	541.12	40.93
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	582.29	41.26
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	615.45	41.58
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	689.77	42.22
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	361.50	38.70
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	378.50	39.02
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	399.62	39.34
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	416.63	39.66
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	441.77	39.98
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	462.78	40.30
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.89	40.62
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	517.91	41.26
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	390.55	39.02
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	403.65	39.34
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.67	39.66
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.82	39.98
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	482.93	40.30
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	515.99	40.62
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	541.12	40.93
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	579.25	41.58
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	407.65	39.34
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	440.80	39.66
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	461.82	39.98
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.95	40.30
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	503.96	40.62
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	549.15	40.93
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	570.26	41.26
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	632.46	41.90
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	448.82	39.66
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	465.84	39.98
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	478.93	40.30
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	511.99	40.62
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	549.15	40.93
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	590.31	41.26
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	623.47	41.58
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	697.79	42.22
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	381.65	38.70
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	398.65	39.02
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	419.77	39.34
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	436.77	39.66
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	461.92	39.98
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	482.93	40.30
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	504.04	40.62
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	538.06	41.26
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	410.70	39.02
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	423.80	39.34
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	448.82	39.66
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	477.97	39.98
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	503.08	40.30
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	536.14	40.62
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	561.27	40.93
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	599.40	41.58
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.80	39.34
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	460.95	39.66
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	481.97	39.98
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	507.10	40.30
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	524.11	40.62
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	569.30	40.93
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	590.41	41.26
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	652.61	41.90
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	468.97	39.66
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	485.99	39.98
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	499.08	40.30
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	532.14	40.62
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	569.30	40.93
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	610.46	41.26
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	643.62	41.58
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	717.94	42.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	641.85	39.66
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	704.14	40.30
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	786.48	40.93
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	836.65	41.58
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	700.06	40.30
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	806.56	40.93
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	888.90	41.58
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,011.46	42.22
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	649.88	39.66
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	712.18	40.30
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	794.51	40.93
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	844.68	41.58
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	708.08	40.30
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	814.58	40.93
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	896.93	41.58
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,019.48	42.22
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	657.91	39.66
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	720.21	40.30
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	802.56	40.93
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	852.70	41.58
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	716.11	40.30
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	822.61	40.93
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	904.96	41.58
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,027.53	42.22
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	678.06	39.66
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	740.34	40.30
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	822.69	40.93
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	872.85	41.58
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	736.26	40.30
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	842.76	40.93
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	925.11	41.58
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,047.66	42.22
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	656.59	39.66
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	759.99	40.30
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	890.51	40.93
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,027.18	41.58
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	768.61	40.30
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	887.12	40.93
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,042.30	41.58
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,247.11	42.22
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	678.18	39.66
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	781.58	40.30
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	915.17	40.93
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,048.76	41.58
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	790.20	40.30
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	908.70	40.93
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,063.88	41.58
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,268.70	42.22
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	699.76	39.66
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	803.16	40.30
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	936.75	40.93
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,070.35	41.58
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	811.78	40.30
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	930.29	40.93
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,085.47	41.58
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,290.28	42.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,337.60	39.66
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,478.12	40.30
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,664.62	40.93
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,777.30	41.58
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,600.86	40.30
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,884.28	40.93
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,091.02	41.58
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,400.14	42.22
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,377.80	39.66
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,520.76	40.30
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,710.56	40.93
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,825.15	41.58
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,641.08	40.30
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,924.49	40.93
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,133.49	41.58
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,446.08	42.22
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,418.02	39.66
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,560.20	40.30
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,749.01	40.93
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,863.06	41.58
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,681.29	40.30
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,964.71	40.93
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,172.42	41.58
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,482.99	42.22
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	280.79	28.52
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	296.00	29.32
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	313.35	30.11
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	345.65	30.91
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	373.69	31.70
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	302.14	28.52
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	330.18	29.32
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	347.53	30.11
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	377.69	30.91
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	412.13	31.70
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	758.50	30.11
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	951.67	30.91
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,610.39	31.70
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	829.92	30.11
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,034.38	30.91
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,756.36	31.70
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	3,138.30	48.03
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,276.87	48.03

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		**Vertical Cutter Mixers** *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	18,484.70	258.00
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	21,363.89	286.67
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	26,496.26	412.81
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	29,554.96	516.01
11 42 13 00-0006		**Choppers** *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	4,533.04	229.34
11 42 13 00-0008	EA	Choppers, 16 Lb.	6,661.89	298.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	10,863.23	326.00
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	12,351.76	326.00
11 42 13 00-0011		**Stand Model Mixer** *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,429.12	113.97
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,772.80	113.97
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,646.00	113.97
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,771.16	108.94
11 42 13 00-0016		**Floor Model Mixer** *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,663.06	113.97
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	5,063.16	126.66
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,703.47	142.47
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,573.93	108.94
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,803.87	111.80
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	29,043.46	114.67
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,890.77	143.34
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,940.75	183.47
11 42 13 00-0025		**Slicers** *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	778.42	35.62
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,130.61	35.62
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,625.64	35.62
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,757.15	35.62
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	3,040.02	35.62
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,228.12	35.62
11 42 13 00-0032		**Peelers** *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,862.37	186.34
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,461.91	217.30
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,911.16	248.48
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,163.40	186.34
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,479.20	217.30
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,292.07	248.48
11 42 13 00-0039		**Proof Boxes** *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,337.99	87.25
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,585.50	146.23
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,377.99	66.38
11 42 13 00-0043		**Non-Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,514.13	83.62
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,769.98	89.40
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,490.33	82.94
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,699.25	87.92
11 42 13 00-0048		**Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	5,744.60	163.76
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	6,003.19	171.21
11 42 13 00-0051		**Pass-Thru Hot Food Holding Cabinet** *(11 42 13)*		
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,962.19	240.80
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,471.23	240.80
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,817.48	252.27
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,857.32	252.27
11 42 16		**Food Preparation Surfaces** *(11 42)*		
11 42 16 00-0001		**Tables** *(11 42 16)*		
11 42 16 00-0002		**Baker's Table** *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	958.46	73.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,881.12	143.15
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,321.01	176.65
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,489.46	189.68
11 42 16 00-0007	EA	10' Bins Baker's Table	3,662.67	279.14
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,751.40	438.18
11 42 16 00-0009		Preparation Table, Stainless Steel, With Under Shelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,231.42	38.51
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,328.28	46.24
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	2,005.92	62.85
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,296.62	40.51
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,666.52	52.10
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,431.53	44.81
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,723.11	53.97
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	348.09	10.88
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,237.17	34.50
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,755.17	41.37
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,483.82	46.52
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,650.06	83.03
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,149.52	67.28
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	178.41	5.58
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	261.02	8.16
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,210.68	136.67
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,366.43	272.66
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	316.28	26.70
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	405.34	52.00

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001		Stainless Steel Scullery Sinks *(11 42 23)*		
		Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	3,210.76	218.23
		For Additional Drain Board, Add	*296.14*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	4,578.98	249.40
		For Additional Drain Board, Add	*426.72*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	6,091.65	249.40
		For Additional Drain Board, Add	*571.76*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	8,694.79	249.40
		For Additional Drain Board, Add	*819.60*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	5,364.79	249.40
11 42 23 00-0007	EA	96" Wide, Double 24" x 24" x 14" Compartment, 14 Gauge, Stainless Steel Scullery Sink (Elkay WNSF8248)	7,122.50	249.40
		For Additional Drain Board, Add	*681.08*	

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001		Range *(11 44 13)*		
11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	2,951.18	114.67
11 44 13 00-0003	EA	Range With Fry Top	2,951.18	114.67
11 44 13 00-0004	EA	Steel Finish Fry Top	6,296.83	164.14
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,293.82	162.25
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,272.86	188.91
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L)	6,567.63	168.31
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.		
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,931.57	96.06

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001		Bake Oven *(11 44 16)*		
11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,827.99	495.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,827.99	495.39
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,530.97	495.39
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,530.97	495.39
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	42,125.22	566.16
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	42,125.22	566.16
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,543.26	566.16
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,543.26	566.16
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,920.76	707.70
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,920.76	707.70
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	94,044.39	707.70
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	94,044.39	707.70

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	10,005.42	24.01
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,936.06	24.01
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,674.94	24.01
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	7,129.59	24.01
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	7,420.43	24.01
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	7,420.43	24.01
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	7,420.43	24.01
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	7,420.43	24.01
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	7,420.43	24.01
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	13,808.08	24.01
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,801.60	24.01
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,836.34	24.01
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,587.29	24.01
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	6,076.05	24.01
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	14,532.16	24.01
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,972.97	24.01
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	9,072.56	24.01
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,262.41	24.01
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,262.41	24.01
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	18,938.23	24.01
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	18,938.23	24.01
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	10,040.42	24.01
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	10,005.42	24.01
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	12,205.43	24.01
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	10,631.75	24.01
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,879.60	24.01
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	12,457.66	24.01
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	11,030.00	24.01
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	13,409.83	24.01
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	14,007.20	24.01
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	10,583.48	24.01
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	10,161.10	24.01
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	10,161.10	24.01
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,704.16	24.01
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,704.16	24.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	11,632.20	24.01
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,585.71	24.01
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,585.71	24.01
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,237.39	24.01
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,237.39	24.01
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	14,609.40	24.01
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,981.73	24.01
11 44 16 00-0057		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,748.28	200.67
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	42,237.84	229.34
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,894.44	229.34
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	84,205.84	286.67
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	63,930.09	286.67
11 44 16 00-0063		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,189.21	183.47
11 44 16 00-0065	EA	Conveyor Broiler	7,282.05	212.94
11 44 16 00-0066		**Oven Stands** *(11 44 16)*		
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	2,043.49	
11 44 16 00-0068		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	248.57	12.01
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	401.17	12.01
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	472.24	12.01
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	606.98	12.01
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,101.02	12.01
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,280.68	12.01
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	221.62	12.01
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	365.34	12.01
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,037.29	12.01
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	943.96	12.01
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,282.29	12.01
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,077.52	12.01
11 44 16 00-0081		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,550.21	48.04
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	9,024.86	96.06
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	9,024.86	96.06
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	9,024.86	96.06
11 44 16 00-0086	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	9,024.86	96.06
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,897.21	96.06
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,448.61	48.04
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,448.61	48.04
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,175.14	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,448.61	48.04
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,448.61	48.04
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,350.29	96.06
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,954.56	48.04
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,909.12	96.06
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,897.21	96.06
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,847.34	96.06
11 44 16 00-0098		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	4,696.13	48.04
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	9,314.22	96.06
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	16,059.26	96.06
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	15,378.95	96.06
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	14,358.49	96.06
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,029.63	48.04
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,125.69	96.06
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	22,440.13	96.06
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,179.25	48.04
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	19,680.89	96.06
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	29,245.19	96.06
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	22,440.13	96.06
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	18,380.30	96.06
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	16,359.39	96.06
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	7,689.48	48.04
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)	9,929.34	229.34
		For 5" Swivel Plate Casters, Set of 4, Add	*671.37*	
11 44 16 00-0115		**Liquid Propane Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	9,314.22	96.06
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	16,059.26	96.06
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	8,029.63	48.04
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	30,301.66	96.06
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	14,358.49	96.06
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	15,378.95	96.06
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	7,689.48	48.04
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,179.25	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0124		Countertop Pizza Oven *(11 44 16)*		
11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,803.75	24.01
11 44 16 00-0126		Rotary Deck Pizza Oven *(11 44 16)*		
11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	40,283.85	96.06
11 44 16 00-0128		Triple Conveyor Oven *(11 44 16)*		
11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,517.35	192.12
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,517.35	192.12
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.64	192.12
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,443.78	192.12
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,443.78	192.12
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.64	192.12
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.64	192.12
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		Drop-In Electric Griddle *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,525.20	157.67
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,432.57	157.67
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,361.95	172.00
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,807.62	172.00
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	11,287.12	186.34
11 44 19 00-0007		Countertop Griddle *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	626.29	180.18
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	765.11	180.18
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	846.09	180.18
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	1,053.19	180.18
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,139.37	180.18
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,448.60	180.18
11 44 19 00-0014		Panini Sandwich Grill *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	590.15	96.06
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	459.64	96.06
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	459.64	96.06
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	459.64	96.06
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	908.41	96.06
11 44 19 00-0020		Electric Countertop Fryer, With Basket *(11 44 19)*		
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	889.07	96.06
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	1,911.45	96.06
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	7,020.17	96.06
11 44 19 00-0024		Electric Floor Fryer, With Basket *(11 44 19)*		
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	7,142.08	229.34
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,496.31	229.34
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,928.36	298.14
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	24,509.65	298.14
11 44 19 00-0029		Natural Gas Floor Fryer, With Basket *(11 44 19)*		
11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,384.24	153.70
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,589.87	192.12
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	2,328.23	384.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0033		Steam Jacketed Kettles *(11 44 19)*		
11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,042.14	24.01
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	11,598.74	24.01
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,222.19	24.01
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	9,615.37	24.01
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	33,747.81	24.02
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	59,479.94	96.06
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	140,630.24	96.06
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	30,938.68	96.06
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	30,938.68	96.06
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	56,694.49	96.06
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	20,686.33	96.06
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	45,626.08	96.06
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	57,112.13	96.06
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	40,640.58	96.06
11 44 19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	37,495.15	96.06
11 44 19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	115,709.71	96.06
11 44 19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	119,389.86	96.06
11 44 19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	55,670.40	192.12
11 44 19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	38,823.14	192.12
11 44 19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	55,392.55	192.12
11 44 19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	46,029.66	192.12
11 44 19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	47,696.74	192.12
11 44 19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,078.13	192.12
11 44 19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	57,823.27	192.12
11 44 19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	57,524.45	192.12
11 44 19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	63,745.41	192.12
11 44 19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	43,191.79	192.12
11 44 19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	26,342.78	192.12
11 44 19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	139,980.10	192.12
11 44 19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	46,337.22	192.12
11 44 19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	57,823.27	192.12
11 44 19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	134,349.79	192.12
11 44 19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	44,159.88	192.12
11 44 19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	133,984.57	192.12
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	45,671.43	192.12
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	158,186.89	192.12
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,015.16	192.12
11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	46,029.66	192.12
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	45,776.28	192.12
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	134,737.72	192.12
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,078.13	192.12
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	55,670.40	192.12
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,242.85	192.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	26,066.68	192.12
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	45,578.82	192.12
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	60,802.69	192.12
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	23,742.56	192.12
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	16,509.82	192.12
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	17,546.06	192.12
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	27,328.35	192.12
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	20,438.11	192.12
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	16,569.23	192.12
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	41,220.65	192.12
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	8,959.05	192.12
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	29,039.11	192.12
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	12,529.11	192.12
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	31,366.73	192.12
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	19,651.75	192.12
11 44 19 00-0092		**Steamers, Electric** *(11 44 19)*		
11 44 19 00-0093		**Cooking Equipment/ Steamers** *(11 44 19 00-0092)*		
11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer	11,740.44	240.80
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer	15,489.49	252.27
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	10,855.51	240.80
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	15,871.58	252.27
11 44 19 00-0098		**Braising Pans** *(11 44 19)*		
11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan	9,722.54	234.69
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan	10,259.74	246.80
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan	10,927.41	262.83
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	12,674.50	306.06
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	13,106.06	315.48
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	13,615.01	323.82
11 44 19 00-0105		**Toasters** *(11 44 19)*		
11 44 19 00-0106	EA	Bun Toaster 3.2 KW	1,936.55	55.83
11 44 19 00-0107	EA	Bun Toaster 4.3 KW	2,113.42	60.84
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	860.70	124.18
11 44 19 00-0109	EA	Conveyor Toaster	1,505.91	186.34
11 44 19 00-0110		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	199.06	12.01
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	218.52	12.01
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	283.35	12.01
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	361.16	12.01
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	451.94	12.01
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	283.35	12.01
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	330.69	12.01
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	584.22	12.01
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	712.61	12.01
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,494.57	12.01
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	412.79	12.01
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	562.24	12.01
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	432.50	12.01
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	380.63	12.01
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	735.95	12.01
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	341.72	12.01
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	710.01	12.01
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	787.82	12.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,320.80	12.01
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,226.13	12.01
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,442.70	12.01
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,351.92	12.01
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,517.91	12.01
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	4,091.39	12.01
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	5,421.90	12.01
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,692.98	12.01
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	5,276.01	12.01
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	3,256.91	12.01
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	878.59	12.01
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	930.47	12.01
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	995.31	12.01
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,393.25	12.01
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	800.79	12.01
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,751.33	12.01
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,763.01	12.01
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,645.00	12.01
11 44 19 00-0147	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,833.03	12.01
11 44 19 00-0148	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,657.97	12.01
11 44 19 00-0149	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,988.47	12.01
11 44 19 00-0150	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,922.16	12.01
11 44 19 00-0151		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0152	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	8,010.62	192.41
11 44 19 00-0153	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	8,010.62	192.41
11 44 19 00-0154	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	9,956.46	240.21
11 44 19 00-0155		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0156	EA	2 Burners Gas Countertop Hot Plate	1,021.27	24.51
11 44 19 00-0157		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0158	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,270.50	24.24
11 44 19 00-0159	EA	Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,437.34	191.50
11 44 19 00-0160	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	53,620.23	
11 44 19 00-0161	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,082.90	12.49
11 44 19 00-0162	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	629.68	12.49
11 44 19 00-0163	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,844.47	172.00
11 44 19 00-0164	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,923.78	331.39
11 44 19 00-0165	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	6,084.96	331.39
11 44 19 00-0166	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	21,072.31	240.80
11 44 19 00-0167	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	38,448.68	262.56
11 44 19 00-0168	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,996.19	134.64
11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,950.58	60.51
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,342.13	305.65
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	303.27	24.94
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,536.27	338.70
11 44 19 00-0173	EA	20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	14,352.02	12.49
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,524.48	168.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,756.94	162.92
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,134.21	5.77
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	27,226.49	236.96
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM)	23,863.95	203.11
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,749.10	165.12
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,501.92	286.67
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	18,386.50	236.96
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,638.39	61.94
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	17,388.23	258.00
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	19,087.81	258.00
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,669.03	229.34
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,529.12	96.06
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,204.16	96.06
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,561.21	96.06
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	1,021.04	48.04
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	430.45	72.04
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,754.11	48.04
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	33,333.15	172.00
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,647.76	96.06
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,950.01	157.67
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	17,027.90	157.67
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	39,594.97	114.67
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,792.26	168.31
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,471.25	194.94
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,471.25	194.94
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,471.25	194.94
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,926.86	229.34
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,384.94	281.65
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,342.56	72.04
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,501.28	269.19
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	31,576.96	203.11
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,626.66	48.04
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,866.55	240.80
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,633.21	240.80
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,987.90	240.80
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,591.69	240.80
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,781.40	240.80
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	51,058.70	114.67
11 44 19 00-0213		**Other Kettles** *(11 44 19)*		
11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,991.33	134.64
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	7,830.34	134.64
11 44 19 00-0216		**Charbroilers** *(11 44 19)*		
11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	1,005.50	96.06
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	825.09	128.05
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	572.33	96.06
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	1,048.36	109.80
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,740.27	109.80
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	1,069.58	128.05
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,377.10	128.05
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,288.77	153.70
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,304.14	153.70
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	2,053.63	128.05
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,703.34	153.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,687.97	153.70
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,411.20	153.70
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,858.80	192.12
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,765.40	192.12
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG CPG)	2,304.70	192.12
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,687.95	192.12

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	21,061.10	135.54
11 46 13 00-0003	EA	Soft Serve Machines, Large	35,587.29	165.58

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	13,307.24	521.75
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,211.63	521.75
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	8,576.42	286.67
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	6,783.91	235.50
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,304.08	345.51
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	11,340.30	306.06
11 46 13 00-0011	EA	Salad Bar Tray Fixed	2,630.76	51.84
11 46 13 00-0012	EA	Salad Bar Tray Hinged	2,801.70	51.84

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	715.50	20.62

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,539.73	44.38
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,523.61	101.64

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	195.39	35.62
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	172.66	35.62
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	505.84	35.62
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	352.84	35.62

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,190.64	192.41
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	11,702.42	275.76

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,769.18	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,607.75	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,469.35	

11 46 16 00-0018 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,748.31	39.18
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,345.51	45.10
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,920.25	57.76

11 46 16 00-0022 Serving Counters *(11 46 16)*

11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	127.98	46.78
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	165.30	71.67

11 46 16 00-0025 Drop-In Equipment *(11 46 16)*

11 46 16 00-0026	EA	Hot Food Well, Rectangular	784.90	149.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0027	EA	Hot Food Well, Circular	708.85	149.07
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,844.51	149.07
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,094.13	165.58
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,378.53	186.34
11 46 16 00-0031	EA	Frost Cold Plate	3,411.56	165.58
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	5,598.40	241.84
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	7,978.47	338.52
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	2,194.87	241.84
11 46 16 00-0036	EA	Hot Chocolate Dispenser	2,166.57	199.19
11 46 16 00-0037	EA	Iced Tea Brewer	3,250.37	199.19
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	2,183.06	330.94
11 46 16 00-0039	EA	Jet Spray Dispenser	3,229.43	331.28
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	2,798.87	186.34
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	3,882.68	186.34
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,080.43	35.62
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	1,156.21	34.29
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,916.92	106.61
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	713.53	24.01
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	4,634.24	24.01
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	238.75	30.06
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	736.92	30.06
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	5,777.83	164.47
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	13,265.33	369.75
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	5,099.01	120.51
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	697.67	16.29
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	4,446.97	115.26
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	7,320.31	172.75
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	8,938.59	191.15
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	12,916.12	240.45
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	9,366.41	191.15
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	13,537.88	240.45
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	10,197.55	60.02
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	429.66	35.62
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	377.90	35.62
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	456.21	35.62
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	469.49	35.62
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	252.79	35.62
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,618.99	35.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,790.76	35.62
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,533.05	35.62
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,477.97	35.62
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	2,141.59	24.01
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,455.76	24.01
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,462.57	27.47
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,672.03	27.47
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,672.03	27.47
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,424.14	27.47
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,424.14	27.47
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	4,310.67	31.98
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	5,478.80	31.98
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	4,310.67	31.98
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	5,478.80	31.98
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,566.01	31.98
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,566.01	31.98
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,566.01	31.98
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,852.67	31.98
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	6,169.91	31.98
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,852.67	31.98
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,810.66	31.98
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	6,169.91	31.98
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	6,535.75	31.98
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	5,140.01	31.98
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	6,155.07	31.98
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	6,535.75	31.98
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	5,140.01	31.98
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,762.38	31.98
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	6,368.50	31.98
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,762.38	31.98
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,762.38	31.98
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,746.55	31.98
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	2,163.39	34.97
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	7,169.95	34.97
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,638.63	34.97
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,804.40	31.98
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,294.79	34.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	7,406.15	34.97
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	7,406.15	34.97
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	7,406.15	34.97
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,241.50	34.97
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,916.36	34.97
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,916.36	34.97
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,916.36	34.97
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,023.73	34.97
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	9,056.56	34.97
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	16,236.60	34.97
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	16,236.60	34.97
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	9,469.98	38.42
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,630.75	24.01
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,630.75	24.01
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,806.71	24.01
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,806.71	24.01
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,077.45	27.47
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,473.36	27.47
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,420.57	27.47
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,420.57	27.47
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,067.76	31.98
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,071.47	31.98
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	7,044.67	38.42
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	4,915.66	34.97
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	4,915.66	34.97
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	4,915.66	34.97
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	4,915.66	34.97
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,112.29	34.97
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,112.29	34.97
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,527.51	38.42
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,527.51	38.42
11 46 16 00-0147		**Dual Dry/Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	17,626.48	34.97
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	17,626.48	34.97
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	17,626.48	34.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	17,633.48	38.42
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	18,099.93	38.42
11 46 16 00-0153		**Refrigerated Deli Case** *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	8,427.88	128.05
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	8,427.88	128.05
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,650.99	128.05
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,650.99	128.05
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,989.46	76.85
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,163.08	76.85
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,989.46	76.85
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,256.33	96.06
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,448.22	96.06
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,649.36	128.05
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,649.36	128.05
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,987.46	128.05
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,320.41	128.05
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,886.94	128.05
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,886.94	128.05
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	3,170.21	128.05
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		Carbonated Beverage Dispensing *(11 46 19)*		
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	5,909.57	465.89
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice	9,594.52	532.40
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice	17,888.48	745.34
11 46 19 00-0005		Beverage Chilling Systems *(11 46 19)*		
11 46 19 00-0006	EA	Beverage Chiller, Small	7,918.12	415.63
11 46 19 00-0007	EA	Beverage Chiller, Large	14,775.54	623.50
11 46 83		**Ice Machines** *(11 46)*		
11 46 83 00-0001		Undercounter Ice Machines With Bin *(11 46 83)*		
11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,629.33	24.01
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	4,230.14	200.67
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	3,224.02	200.67
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	3,147.08	200.67
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,389.98	215.00
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,791.28	215.00
11 46 83 00-0008		Ice Cube Maker *(11 46 83)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,343.09	215.00
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,719.83	229.34
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,405.94	229.34
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,734.84	243.67
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,779.34	243.67
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,586.23	258.00
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,696.25	258.00
11 46 83 00-0016		Ice Flakers *(11 46 83)*		
11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers	6,125.73	677.39
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers	11,065.49	1,083.82
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers	13,714.21	1,490.26
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers	16,709.66	1,625.74
11 46 83 00-0021		Ice Storage Bins *(11 46 83)*		
11 46 83 00-0022	EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,722.98	144.10
11 46 83 00-0023	EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,890.68	144.10
11 46 83 00-0024	EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,361.90	156.11
11 46 83 00-0025	EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,548.24	156.11
11 46 83 00-0026	EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,901.49	168.11

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001		Sprays And Hoses *(11 48 13)*		
11 48 13 00-0002		Sprays, Fillers *(11 48 13 00-0001)*		
11 48 13 00-0003	EA	Pre-Rinse Spray	672.84	98.69
11 48 13 00-0004	EA	Kettle Fillers	577.77	98.69
11 48 13 00-0005		Hoses *(11 48 13 00-0001)*		
11 48 13 00-0006	EA	Hose Reel	807.40	118.49
11 48 13 00-0007	EA	Wash-Down Hose	617.26	118.49
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,585.90	
11 48 13 00-0009		Rack Type Dishwasher *(11 48 13)*		
11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	29,916.25	1,150.97
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	48,792.01	1,421.79
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	58,339.30	1,624.90
11 48 13 00-0013		Undercounter Type Dishwasher *(11 48 13)*		
11 48 13 00-0014	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,809.00	236.96
11 48 13 00-0015		Exhaust Hood Dishwasher *(11 48 13)*		
11 48 13 00-0016	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,766.33	292.57
11 48 13 00-0017	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,691.82	351.09
11 48 13 00-0018		Dish Tables *(11 48 13)*		
11 48 13 00-0019	EA	2' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	474.39	103.50
11 48 13 00-0020	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	514.28	113.79
11 48 13 00-0021	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	621.72	124.70
11 48 13 00-0022	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	695.18	137.17
11 48 13 00-0023	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	773.14	149.64
11 48 13 00-0024	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	850.58	165.23
11 48 13 00-0025	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	969.78	180.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0026	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	655.87	155.87
11 48 13 00-0027	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	759.25	171.46
11 48 13 00-0028	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	822.01	187.06
11 48 13 00-0029	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	932.76	205.75
11 48 13 00-0030	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,153.56	227.58
11 48 13 00-0031	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,219.76	249.40

11 48 16 Foodservice Disposal Equipment *(11 48)*

11 48 16 00-0001 Garbage Disposals *(11 48 16)*

Note: Manual switch.

11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,442.78	182.80
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,121.14	189.57
11 48 16 00-0004	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,440.75	203.11
11 48 16 00-0005	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,358.48	196.34
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,852.49	223.42
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	6,922.87	243.74
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	8,301.51	270.82
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	11,625.55	291.12
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	15,369.23	304.66

11 48 16 00-0011 Pulper/Extractors *(11 48 16)*

11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	10,103.10	282.06

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)

(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	429.49	100.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	512.81	128.90
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	653.40	179.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	758.21	214.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,172.15	322.24
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,376.52	358.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	985.97	229.15
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,133.73	286.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	605.21	121.74
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	838.22	171.86
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	914.36	193.35
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	976.19	207.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,128.50	250.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	918.90	179.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,042.56	207.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	977.43	128.90
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,151.21	179.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,346.48	243.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,570.40	322.24
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,717.47	329.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,841.14	358.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,874.33	358.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	2,016.85	379.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,159.37	401.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,316.22	429.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,581.72	429.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	3,000.90	572.87
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0031		**Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR)** *(11 52 13 13-0001)*		
		Note: With controlled screen return.		
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,814.95	179.02
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,043.41	243.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,267.32	322.24
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,381.21	329.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,538.07	358.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,571.25	358.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,713.77	379.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,775.60	393.85
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,112.71	429.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,411.39	429.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,896.95	572.87
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0043		**Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol)** *(11 52 13 13-0001)*		
		Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,693.36	161.12
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,757.46	179.02
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,882.84	214.83
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,340.99	322.24
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,423.22	329.40
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,636.14	358.04
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,706.88	358.04
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,892.82	383.10
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,118.19	401.01
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,268.86	429.66
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,396.19	429.66
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,903.33	572.87
11 52 13 13-0056		**Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol)** *(11 52 13 13-0001)*		
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,497.78	429.66
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	7,049.72	572.87
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,719.54	644.48
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	9,194.62	716.10
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	9,812.93	859.31
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	10,951.75	930.92
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,991.04	1,002.53
		Note: Heavy-duty screen for exposed or recessed installation without doors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,654.78	1,002.53
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,638.13	1,145.75
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,611.10	930.92
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,372.63	1,145.75
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,990.94	1,288.97
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,418.08	1,002.53
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	17,309.64	1,288.97
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,960.71	161.12
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,096.07	179.02
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,234.07	214.83
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,681.20	322.24
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,761.89	329.40
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,018.31	358.04
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,217.43	358.04
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,367.11	383.10
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,568.85	401.01
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,758.89	429.66
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,825.26	429.66
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,443.57	572.87
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,046.16	608.68
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,449.65	644.48
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,322.98	716.10
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,775.35	859.31
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,951.83	161.12
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,069.90	196.93
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,135.58	214.83
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,446.64	322.24
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,490.83	329.40
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,674.24	358.04
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,850.13	358.04
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,135.88	383.10
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,218.14	401.01
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,418.13	429.66
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,428.60	501.27
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,036.44	572.87
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,760.76	608.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,147.65	644.48
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,904.82	716.10
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,330.65	859.31
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,253.76	930.92
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,951.20	1,002.53
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,435.73	1,002.53
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	13,757.60	1,145.75
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,135.58	214.83
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,375.03	286.44
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,476.51	322.24
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,251.33	401.01
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,704.06	501.27
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,314.66	644.48
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,853.32	787.70
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,512.68	1,074.14
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,391.62	286.44
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,526.29	322.24
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,665.50	343.73
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,752.66	372.37
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,092.03	401.01
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,577.95	501.27
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,225.05	644.48
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,513.74	787.70
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,542.49	930.92

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,254.06	161.12
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,357.77	179.02
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,480.32	214.83
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,870.57	322.24
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,941.48	329.40
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,120.44	358.04
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,310.02	358.04
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,481.81	383.10
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,608.15	401.01
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,809.75	429.66
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,004.98	429.66
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,455.53	572.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)*		
		Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	15,248.69	358.04
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	16,321.13	429.66
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	19,007.51	644.48
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	23,950.59	859.31
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	26,560.13	1,002.53
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	16,177.92	358.04
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	17,681.80	429.66
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	18,721.07	501.27
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	23,520.94	644.48
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)*		
		Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	5,047.19	358.04
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	6,322.54	393.85
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	7,236.78	429.66
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	12,966.01	465.46
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	14,361.75	13,860.49
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	15,949.47	572.87
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	20,426.19	644.48
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	27,551.15	716.10
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	30,824.13	787.70
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	41,199.21	859.31
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	81.22	10.74
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	114.40	11.46
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	134.32	12.89
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	828.96	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,194.02	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	2,106.15	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	53.76	5.15
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,454.29	71.61
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,683.73	71.61
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,224.55	71.61
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,502.84	71.61
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,076.44	71.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,174.46	71.61
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,222.70	71.61
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	11,139.84	71.61
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,531.62	71.61
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)*		
		Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	327.41	78.74
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	530.86	78.74
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)*		
		Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	119.95	35.79
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	161.71	35.79
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	223.51	35.79
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	277.91	35.79
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	406.34	35.79
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	893.10	35.79
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	70.40	10.73
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	91.00	10.73
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	98.73	10.73
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	103.88	10.73
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	123.92	14.32
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	149.67	14.32
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	190.88	14.32
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	219.20	14.32
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	257.27	17.90
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	293.32	17.90
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	326.23	21.47
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	341.68	21.47
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	143.95	17.90
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	221.21	17.90
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	226.36	17.90
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	234.09	17.90
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	254.12	21.47
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	266.99	21.47
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	295.32	21.47
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	321.07	21.47
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	356.56	25.05
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	382.32	25.05
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	417.80	28.63
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	435.83	28.63
11 52 33		**Interactive Displays** *(11 52)*		
11 52 33 00-0001		Television Monitors And Panels *(11 52 33)*		
		Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	734.04	19.21
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	805.54	21.61
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,095.16	24.01
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI	1,105.24	24.01
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI	1,251.81	26.41
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI	1,470.47	28.82
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI	1,833.29	31.22
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI	2,193.70	31.22
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,556.53	33.63
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	3,099.56	36.03
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,904.04	38.43
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,254.90	28.82
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	3,147.74	31.22
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,263.21	33.63
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,488.22	36.03
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,714.32	36.03
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	20,464.04	38.43
11 52 33 00-0019		**Flat Panel Display Mounting** *(11 52 33)* Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays Note: 2.6" To 16.6" swing arm extension, 12-degrees tilt	461.82	135.78
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	715.25	169.71
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	740.23	203.66
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	787.90	203.66
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15-degrees tilt	787.90	203.66
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	438.04	135.78
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	601.07	169.71
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	1,025.77	203.66
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	1,467.41	237.60
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	553.50	169.71
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	648.65	169.71
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	763.48	203.66
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	458.35	169.71
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	529.71	169.71
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	629.92	203.66
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	765.60	271.55
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	899.17	271.55
		For 28" To 41" Extension Pole, Add	*46.54*	
		For 38" To 51" Extension Pole, Add	*59.26*	
		For 48" To 61" Extension Pole, Add	*67.74*	
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	945.81	271.55
11 52 33 00-0038		**Audio/Video Components** *(11 52 33)*		
11 52 33 00-0039	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,707.47	101.83
11 52 33 00-0040	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,314.52	101.83
11 52 33 00-0041	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	523.17	33.94
11 52 33 00-0042	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	605.95	33.94
11 52 33 00-0043	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,465.19	135.78
11 52 33 00-0044	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,741.12	135.78
11 52 33 00-0045	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,741.12	135.78
11 52 33 00-0046	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	174.28	16.97
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V296)	175.33	
11 52 33 00-0048	EA	DVD/VCR Combo (Toshiba #SD V392)	177.71	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR620)	325.19	
11 52 33 00-0050	EA	DVDr/VCR Combo (Toshiba #DVR670)	446.50	
11 52 33 00-0051		**Audio/Video Cabling** *(11 52 33)*		
11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	44.79	
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	65.48	
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	97.88	
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	203.38	
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	286.16	
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	393.03	
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	537.89	
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	662.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	789.63	
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	872.41	
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	1,041.36	
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,251.69	
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	44.79	
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	65.48	
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	97.88	
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	203.38	
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	286.16	
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	393.03	
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	537.89	
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	662.06	
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	789.63	
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	872.41	
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	1,041.36	
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,251.69	
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	19.96	
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	31.61	
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	24.09	
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	26.16	
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	35.79	
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	42.00	
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	66.79	
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	93.70	
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	124.00	
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	165.39	
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	206.78	
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	34.44	
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	36.51	
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	46.14	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	56.49	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	79.21	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	106.11	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	144.70	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	186.08	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	237.82	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	7.54	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	9.61	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	11.68	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	15.82	

11 53 Laboratory Equipment *(11 50)*

11 53 43 Service Fittings and Accessories *(11 53)*

11 53 43 00-0001 Outlet And Valves *(11 53 43)*

11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,137.56	

11 53 43 00-0003 Test And Certify *(11 53 43)*

11 53 43 00-0004	EA	Test And Certify Medical Gas Port	67.74	

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001 Fitness Systems *(11 66 13)*

11 66 13 00-0002 Components For Physical Fitness Activities *(11 66 13 00-0001)*

11 66 13 00-0003	EA	Sit And Reach	1,506.35	120.94
11 66 13 00-0004	EA	Isometric Squat	562.15	48.37
11 66 13 00-0005	EA	Log Jump	3,627.22	193.51
11 66 13 00-0006	EA	Step Up	825.75	96.75
11 66 13 00-0007	EA	Hip Rotation	3,973.99	169.32
11 66 13 00-0008	EA	Body Curl	1,475.55	96.75
11 66 13 00-0009	EA	Horizontal Ladder	4,803.89	193.51
11 66 13 00-0010	EA	Chin Up	3,644.79	193.51
11 66 13 00-0011	EA	Push Up	2,221.94	96.75
11 66 13 00-0012	EA	Leg Raise	3,108.98	145.13
11 66 13 00-0013	EA	Log Hop	1,405.13	48.37
11 66 13 00-0014	EA	Parallel Bar	2,990.44	145.13
11 66 13 00-0015	EA	Leg Stretch	1,264.80	96.75
11 66 13 00-0016	EA	Balance Beam	1,132.99	72.56
11 66 13 00-0017	EA	Log Roll	3,561.12	120.94

11 68 Play Field Equipment and Structures *(11 60)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	305.14	65.31
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	466.42	65.31

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

11 68 13 00-0006 Steel See-Saw *(11 68 13 00-0005)*

11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,561.90	401.91
11 68 13 00-0008	EA	4 Unit Steel See-Saw	4,139.12	474.97
11 68 13 00-0009	EA	6 Unit Steel See-Saw	5,734.45	580.52

11 68 13 00-0010 14' Long Laminated Beam *(11 68 13 00-0005)*

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,715.01	355.37
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,884.64	316.57

11 68 13 00-0013 Slides *(11 68 13 00-0001)*

11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	3,020.75	459.58
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,235.45	653.08
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	4,691.26	725.65
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	5,874.74	803.83
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	18,511.56	1,264.47
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	18,138.66	1,304.44
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	22,798.38	1,371.01

11 68 13 00-0021 Whirlers *(11 68 13 00-0001)*

11 68 13 00-0022	EA	8' Diameter Whirler	6,883.48	870.78
11 68 13 00-0023	EA	10' Diameter Whirler	7,995.84	1,044.94

11 68 13 00-0024 Other Standalone Playground Equipment *(11 68 13 00-0001)*

11 68 13 00-0025 Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*

11 68 13 00-0026	EA	Horizontal Ladder	2,189.30	232.69
11 68 13 00-0027	EA	Tether Ball Post	372.45	45.48
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	569.16	80.41
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,827.98	227.18
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	700.27	121.42
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	945.88	145.13
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,275.27	193.51
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,864.50	266.07
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,949.62	110.78
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,146.48	119.59
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	2,100.47	128.19
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,925.19	110.30
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	3,595.12	144.45
11 68 13 00-0039	EA	Coil Spring Assembly Only	534.84	53.12
11 68 13 00-0040	EA	"C" Spring Assembly Only	355.39	35.41
11 68 13 00-0041	EA	Rubber Spring Assembly Only	276.95	69.08
11 68 13 00-0042	EA	Footbuck Assembly Only	92.36	9.29
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,387.28	132.84

11 68 13 00-0044 Freestanding Panels *(11 68 13 00-0024)*

Note: Rotomolded polyethylene.

11 68 13 00-0045	EA	Tic-Tac-Toe Panel	1,016.54	56.89
11 68 13 00-0046	EA	24" Bubble Panel	1,522.84	85.24
11 68 13 00-0047	EA	Fire Engine Panel	2,234.81	125.10
11 68 13 00-0048	EA	Flat Mirror Panel	1,787.87	100.13
11 68 13 00-0049	EA	Wavy Mirror Panel	2,646.17	148.22
11 68 13 00-0050	EA	Paint Time Panel	1,716.65	96.17
11 68 13 00-0051	EA	Phone Time Panel	1,218.27	68.21
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,218.27	68.21
11 68 13 00-0053	EA	Race Time Panel	2,135.92	119.59
11 68 13 00-0054	EA	Rescue 911 Panel	2,167.53	119.59
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,166.86	65.30
11 68 13 00-0056	EA	Career People Panel	1,325.06	74.21
11 68 13 00-0057	EA	Solar System Panel	1,325.06	74.21
11 68 13 00-0058	EA	Animals Panel	1,325.06	74.21

11 68 13 00-0059 Freestanding Panels Uprights *(11 68 13 00-0024)*

11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	316.66	31.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	343.07	34.54
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	343.07	34.54
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	365.06	36.77
11 68 13 00-0064		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	7,858.93	387.01
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	8,792.65	483.76
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	12,708.52	580.51
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	14,458.35	725.64
11 68 13 00-0069		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,457.32	258.52
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,329.82	316.57
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,442.52	258.52
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,549.25	316.57
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,658.17	258.23
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,855.74	258.33
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	2,158.44	258.33
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,356.34	258.23
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,842.26	302.35
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,312.62	225.72
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,345.92	225.72
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,566.41	225.72
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,420.44	290.25
11 68 13 00-0083	EA	2-Way Climber	2,032.26	232.69
11 68 13 00-0084	EA	4-Way Climber	3,229.16	232.69
11 68 13 00-0085		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0086		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,914.18	355.37
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*222.34*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*250.32*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	3,053.80	508.54
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*356.32*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*407.41*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	4,225.86	748.29
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*492.59*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*561.30*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	5,295.00	870.78
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*618.33*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*708.88*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	2,041.73	355.37
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*238.28*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*272.64*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	3,192.12	541.63
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*371.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*419.51*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	4,408.67	841.08
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*511.02*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*571.19*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	5,839.46	1,015.92
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*679.12*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*767.83*	
11 68 13 00-0095		**Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	2,190.84	313.87
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*258.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*304.92*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	3,179.84	455.42
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*374.71*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*442.62*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	4,242.32	609.07
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*499.84*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*590.14*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	5,300.63	725.65
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*626.29*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*746.17*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,470.66	353.73
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*291.15*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*343.94*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,580.44	375.12
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*304.69*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*362.24*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	3,449.16	495.19
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*406.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*479.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	4,148.94	570.84
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*491.42*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*590.09*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	4,591.24	658.80
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*540.96*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*638.76*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	5,716.87	725.94
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*678.32*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*819.01*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	5,823.73	870.78
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*684.42*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*801.41*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,698.81	384.21
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*319.05*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*380.77*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	4,390.25	618.16
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*519.33*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*621.06*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	6,396.16	990.08
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*751.14*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*877.44*	

11 68 13 00-0110 Swing Accessories *(11 68 13 00-0085)*

11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	641.32	29.09
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	533.14	24.20
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	567.93	25.82
11 68 13 00-0114	EA	Seat With Chain And Hardware	560.19	25.44
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	591.32	26.88
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,765.57	80.17
11 68 13 00-0117	LF	0.4 Lb./LF Replacement Chain	7.38	0.57
11 68 13 00-0118	LF	1 Lb./LF Replacement Chain	13.70	1.16
11 68 13 00-0119	EA	Swing Hanger Replacement	80.08	6.62

11 68 13 00-0120 Playground Equipment (Columbia Cascade) *(11 68 13)*

Note: Excludes excavation and concrete.

11 68 13 00-0121	EA	Curved Balance Beam (Columbia Cascade 1628-12-12)	1,431.04	121.32
11 68 13 00-0122	EA	Kid Mixer (Columbia Cascade 1630-2-21-PL)	3,406.49	288.79
11 68 13 00-0123	EA	Kid Spinner (Columbia Cascade 1630-5-22-PL)	3,416.45	288.79
11 68 13 00-0124	EA	Spiral Spinner (Columbia Cascade 1630-6-11-PL)	5,459.72	462.90
11 68 13 00-0125	EA	Whirlarround (Columbia Cascade 1630-6-12-PL)	7,030.74	596.16
11 68 13 00-0126	EA	Parallel Bars (Columbia Cascade 1695)	1,135.50	96.30
11 68 13 00-0127	EA	Interplay Structure (Columbia Cascade 7800-02-M)	59,201.32	5,019.59
11 68 13 00-0128	EA	Interplay Structure (Columbia Cascade 7800-06-M)	77,887.04	5,134.38
11 68 13 00-0129	EA	Interplay Structure (Columbia Cascade 7807-M1)	36,086.99	3,059.75
11 68 13 00-0130	EA	Interplay Structure (Columbia Cascade 7807-M2)	31,778.33	2,694.48
11 68 13 00-0131	EA	Interplay Structure (Columbia Cascade 7807-M3)	22,678.81	1,922.87
11 68 13 00-0132	EA	Interplay Structure (Columbia Cascade 7879-M)	56,728.13	4,809.95
11 68 13 00-0133	EA	Pipeline Play Structure (Columbia Cascade 9813-M)	24,903.13	2,111.49
11 68 13 00-0134	EA	Pipeline Structure (Columbia Cascade 9826-M)	28,822.92	2,443.88
11 68 13 00-0135	EA	Pipeline Play Structure (Columbia Cascade 9834-M)	53,026.10	4,496.04
11 68 13 00-0136	EA	Pipeline Play Structure (Columbia Cascade 9839-M)	68,549.72	5,812.23
11 68 13 00-0137	EA	Pipeline Play Structure (Columbia Cascade 9843-M)	69,265.23	5,872.89
11 68 13 00-0138	EA	Pipeline Play Structure (Columbia Cascade 9856-M)	70,338.51	5,963.87
11 68 13 00-0139	EA	Pipeline Play Structure (Columbia Cascade 9878-M)	82,906.75	7,029.58

11 68 13 00-0140 Playground Equipment (Landscape Structures®) *(11 68 13)*

Note: Excludes excavation and concrete footings.

11 68 13 00-0141 Playground Equipment (Landscape Structures® PlayShaper®) *(11 68 13 00-0140)*

Note: Ages 2 to 5 years.

11 68 13 00-0142	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	3,007.24	132.83
11 68 13 00-0143	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,616.72	498.09
11 68 13 00-0144	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,135.12	132.83
11 68 13 00-0145	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,583.76	199.23
11 68 13 00-0146	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	3,044.86	199.23
11 68 13 00-0147	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,413.53	132.83
11 68 13 00-0148	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,678.42	132.83
11 68 13 00-0149	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	2,057.30	132.83
11 68 13 00-0150	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	5,843.11	398.48
11 68 13 00-0151	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,738.24	398.48
11 68 13 00-0152	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	7,258.88	398.48
11 68 13 00-0153	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,065.37	66.41
11 68 13 00-0154	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,102.97	132.83
11 68 13 00-0155	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,789.11	199.23
11 68 13 00-0156	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	3,108.80	199.23
11 68 13 00-0157	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,465.02	199.23
11 68 13 00-0158	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	2,002.50	132.83
11 68 13 00-0159	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	8,366.25	531.30
11 68 13 00-0160	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,171.31	132.83
11 68 13 00-0161	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,234.17	66.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0162	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,864.50	166.03
11 68 13 00-0163	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,890.13	232.44
11 68 13 00-0164	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,374.23	232.44
11 68 13 00-0165	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,144.25	132.83
11 68 13 00-0166	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,381.73	132.83
11 68 13 00-0167	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,545.80	132.83
11 68 13 00-0168	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,801.55	132.83
11 68 13 00-0169	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	804.60	55.35
11 68 13 00-0170	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,490.46	99.62
11 68 13 00-0171	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,260.15	254.58
11 68 13 00-0172	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,662.04	254.58
11 68 13 00-0173	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,376.99	132.83
11 68 13 00-0174	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,194.05	132.83
11 68 13 00-0175	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,518.74	132.83
11 68 13 00-0176	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	1,113.28	166.03
11 68 13 00-0177	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,144.45	166.03
11 68 13 00-0178	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,198.65	166.03
11 68 13 00-0179	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,197.10	33.21
11 68 13 00-0180	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	438.98	33.21
11 68 13 00-0181	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,280.03	232.44
11 68 13 00-0182	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,240.11	166.03
11 68 13 00-0183	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,363.60	55.35
11 68 13 00-0184	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,686.48	66.41
11 68 13 00-0185	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	376.62	41.84
11 68 13 00-0186	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,083.63	66.41
11 68 13 00-0187	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	832.81	99.62
11 68 13 00-0188	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,624.63	99.62
11 68 13 00-0189	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,777.02	265.65
11 68 13 00-0190	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,777.02	265.65
11 68 13 00-0191	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,632.75	132.83
11 68 13 00-0192	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,975.10	132.83
11 68 13 00-0193	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	2,019.70	66.41
11 68 13 00-0194	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,613.41	66.41
11 68 13 00-0195	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,888.50	132.83
11 68 13 00-0196	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,763.14	265.65
11 68 13 00-0197	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,763.14	265.65
11 68 13 00-0198	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,763.14	265.65
11 68 13 00-0199	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,763.14	265.65
11 68 13 00-0200	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	913.95	33.21
11 68 13 00-0201	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,397.77	22.14
11 68 13 00-0202	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,616.99	22.14
11 68 13 00-0203	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,763.13	22.14
11 68 13 00-0204	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	959.62	33.21
11 68 13 00-0205	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	758.39	22.14
11 68 13 00-0206	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,210.70	22.14
11 68 13 00-0207	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	603.11	22.14
11 68 13 00-0208	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	713.00	33.21
11 68 13 00-0209	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,881.87	22.14
11 68 13 00-0210	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,178.83	33.21
11 68 13 00-0211	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,636.07	66.41
11 68 13 00-0212	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,754.53	55.35
11 68 13 00-0213	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,691.41	99.62
11 68 13 00-0214	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,224.22	22.14
11 68 13 00-0215	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,827.35	33.21
11 68 13 00-0216	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,251.90	33.21
11 68 13 00-0217	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,599.53	66.41
11 68 13 00-0218	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	548.59	33.21
11 68 13 00-0219	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,690.59	55.35
11 68 13 00-0220	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,298.38	88.55
11 68 13 00-0221	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,571.32	22.14
11 68 13 00-0222	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	603.11	22.14
11 68 13 00-0223	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	831.74	33.21
11 68 13 00-0224	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	603.11	22.14
11 68 13 00-0225	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	776.66	22.14
11 68 13 00-0226	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,472.19	99.62
11 68 13 00-0227	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,599.00	33.21
11 68 13 00-0228	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,215.37	33.21
11 68 13 00-0229	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,169.96	55.35
11 68 13 00-0230	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	676.72	55.35
11 68 13 00-0231	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	594.26	33.21
11 68 13 00-0232	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,645.74	99.62
11 68 13 00-0233	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,910.62	99.62
11 68 13 00-0234	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	548.31	22.14
11 68 13 00-0235	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	767.52	22.14
11 68 13 00-0236	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	159.20	22.14
11 68 13 00-0237	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	886.54	33.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0238	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,179.09	55.35
11 68 13 00-0239	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	676.72	55.35
11 68 13 00-0240	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	941.61	55.35
11 68 13 00-0241	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	155.55	22.14
11 68 13 00-0242	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	292.56	22.14
11 68 13 00-0243	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	393.03	22.14
11 68 13 00-0244	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	228.62	22.14
11 68 13 00-0245	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	621.66	33.21
11 68 13 00-0246	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	639.93	33.21
11 68 13 00-0247	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	649.06	33.21
11 68 13 00-0248	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	667.33	33.21
11 68 13 00-0249	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	676.46	33.21
11 68 13 00-0250	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	694.73	33.21
11 68 13 00-0251	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	587.81	199.23
11 68 13 00-0252	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	941.88	66.41
11 68 13 00-0253	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,765.02	132.83
11 68 13 00-0254	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,956.83	132.83
11 68 13 00-0255	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,057.65	132.83
11 68 13 00-0256	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,715.30	132.83
11 68 13 00-0257	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,023.81	55.35
11 68 13 00-0258	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	978.14	55.35
11 68 13 00-0259	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	996.41	55.35
11 68 13 00-0260	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	804.34	33.21
11 68 13 00-0261	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,610.82	199.23
11 68 13 00-0262	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,473.81	199.23
11 68 13 00-0263	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,355.07	199.23
11 68 13 00-0264	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	192.08	22.14
11 68 13 00-0265	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	170.16	22.14
11 68 13 00-0266	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	246.89	22.14
11 68 13 00-0267	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	206.70	22.14
11 68 13 00-0268	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	301.69	22.14
11 68 13 00-0269	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,036.82	265.65
11 68 13 00-0270	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,466.11	265.65
11 68 13 00-0271	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,648.79	265.65
11 68 13 00-0272	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,827.88	66.41
11 68 13 00-0273	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,791.35	66.41
11 68 13 00-0274	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,773.08	66.41
11 68 13 00-0275	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,745.68	66.41
11 68 13 00-0276	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,718.27	66.41
11 68 13 00-0277	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,700.01	66.41
11 68 13 00-0278	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,681.74	66.41
11 68 13 00-0279	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,663.47	66.41
11 68 13 00-0280	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	411.58	33.21
11 68 13 00-0281	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	393.31	33.21
11 68 13 00-0282	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	365.91	33.21
11 68 13 00-0283	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	356.77	33.21
11 68 13 00-0284	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	347.64	33.21
11 68 13 00-0285	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	338.50	33.21
11 68 13 00-0286	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	752.22	199.23
11 68 13 00-0287	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	715.69	199.23
11 68 13 00-0288	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	706.55	199.23
11 68 13 00-0289	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	420.71	33.21
11 68 13 00-0290	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	411.58	33.21
11 68 13 00-0291	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	393.31	33.21
11 68 13 00-0292	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	365.91	33.21
11 68 13 00-0293	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	356.77	33.21
11 68 13 00-0294	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	484.65	33.21
11 68 13 00-0295	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	475.51	33.21
11 68 13 00-0296	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	448.11	33.21
11 68 13 00-0297	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	438.98	33.21
11 68 13 00-0298	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	429.84	33.21
11 68 13 00-0299	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	411.58	33.21
11 68 13 00-0300	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	393.31	33.21
11 68 13 00-0301	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	365.91	33.21
11 68 13 00-0302	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,734.62	224.36
11 68 13 00-0303	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,698.90	221.46
11 68 13 00-0304	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,198.47	180.44
11 68 13 00-0305	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,162.65	177.44
11 68 13 00-0306	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	446.83	36.67
11 68 13 00-0307	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	428.95	35.22
11 68 13 00-0308	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	486.14	39.86
11 68 13 00-0309	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	464.70	38.12
11 68 13 00-0310	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	8,929.32	332.06
11 68 13 00-0311	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,752.92	199.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0312		Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0140)*		
11 68 13 00-0313	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	3,869.08	332.06
11 68 13 00-0314	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,371.45	332.06
11 68 13 00-0315	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,368.14	398.48
11 68 13 00-0316	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	4,023.29	265.65
11 68 13 00-0317	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,504.17	442.76
11 68 13 00-0318	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,488.03	199.23
11 68 13 00-0319	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	12,002.66	597.71
11 68 13 00-0320	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,802.87	398.48
11 68 13 00-0321	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	7,951.98	332.06
11 68 13 00-0322	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,377.42	365.27
11 68 13 00-0323	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,228.31	431.69
11 68 13 00-0324	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,653.76	464.89
11 68 13 00-0325	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,528.85	398.48
11 68 13 00-0326	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,769.30	332.06
11 68 13 00-0327	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,149.07	365.27
11 68 13 00-0328	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	11,908.62	431.69
11 68 13 00-0329	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,288.40	464.89
11 68 13 00-0330	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	439.24	55.35
11 68 13 00-0331	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	448.37	55.35
11 68 13 00-0332	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	457.50	55.35
11 68 13 00-0333	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	466.64	55.35
11 68 13 00-0334	EA	Track Ride Curved (Landscape Structures® 118093A)	4,395.61	132.83
11 68 13 00-0335	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,692.57	398.48
11 68 13 00-0336	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,509.89	398.48
11 68 13 00-0337	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,633.03	398.48
11 68 13 00-0338	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,267.67	398.48
11 68 13 00-0339	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	5,861.38	398.48
11 68 13 00-0340	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,678.70	398.48
11 68 13 00-0341	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	558.26	66.41
11 68 13 00-0342	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	20,043.83	796.96
11 68 13 00-0343	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	17,355.77	1,195.43
11 68 13 00-0344	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	5,838.29	664.13
11 68 13 00-0345	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	7,110.58	265.65
11 68 13 00-0346	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	11,519.64	664.13
11 68 13 00-0347	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	732.07	88.55
11 68 13 00-0348	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,350.67	199.23
11 68 13 00-0349	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,980.92	199.23
11 68 13 00-0350	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	642.62	199.23
11 68 13 00-0351	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	898.37	199.23
11 68 13 00-0352	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	1,294.38	398.48
11 68 13 00-0353	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,851.55	398.48
11 68 13 00-0354	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	1,294.38	398.48
11 68 13 00-0355	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,851.55	398.48
11 68 13 00-0356	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	5,763.06	531.30
11 68 13 00-0357	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,587.36	398.48
11 68 13 00-0358	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,570.98	265.65
11 68 13 00-0359	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	1,033.22	66.41
11 68 13 00-0360	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	905.88	99.62
11 68 13 00-0361	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	14,897.06	531.30
11 68 13 00-0362	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,507.96	464.89
11 68 13 00-0363	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	4,162.45	398.48
11 68 13 00-0364	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	4,262.93	398.48
11 68 13 00-0365	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	5,010.83	332.06
11 68 13 00-0366	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,520.92	265.65
11 68 13 00-0367	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,508.19	66.41
11 68 13 00-0368	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,230.85	132.83
11 68 13 00-0369	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,139.51	132.83
11 68 13 00-0370	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	594.51	55.35
11 68 13 00-0371	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	7,964.35	531.30
11 68 13 00-0372	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,838.02	398.48
11 68 13 00-0373	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,655.34	398.48
11 68 13 00-0374	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,331.26	398.48
11 68 13 00-0375	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,211.51	66.41
11 68 13 00-0376	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	3,090.53	199.23
11 68 13 00-0377	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,566.93	265.65
11 68 13 00-0378	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	8,034.19	332.06
11 68 13 00-0379	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,253.86	132.83
11 68 13 00-0380	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,806.29	132.83
11 68 13 00-0381	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,600.95	132.83
11 68 13 00-0382	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	3,107.71	132.83
11 68 13 00-0383	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,349.94	132.83
11 68 13 00-0384	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,874.97	132.83
11 68 13 00-0385	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	411.30	22.14
11 68 13 00-0386	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	338.23	22.14
11 68 13 00-0387	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,546.35	166.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0388	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,380.85	99.62
11 68 13 00-0389	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,436.74	166.03
11 68 13 00-0390	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	2,113.19	199.23
11 68 13 00-0391	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	329.09	22.14
11 68 13 00-0392	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	274.29	22.14
11 68 13 00-0393	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,783.83	166.03
11 68 13 00-0394	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,811.77	199.23
11 68 13 00-0395	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,793.50	199.23
11 68 13 00-0396	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	2,113.19	199.23
11 68 13 00-0397	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,765.56	166.03
11 68 13 00-0398	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,793.50	199.23
11 68 13 00-0399	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,661.78	232.44
11 68 13 00-0400	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,789.11	199.23
11 68 13 00-0401	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,415.16	232.44
11 68 13 00-0402	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,533.35	199.23
11 68 13 00-0403	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,820.37	166.03
11 68 13 00-0404	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,481.86	132.83
11 68 13 00-0405	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,509.81	166.03
11 68 13 00-0406	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,491.54	166.03
11 68 13 00-0407	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,820.37	166.03
11 68 13 00-0408	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,472.73	132.83
11 68 13 00-0409	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,491.54	166.03
11 68 13 00-0410	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,866.04	166.03
11 68 13 00-0411	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,993.91	166.03
11 68 13 00-0412	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,902.57	166.03
11 68 13 00-0413	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,582.34	132.83
11 68 13 00-0414	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,701.08	132.83
11 68 13 00-0415	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,618.87	132.83
11 68 13 00-0416	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	11,622.28	796.96
11 68 13 00-0417	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	6,207.39	332.06
11 68 13 00-0418	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,504.41	332.06
11 68 13 00-0419	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	22,783.53	1,328.26
11 68 13 00-0420	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,913.68	265.65
11 68 13 00-0421	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	2,149.73	199.23
11 68 13 00-0422	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	42,955.22	2,125.21
11 68 13 00-0423	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	23,682.98	1,593.91
11 68 13 00-0424	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	21,481.68	1,593.91
11 68 13 00-0425	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	10,247.85	531.30
11 68 13 00-0426	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,481.33	99.62
11 68 13 00-0427	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,654.87	99.62
11 68 13 00-0428	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	5,267.67	398.48
11 68 13 00-0429	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,115.97	99.62
11 68 13 00-0430	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,207.31	99.62
11 68 13 00-0431	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	5,085.31	531.30
11 68 13 00-0432	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,931.86	531.30
11 68 13 00-0433	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	3,199.40	265.65
11 68 13 00-0434	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	3,045.95	265.65
11 68 13 00-0435	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,627.94	398.48
11 68 13 00-0436	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,781.39	398.48
11 68 13 00-0437	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,884.84	199.23
11 68 13 00-0438	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	2,038.29	199.23
11 68 13 00-0439	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	3,020.70	398.48
11 68 13 00-0440	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	3,174.15	398.48
11 68 13 00-0441	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,277.60	199.23
11 68 13 00-0442	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,431.05	199.23
11 68 13 00-0443	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,142.83	66.41
11 68 13 00-0444	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	5,826.99	531.30
11 68 13 00-0445	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	4,078.09	265.65
11 68 13 00-0446	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,297.22	531.30
11 68 13 00-0447	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,420.44	265.65
11 68 13 00-0448	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,634.92	265.65
11 68 13 00-0449	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,115.70	88.55
11 68 13 00-0450	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,975.64	166.03
11 68 13 00-0451	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,205.97	265.65
11 68 13 00-0452	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,699.20	265.65
11 68 13 00-0453	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,196.83	265.65
11 68 13 00-0454	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,690.07	265.65
11 68 13 00-0455	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	20,827.88	2,390.86
11 68 13 00-0456	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	20,225.03	2,390.86
11 68 13 00-0457	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,078.40	1,593.91
11 68 13 00-0458	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	13,334.16	1,593.91
11 68 13 00-0459	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,945.48	265.65
11 68 13 00-0460	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,854.14	265.65
11 68 13 00-0461	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	26.60	11.07
11 68 13 00-0462	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	84.25	11.07
11 68 13 00-0463	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,059.81	22.14
11 68 13 00-0464	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	585.12	33.21
11 68 13 00-0465	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	585.12	33.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0466	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	548.59	33.21
11 68 13 00-0467	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,124.03	33.21
11 68 13 00-0468	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	950.48	33.21
11 68 13 00-0469	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	950.48	33.21
11 68 13 00-0470	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	319.96	22.14
11 68 13 00-0471	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	795.74	66.41
11 68 13 00-0472	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	411.58	33.21
11 68 13 00-0473	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	393.31	33.21
11 68 13 00-0474	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	128.14	22.14
11 68 13 00-0475	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	120.84	22.14
11 68 13 00-0476	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.55	3.32
11 68 13 00-0477	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.24	
11 68 13 00-0478	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	301.97	33.21
11 68 13 00-0479	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	100.74	16.60
11 68 13 00-0480	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	347.64	33.21
11 68 13 00-0481	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	292.83	33.21
11 68 13 00-0482	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,037.16	265.65
11 68 13 00-0483	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	182.95	16.60
11 68 13 00-0484	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	182.95	16.60
11 68 13 00-0485	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	182.95	16.60
11 68 13 00-0486	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	182.95	16.60
11 68 13 00-0487	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	182.95	16.60
11 68 13 00-0488	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	182.95	16.60
11 68 13 00-0489	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	192.08	16.60
11 68 13 00-0490	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,605.34	132.83
11 68 13 00-0491	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,682.07	132.83
11 68 13 00-0492	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	91.34	
11 68 13 00-0493	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,797.16	132.83
11 68 13 00-0494	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,873.88	132.83
11 68 13 00-0495	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,401.08	199.23
11 68 13 00-0496	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,533.71	796.96
11 68 13 00-0497	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,563.84	531.30
11 68 13 00-0498	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,563.84	531.30
11 68 13 00-0499	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,130.38	132.83
11 68 13 00-0500	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,283.83	132.83
11 68 13 00-0501	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,367.86	132.83
11 68 13 00-0502	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,521.31	132.83
11 68 13 00-0503	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,225.04	66.41
11 68 13 00-0504	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,378.49	66.41
11 68 13 00-0505	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,307.24	66.41
11 68 13 00-0506	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,460.70	66.41
11 68 13 00-0507	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,221.72	132.83
11 68 13 00-0508	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,455.55	132.83
11 68 13 00-0509	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,459.20	132.83
11 68 13 00-0510	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,693.03	132.83
11 68 13 00-0511	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,298.11	66.41
11 68 13 00-0512	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,642.62	132.83
11 68 13 00-0513	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,380.32	66.41
11 68 13 00-0514	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,724.83	132.83
11 68 13 00-0515	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,313.06	132.83
11 68 13 00-0516	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,466.51	132.83
11 68 13 00-0517	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,550.54	132.83
11 68 13 00-0518	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,703.99	132.83
11 68 13 00-0519	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,398.58	66.41
11 68 13 00-0520	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,662.72	132.83
11 68 13 00-0521	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,480.79	66.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0522	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,744.92	132.83
11 68 13 00-0523	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,404.40	132.83
11 68 13 00-0524	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,638.23	132.83
11 68 13 00-0525	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,641.88	132.83
11 68 13 00-0526	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,875.71	132.83
11 68 13 00-0527	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,480.79	66.41
11 68 13 00-0528	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,825.30	132.83
11 68 13 00-0529	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,673.68	132.83
11 68 13 00-0530	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,907.51	132.83
11 68 13 00-0531	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,130.38	132.83
11 68 13 00-0532	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,367.86	132.83
11 68 13 00-0533	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,801.55	132.83
11 68 13 00-0534	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,048.17	132.83
11 68 13 00-0535	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,819.82	132.83
11 68 13 00-0536	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,066.44	132.83
11 68 13 00-0537	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,801.55	132.83
11 68 13 00-0538	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,048.17	132.83
11 68 13 00-0539	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,130.38	132.83
11 68 13 00-0540	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,367.86	132.83
11 68 13 00-0541	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,956.83	132.83
11 68 13 00-0542	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,176.05	132.83
11 68 13 00-0543	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,066.44	132.83
11 68 13 00-0544	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,303.92	132.83
11 68 13 00-0545	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,984.23	132.83
11 68 13 00-0546	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,212.58	132.83
11 68 13 00-0547	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,057.30	132.83
11 68 13 00-0548	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,842.83	132.83
11 68 13 00-0549	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,398.58	66.41
11 68 13 00-0550	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,407.72	66.41
11 68 13 00-0551	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,416.85	66.41
11 68 13 00-0552	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,550.54	132.83
11 68 13 00-0553	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,387.56	199.23
11 68 13 00-0554	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,626.48	265.65
11 68 13 00-0555	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,262.54	332.06
11 68 13 00-0556	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	411.58	33.21
11 68 13 00-0557	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	429.84	33.21
11 68 13 00-0558	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,467.76	531.30
11 68 13 00-0559	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,649.49	265.65
11 68 13 00-0560	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,897.18	332.06
11 68 13 00-0561	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,025.05	332.06
11 68 13 00-0562	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,760.51	332.06
11 68 13 00-0563	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,888.39	332.06
11 68 13 00-0564	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,034.53	332.06
11 68 13 00-0565	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,401.32	398.48
11 68 13 00-0566	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,547.46	398.48
11 68 13 00-0567	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,684.47	398.48
11 68 13 00-0568	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,331.32	132.83
11 68 13 00-0569	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,011.63	132.83
11 68 13 00-0570	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,906.77	132.83
11 68 13 00-0571	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,011.63	132.83
11 68 13 00-0572	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,276.52	132.83
11 68 13 00-0573	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,956.83	132.83
11 68 13 00-0574	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,851.96	132.83
11 68 13 00-0575	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,956.83	132.83
11 68 13 00-0576	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,410.22	199.23
11 68 13 00-0577	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,355.41	199.23
11 68 13 00-0578	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,850.09	265.65
11 68 13 00-0579	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,795.28	265.65
11 68 13 00-0580	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,463.48	332.06
11 68 13 00-0581	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,287.08	199.23
11 68 13 00-0582	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,491.23	332.06
11 68 13 00-0583	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,740.83	265.65
11 68 13 00-0584	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,338.93	265.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0585	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,740.83	265.65
11 68 13 00-0586	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,338.93	265.65
11 68 13 00-0587	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,186.61	199.23
11 68 13 00-0588	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,775.58	199.23
11 68 13 00-0589	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,678.31	332.06
11 68 13 00-0590	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,276.41	332.06
11 68 13 00-0591	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,775.58	199.23
11 68 13 00-0592	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,373.68	199.23
11 68 13 00-0593	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,675.10	199.23
11 68 13 00-0594	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,373.68	199.23
11 68 13 00-0595	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,387.56	199.23
11 68 13 00-0596	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,588.50	199.23
11 68 13 00-0597	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,474.16	199.23
11 68 13 00-0598	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,373.68	199.23
11 68 13 00-0599	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,387.56	199.23
11 68 13 00-0600	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,588.50	199.23
11 68 13 00-0601	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,637.14	132.83
11 68 13 00-0602	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,124.56	66.41
11 68 13 00-0603	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	1,005.82	66.41
11 68 13 00-0604	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,298.11	66.41
11 68 13 00-0605	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,655.41	132.83
11 68 13 00-0606	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,504.87	132.83
11 68 13 00-0607	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,687.55	132.83
11 68 13 00-0608	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,920.29	132.83
11 68 13 00-0609	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,938.56	132.83
11 68 13 00-0610		Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-0140)*		
11 68 13 00-0611	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,792.42	132.83
11 68 13 00-0612	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,920.29	132.83
11 68 13 00-0613	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	768.34	66.41
11 68 13 00-0614	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	731.80	66.41
11 68 13 00-0615	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	585.12	33.21
11 68 13 00-0616	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	575.99	33.21
11 68 13 00-0617	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	548.59	33.21
11 68 13 00-0618	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	539.45	33.21
11 68 13 00-0619	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	512.05	33.21
11 68 13 00-0620	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	502.92	33.21
11 68 13 00-0621	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	484.65	33.21
11 68 13 00-0622	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	475.51	33.21
11 68 13 00-0623	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	448.11	33.21
11 68 13 00-0624	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	438.98	33.21
11 68 13 00-0625	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	512.05	33.21
11 68 13 00-0626	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	493.78	33.21
11 68 13 00-0627	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	484.65	33.21
11 68 13 00-0628	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	475.51	33.21
11 68 13 00-0629	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	448.11	33.21
11 68 13 00-0630	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	438.98	33.21
11 68 13 00-0631	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	429.84	33.21
11 68 13 00-0632	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	411.58	33.21
11 68 13 00-0633	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	393.31	33.21
11 68 13 00-0634	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	365.91	33.21
11 68 13 00-0635	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	722.67	66.41
11 68 13 00-0636	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	695.27	66.41
11 68 13 00-0637	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	667.86	66.41
11 68 13 00-0638	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	594.26	33.21
11 68 13 00-0639	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	585.12	33.21
11 68 13 00-0640	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	566.85	33.21
11 68 13 00-0641	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	539.45	33.21
11 68 13 00-0642	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	530.32	33.21
11 68 13 00-0643	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	512.05	33.21
11 68 13 00-0644	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,767.06	221.37
11 68 13 00-0645	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,453.93	597.71
11 68 13 00-0646	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,468.88	166.03
11 68 13 00-0647	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,733.77	166.03
11 68 13 00-0648	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,172.73	199.23
11 68 13 00-0649	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,866.66	188.17
11 68 13 00-0650	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,405.82	199.23
11 68 13 00-0651	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,661.58	199.23
11 68 13 00-0652	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,219.02	221.37
11 68 13 00-0653	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,465.64	221.37
11 68 13 00-0654	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,311.79	287.79
11 68 13 00-0655	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,143.90	132.83
11 68 13 00-0656	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,171.31	132.83
11 68 13 00-0657	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,545.80	132.83
11 68 13 00-0658	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,591.47	132.83
11 68 13 00-0659	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,843.11	398.48
11 68 13 00-0660	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,738.24	398.48
11 68 13 00-0661	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,258.88	398.48
11 68 13 00-0662	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,576.33	531.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0663	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,786.41	531.30
11 68 13 00-0664	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,266.12	531.30
11 68 13 00-0665	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,104.22	664.13
11 68 13 00-0666	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,540.75	298.86
11 68 13 00-0667	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	11,998.88	365.27
11 68 13 00-0668	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,102.97	132.83
11 68 13 00-0669	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,789.11	199.23
11 68 13 00-0670	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,108.80	199.23
11 68 13 00-0671	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,465.02	199.23
11 68 13 00-0672	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,931.95	265.65
11 68 13 00-0673	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,096.36	265.65
11 68 13 00-0674	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,680.94	265.65
11 68 13 00-0675	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,595.41	332.06
11 68 13 00-0676	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,329.17	498.09
11 68 13 00-0677	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,648.05	453.82
11 68 13 00-0678	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,561.92	498.09
11 68 13 00-0679	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,853.39	453.82
11 68 13 00-0680	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,989.52	166.03
11 68 13 00-0681	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,254.40	166.03
11 68 13 00-0682	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	4,021.66	166.03
11 68 13 00-0683	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,309.21	166.03
11 68 13 00-0684	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,574.09	166.03
11 68 13 00-0685	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,359.62	166.03
11 68 13 00-0686	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,373.15	166.03
11 68 13 00-0687	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,574.09	166.03
11 68 13 00-0688	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,113.28	188.17
11 68 13 00-0689	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,351.02	199.23
11 68 13 00-0690	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,862.52	199.23
11 68 13 00-0691	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,036.07	199.23
11 68 13 00-0692	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,644.75	265.65
11 68 13 00-0693	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,206.77	66.41
11 68 13 00-0694	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,129.84	99.62
11 68 13 00-0695	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,816.85	199.23
11 68 13 00-0696	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,109.61	254.58
11 68 13 00-0697	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,621.11	254.58
11 68 13 00-0698	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,520.64	254.58
11 68 13 00-0699	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,050.41	254.58
11 68 13 00-0700	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,820.99	188.17
11 68 13 00-0701	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,748.18	199.23
11 68 13 00-0702	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	4,022.20	199.23
11 68 13 00-0703	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,515.43	199.23
11 68 13 00-0704	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,780.32	199.23
11 68 13 00-0705	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,820.90	199.23
11 68 13 00-0706	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,921.38	199.23
11 68 13 00-0707	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,049.25	199.23
11 68 13 00-0708	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,478.55	199.23
11 68 13 00-0709	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,579.02	199.23
11 68 13 00-0710	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,706.90	199.23
11 68 13 00-0711	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,807.37	199.23
11 68 13 00-0712	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	4,023.29	265.65
11 68 13 00-0713	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,174.17	265.65
11 68 13 00-0714	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,850.09	265.65
11 68 13 00-0715	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,320.66	265.65
11 68 13 00-0716	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,608.21	265.65
11 68 13 00-0717	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,850.09	265.65
11 68 13 00-0718	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,064.56	265.65
11 68 13 00-0719	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,046.64	265.65
11 68 13 00-0720	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,608.21	265.65
11 68 13 00-0721	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,169.78	265.65
11 68 13 00-0722	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,108.80	199.23
11 68 13 00-0723	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,031.33	199.23
11 68 13 00-0724	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,423.21	166.03
11 68 13 00-0725	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,075.85	154.97
11 68 13 00-0726	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,788.30	154.97
11 68 13 00-0727	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,468.61	154.97
11 68 13 00-0728	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,194.86	166.03
11 68 13 00-0729	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,304.47	166.03
11 68 13 00-0730	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,395.81	166.03
11 68 13 00-0731	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,391.07	166.03
11 68 13 00-0732	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,464.14	166.03
11 68 13 00-0733	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,582.88	166.03
11 68 13 00-0734	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,783.83	166.03
11 68 13 00-0735	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,856.90	166.03
11 68 13 00-0736	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,957.38	166.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0737	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,395.81	166.03
11 68 13 00-0738	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,414.08	166.03
11 68 13 00-0739	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,843.37	166.03
11 68 13 00-0740	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,861.64	166.03
11 68 13 00-0741	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,779.44	166.03
11 68 13 00-0742	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,825.11	166.03
11 68 13 00-0743	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,254.40	166.03
11 68 13 00-0744	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,281.81	166.03
11 68 13 00-0745	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,447.65	232.44
11 68 13 00-0746	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,461.17	232.44
11 68 13 00-0747	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,564.07	132.83
11 68 13 00-0748	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,765.02	132.83
11 68 13 00-0749	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,965.96	132.83
11 68 13 00-0750	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,221.72	132.83
11 68 13 00-0751	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,320.84	298.86
11 68 13 00-0752	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,327.09	99.62
11 68 13 00-0753	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,265.86	265.65
11 68 13 00-0754	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,265.86	265.65
11 68 13 00-0755	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,265.86	265.65
11 68 13 00-0756	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,327.09	99.62
11 68 13 00-0757	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,623.96	132.83
11 68 13 00-0758	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,464.98	132.83
11 68 13 00-0759	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,236.48	166.03
11 68 13 00-0760	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	238.03	33.21
11 68 13 00-0761	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	274.57	33.21
11 68 13 00-0762	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,032.69	33.21
11 68 13 00-0763	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	365.91	33.21
11 68 13 00-0764	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,254.94	199.23
11 68 13 00-0765	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,492.42	199.23
11 68 13 00-0766	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,656.84	199.23
11 68 13 00-0767	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,994.79	199.23
11 68 13 00-0768	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,656.84	199.23
11 68 13 00-0769	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,921.72	199.23
11 68 13 00-0770	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,828.42	99.62
11 68 13 00-0771	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,595.67	99.62
11 68 13 00-0772	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,372.06	99.62
11 68 13 00-0773	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,139.32	99.62
11 68 13 00-0774	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,764.48	99.62
11 68 13 00-0775	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,020.23	99.62
11 68 13 00-0776	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,285.12	99.62
11 68 13 00-0777	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,394.73	99.62
11 68 13 00-0778	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,111.57	99.62
11 68 13 00-0779	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,385.59	99.62
11 68 13 00-0780	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,641.34	99.62
11 68 13 00-0781	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,897.10	99.62
11 68 13 00-0782	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	5,000.08	232.44
11 68 13 00-0783	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,127.96	232.44
11 68 13 00-0784	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,054.88	232.44
11 68 13 00-0785	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,813.01	232.44
11 68 13 00-0786	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,940.88	232.44
11 68 13 00-0787	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	5,886.08	232.44
11 68 13 00-0788	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,939.11	166.03
11 68 13 00-0789	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	2,130.92	166.03
11 68 13 00-0790	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,331.87	166.03
11 68 13 00-0791	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,505.95	199.23
11 68 13 00-0792	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,706.90	199.23
11 68 13 00-0793	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,898.71	199.23
11 68 13 00-0794	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,341.00	166.03
11 68 13 00-0795	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,523.68	166.03
11 68 13 00-0796	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,733.77	166.03
11 68 13 00-0797	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,344.85	132.83
11 68 13 00-0798	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,746.75	132.83
11 68 13 00-0799	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,564.07	132.83
11 68 13 00-0800	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,691.94	132.83
11 68 13 00-0801	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,965.96	132.83
11 68 13 00-0802	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	2,075.57	132.83
11 68 13 00-0803	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,161.37	88.55
11 68 13 00-0804	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,280.11	88.55
11 68 13 00-0805	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,426.25	88.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0806	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,709.68	99.62
11 68 13 00-0807	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,928.89	99.62
11 68 13 00-0808	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,129.84	99.62
11 68 13 00-0809	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,403.86	99.62
11 68 13 00-0810	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,504.33	99.62
11 68 13 00-0811	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,595.67	99.62
11 68 13 00-0812	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,906.23	99.62
11 68 13 00-0813	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	3,006.70	99.62
11 68 13 00-0814	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,478.01	166.03
11 68 13 00-0815	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,596.76	166.03
11 68 13 00-0816	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,391.95	199.23
11 68 13 00-0817	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,538.09	199.23
11 68 13 00-0818	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,879.91	166.03
11 68 13 00-0819	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,989.52	166.03
11 68 13 00-0820	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,317.45	132.83
11 68 13 00-0821	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,765.02	132.83
11 68 13 00-0822	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,221.99	154.97
11 68 13 00-0823	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,678.69	154.97
11 68 13 00-0824	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,139.51	132.83
11 68 13 00-0825	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,276.52	132.83
11 68 13 00-0826	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,596.21	132.83
11 68 13 00-0827	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,915.90	132.83
11 68 13 00-0828	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,550.54	132.83
11 68 13 00-0829	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,678.42	132.83
11 68 13 00-0830	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,998.11	132.83
11 68 13 00-0831	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,326.93	132.83
11 68 13 00-0832	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,594.38	199.23
11 68 13 00-0833	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,874.62	132.83
11 68 13 00-0834	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,058.39	199.23
11 68 13 00-0835	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,366.25	531.30
11 68 13 00-0836	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,366.25	531.30
11 68 13 00-0837	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,673.68	132.83
11 68 13 00-0838	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,673.68	132.83
11 68 13 00-0839	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,847.22	132.83
11 68 13 00-0840	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,847.22	132.83
11 68 13 00-0841	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,079.43	99.62
11 68 13 00-0842	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,161.64	99.62
11 68 13 00-0843	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,216.44	99.62
11 68 13 00-0844	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,289.51	99.62
11 68 13 00-0845	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,691.41	99.62
11 68 13 00-0846	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,764.48	99.62
11 68 13 00-0847	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,828.42	99.62
11 68 13 00-0848	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,910.62	99.62
11 68 13 00-0849	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,472.19	99.62
11 68 13 00-0850	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,527.00	99.62
11 68 13 00-0851	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,609.20	99.62
11 68 13 00-0852	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,691.41	99.62
11 68 13 00-0853	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,254.06	166.03
11 68 13 00-0854	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,299.73	166.03
11 68 13 00-0855	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,381.93	166.03
11 68 13 00-0856	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,747.29	166.03
11 68 13 00-0857	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,820.37	166.03
11 68 13 00-0858	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,875.17	166.03
11 68 13 00-0859	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,939.11	166.03
11 68 13 00-0860	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	2,003.05	166.03
11 68 13 00-0861	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,066.98	166.03
11 68 13 00-0862	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,464.14	166.03
11 68 13 00-0863	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,537.21	166.03
11 68 13 00-0864	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,582.88	166.03
11 68 13 00-0865	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,628.55	166.03
11 68 13 00-0866	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,683.36	166.03
11 68 13 00-0867	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,765.56	166.03
11 68 13 00-0868	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,504.87	132.83
11 68 13 00-0869	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,764.48	99.62
11 68 13 00-0870	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,538.09	199.23
11 68 13 00-0871	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	887.08	66.41
11 68 13 00-0872	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,504.87	132.83
11 68 13 00-0873	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,506.30	199.23
11 68 13 00-0874	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,574.09	166.03
11 68 13 00-0875	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,391.95	199.23
11 68 13 00-0876	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,793.31	166.03
11 68 13 00-0877	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,450.61	166.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0878	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,553.86	66.41
11 68 13 00-0879	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,517.33	66.41
11 68 13 00-0880	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,599.53	66.41
11 68 13 00-0881	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,234.17	66.41
11 68 13 00-0882	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,709.14	66.41
11 68 13 00-0883	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,371.18	66.41
11 68 13 00-0884	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,745.68	66.41
11 68 13 00-0885	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,574.09	166.03
11 68 13 00-0886	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,517.33	66.41
11 68 13 00-0887	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,622.00	33.21
11 68 13 00-0888	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,248.58	99.62
11 68 13 00-0889	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,992.83	99.62
11 68 13 00-0890	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,710.21	132.83
11 68 13 00-0891	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,801.55	132.83
11 68 13 00-0892	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,363.47	132.83
11 68 13 00-0893	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,783.63	132.83
11 68 13 00-0894	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,809.34	298.86
11 68 13 00-0895	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,116.05	332.06
11 68 13 00-0896	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,245.97	664.13
11 68 13 00-0897	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,258.88	398.48
11 68 13 00-0898	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,878.29	66.41
11 68 13 00-0899	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,070.11	66.41
11 68 13 00-0900	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,601.84	166.03
11 68 13 00-0901	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,218.56	166.03
11 68 13 00-0902	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,933.63	99.62
11 68 13 00-0903	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,434.32	265.65
11 68 13 00-0904	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,128.50	265.65
11 68 13 00-0905	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	438.98	33.21
11 68 13 00-0906	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	659.27	99.62
11 68 13 00-0907	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	805.41	99.62
11 68 13 00-0908	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	641.00	99.62
11 68 13 00-0909	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,789.45	199.23
11 68 13 00-0910	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,068.76	232.44
11 68 13 00-0911	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,881.14	199.23
11 68 13 00-0912	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,415.65	199.23
11 68 13 00-0913	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,172.67	464.89
11 68 13 00-0914	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,781.32	531.30
11 68 13 00-0915	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,781.32	531.30
11 68 13 00-0916	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,294.06	66.41
11 68 13 00-0917	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,805.22	66.41
11 68 13 00-0918	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,228.08	232.44
11 68 13 00-0919	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,573.55	132.83
11 68 13 00-0920	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,240.33	132.83
11 68 13 00-0921	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,733.22	132.83
11 68 13 00-0922	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	6,973.57	265.65
11 68 13 00-0923	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	6,973.57	265.65
11 68 13 00-0924	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,973.57	265.65
11 68 13 00-0925	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	6,973.57	265.65
11 68 13 00-0926	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,461.17	232.44
11 68 13 00-0927	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,949.67	232.44
11 68 13 00-0928	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,077.55	232.44
11 68 13 00-0929	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,184.38	88.55
11 68 13 00-0930	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,074.77	88.55
11 68 13 00-0931	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,448.99	66.41
11 68 13 00-0932	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,891.82	66.41
11 68 13 00-0933	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,819.02	88.55
11 68 13 00-0934	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,682.01	88.55
11 68 13 00-0935	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,115.43	66.41
11 68 13 00-0936	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	823.14	66.41

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11 68 13 00-0937	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	832.28	66.41
11 68 13 00-0938	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,599.53	66.41
11 68 13 00-0939	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,298.38	88.55
11 68 13 00-0940	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	996.69	66.41
11 68 13 00-0941	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	996.69	66.41
11 68 13 00-0942	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,517.33	66.41
11 68 13 00-0943	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,453.39	66.41
11 68 13 00-0944	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,718.27	66.41
11 68 13 00-0945	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,047.10	66.41
11 68 13 00-0946	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,891.82	66.41
11 68 13 00-0947	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,014.96	66.41
11 68 13 00-0948	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,700.54	99.62
11 68 13 00-0949	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,956.29	99.62
11 68 13 00-0950	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,234.17	66.41
11 68 13 00-0951	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,425.99	66.41
11 68 13 00-0952	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,142.83	66.41
11 68 13 00-0953	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	960.15	66.41
11 68 13 00-0954	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	914.48	66.41
11 68 13 00-0955	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,572.93	121.76
11 68 13 00-0956	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,111.57	99.62
11 68 13 00-0957	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,435.39	88.55
11 68 13 00-0958	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	823.14	66.41
11 68 13 00-0959	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	850.54	66.41
11 68 13 00-0960	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	411.58	33.21
11 68 13 00-0961	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	206.70	22.14
11 68 13 00-0962	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,078.62	55.35
11 68 13 00-0963	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,288.98	66.41
11 68 13 00-0964	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	932.75	66.41
11 68 13 00-0965	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,348.52	66.41
11 68 13 00-0966	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,047.10	66.41
11 68 13 00-0967	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,558.60	66.41
11 68 13 00-0968	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	850.54	66.41
11 68 13 00-0969	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	914.75	88.55
11 68 13 00-0970	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,088.03	66.41
11 68 13 00-0971	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,170.50	88.55
11 68 13 00-0972	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	905.35	66.41
11 68 13 00-0973	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,161.10	66.41
11 68 13 00-0974	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	731.80	66.41
11 68 13 00-0975	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	933.02	88.55
11 68 13 00-0976	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	886.54	33.21
11 68 13 00-0977	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	635.82	33.21
11 68 13 00-0978	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,160.56	33.21
11 68 13 00-0979	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,964.61	55.35
11 68 13 00-0980	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,060.35	55.35
11 68 13 00-0981	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,617.52	55.35
11 68 13 00-0982	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,215.90	66.41
11 68 13 00-0983	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,480.79	66.41
11 68 13 00-0984	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,978.77	66.41
11 68 13 00-0985	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,207.38	88.55
11 68 13 00-0986	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,855.28	66.41
11 68 13 00-0987	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	951.29	88.55
11 68 13 00-0988	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,152.23	88.55
11 68 13 00-0989	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,216.17	88.55
11 68 13 00-0990	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,417.12	88.55
11 68 13 00-0991	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,014.96	66.41
11 68 13 00-0992	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,279.84	66.41
11 68 13 00-0993	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	639.93	33.21
11 68 13 00-0994	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	246.89	22.14
11 68 13 00-0995	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	274.29	22.14
11 68 13 00-0996	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	357.03	55.35
11 68 13 00-0997	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	347.90	55.35
11 68 13 00-0998	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,846.95	121.76
11 68 13 00-0999	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	796.28	99.62
11 68 13 00-1000	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	741.47	99.62
11 68 13 00-1001	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	951.02	66.41
11 68 13 00-1002	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,540.87	99.62
11 68 13 00-1003	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	895.68	33.21
11 68 13 00-1004	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	950.48	33.21
11 68 13 00-1005	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	676.46	33.21
11 68 13 00-1006	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	685.60	33.21
11 68 13 00-1007	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	694.73	33.21
11 68 13 00-1008	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	703.86	33.21
11 68 13 00-1009	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	713.00	33.21
11 68 13 00-1010	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	731.27	33.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1011	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	740.40	33.21
11 68 13 00-1012	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	758.67	33.21
11 68 13 00-1013	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	767.80	33.21
11 68 13 00-1014	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,060.09	33.21
11 68 13 00-1015	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,228.63	265.65
11 68 13 00-1016	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,534.79	265.65
11 68 13 00-1017	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,720.77	199.23
11 68 13 00-1018	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,967.39	199.23
11 68 13 00-1019	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	6,178.37	232.44
11 68 13 00-1020	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	383.90	22.14
11 68 13 00-1021	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	15,312.41	796.96
11 68 13 00-1022	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	5,071.04	664.13
11 68 13 00-1023	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,206.61	1,195.43
11 68 13 00-1024	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	20,479.60	1,195.43
11 68 13 00-1025	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	19,374.38	1,195.43
11 68 13 00-1026	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	26,361.89	1,195.43
11 68 13 00-1027	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	20,634.87	1,195.43
11 68 13 00-1028	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	19,538.79	1,195.43
11 68 13 00-1029	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,343.78	66.41
11 68 13 00-1030	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,288.98	66.41
11 68 13 00-1031	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,252.44	66.41
11 68 13 00-1032	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	1,014.42	33.21
11 68 13 00-1033	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,793.31	166.03
11 68 13 00-1034	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	1,005.54	55.35
11 68 13 00-1035	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,078.36	33.21
11 68 13 00-1036	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	759.20	66.41
11 68 13 00-1037	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	612.78	55.35
11 68 13 00-1038	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	758.93	55.35
11 68 13 00-1039	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,301.70	265.65
11 68 13 00-1040	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,740.13	265.65
11 68 13 00-1041	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	3,922.81	265.65
11 68 13 00-1042	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,648.79	265.65
11 68 13 00-1043	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	4,078.09	265.65
11 68 13 00-1044	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,233.37	265.65
11 68 13 00-1045	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,928.36	66.41
11 68 13 00-1046	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,864.42	66.41
11 68 13 00-1047	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,791.35	66.41
11 68 13 00-1048	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,773.08	66.41
11 68 13 00-1049	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,654.34	66.41
11 68 13 00-1050	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	640.18	55.35
11 68 13 00-1051	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	621.92	55.35
11 68 13 00-1052	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	612.78	55.35
11 68 13 00-1053	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	603.65	55.35
11 68 13 00-1054	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	594.51	55.35
11 68 13 00-1055	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	576.25	55.35
11 68 13 00-1056	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	567.11	55.35
11 68 13 00-1057	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	557.98	55.35
11 68 13 00-1058	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	539.71	55.35
11 68 13 00-1059	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	603.65	55.35
11 68 13 00-1060	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	594.51	55.35
11 68 13 00-1061	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	576.25	55.35
11 68 13 00-1062	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	567.11	55.35
11 68 13 00-1063	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	557.98	55.35
11 68 13 00-1064	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	539.71	55.35
11 68 13 00-1065	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	530.58	55.35
11 68 13 00-1066	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	521.44	55.35
11 68 13 00-1067	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	512.31	55.35
11 68 13 00-1068	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	475.51	33.21
11 68 13 00-1069	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	787.90	33.21
11 68 13 00-1070	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	438.98	33.21
11 68 13 00-1071	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	429.84	33.21
11 68 13 00-1072	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	420.71	33.21
11 68 13 00-1073	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	411.58	33.21
11 68 13 00-1074	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	393.31	33.21
11 68 13 00-1075	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	365.91	33.21
11 68 13 00-1076	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	347.64	33.21
11 68 13 00-1077	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	338.50	33.21
11 68 13 00-1078	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	539.45	33.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1079	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	621.66	33.21
11 68 13 00-1080	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	548.59	33.21
11 68 13 00-1081	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	539.45	33.21
11 68 13 00-1082	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	530.32	33.21
11 68 13 00-1083	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	512.05	33.21
11 68 13 00-1084	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	502.92	33.21
11 68 13 00-1085	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	493.78	33.21
11 68 13 00-1086	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	484.65	33.21
11 68 13 00-1087	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	475.51	33.21
11 68 13 00-1088	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	448.11	33.21
11 68 13 00-1089	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	438.98	33.21
11 68 13 00-1090	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	2,522.15	1,195.43
11 68 13 00-1091	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	2,531.29	1,195.43
11 68 13 00-1092	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	2,549.55	1,195.43
11 68 13 00-1093	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,294.30	664.13
11 68 13 00-1094	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,239.50	664.13
11 68 13 00-1095	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,212.09	664.13
11 68 13 00-1096	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,056.82	664.13
11 68 13 00-1097	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	2,020.28	664.13
11 68 13 00-1098	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	728.15	66.41
11 68 13 00-1099	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,883.76	132.83
11 68 13 00-1100	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,628.01	132.83
11 68 13 00-1101	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,925.91	199.23
11 68 13 00-1102	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,104.40	199.23
11 68 13 00-1103	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,539.02	265.65
11 68 13 00-1104	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,174.17	265.65
11 68 13 00-1105	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	731.80	66.41
11 68 13 00-1106	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	704.40	66.41
11 68 13 00-1107	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	677.00	66.41
11 68 13 00-1108	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	667.86	66.41
11 68 13 00-1109	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	594.26	33.21
11 68 13 00-1110	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	575.99	33.21
11 68 13 00-1111	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	548.59	33.21
11 68 13 00-1112	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	539.45	33.21
11 68 13 00-1113	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	530.32	33.21
11 68 13 00-1114	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,810.69	132.83
11 68 13 00-1115	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,906.08	265.65
11 68 13 00-1116	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,539.02	265.65
11 68 13 00-1117	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,718.28	265.65
11 68 13 00-1118	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,914.03	265.65
11 68 13 00-1119	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	27,533.71	796.96
11 68 13 00-1120	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,563.84	531.30
11 68 13 00-1121	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,371.18	66.41
11 68 13 00-1122	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,880.79	199.23
11 68 13 00-1123	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,387.56	199.23
11 68 13 00-1124	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,703.94	265.65
11 68 13 00-1125	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,493.86	265.65
11 68 13 00-1126	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	4,899.06	199.23
11 68 13 00-1127	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,661.58	199.23
11 68 13 00-1128	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,168.34	199.23
11 68 13 00-1129	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,736.09	265.65
11 68 13 00-1130	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	731.80	66.41
11 68 13 00-1131	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,088.03	66.41
11 68 13 00-1132	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,206.77	66.41
11 68 13 00-1133	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,819.82	132.83
11 68 13 00-1134	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,947.70	132.83
11 68 13 00-1135	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	2,039.04	132.83
11 68 13 00-1136	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,139.51	132.83
11 68 13 00-1137	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	3,072.26	199.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1138	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,947.70	132.83
11 68 13 00-1139	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,765.02	132.83
11 68 13 00-1140	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,453.39	66.41
11 68 13 00-1141	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,133.70	66.41
11 68 13 00-1142	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,139.51	132.83
11 68 13 00-1143	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,133.70	66.41
11 68 13 00-1144	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,925.03	132.83
11 68 13 00-1145	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,897.63	132.83
11 68 13 00-1146	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	8,929.32	332.06
11 68 13 00-1147	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,395.15	332.06
11 68 13 00-1148	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,752.92	199.23
11 68 13 00-1149	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,585.20	265.65
11 68 13 00-1150	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	832.28	66.41
11 68 13 00-1151	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,816.85	199.23
11 68 13 00-1152	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,513.89	332.06
11 68 13 00-1153	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	3,072.26	199.23
11 68 13 00-1154	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,307.24	66.41
11 68 13 00-1155	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,179.37	66.41
11 68 13 00-1156	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,188.50	66.41
11 68 13 00-1157	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,651.01	132.83
11 68 13 00-1158	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,112.11	132.83
11 68 13 00-1159	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,106.30	66.41
11 68 13 00-1160	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,288.98	66.41
11 68 13 00-1161	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,206.77	66.41
11 68 13 00-1162		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-0140)*		
11 68 13 00-1163	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	1,005.82	66.41
11 68 13 00-1164	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,179.37	66.41
11 68 13 00-1165	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,506.30	199.23
11 68 13 00-1166	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,474.16	199.23
11 68 13 00-1167	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,168.77	188.17
11 68 13 00-1168	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,315.92	265.65
11 68 13 00-1169	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,222.61	166.03
11 68 13 00-1170	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,717.07	199.23
11 68 13 00-1171	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	2,057.30	132.83
11 68 13 00-1172	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,677.88	99.62
11 68 13 00-1173	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	420.43	22.14
11 68 13 00-1174	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,891.82	66.41
11 68 13 00-1175	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,370.90	55.35
11 68 13 00-1176	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,380.04	55.35
11 68 13 00-1177	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,389.17	55.35
11 68 13 00-1178	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,841.83	298.86
11 68 13 00-1179	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,086.83	199.23
11 68 13 00-1180	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,537.01	132.83
11 68 13 00-1181	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,800.83	66.41
11 68 13 00-1182	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,196.79	796.96
11 68 13 00-1183	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	37,423.17	1,195.43
11 68 13 00-1184	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,235.52	398.48
11 68 13 00-1185	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,920.29	132.83
11 68 13 00-1186	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,938.56	132.83
11 68 13 00-1187	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,288.98	66.41
11 68 13 00-1188	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,188.50	66.41
11 68 13 00-1189	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,014.96	66.41
11 68 13 00-1190	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,102.97	132.83
11 68 13 00-1191	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,088.03	66.41
11 68 13 00-1192	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,755.88	132.83
11 68 13 00-1193	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	686.13	66.41
11 68 13 00-1194	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	941.88	66.41
11 68 13 00-1195	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,215.90	66.41
11 68 13 00-1196	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,842.83	132.83
11 68 13 00-1197	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,474.16	199.23
11 68 13 00-1198	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,160.64	265.65
11 68 13 00-1199	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,532.27	132.83
11 68 13 00-1200	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,760.62	132.83
11 68 13 00-1201	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	37,952.95	1,195.43
11 68 13 00-1202	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,515.21	1,195.43
11 68 13 00-1203	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,414.96	199.23
11 68 13 00-1204	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,207.73	332.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1205	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,965.96	132.83
11 68 13 00-1206	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,468.33	132.83
11 68 13 00-1207	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,468.33	132.83
11 68 13 00-1208		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0140)*		
11 68 13 00-1209	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,005.82	66.41
11 68 13 00-1210	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,577.94	132.83
11 68 13 00-1211		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0140)*		
11 68 13 00-1212	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	108.33	33.21
11 68 13 00-1213	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	113.81	33.21
11 68 13 00-1214	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	106.50	33.21
11 68 13 00-1215	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	12.90	6.64
11 68 13 00-1216	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	12.90	6.64
11 68 13 00-1217	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	12.90	6.64
11 68 13 00-1218	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	12.90	6.64
11 68 13 00-1219	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	166.78	33.21
11 68 13 00-1220	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	86.08	13.29
11 68 13 00-1221	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	53.20	13.29
11 68 13 00-1222	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	55.02	13.29
11 68 13 00-1223	EA	2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	109.88	16.60
11 68 13 00-1224	EA	3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	109.88	16.60
11 68 13 00-1225	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	11.87	
11 68 13 00-1226	EA	Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	144.59	16.60
11 68 13 00-1227	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	91.56	13.29
11 68 13 00-1228	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	111.98	33.21
11 68 13 00-1229	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	101.93	33.21
11 68 13 00-1230	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	137.56	33.21
11 68 13 00-1231	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	97.37	33.21
11 68 13 00-1232	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	106.50	33.21
11 68 13 00-1233	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	115.63	33.21
11 68 13 00-1234	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	124.77	33.21
11 68 13 00-1235	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	143.04	33.21
11 68 13 00-1236	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	100.11	33.21
11 68 13 00-1237	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	164.96	33.21
11 68 13 00-1238	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	814.01	66.41
11 68 13 00-1239	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	320.24	33.21
11 68 13 00-1240	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	311.10	33.21
11 68 13 00-1241	EA	Nylon Basketball Net (Landscape Structures® 100082A)	53.25	16.60
11 68 13 00-1242	EA	Chain Basketball Net (Landscape Structures® 100083A)	66.03	16.60
11 68 13 00-1243	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,453.39	66.41
11 68 13 00-1244	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,206.77	66.41
11 68 13 00-1245	EA	Warning Label (Landscape Structures® 115176A)	0.18	
11 68 13 00-1246	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68 13 00-1247	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68 13 00-1248	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	795.74	66.41
11 68 13 00-1249	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	166.78	33.21
11 68 13 00-1250	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	941.88	66.41
11 68 13 00-1251		**Playground Equipment (Landscape Structures® Site Furniture)** *(11 68 13 00-0140)*		
11 68 13 00-1252	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,572.93	121.76
11 68 13 00-1253	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	814.54	99.62
11 68 13 00-1254	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,381.12	121.76
11 68 13 00-1255	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	796.28	99.62
11 68 13 00-1256	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,257.98	121.76
11 68 13 00-1257	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,061.16	99.62
11 68 13 00-1258	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,965.70	121.76
11 68 13 00-1259	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,033.76	99.62
11 68 13 00-1260	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	385.25	99.62
11 68 13 00-1261	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	235.45	99.62
11 68 13 00-1262	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	288.16	88.55
11 68 13 00-1263	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	988.09	99.62
11 68 13 00-1264	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	850.81	88.55
11 68 13 00-1265	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	850.81	88.55
11 68 13 00-1266	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	512.59	66.41
11 68 13 00-1267	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	759.20	66.41
11 68 13 00-1268	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,498.98	332.06
11 68 13 00-1269	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,407.64	332.06

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11 68 13 00-1270	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,279.77	332.06
11 68 13 00-1271	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,110.96	332.06
11 68 13 00-1272	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	3,010.49	332.06
11 68 13 00-1273	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,873.48	332.06
11 68 13 00-1274	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,617.72	332.06
11 68 13 00-1275	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,498.98	332.06
11 68 13 00-1276	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,371.11	332.06
11 68 13 00-1277	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,229.70	332.06
11 68 13 00-1278	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,110.96	332.06
11 68 13 00-1279	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,964.82	332.06
11 68 13 00-1280	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	814.54	99.62
11 68 13 00-1281	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	896.75	99.62
11 68 13 00-1282	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	878.48	99.62
11 68 13 00-1283	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	960.69	99.62
11 68 13 00-1284	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,198.17	99.62
11 68 13 00-1285	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,115.97	99.62
11 68 13 00-1286	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,271.24	99.62
11 68 13 00-1287	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,189.04	99.62
11 68 13 00-1288	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	168.33	22.14
11 68 13 00-1289	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	832.28	66.41
11 68 13 00-1290	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	850.54	66.41
11 68 13 00-1291	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	539.99	66.41
11 68 13 00-1292	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	567.39	66.41
11 68 13 00-1293	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	850.54	66.41
11 68 13 00-1294	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	887.08	66.41
11 68 13 00-1295	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	567.39	66.41
11 68 13 00-1296	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	603.93	66.41
11 68 13 00-1297	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,949.87	265.65
11 68 13 00-1298	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,041.21	265.65
11 68 13 00-1299	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,050.34	265.65
11 68 13 00-1300	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,187.35	265.65
11 68 13 00-1301	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	2,004.67	265.65
11 68 13 00-1302	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,114.28	265.65
11 68 13 00-1303	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,864.14	55.35
11 68 13 00-1304	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,690.59	55.35
11 68 13 00-1305	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,544.45	55.35
11 68 13 00-1306	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	823.14	66.41
11 68 13 00-1307	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	704.40	66.41
11 68 13 00-1308	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	951.02	66.41

11 68 13 00-1309 Playground Equipment (Little Tikes) *(11 68 13)*

11 68 13 00-1310	EA	Kid Builders Play Structure (Little Tikes 80)	123,495.79	6,760.45
11 68 13 00-1311	EA	Kid Builders Ship (Little Tikes 81)	64,296.53	3,512.48
11 68 13 00-1312	EA	Kid Builders Ship (Little Tikes 81, Version 2)	67,052.49	3,663.81
11 68 13 00-1313	EA	Kid Builders Ship (Little Tikes 82)	43,405.63	2,372.65
11 68 13 00-1314	EA	Kid Builders Play (Little Tikes 82, Version 2)	44,068.51	2,407.96
11 68 13 00-1315	EA	Kid Builders Castle (Little Tikes 83)	21,367.32	1,166.63
11 68 13 00-1316	EA	Kid Builders Castle (Little Tikes 84)	157,364.49	8,594.48
11 68 13 00-1317	EA	Kid Builders Castle (Little Tikes 85)	85,911.03	4,697.01
11 68 13 00-1318	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 1)	41,862.91	2,288.57
11 68 13 00-1319	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 2)	50,653.73	2,771.46
11 68 13 00-1320	EA	Kid Builders Frontier Village (Little Tikes 87)	43,497.20	2,376.13
11 68 13 00-1321	EA	Kid Builders Play Structure (Little Tikes 88, Phase 1)	80,651.29	4,414.60
11 68 13 00-1322	EA	Kid Builders Play Structure (Little Tikes 88, Phase 2)	34,806.21	1,900.89
11 68 13 00-1323	EA	Kid Builders Play Structure (Little Tikes 89)	92,670.47	5,065.06
11 68 13 00-1324	EA	Kid Builders Play Structure (Little Tikes 89, Version 2)	80,177.66	4,378.70
11 68 13 00-1325	EA	Kid Builders Play Structure (Little Tikes 90)	94,455.06	5,162.20
11 68 13 00-1326	EA	Kid Builders Play Structure (Little Tikes 91, Phase 1)	47,012.57	2,568.76
11 68 13 00-1327	EA	Kid Builders Play Structure (Little Tikes 91, Phase 2)	42,030.48	2,298.34
11 68 13 00-1328	EA	Kid Builders Play Structure (Little Tikes 92, Phase 1)	31,914.01	1,744.92
11 68 13 00-1329	EA	Kid Builders Play Structure (Little Tikes 92, Phase 2)	41,033.69	2,244.07
11 68 13 00-1330	EA	Kid Builders Play Structure (Little Tikes 93)	37,664.14	2,060.91
11 68 13 00-1331	EA	Kid Builders Play Structure (Little Tikes 94)	48,161.81	2,635.81
11 68 13 00-1332	EA	Kid Builders Play Structure (Little Tikes 95)	41,975.14	2,291.86
11 68 13 00-1333	EA	Kid Builders Play Structure (Little Tikes 96)	47,489.13	2,597.70
11 68 13 00-1334	EA	Kid Builders Play Structure (Little Tikes 97)	94,986.73	5,195.39
11 68 13 00-1335	EA	Kid Builders Play Structure (Little Tikes 98)	105,654.18	5,770.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1336	EA	Kid Builders Play Structure (Little Tikes 99)	83,963.30	4,590.20

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,642.29	297.47
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,669.07	327.21
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	3,028.12	297.47
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,669.07	327.21
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	8,358.01	481.19
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0007 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0008	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	35.26	9.67
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161-000)	63.31	9.67
11 68 23 13-0010	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	145.20	48.37
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	264.72	21.76
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,538.42	41.12
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,978.04	41.12
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,006.69	36.28
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,101.55	36.28

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,205.85	164.48
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,533.19	164.48
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,587.75	164.48
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,682.10	164.48
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	2,018.03	164.48
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	299.90	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	340.68	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	653.42	162.55
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	718.52	162.55
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,559.90	250.11
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	84.32	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,439.26	435.39
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	8,036.60	699.10
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	9,598.86	838.92

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,167.82	290.26
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,209.68	435.39

11 68 33 33 Baseball Field Equipment *(11 68 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 33-0001		**Bases** *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	628.52	
		11 70 Healthcare Equipment *(11)*		
		11 73 Patient Care Equipment *(11 70)*		
		11 73 23 Patient Lift *(11 73)*		
11 73 23 00-0001		Ceiling Patient Lift *(11 73 23)*		
11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	14,620.61	
		11 80 Facility Maintenance and Operation Equipment *(11)*		
		11 81 Maintenance Equipment *(11 80)*		
		11 81 29 Facility Fall Protection *(11 81)*		
11 81 29 00-0001		Safety And Tie-Back Anchors *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0052 for engineering testing and inspection.		
11 81 29 00-0002		Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	874.13	107.41
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	752.31	107.41
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	527.18	89.76
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	618.13	107.41
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	558.11	107.41
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	462.80	89.76
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	468.24	
11 81 29 00-0012		Ladder Safety And Fall Protection *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	310.25	19.83
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.76	2.89
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	58.45	7.21
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	77.94	4.81
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	97.42	6.01
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	63.90	4.51
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	596.49	12.02
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	142.78	11.90
11 81 29 00-0021		Fall-Arrest Systems *(11 81 29)*		
11 81 29 00-0022		Horizontal *(11 81 29 00-0021)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	862.34	57.63
11 81 29 00-0024		Anchor Points *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	705.49	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	822.15	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	316.01	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	151.82	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	176.69	

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001		Electric Incinerator *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	43,111.33	1,165.75
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	88,211.69	2,331.49
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	298,256.15	3,497.24

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001		Waste Compactors *(11 82 26)*		
11 82 26 00-0002		110 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	23,540.32	640.49
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	29,587.06	1,537.17
11 82 26 00-0005		230 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	29,531.47	2,049.56
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	33,301.20	2,690.05

11 90 Other Equipment *(11)*

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

11 97 26 00-0001		Hinged Door Gun Lock *(11 97 26)* Note: Two keys per locker with one master.		
11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,674.94	73.15
11 97 26 00-0003		Hinged-Door Gun Locker *(11 97 26)* Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,439.79	51.20
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,267.89	73.15
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,972.81	87.77
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	8,648.47	87.77

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		Metal Frames *(11 98 12)* Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,069.78	223.71
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,069.78	223.71
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,069.78	223.71
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,069.78	223.71
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,081.98	223.71
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,081.98	223.71
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,472.54	358.04
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.98	223.71
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,292.18	298.32
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,292.18	298.32
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,545.74	358.04
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.38	223.71
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,118.58	223.71
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,118.58	223.71
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,509.14	358.04
11 98 12 00-0024		**Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4"** *(11 98 12 00-0001)*		
11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,130.76	223.71
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,130.76	223.71
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,509.12	358.04
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,106.36	223.71
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,292.15	298.32
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,292.15	298.32
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,887.27	397.57
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,142.95	223.71
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,155.16	223.71
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,155.16	223.71
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,545.71	358.04
11 98 12 00-0046		**Metal Detention Doors** *(11 98 12)*		
		Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047		**10 Gauge 1-3/4" Metal Detention Door** *(11 98 12 00-0046)*		
11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	635.01	79.49
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	641.81	79.49
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	648.61	79.49
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	655.41	79.49
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	662.20	79.49
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	696.20	79.49
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	677.30	79.49
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	684.36	79.49
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	688.81	79.49
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	750.72	79.49
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	900.15	79.49
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	977.01	79.49
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	658.81	79.49
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	665.60	79.49
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	672.40	79.49
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	679.20	79.49
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	686.00	79.49
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	719.99	79.49
11 98 12 00-0066		**Pneumatic Door Operators** *(11 98 12)*		
11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,813.85	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,287.60	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,720.92	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	7,888.21	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	9,778.12	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,863.58	
11 98 12 00-0073		**Security Doors And Frame Assembly** *(11 98 12)*		
11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, single plate.	9,705.02	496.28
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, double plate.	11,748.64	493.08
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	212.85	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	99.84	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	138.26	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	157.39	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	257.33	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	211.43	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	81.08	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	85.30	
12 01 60 00-0010	EA	Secure Seat To Floor	80.48	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	88.48	
		For Epoxy Anchoring, Add	*28.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	248.41	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	12.90	1.16
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.61	1.16
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.49	1.16
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	13.25	1.16

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.96	1.16
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	12.64	1.16

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	15.27	2.44

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	10.05	2.44
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	13.85	2.44

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	435.37	17.90
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	453.32	17.90
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	482.51	17.90
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	493.73	17.90
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	520.66	17.90
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	556.58	17.90
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	579.03	17.90
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	610.45	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	659.84	17.90
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	632.31	24.35
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	672.72	24.35
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	704.14	24.35
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	731.07	24.35
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	793.93	24.35
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	825.35	24.35
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	852.29	24.35
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	910.65	24.35
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	973.50	24.35
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	838.25	30.79
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	896.62	30.79
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	923.55	30.79
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	986.40	30.79
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	1,044.77	30.79
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	1,103.13	30.79
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	1,134.55	30.79
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,197.40	30.79
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,282.70	30.79
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	1,057.65	37.24
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	1,116.01	37.24
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	1,147.43	37.24
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,237.22	37.24
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,295.58	37.24
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,358.44	37.24
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,950.38	37.24
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,511.07	37.24
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,555.97	37.24
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,250.11	43.68
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,335.41	43.68
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,366.83	43.68
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,456.62	43.68
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,546.41	43.68
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,636.20	43.68
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,725.98	43.68
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,815.77	43.68
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,928.01	43.68
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,469.52	50.12
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,559.31	50.12
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,626.65	50.12
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,716.44	50.12
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,806.23	50.12
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,918.46	50.12
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	2,008.25	50.12
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	2,098.04	50.12
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	2,255.16	50.12
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,661.98	56.58
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,774.21	56.58
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,841.55	56.58
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,953.79	56.58
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	2,043.57	56.58
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	2,155.81	56.58
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,335.39	56.58
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,402.73	56.58
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,559.85	56.58
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,876.89	63.02
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,966.68	63.02
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	2,056.46	63.02
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	2,191.14	63.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,325.83	63.02
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,460.51	63.02
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,572.74	63.02
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,684.98	63.02
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,887.00	63.02
12 22 13 00-0082		>216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	2,069.35	69.46
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	2,226.49	69.46
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	2,293.82	69.46
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,428.51	69.46
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,585.63	69.46
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,720.32	69.46
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,855.00	69.46
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,989.68	69.46
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	3,214.15	69.46
12 22 16		**Drapery Track and Accessories** *(12 22)*		
12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	180.45	54.84
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	217.78	54.84
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	261.86	60.94
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	378.42	60.94
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	389.08	67.03
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	216.23	54.84
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	240.33	54.84
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	318.62	60.94
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	366.52	67.03
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	277.66	54.84
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	350.76	54.84
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	446.54	60.94
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	480.84	67.03
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	16.34	2.58
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	36.56	
12 23		**Interior Shutters** *(12 20)*		
12 23 13		**Wood Interior Shutters** *(12 23)*		
12 23 13 00-0001		Interior Plantation Shutters *(12 23 13)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002		12" Wide *(12 23 13 00-0001)*		
12 23 13 00-0003	PR	12" x 36" Plantation Shutter	357.23	43.22
12 23 13 00-0004	PR	12" x 40" Plantation Shutter	397.56	45.38
12 23 13 00-0005	PR	12" x 44" Plantation Shutter	434.14	47.55
12 23 13 00-0006	PR	12" x 48" Plantation Shutter	470.74	49.71
12 23 13 00-0007	PR	12" x 52" Plantation Shutter	507.31	51.87
12 23 13 00-0008	PR	12" x 56" Plantation Shutter	543.91	54.03
12 23 13 00-0009	PR	12" x 60" Plantation Shutter	546.79	56.19
12 23 13 00-0010	PR	12" x 64" Plantation Shutter	617.08	58.36
12 23 13 00-0011	PR	12" x 68" Plantation Shutter	653.66	60.51
12 23 13 00-0012	PR	12" x 72" Plantation Shutter	690.26	62.67
12 23 13 00-0013	PR	12" x 76" Plantation Shutter	726.84	64.84
12 23 13 00-0014	PR	12" x 80" Plantation Shutter	763.43	67.00
12 23 13 00-0015		14" Wide *(12 23 13 00-0001)*		
12 23 13 00-0016	PR	14" x 36" Plantation Shutter	372.21	43.22
12 23 13 00-0017	PR	14" x 40" Plantation Shutter	412.55	45.38
12 23 13 00-0018	PR	14" x 44" Plantation Shutter	449.12	47.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0019	PR	14" x 48" Plantation Shutter	485.72	49.71
12 23 13 00-0020	PR	14" x 52" Plantation Shutter	526.04	51.87
12 23 13 00-0021	PR	14" x 56" Plantation Shutter	562.63	54.03
12 23 13 00-0022	PR	14" x 60" Plantation Shutter	599.22	56.19
12 23 13 00-0023	PR	14" x 64" Plantation Shutter	639.55	58.36
12 23 13 00-0024	PR	14" x 68" Plantation Shutter	676.13	60.51
12 23 13 00-0025	PR	14" x 72" Plantation Shutter	712.74	62.67
12 23 13 00-0026	PR	14" x 76" Plantation Shutter	753.06	64.84
12 23 13 00-0027	PR	14" x 80" Plantation Shutter	789.64	67.00
12 23 13 00-0028		**15" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0029	PR	15" x 36" Plantation Shutter	387.19	43.22
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	427.53	45.38
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	464.10	47.55
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	500.70	49.71
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	541.02	51.87
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	581.36	54.03
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	621.69	56.19
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	662.02	58.36
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	702.35	60.51
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	738.95	62.67
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	779.27	64.84
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	819.60	67.00
12 23 13 00-0041		**16" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0042	PR	16" x 36" Plantation Shutter	409.66	43.22
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	453.74	45.38
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	494.06	47.55
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	538.15	49.71
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	578.47	51.87
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	618.81	54.03
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	659.14	56.19
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	706.96	58.36
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	747.29	60.51
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	787.64	62.67
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	831.70	64.84
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	872.03	67.00
12 23 13 00-0054		**18" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0055	PR	18" x 36" Plantation Shutter	443.36	43.22
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	487.45	45.38
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	531.51	47.55
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	579.34	49.71
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	623.41	51.87
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	671.24	54.03
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	715.31	56.19
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	759.39	58.36
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	803.46	60.51
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	851.30	62.67
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	895.36	64.84
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	943.18	67.00
12 23 13 00-0067		**20" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0068	PR	20" x 36" Plantation Shutter	480.81	43.22
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	532.39	45.38
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	580.20	47.55
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	628.03	49.71
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	679.58	51.87
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	727.41	54.03
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	778.98	56.19
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	826.80	58.36
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	878.36	60.51
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	926.20	62.67
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	977.75	64.84
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	1,025.57	67.00
12 23 13 00-0080		**22" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0081	PR	22" x 36" Plantation Shutter	510.77	43.22
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	566.09	45.38
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	617.65	47.55
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	6,286.68	49.71
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	724.52	51.87
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	776.10	54.03
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	827.66	56.19
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	882.97	58.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	934.53	60.51
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	989.86	62.67
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	1,041.42	64.84
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	1,096.73	67.00
12 23 13 00-0093		24" Wide *(12 23 13 00-0001)*		
12 23 13 00-0094	PR	24" x 36" Plantation Shutter	540.73	43.22
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	599.80	45.38
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	655.10	47.55
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	714.16	49.71
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	769.46	51.87
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	824.78	54.03
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	880.09	56.19
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	939.14	58.36
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	994.45	60.51
12 23 13 00-0103	PR	24" x 72" Plantation Shutter	1,053.53	62.67
12 23 13 00-0104	PR	24" x 76" Plantation Shutter	1,108.83	64.84
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	1,167.88	67.00

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001		Roller Window Shades *(12 24 13)*		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	16.36	0.86
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	16.36	0.86
12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.86	0.86
12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	16.36	0.86

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 09 Window Treatment Control System *(12 25)*

12 25 09 00-0001		Motorized Lightproof Shades *(12 25 09)*		
12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width	43.25	3.05

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001		Motorized Drapery Track *(12 25 13)*		
12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,505.38	144.08
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,572.72	158.49
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,640.07	172.89
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,707.43	187.31
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,774.77	201.71
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,842.12	216.12
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,909.47	230.53
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,976.81	244.93
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,044.15	259.35
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,111.50	273.75
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,178.85	288.16
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,246.19	302.57
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,313.54	316.97
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,380.89	331.38
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,448.24	345.79
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,515.57	360.20
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,582.93	374.61
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,650.28	389.02
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,717.63	403.42
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,784.97	417.83
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,852.32	432.24

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16		**Manufactured Metal Sandwich Panel Casework** *(12 31)*		
12 31 16 00-0001		34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*		
12 31 16 00-0002		18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*		
12 31 16 00-0003		18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,327.95	317.00
		For 16 Gauge Stainless Steel, Add	*364.16*	
		For >5 To 9, Deduct	*-88.92*	
		For >9, Deduct	*-177.85*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,766.59	317.00
		For 16 Gauge Stainless Steel, Add	*673.47*	
		For >5 To 9, Deduct	*-164.45*	
		For >9, Deduct	*-328.90*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,495.13	317.00
		For 16 Gauge Stainless Steel, Add	*615.10*	
		For >5 To 9, Deduct	*-150.20*	
		For >9, Deduct	*-300.40*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	3,223.67	317.00
		For 16 Gauge Stainless Steel, Add	*556.74*	
		For >5 To 9, Deduct	*-135.95*	
		For >9, Deduct	*-271.90*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	3,131.55	317.00
		For 16 Gauge Stainless Steel, Add	*536.93*	
		For >5 To 9, Deduct	*-131.11*	
		For >9, Deduct	*-262.22*	
12 31 16 00-0009		24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	3,356.14	342.60
		For 16 Gauge Stainless Steel, Add	*574.14*	
		For >5 To 9, Deduct	*-140.20*	
		For >9, Deduct	*-280.40*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	3,024.90	342.60
		For 16 Gauge Stainless Steel, Add	*502.93*	
		For >5 To 9, Deduct	*-122.81*	
		For >9, Deduct	*-245.62*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	3,097.42	342.60
		For 16 Gauge Stainless Steel, Add	*518.52*	
		For >5 To 9, Deduct	*-126.62*	
		For >9, Deduct	*-253.23*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,434.54	342.60
		For 16 Gauge Stainless Steel, Add	*591.00*	
		For >5 To 9, Deduct	*-144.31*	
		For >9, Deduct	*-288.63*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,456.68	342.60
		For 16 Gauge Stainless Steel, Add	*810.76*	
		For >5 To 9, Deduct	*-197.98*	
		For >9, Deduct	*-395.95*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,894.74	342.60
		For 16 Gauge Stainless Steel, Add	*904.94*	
		For >5 To 9, Deduct	*-220.97*	
		For >9, Deduct	*-441.95*	
12 31 16 00-0016		30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,958.40	361.02
		For 16 Gauge Stainless Steel, Add	*480.87*	
		For >5 To 9, Deduct	*-117.42*	
		For >9, Deduct	*-234.84*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	4,287.28	361.02
		For 16 Gauge Stainless Steel, Add	*766.58*	
		For >5 To 9, Deduct	*-187.19*	
		For >9, Deduct	*-374.38*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	5,509.34	361.02
		For 16 Gauge Stainless Steel, Add	*1,029.32*	
		For >5 To 9, Deduct	*-251.35*	
		For >9, Deduct	*-502.69*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	5,071.28	361.02
		For 16 Gauge Stainless Steel, Add	*935.14*	
		For >5 To 9, Deduct	*-228.35*	
		For >9, Deduct	*-456.70*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,799.82	361.02
		For 16 Gauge Stainless Steel, Add	*876.77*	
		For >5 To 9, Deduct	*-214.10*	
		For >9, Deduct	*-428.19*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,698.30	361.02
		For 16 Gauge Stainless Steel, Add	*639.95*	
		For >5 To 9, Deduct	*-156.27*	
		For >9, Deduct	*-312.53*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,664.98	361.02
		For 16 Gauge Stainless Steel, Add	*632.78*	
		For >5 To 9, Deduct	*-154.52*	
		For >9, Deduct	*-309.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	3,266.48	375.36
		For 16 Gauge Stainless Steel, Add	*540.73*	
		For >5 To 9, Deduct	*-132.04*	
		For >9, Deduct	*-264.08*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,974.04	375.36
		For 16 Gauge Stainless Steel, Add	*692.86*	
		For >5 To 9, Deduct	*-169.19*	
		For >9, Deduct	*-338.37*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,713.36	375.36
		For 16 Gauge Stainless Steel, Add	*636.81*	
		For >5 To 9, Deduct	*-155.50*	
		For >9, Deduct	*-311.00*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,814.48	375.36
		For 16 Gauge Stainless Steel, Add	*1,088.55*	
		For >5 To 9, Deduct	*-265.81*	
		For >9, Deduct	*-531.62*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	5,377.40	375.36
		For 16 Gauge Stainless Steel, Add	*994.58*	
		For >5 To 9, Deduct	*-242.86*	
		For >9, Deduct	*-485.72*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,429.38	398.91
		For 16 Gauge Stainless Steel, Add	*565.77*	
		For >5 To 9, Deduct	*-138.15*	
		For >9, Deduct	*-276.30*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	6,133.20	398.91
		For 16 Gauge Stainless Steel, Add	*1,147.09*	
		For >5 To 9, Deduct	*-280.10*	
		For >9, Deduct	*-560.21*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,695.14	398.91
		For 16 Gauge Stainless Steel, Add	*1,052.90*	
		For >5 To 9, Deduct	*-257.10*	
		For >9, Deduct	*-514.21*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,241.40	398.91
		For 16 Gauge Stainless Steel, Add	*955.35*	
		For >5 To 9, Deduct	*-233.28*	
		For >9, Deduct	*-466.57*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	4,033.06	398.91
		For 16 Gauge Stainless Steel, Add	*695.56*	
		For >5 To 9, Deduct	*-169.85*	
		For >9, Deduct	*-339.69*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	4,289.82	398.91
		For 16 Gauge Stainless Steel, Add	*750.76*	
		For >5 To 9, Deduct	*-183.33*	
		For >9, Deduct	*-366.65*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	6,431.53	408.14
		For 16 Gauge Stainless Steel, Add	*1,207.40*	
		For >5 To 9, Deduct	*-294.83*	
		For >9, Deduct	*-589.66*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,994.45	408.14
		For 16 Gauge Stainless Steel, Add	*1,113.43*	
		For >5 To 9, Deduct	*-271.88*	
		For >9, Deduct	*-543.77*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,727.71	408.14
		For 16 Gauge Stainless Steel, Add	*626.08*	
		For >5 To 9, Deduct	*-152.88*	
		For >9, Deduct	*-305.76*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,540.71	408.14
		For 16 Gauge Stainless Steel, Add	*1,015.88*	
		For >5 To 9, Deduct	*-248.06*	
		For >9, Deduct	*-496.13*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,591.09	408.14
		For 16 Gauge Stainless Steel, Add	*811.71*	
		For >5 To 9, Deduct	*-198.21*	
		For >9, Deduct	*-396.41*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	4,520.53	408.14
		For 16 Gauge Stainless Steel, Add	*796.54*	
		For >5 To 9, Deduct	*-194.50*	
		For >9, Deduct	*-389.01*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	4,474.12	420.57
		For 16 Gauge Stainless Steel, Add	*781.18*	
		For >5 To 9, Deduct	*-190.75*	
		For >9, Deduct	*-381.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,793.78	120.68
		For 16 Gauge Stainless Steel, Add	*333.76*	
		For >5 To 9, Deduct	*-81.50*	
		For >9, Deduct	*-163.00*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,787.50	128.00
		For 16 Gauge Stainless Steel, Add	*329.26*	
		For >5 To 9, Deduct	*-80.40*	
		For >9, Deduct	*-160.80*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,880.73	129.75
		For 16 Gauge Stainless Steel, Add	*348.53*	
		For >5 To 9, Deduct	*-85.11*	
		For >9, Deduct	*-170.21*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,773.91	129.75
		For 16 Gauge Stainless Steel, Add	*325.56*	
		For >5 To 9, Deduct	*-79.50*	
		For >9, Deduct	*-158.99*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,079.96	141.16
		For 16 Gauge Stainless Steel, Add	*386.48*	
		For >5 To 9, Deduct	*-94.37*	
		For >9, Deduct	*-188.74*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,014.30	141.16
		For 16 Gauge Stainless Steel, Add	*372.36*	
		For >5 To 9, Deduct	*-90.92*	
		For >9, Deduct	*-181.85*	
12 31 16 00-0055		**24" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,564.30	143.65
		For 16 Gauge Stainless Steel, Add	*274.58*	
		For >5 To 9, Deduct	*-67.05*	
		For >9, Deduct	*-134.10*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,122.90	143.65
		For 16 Gauge Stainless Steel, Add	*394.68*	
		For >5 To 9, Deduct	*-96.37*	
		For >9, Deduct	*-192.75*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,017.06	143.65
		For 16 Gauge Stainless Steel, Add	*371.92*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,998.53	134.14
		For 16 Gauge Stainless Steel, Add	*371.94*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,885.83	134.14
		For 16 Gauge Stainless Steel, Add	*347.71*	
		For >5 To 9, Deduct	*-84.91*	
		For >9, Deduct	*-169.81*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,414.05	134.14
		For 16 Gauge Stainless Steel, Add	*461.28*	
		For >5 To 9, Deduct	*-112.64*	
		For >9, Deduct	*-225.27*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,433.07	134.14
		For 16 Gauge Stainless Steel, Add	*250.37*	
		For >5 To 9, Deduct	*-61.14*	
		For >9, Deduct	*-122.27*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,349.44	128.00
		For 16 Gauge Stainless Steel, Add	*235.08*	
		For >5 To 9, Deduct	*-57.40*	
		For >9, Deduct	*-114.81*	
12 31 16 00-0064		**30" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,752.57	152.58
		For 16 Gauge Stainless Steel, Add	*526.19*	
		For >5 To 9, Deduct	*-128.49*	
		For >9, Deduct	*-256.98*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,495.81	152.58
		For 16 Gauge Stainless Steel, Add	*470.99*	
		For >5 To 9, Deduct	*-115.01*	
		For >9, Deduct	*-230.02*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,679.47	152.58
		For 16 Gauge Stainless Steel, Add	*295.47*	
		For >5 To 9, Deduct	*-72.15*	
		For >9, Deduct	*-144.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,618.14	140.43
		For 16 Gauge Stainless Steel, Add	*502.49*	
		For >5 To 9, Deduct	*-122.70*	
		For >9, Deduct	*-245.40*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,361.38	140.43
		For 16 Gauge Stainless Steel, Add	*447.29*	
		For >5 To 9, Deduct	*-109.22*	
		For >9, Deduct	*-218.44*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,545.04	140.43
		For 16 Gauge Stainless Steel, Add	*271.78*	
		For >5 To 9, Deduct	*-66.36*	
		For >9, Deduct	*-132.73*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,460.93	133.85
		For 16 Gauge Stainless Steel, Add	*256.57*	
		For >5 To 9, Deduct	*-62.65*	
		For >9, Deduct	*-125.30*	
12 31 16 00-0072		**36" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,862.45	156.97
		For 16 Gauge Stainless Steel, Add	*547.94*	
		For >5 To 9, Deduct	*-133.80*	
		For >9, Deduct	*-267.60*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,599.81	156.97
		For 16 Gauge Stainless Steel, Add	*491.47*	
		For >5 To 9, Deduct	*-120.01*	
		For >9, Deduct	*-240.02*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,789.35	156.97
		For 16 Gauge Stainless Steel, Add	*317.22*	
		For >5 To 9, Deduct	*-77.46*	
		For >9, Deduct	*-154.92*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,726.58	143.65
		For 16 Gauge Stainless Steel, Add	*524.47*	
		For >5 To 9, Deduct	*-128.07*	
		For >9, Deduct	*-256.13*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,470.80	143.65
		For 16 Gauge Stainless Steel, Add	*469.47*	
		For >5 To 9, Deduct	*-114.64*	
		For >9, Deduct	*-229.28*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,653.48	143.65
		For 16 Gauge Stainless Steel, Add	*293.75*	
		For >5 To 9, Deduct	*-71.73*	
		For >9, Deduct	*-143.46*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,571.19	136.78
		For 16 Gauge Stainless Steel, Add	*278.98*	
		For >5 To 9, Deduct	*-68.12*	
		For >9, Deduct	*-136.25*	
12 31 16 00-0080		**42" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	3,000.91	197.48
		For 16 Gauge Stainless Steel, Add	*560.35*	
		For >5 To 9, Deduct	*-136.83*	
		For >9, Deduct	*-273.66*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	3,005.87	186.37
		For 16 Gauge Stainless Steel, Add	*566.17*	
		For >5 To 9, Deduct	*-138.25*	
		For >9, Deduct	*-276.50*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,745.19	186.37
		For 16 Gauge Stainless Steel, Add	*510.12*	
		For >5 To 9, Deduct	*-124.56*	
		For >9, Deduct	*-249.13*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,930.81	186.37
		For 16 Gauge Stainless Steel, Add	*335.03*	
		For >5 To 9, Deduct	*-81.81*	
		For >9, Deduct	*-163.62*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,833.51	156.52
		For 16 Gauge Stainless Steel, Add	*541.91*	
		For >5 To 9, Deduct	*-132.33*	
		For >9, Deduct	*-264.65*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,574.79	156.52
		For 16 Gauge Stainless Steel, Add	*486.28*	
		For >5 To 9, Deduct	*-118.74*	
		For >9, Deduct	*-237.49*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,760.41	156.52
		For 16 Gauge Stainless Steel, Add	*311.19*	
		For >5 To 9, Deduct	*-75.99*	
		For >9, Deduct	*-151.98*	
12 31 16 00-0088		**48" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,641.91	197.48
		For 16 Gauge Stainless Steel, Add	*481.45*	
		For >5 To 9, Deduct	*-117.56*	
		For >9, Deduct	*-235.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	3,113.58	190.47
		For 16 Gauge Stainless Steel, Add	*587.52*	
		For >5 To 9, Deduct	*-143.46*	
		For >9, Deduct	*-286.93*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,856.82	190.47
		For 16 Gauge Stainless Steel, Add	*532.31*	
		For >5 To 9, Deduct	*-129.98*	
		For >9, Deduct	*-259.97*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	2,040.48	190.47
		For 16 Gauge Stainless Steel, Add	*356.80*	
		For >5 To 9, Deduct	*-87.13*	
		For >9, Deduct	*-174.25*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,940.19	157.99
		For 16 Gauge Stainless Steel, Add	*564.16*	
		For >5 To 9, Deduct	*-137.76*	
		For >9, Deduct	*-275.52*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,684.41	157.99
		For 16 Gauge Stainless Steel, Add	*509.17*	
		For >5 To 9, Deduct	*-124.33*	
		For >9, Deduct	*-248.67*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,867.09	157.99
		For 16 Gauge Stainless Steel, Add	*333.45*	
		For >5 To 9, Deduct	*-81.42*	
		For >9, Deduct	*-162.85*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	130.65	8.04
		For 14 Gauge Stainless Steel, Add	*25.32*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	119.93	8.04
		For 14 Gauge Stainless Steel, Add	*22.95*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	214.72	

12 31 16 00-0101 Stainless Steel Wall Panels *(12 31 16 00-0096)*

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	46.03	12.00
		For 18 Gauge Stainless Steel, Add	*5.99*	
		For 16 Gauge Stainless Steel, Add	*11.54*	

12 31 16 00-0103 Pedestal Legs *(12 31 16 00-0096)*

12 31 16 00-0104	EA	Type 304 Stainless Steel Pedestal Leg	390.70	18.28

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	430.55	35.81

12 35 Specialty Casework *(12 30)*

12 35 59 Display Casework *(12 35)*

See CSI section 10 12 00 00-0000 for display cases.

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001 Modular Casework *(12 35 70 13)*

Note: Midmark.

12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	979.61	98.47
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,215.13	123.09
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,701.87	98.47
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,954.72	123.09
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,108.18	98.47
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,489.59	123.09
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,112.51	98.47
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,197.73	98.47
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,271.40	98.47
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,589.26	123.09
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,613.81	123.09
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,492.41	98.47
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,733.71	123.09
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,787.15	123.09
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,306.07	98.47
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,343.63	98.47
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,440.41	98.47
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,399.62	123.09
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,535.41	123.09
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,684.53	98.47
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,784.20	98.47

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,956.10	98.47
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,427.09	295.41
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	3,148.30	295.41
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	128.62	24.62
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	713.83	98.47
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	700.83	98.47
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	747.05	98.47
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	809.16	98.47
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	879.94	98.47
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	1,007.12	123.09
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,092.35	123.09
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,340.80	123.09
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,491.03	123.09
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	187.59	21.47
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	365.68	28.63
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	46.87	17.90

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	20.79	14.32
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	28.15	14.32
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	34.38	4.29
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	119.29	

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

12 36 61 16-0002 Solid Surface Countertops *(12 36 61 16-0001)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	54.38	9.55
		For Up To 50, Add	*17.82*	
		For >50 To 100, Add	*10.28*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	78.84	14.32
		For Up To 50, Add	*25.55*	
		For >50 To 100, Add	*15.01*	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	99.35	14.32
		For Up To 50, Add	*32.63*	
		For >50 To 100, Add	*18.74*	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	95.23	14.32
		For Up To 50, Add	*30.47*	
		For >50 To 100, Add	*18.29*	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	31.16	6.09
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop Note: Not including integral seamed sinks	214.72	

12 36 61 16-0009 Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)*

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	313.26	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	383.22	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	292.91	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	281.46	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	383.22	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	383.22	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	383.22	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	383.22	

12 36 61 16-0018 Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)*

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	416.00	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	638.61	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	816.70	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	875.21	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	875.21	

12 36 61 19 Quartz Agglomerate Countertops *(12 36 61)*

12 36 61 19-0001 Quartz Agglomerate Countertops *(12 36 61 19)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	86.92	20.04
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	105.09	20.04
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	97.18	22.90
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	115.33	22.90
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	19.35	6.09
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	214.72	

12 40 Furnishings and Accessories *(12)*

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001 Floor Mats *(12 48 13 13)*

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	32.10	3.05
		For Colors, Add	*5.20*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	40.10	3.05
		For Colors, Add	*6.80*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	34.10	3.05
		For Colors, Add	*5.60*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	42.10	3.05
		For Colors, Add	*7.20*	

12 48 13 13-0006 Link Mats *(12 48 13 13)*

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	64.11	3.05
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	33.60	3.05
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	23.00	3.05
12 48 13 13-0010	SF	Vinyl Link Mats, Color	36.57	3.05
12 48 13 13-0011	LF	Rubber Nosing	5.33	1.34

12 48 13 13-0012 Duckboard *(12 48 13 13)*

12 48 13 13-0013	SF	Aluminum Slats	93.52	3.72
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	17.68	3.72
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	19.19	3.72
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	25.87	3.72
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.36	3.72
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	34.15	3.72

12 48 13 16 Entrance Floor Mat Frames *(12 48 13)*

12 48 13 16-0001 Recessed Frames *(12 48 13 16)*

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	38.78	5.72
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	16.92	5.72

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001 Wall Mounted Single Bunks *(12 55 13)*

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	511.49	92.32
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	580.28	92.32
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	628.44	92.32

12 55 13 00-0005 Floor Supported Single Bunks *(12 55 13)*

Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	511.49	92.32
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	580.28	92.32
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	628.44	92.32
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	1,054.37	129.85
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	895.43	129.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0011		**Floor Mounted Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	511.49	92.32
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	580.28	92.32
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	628.44	92.32
12 55 13 00-0015		**Single Stackable Bunks** *(12 55 13)* Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	525.24	92.32
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	545.88	92.32
12 55 13 00-0018		**Double Bunks** *(12 55 13)* Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	917.03	123.09
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	930.79	123.09
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	989.27	123.09
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	1,661.02	194.77
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	1,502.08	194.77
12 55 13 00-0024		**Non-Removable Storage Drawers For Bunks/Beds** *(12 55 13)* Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	226.47	46.16
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	370.22	49.23
12 55 13 00-0027		**Expanded Metal Convertible Beds** *(12 55 13)* Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	526.80	92.32
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	555.33	92.32
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	583.84	92.32
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	73.53	
12 55 16		**Detention Desks** *(12 55)*		
12 55 16 00-0001		**Heavy-Duty Desk With Swing Arm Seat** *(12 55 16)* Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	793.63	98.47
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	986.48	98.47
12 55 16 00-0004		**Institutional Desk And Seat** *(12 55 16)*		
12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	1,372.23	129.85
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	1,213.30	129.85
12 55 16 00-0007	EA	Institutional Desk, Up To 20	1,213.30	129.85
12 55 16 00-0008	EA	Institutional Desk, Over 20	1,054.37	129.85
12 55 19		**Detention Stools** *(12 55)*		
12 55 19 00-0001		**Heavy-Duty Steel Bench** *(12 55 19)* Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	488.34	73.86
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	590.08	80.00
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	653.88	86.16
12 55 19 00-0005		**Stationary Stools** *(12 55 19)* Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA	12" Diameter x 18" High, Stainless Steel Stationary Stool	373.05	73.86
12 55 19 00-0007	EA	Up To 20, 8" x 8" x 20" High, Floor Mounted Stool	367.57	51.94
12 55 19 00-0008	EA	>20, 8" x 8" x 20" High, Floor Mounted Stool	393.16	51.94
12 55 19 00-0009	EA	Up To 20, Wall Mounted Swivel Stool	511.29	64.92
12 55 19 00-0010	EA	>20, Wall Mounted Swivel Stool	415.93	64.92
12 55 19 00-0011		**Cell Bench** *(12 55 19)* Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	451.53	73.97
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	543.60	80.00
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	601.82	86.16
12 55 23		**Detention Tables** *(12 55)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0001		**Wall Mounted Table And Seat Set** *(12 55 23)*		
		Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	225.01	52.31
12 55 23 00-0003		**Heavy-Duty Picnic Style Table** *(12 55 23)*		
		Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,302.65	92.32
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,658.94	98.47
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,849.42	107.70
12 55 23 00-0007		**Heavy-Duty Picnic Style Table** *(12 55 23)*		
		Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,248.61	92.32
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,206.87	98.47
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,397.35	107.70
12 55 23 00-0011		**Heavy-Duty Pedestal Style Table** *(12 55 23)*		
		Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	1,151.41	76.93
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,868.87	83.09
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	2,764.58	92.32
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat	90.08	12.31
12 55 23 00-0016		**Heavy-Duty Pedestal Style Table** *(12 55 23)*		
		Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,443.80	76.93
12 55 23 00-0018	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,488.05	83.09
12 55 23 00-0019	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,607.35	92.32
12 55 23 00-0020	EA	12" Diameter Gray-Primed Steel Replacement Seats	64.39	12.31
12 55 23 00-0021	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,199.37	149.32
12 55 23 00-0022	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,881.50	149.32
12 55 23 00-0023	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,861.09	162.31
12 55 23 00-0024	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,543.22	162.31
12 55 23 00-0025	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	4,158.53	175.29
12 55 23 00-0026	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,522.79	175.29
12 55 26		**Detention Safety Clothes Hooks** *(12 55)*		
12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	88.34	29.25
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	75.62	24.62
12 55 26 00-0003	EA	8" x 18" Storage Shelf	367.60	49.23
		Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	421.74	51.94
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	342.27	51.94
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	169.68	29.22
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	201.31	29.22
12 55 86		**Detention Control Room Furniture** *(12 55)*		
12 55 86 00-0001	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	297.23	109.71
12 55 86 00-0002	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	830.51	97.38
12 55 86 00-0003	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	751.04	97.38
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,985.13	38.95
		Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	859.60	32.46
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	420.39	19.47
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	509.26	16.23

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001		**Open Office Systems Furniture Components** *(12 59 13)*		
		Note: Excludes electrical wire and wiring devices.		
12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	318.21	26.42
		For Tackable Acoustical Barrier Panel, Add	*58.01*	
		For Acoustical Panel, Add	*63.06*	
		For Enameled Surface, Deduct	*-25.22*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	353.67	29.39
		For Tackable Acoustical Barrier Panel, Add	*64.47*	
		For Acoustical Panel, Add	*70.08*	
		For Enameled Surface, Deduct	*-28.03*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	378.17	31.31
		For Tackable Acoustical Barrier Panel, Add	*68.94*	
		For Acoustical Panel, Add	*74.93*	
		For Enameled Surface, Deduct	*-29.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	423.73	35.16
		For Tackable Acoustical Barrier Panel, Add	*77.25*	
		For Acoustical Panel, Add	*83.97*	
		For Enameled Surface, Deduct	*-33.59*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	323.28	26.80
		For Tackable Acoustical Barrier Panel, Add	*58.93*	
		For Acoustical Panel, Add	*64.06*	
		For Enameled Surface, Deduct	*-25.62*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	365.46	30.26
		For Tackable Acoustical Barrier Panel, Add	*66.63*	
		For Acoustical Panel, Add	*72.42*	
		For Enameled Surface, Deduct	*-28.97*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	409.36	34.01
		For Tackable Acoustical Barrier Panel, Add	*74.63*	
		For Acoustical Panel, Add	*81.12*	
		For Enameled Surface, Deduct	*-32.45*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	481.12	39.87
		For Tackable Acoustical Barrier Panel, Add	*87.71*	
		For Acoustical Panel, Add	*95.34*	
		For Enameled Surface, Deduct	*-38.14*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	311.46	25.84
		For Tackable Acoustical Barrier Panel, Add	*56.78*	
		For Acoustical Panel, Add	*61.72*	
		For Enameled Surface, Deduct	*-24.69*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	383.22	31.80
		For Tackable Acoustical Barrier Panel, Add	*69.86*	
		For Acoustical Panel, Add	*75.94*	
		For Enameled Surface, Deduct	*-30.38*	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	479.47	39.77
		For Tackable Acoustical Barrier Panel, Add	*87.40*	
		For Acoustical Panel, Add	*95.01*	
		For Enameled Surface, Deduct	*-38.00*	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	573.95	47.55
		For Tackable Acoustical Barrier Panel, Add	*104.64*	
		For Acoustical Panel, Add	*113.74*	
		For Enameled Surface, Deduct	*-45.50*	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	17.38	1.44
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	17.38	1.44
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	18.54	1.54
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	79.94	6.63
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	92.68	7.69
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	106.59	8.83
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	123.97	10.28
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	143.67	11.91
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	166.83	13.84
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	156.41	12.96
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	183.06	15.17
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	220.12	18.25
12 59 13 00-0026	EA	34" Panel End Cap Hardware	26.65	2.21
12 59 13 00-0027	EA	42" Panel End Cap Hardware	30.13	2.50
12 59 13 00-0028	EA	62" Panel End Cap Hardware	32.43	2.69
12 59 13 00-0029	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	29.40	2.50
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	15.13	1.25
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	15.96	1.35
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	18.47	1.54
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	15.13	1.25
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	31.08	2.59
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	35.29	2.88
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	36.11	2.97
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	40.32	3.37
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	45.35	3.75
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	243.93	20.17
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	300.50	24.88
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	283.62	23.54
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	354.53	29.39
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	357.88	29.69
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	450.75	37.46
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	434.69	36.03
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	546.09	45.24
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	970.09	80.51
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	1,060.11	87.99
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	116.49	9.70
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	132.52	10.95
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	148.56	12.30
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	184.84	15.37
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	221.99	18.44
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	388.30	32.18
12 59 13 00-0055	EA	Transaction Surface Support	30.76	2.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0056	EA	Plastic Pencil Drawer	33.66	2.50
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	113.41	9.42
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	123.47	10.18
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	131.88	10.95
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	195.70	16.23
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	228.47	19.02
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	262.07	21.71
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	674.88	55.66
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	712.80	58.80
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	752.11	62.03
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	822.59	67.85
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	305.76	25.36
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	47.87	4.03
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	386.29	32.09
12 59 13 00-0070	EA	File Drawer Organizer	124.34	10.28
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	26.88	2.21
12 59 13 00-0072	EA	Utility Task Light	134.39	11.14

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	33.01	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	36.69	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	39.23	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	43.96	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	33.53	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	37.92	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	42.47	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	49.92	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	32.31	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	39.76	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	49.73	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	59.54	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	8.29	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.62	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	11.05	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.86	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	14.90	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	17.30	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	16.23	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	18.99	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	22.83	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.76	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	3.13	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	3.37	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	3.05	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.66	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.92	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	3.23	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.66	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.75	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	4.18	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.70	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.30	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.17	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	29.42	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	36.78	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	37.13	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	46.76	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	45.09	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	56.66	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	87.49	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	109.95	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	12.08	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	13.75	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	15.42	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	19.17	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	23.03	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	40.28	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	3.18	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	3.14	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.77	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.81	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.68	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	20.30	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	23.71	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	27.18	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	69.58	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	73.49	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	77.54	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	84.82	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	31.73	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	40.08	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	13.94	
12 59 13 00-0142		**Reconfigure Systems Furniture Components** *(12 59 13)*		
12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	35.20	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	39.12	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	41.83	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	46.87	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	35.76	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	40.43	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	45.28	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	53.21	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	34.45	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	42.39	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	53.03	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	63.48	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	2.05	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.84	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	10.25	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.79	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	13.71	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	15.89	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	18.45	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	17.30	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	20.25	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	24.35	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.94	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	3.34	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	3.59	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	3.26	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.67	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.77	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	2.04	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.67	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	3.44	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	3.90	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	3.99	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	4.46	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	5.01	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	26.98	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	33.23	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	31.36	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	39.21	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	39.58	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	49.85	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	48.08	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	60.41	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	107.31	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	117.27	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	12.88	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.65	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	16.43	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	20.44	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	24.55	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	42.95	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	3.40	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.54	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.66	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.59	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	21.65	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	25.26	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	28.98	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	74.23	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	78.39	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	82.72	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	90.47	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	42.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	559.32	59.17
		For >100 To 249, Deduct	*-64.60*	
		For >249 To 749, Deduct	*-77.52*	
		For >749, Deduct	*-86.14*	
		For Up To 9, Add	*702.01*	
		For >9 To 24, Add	*279.94*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	587.19	59.17
		For >100 To 249, Deduct	*-68.78*	
		For >249 To 749, Deduct	*-82.54*	
		For >749, Deduct	*-91.71*	
		For Up To 9, Add	*701.58*	
		For >9 To 24, Add	*279.72*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	713.62	59.17
		For >100 To 249, Deduct	*-87.75*	
		For >249 To 749, Deduct	*-105.30*	
		For >749, Deduct	*-117.00*	
		For Up To 9, Add	*701.98*	
		For >9 To 24, Add	*280.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms	741.86	59.17
		For >100 To 249, Deduct	*-91.98*	
		For >249 To 749, Deduct	*-110.38*	
		For >749, Deduct	*-122.64*	
		For Up To 9, Add	*699.07*	
		For >9 To 24, Add	*282.08*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	493.08	59.17
		For >100 To 249, Deduct	*-54.67*	
		For >249 To 749, Deduct	*-65.60*	
		For >749, Deduct	*-72.89*	
		For Up To 9, Add	*703.37*	
		For >9 To 24, Add	*280.62*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	498.65	59.17
		For >100 To 249, Deduct	*-55.50*	
		For >249 To 749, Deduct	*-66.60*	
		For >749, Deduct	*-74.00*	
		For Up To 9, Add	*703.02*	
		For >9 To 24, Add	*281.21*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	522.58	59.17
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-59.09*	
		For >249 To 749, Deduct	*-70.91*	
		For >749, Deduct	*-78.79*	
		For Up To 9, Add	*701.21*	
		For >9 To 24, Add	*279.70*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	381.17	59.17
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-37.88*	
		For >249 To 749, Deduct	*-45.46*	
		For >749, Deduct	*-50.51*	
		For Up To 9, Add	*691.93*	
		For >9 To 24, Add	*277.78*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	423.25	59.17
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-44.19*	
		For >249 To 749, Deduct	*-53.03*	
		For >749, Deduct	*-58.92*	
		For Up To 9, Add	*692.33*	
		For >9 To 24, Add	*276.93*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	585.53	59.17
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-68.53*	
		For >249 To 749, Deduct	*-82.24*	
		For >749, Deduct	*-91.38*	
		For Up To 9, Add	*726.46*	
		For >9 To 24, Add	*292.41*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	608.14	59.17
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-71.93*	
		For >249 To 749, Deduct	*-86.31*	
		For >749, Deduct	*-95.90*	
		For Up To 9, Add	*695.28*	
		For >9 To 24, Add	*278.11*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.33*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.93*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	183.49	
		For >100 To 249, Deduct	*-25.59*	
		For >249 To 749, Deduct	*-30.71*	
		For >749, Deduct	*-34.13*	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	186.77	
		For >100 To 249, Deduct	*-26.09*	
		For >249 To 749, Deduct	*-31.30*	
		For >749, Deduct	*-34.78*	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	195.33	
		For >100 To 249, Deduct	*-27.37*	
		For >249 To 749, Deduct	*-32.84*	
		For >749, Deduct	*-36.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	183.49	
		For >100 To 249, Deduct	*-25.59*	
		For >249 To 749, Deduct	*-30.71*	
		For >749, Deduct	*-34.13*	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	196.05	
		For >100 To 249, Deduct	*-27.48*	
		For >249 To 749, Deduct	*-32.97*	
		For >749, Deduct	*-36.64*	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	14.70	

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*
Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

12 62 23 00-0003	SEA	2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat	185.75	4.81
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*
Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence.	245.73	4.81
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence.	280.59	5.05
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence.	292.88	5.28
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*
Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	387.49	5.40
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	443.53	5.68
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	481.29	6.01
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

END OF SECTION 12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	33,251.38	3,580.46
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	37,506.99	3,580.46
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	19,591.48	1,432.18
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	23,023.03	1,432.18
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	7,243.28	664.53

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	9,293.84	529.91
		For Wheel Adjuster, Add	*127.97*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	6,004.94	529.91
		For Wheel Adjuster, Add	*127.97*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	3,328.32	439.68
		For Wheel Adjuster, Add	*117.93*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	4,355.32	469.75
		For Wheel Adjuster, Add	*121.26*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	5,360.20	501.27
		For Wheel Adjuster, Add	*124.73*	

13 11 46 00-0013 Heavy-Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	1,792.14	204.80
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,660.13	204.80
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	2,057.91	236.31
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	3,270.29	236.31

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	4,623.62	529.91
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	6,014.91	529.91

13 11 46 00-0021 Underwater Lights *(13 11 46)*

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	521.17	169.71
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	512.82	169.71

13 11 46 00-0024 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	16.25	6.72
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	16.16	6.72

13 11 46 00-0027 Slides With Water Tube *(13 11 46)*

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide	6,682.03	805.61

13 11 46 00-0029 Curved Slides With Water Tube *(13 11 46)*

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	12,944.15	1,096.05

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,411.14	197.15
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,658.81	201.49
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,694.62	206.36
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,825.26	211.23
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,957.19	216.65
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,238.81	222.07
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,130.00	228.03
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,902.80	233.98
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,979.35	240.48
13 12 13 00-0011	EA	Aerator Nozzle	913.79	108.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat 99.49 9.62

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat 154.71 10.82

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free-standing base buildings have a live load of 12 pounds per square foot (PSF) and a wind load of 16.4 pounds per square foot (PSF) (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004 GSF 10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 29.57 8.51

For 20' To 29' In Length Only, Add	*2.97*
For 30' To 49' In Length Only, Add	*2.33*
For 50' To 69' In Length Only, Add	*1.36*
For 70' To 99' In Length Only, Add	*0.56*
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.89*
For >3 In 12 Slope To 5 In 12 Slope, Add	*1.48*
For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.22*
For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.88*
For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.55*
For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.62*
For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.10*
For Single Slope Frame Roof, Add	*1.56*
For Each SF Of 24 Gauge Wall Panel, Add	*0.84*
For Each SF Of Lap Roof, Deduct	*-0.76*
For Each SF Of Hip Roof, Add	*1.15*
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*

13 34 19 00-0005 GSF 12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 31.77 9.36

For 20' To 29' In Length Only, Add	*3.06*
For 30' To 49' In Length Only, Add	*2.40*
For 50' To 69' In Length Only, Add	*1.40*
For 70' To 99' In Length Only, Add	*0.58*
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*
For >3 In 12 Slope To 5 In 12 Slope, Add	*1.59*
For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.38*
For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.10*
For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.81*
For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.04*
For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.62*
For Single Slope Frame Roof, Add	*1.61*
For Each SF Of 24 Gauge Wall Panel, Add	*0.90*
For Each SF Of Lap Roof, Deduct	*-0.76*
For Each SF Of Hip Roof, Add	*1.26*
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.25	10.32
		For 20' To 29' In Length Only, Add	*3.14*	
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.03*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.71*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.34*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.51*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.22*	
		For Single Slope Frame Roof, Add	*1.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.94	11.29
		For 20' To 29' In Length Only, Add	*3.29*	
		For 30' To 49' In Length Only, Add	*2.58*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.11*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.77*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.43*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.02*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.87*	
		For Single Slope Frame Roof, Add	*1.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.04*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.72	12.26
		For 20' To 29' In Length Only, Add	*3.46*	
		For 30' To 49' In Length Only, Add	*2.72*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.19*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.98*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.55*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.53*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.11*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	43.60	13.16
		For 20' To 29' In Length Only, Add	*3.99*	
		For 30' To 49' In Length Only, Add	*3.13*	
		For 50' To 69' In Length Only, Add	*1.83*	
		For 70' To 99' In Length Only, Add	*0.76*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.31*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*4.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*8.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*10.46*	
		For Single Slope Frame Roof, Add	*2.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.23*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	49.04	15.09
		For 20' To 29' In Length Only, Add	*4.33*	
		For 30' To 49' In Length Only, Add	*3.41*	
		For 50' To 69' In Length Only, Add	*1.99*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*4.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*9.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*11.77*	
		For Single Slope Frame Roof, Add	*2.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0011		>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0002)		
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.97	6.77
		For 30' To 49' In Length Only, Add	*2.18*	
		For 50' To 69' In Length Only, Add	*1.27*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.00*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.74*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.99*	
		For Single Slope Frame Roof, Add	*1.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.70	7.38
		For 30' To 49' In Length Only, Add	*2.24*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.07*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.41*	
		For Single Slope Frame Roof, Add	*1.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.02*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.22	8.00
		For 30' To 49' In Length Only, Add	*2.29*	
		For 50' To 69' In Length Only, Add	*1.34*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.77*	
		For Single Slope Frame Roof, Add	*1.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.09*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.35	8.70
		For 30' To 49' In Length Only, Add	*2.41*	
		For 50' To 69' In Length Only, Add	*1.41*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.28*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.64*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.28*	
		For Single Slope Frame Roof, Add	*1.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.87*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.18*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.85	9.36
		For 30' To 49' In Length Only, Add	*2.64*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.99*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.94*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.24*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.88*	
		For Single Slope Frame Roof, Add	*1.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.94*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.26*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.19	10.00
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.06*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.22*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.69*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.45*	
		For Single Slope Frame Roof, Add	*1.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.01*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.35*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.66	11.29
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.74*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.16*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.77*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.64*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.35*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.28*	
		For Single Slope Frame Roof, Add	*1.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.10*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.10	4.71
		For 30' To 49' In Length Only, Add	*1.90*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.58*	
		For Single Slope Frame Roof, Add	*1.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.91	4.96
		For 30' To 49' In Length Only, Add	*1.96*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.94*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.78*	
		For Single Slope Frame Roof, Add	*1.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.70	5.18
		For 30' To 49' In Length Only, Add	*2.02*	
		For 50' To 69' In Length Only, Add	*1.18*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.93*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.97*	
		For Single Slope Frame Roof, Add	*1.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.74*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.04	5.99
		For 30' To 49' In Length Only, Add	*2.14*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.76*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.38*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.53*	
		For Single Slope Frame Roof, Add	*1.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.91	6.67
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.29*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.73*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.98*	
		For Single Slope Frame Roof, Add	*1.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.69	7.35
		For 30' To 49' In Length Only, Add	*2.27*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.07*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.41*	
		For Single Slope Frame Roof, Add	*1.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.84	8.32
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.90*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.91*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.16*	
		For Single Slope Frame Roof, Add	*1.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.86*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.13*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.28	6.77
		For 20' To 29' In Length Only, Add	*2.86*	
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.21	7.39
		For 20' To 29' In Length Only, Add	*3.02*	
		For 30' To 49' In Length Only, Add	*2.37*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.36*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.65*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.27*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.17*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.79*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.12	8.00
		For 20' To 29' In Length Only, Add	*3.17*	
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.87*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.84*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.53*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.09*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.55	8.70
		For 20' To 29' In Length Only, Add	*3.41*	
		For 30' To 49' In Length Only, Add	*2.68*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.79*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.18*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.70	9.38
		For 20' To 29' In Length Only, Add	*3.59*	
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.01*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.53*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.26*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	35.86	10.06
		For 20' To 29' In Length Only, Add	*3.76*	
		For 30' To 49' In Length Only, Add	*2.96*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.08*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.50*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.30*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.81*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.03*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.35*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	40.31	11.48
		For 20' To 29' In Length Only, Add	*4.12*	
		For 30' To 49' In Length Only, Add	*3.24*	
		For 50' To 69' In Length Only, Add	*1.89*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.21*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.84*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.15*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0036		**>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings** *(13 34 19 00-0027)*		
13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.71	5.99
		For 30' To 49' In Length Only, Add	*2.06*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.73*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.33	6.55
		For 30' To 49' In Length Only, Add	*2.15*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.91*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.94	7.10
		For 30' To 49' In Length Only, Add	*2.23*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.30*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.53*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.93*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.98*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.63	7.61
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.25*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.63*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.80*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.04*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.36	8.16
		For 30' To 49' In Length Only, Add	*2.46*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.47*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.05*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.11*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.06	8.70
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.93*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.73*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.89*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.18*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.90	9.93
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.05*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.38*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.00*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.33*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.40	4.71
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.33*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.69*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.50	5.03
		For 30' To 49' In Length Only, Add	*2.05*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.56	5.35
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.51*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.10*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.59*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.17*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.69	5.68
		For 30' To 49' In Length Only, Add	*2.22*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.72*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.12	6.06
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.39	6.39
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.82*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.42	7.26
		For 30' To 49' In Length Only, Add	*2.71*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.77*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.41*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.00*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.73	5.54
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.94*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.79*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.13	5.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.25	6.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.79*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.35	6.58
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.83*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.91*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	26.41	7.15
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.98*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.17*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.02*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.05	4.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.28	5.23
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.98*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.43*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.41	5.54
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.57*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.07*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.14*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.79*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.37	5.80
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.68*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.25*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.37*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.82*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.24	6.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.36*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.88*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.50	4.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.31*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.71*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.33*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.35	4.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.33	4.77
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.14	4.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.83*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.83	5.42
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.15*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.99	4.13
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.69	4.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.53	4.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.39*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.22*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.30	4.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.63*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.92	5.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.51*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.97*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.02*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.01	4.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.28*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.71	4.52
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.13*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.68	4.39
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.39	4.58
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.41*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	20.49	4.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*		
13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.97	3.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.50	4.06
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.98*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.14*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.96*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.14	4.22
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.67*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.06*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.26*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.75	4.39
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.13*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.26*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	19.84	4.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.38*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0090		Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091		Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*		

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092	GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.31	3.74
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.15*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.49*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.84*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.91*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.67*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.56*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.93	3.87
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.19*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.55*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.91*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.03*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.82*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.58*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.48	4.00
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.24*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.61*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.98*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.13*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.96*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.60*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.98	4.13
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.04*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.23*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.08*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.61*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.13	4.52
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.87*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.30*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.63*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.59*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.66*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098	GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.04	3.61
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.13*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.47*	
	For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.80*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.86*	
	For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.61*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.55*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.58	3.74
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.87*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.74*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.15	3.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.94*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.07*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.70	4.00
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.00*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.17*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.68	4.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.24*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.55*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.79	3.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.81*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.24	3.61
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.83*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.83	3.74
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.01*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.40	3.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.97*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.42	4.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.42*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	479.33	144.49
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	712.04	187.06
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	808.67	177.38
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	868.22	180.60
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	918.69	187.06
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	464.68	144.49
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	523.09	164.22
13 34 19 00-0118	LF	Additional Girts	13.43	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	15.73	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	19.06	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	22.02	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	25.43	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

13 34 19 00-0124 Roofing Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge standing seam roof panels.

13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.62	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	26.72	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	28.41	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	29.78	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	215.20	55.47
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	28.00	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.40	0.41
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.55	0.41
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.75	0.54
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.00	0.54
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.47	0.54
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.67	0.41
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.82	0.41
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.96	0.54
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.16	0.54
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.56	0.54
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.59	0.41
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.76	0.41
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.07	0.54
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.27	0.54
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.64	0.54
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.49	0.41
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.58	0.41
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.77	0.54
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.18	0.54
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.50	0.41
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.60	0.41
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.80	0.54
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.23	0.54
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.95	0.41
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.08	0.41
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.28	0.54
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.71	0.54
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	48.52	10.06
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	73.36	7.22
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	99.02	16.13
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*23.14*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*13.24*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	82.73	13.55
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*19.33*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*11.06*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	62.84	11.61
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*14.55*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*8.27*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	121.20	24.51
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	81.34	14.83
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	47.29	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	59.17	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	71.33	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	83.32	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	106.91	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	63.10	
		For 24 Gauge, Add	*6.99*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	78.89	
		For 24 Gauge, Add	*8.82*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	94.91	
		For 24 Gauge, Add	*10.56*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	110.93	
		For 24 Gauge, Add	*12.31*	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	141.83	
		For 24 Gauge, Add	*15.86*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	760.77	201.24
13 34 19 00-0179	EA	12" Rotary Vent With Damper	461.72	129.00
13 34 19 00-0180	EA	20" Rotary Vent With Damper	814.89	172.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0181	EA	24" Rotary Vent With Damper	1,080.23	193.50
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,237.55	258.00
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,319.67	258.00
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,534.63	258.00
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,676.11	258.00
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,831.73	258.00
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,987.35	258.00
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,611.52	322.50
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,866.18	322.50

13 34 19 00-0190 Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	11.08	3.23
		For Galvanized Instead Of Painted, Deduct	*-1.16*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	10.88	4.52
		For Galvanized Instead Of Painted, Deduct	*-0.46*	

13 34 23 Fabricated Structures *(13 34)*

13 34 23 13 Portable and Mobile Buildings *(13 34 23)*

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	473.97
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	406.62
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	325.50
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	257.51
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	230.10

13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	71.60	
		For Each Delivery And Set-up (Block And Level), Add	*1,468.16*	
		For Each Knock-Down And Pick-Up, Add	*1,194.05*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	100.24	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*3,254.61*	
		For Each Knock-Down And Pick-Up, Add	*2,617.85*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,073.98	

13 34 23 13-0011 Portable and Mobile Trailer Accessories *(13 34 23 13)*

13 34 23 13-0012 Skirting *(13 34 23 13-0011)*

Note: Includes 2" x 4" wood framing 16" on center.

13 34 23 13-0013 Vinyl Covered, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	6.21	2.45
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	9.18	4.03

13 34 23 13-0016 Fiberglass, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	11.62	4.61
13 34 23 13-0018	SF	3' High Fiberglass Skirt	13.51	5.62

13 34 23 13-0019 Plywood, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	10.83	4.90
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	12.84	5.91

13 34 23 13-0022 Steel, Painted, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	12.20	4.61
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	14.20	5.62

13 34 23 13-0025 14" x 14" Access Hatch *(13 34 23 13-0011)*

Note: Simple design.

13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	306.21	108.16
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	273.97	108.16
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	304.17	108.16
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	305.84	108.16

13 34 23 13-0030 Aluminum Modular Access Ramp *(13 34 23 13-0011)*

Note: Includes picketed guardrails, inside grab rails, legs and hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0031	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,919.55	36.02
13 34 23 13-0032	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,962.78	46.83
13 34 23 13-0033	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,150.28	72.04
13 34 23 13-0034	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,780.51	72.04
13 34 23 13-0035	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,120.34	46.83
13 34 23 13-0036	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,077.11	36.02
13 34 23 13-0037	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,691.98	46.83
13 34 23 13-0038	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,043.53	46.83
13 34 23 13-0039	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,043.53	46.83
13 34 23 13-0040	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,600.89	46.83
13 34 23 13-0041	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,154.31	46.83

13 34 23 13-0042 Relocate Portable And Mobile Trailer *(13 34 23 13)*

Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0078 for escort vehicle, 13 34 23 13-0012 for skirting, 26 05 46 00-0060 for anchors.

13 34 23 13-0043	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation Note: Includes securing interior, mounting tires, and mounting trailer hitch	971.45
13 34 23 13-0044	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.	4,717.94
13 34 23 13-0045	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer Note: Per trailer	427.44
13 34 23 13-0046	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer Note: Per trailer	544.01
13 34 23 13-0047	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer Note: Per trailer	660.59
13 34 23 13-0048	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer Note: Per trailer	1,321.18
13 34 23 13-0049	MI	Transportation And Delivery Of Trailer See CSI section 01 22 20 00-0079 for escort vehicle service (when required).	20.92
13 34 23 13-0050	EA	Re-connect 24' Wide Double Trailer Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0053 for blocking and leveling of each section.	9,467.56
13 34 23 13-0051	EA	Set-up (Block And Level) Trailer, 8' Wide x Up To 35' Long Note: Per trailer	534.30
13 34 23 13-0052	EA	Set-up (Block And Level) Trailer, 10' Wide x 40' To 50' Long Note: Per trailer	680.02
13 34 23 13-0053	EA	Set-up (Block And Level) Trailer, 12' Wide x 45' To 60' Long Note: Per trailer	825.74
13 34 23 13-0054	EA	Set-up (Block And Level) Trailer, 24' Wide x 45' To 60' Long Note: Per trailer	1,651.47
13 34 23 13-0055	EA	Connection Straps To Anchor Note: Includes straps per each anchor See CSI section 26 05 46 00-0060 for anchors.	24.29

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001 Semi-Permanent Modular Transportable Buildings *(13 34 23 14)*

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	106.68
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Each Delivery And Set-up (Block And Level), Add	*3,254.61*
		For Each Knock-Down And Pick-Up, Add	*2,617.85*
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	109.84
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Each Delivery And Set-up (Block And Level), Add	*3,254.61*
		For Each Knock-Down And Pick-Up, Add	*2,617.85*

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001 Fabricated Parking Attendant Booths *(13 34 23 16)*

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	2,155.41

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12', 8' Eve Height, Pavilion Style Metal Shelter Structure	13,769.16	3,441.79
		For >90 To 100 MPH Wind Load, Add	*1,170.38*	
		For >100 To 110 MPH Wind Load, Add	*1,342.49*	
		For >110 To 120 MPH Wind Load, Add	*1,721.15*	
		For >8' To 10' Eve Height At Perimeter, Add	*903.42*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,686.26*	
		For >12' To 14' Eve Height At Perimeter, Add	*2,598.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0003	EA	16' x 16', 8' Eve Height, Pavilion Style Metal Shelter Structure	16,768.96	4,128.08
		For >90 To 100 MPH Wind Load, Add	*1,425.36*	
		For >100 To 110 MPH Wind Load, Add	*1,634.97*	
		For >110 To 120 MPH Wind Load, Add	*2,096.12*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,095.17*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,040.72*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,144.93*	
13 34 23 31-0004	EA	16' x 32', 8' Eve Height, Pavilion Style Metal Shelter Structure	23,554.61	6,192.12
		For >90 To 100 MPH Wind Load, Add	*2,002.14*	
		For >100 To 110 MPH Wind Load, Add	*2,296.57*	
		For >110 To 120 MPH Wind Load, Add	*2,944.33*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,570.81*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,949.17*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,541.52*	
13 34 23 31-0005	EA	20' x 20', 8' Eve Height, Pavilion Style Metal Shelter Structure	21,022.70	5,160.10
		For >90 To 100 MPH Wind Load, Add	*1,786.93*	
		For >100 To 110 MPH Wind Load, Add	*2,049.71*	
		For >110 To 120 MPH Wind Load, Add	*2,627.84*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,371.73*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,555.21*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,937.93*	
13 34 23 31-0006	EA	20' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	26,647.33	6,450.12
		For >90 To 100 MPH Wind Load, Add	*2,265.02*	
		For >100 To 110 MPH Wind Load, Add	*2,598.11*	
		For >110 To 120 MPH Wind Load, Add	*3,330.92*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,731.27*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,219.84*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,963.00*	
13 34 23 31-0007	EA	20' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	32,775.93	7,920.75
		For >90 To 100 MPH Wind Load, Add	*2,785.95*	
		For >100 To 110 MPH Wind Load, Add	*3,195.65*	
		For >110 To 120 MPH Wind Load, Add	*4,096.99*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,127.67*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,955.87*	
		For >12' To 14' Eve Height At Perimeter, Add	*6,097.68*	
13 34 23 31-0008	EA	24' x 24', 8' Eve Height, Pavilion Style Metal Shelter Structure	26,260.32	6,192.12
		For >90 To 100 MPH Wind Load, Add	*2,232.13*	
		For >100 To 110 MPH Wind Load, Add	*2,560.38*	
		For >110 To 120 MPH Wind Load, Add	*3,282.54*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,692.56*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,138.57*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,839.15*	
13 34 23 31-0009	EA	24' x 48', 8' Eve Height, Pavilion Style Metal Shelter Structure	42,706.24	9,636.49
		For >90 To 100 MPH Wind Load, Add	*3,630.03*	
		For >100 To 110 MPH Wind Load, Add	*4,163.86*	
		For >110 To 120 MPH Wind Load, Add	*5,338.28*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,716.44*	
		For >10' To 12' Eve Height At Perimeter, Add	*5,012.20*	
		For >12' To 14' Eve Height At Perimeter, Add	*7,731.83*	
13 34 23 31-0010	EA	30' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	37,582.09	7,740.16
		For >90 To 100 MPH Wind Load, Add	*3,194.48*	
		For >100 To 110 MPH Wind Load, Add	*3,664.25*	
		For >110 To 120 MPH Wind Load, Add	*4,697.76*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,329.76*	
		For >10' To 12' Eve Height At Perimeter, Add	*4,256.18*	
		For >12' To 14' Eve Height At Perimeter, Add	*6,572.18*	
13 34 23 31-0011	EA	30' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	71,611.50	13,983.88
		For >90 To 100 MPH Wind Load, Add	*6,086.98*	
		For >100 To 110 MPH Wind Load, Add	*6,982.12*	
		For >110 To 120 MPH Wind Load, Add	*8,951.44*	
		For >8' To 10' Eve Height At Perimeter, Add	*4,393.22*	
		For >10' To 12' Eve Height At Perimeter, Add	*7,992.76*	
		For >12' To 14' Eve Height At Perimeter, Add	*12,347.20*	
13 34 23 31-0012	EA	40' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	63,140.89	12,390.69
		For >90 To 100 MPH Wind Load, Add	*5,366.98*	
		For >100 To 110 MPH Wind Load, Add	*6,156.24*	
		For >110 To 120 MPH Wind Load, Add	*7,892.61*	
		For >8' To 10' Eve Height At Perimeter, Add	*3,863.04*	
		For >10' To 12' Eve Height At Perimeter, Add	*7,020.55*	
		For >12' To 14' Eve Height At Perimeter, Add	*10,846.54*	
13 34 23 31-0013	EA	40' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	92,901.94	17,208.93
		For >90 To 100 MPH Wind Load, Add	*7,896.66*	
		For >100 To 110 MPH Wind Load, Add	*9,057.94*	
		For >110 To 120 MPH Wind Load, Add	*11,612.74*	
		For >8' To 10' Eve Height At Perimeter, Add	*5,599.62*	
		For >10' To 12' Eve Height At Perimeter, Add	*10,115.21*	
		For >12' To 14' Eve Height At Perimeter, Add	*15,637.32*	

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	13,661.71	973.74
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	32,381.07	1,303.86
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	137.78	9.23
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	103.60	9.23
13 42 63 16-0005	SF	Perforated Metal Crime Shield	99.49	3.82

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*

See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

See CSI section 13 46 13 00-0015 for air terminal base.

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	55.86	13.55
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	70.21	13.55
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	89.04	13.55
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	99.30	13.55
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	187.75	27.10

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	43.83	13.55
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	56.68	13.55
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	68.86	13.55
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	77.02	13.55
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	141.89	27.10

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

See CSI section 13 46 13 00-0002 for air terminal rod.

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	123.73	40.64
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	153.17	54.19
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	212.33	67.74
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	153.17	54.19
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	167.36	54.19
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	290.84	108.38
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	208.61	67.74
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	123.73	40.64

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	84.50	40.64
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	126.01	54.19
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	162.82	67.74
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	126.18	54.19
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	128.66	54.19
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	238.14	108.38
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	167.24	67.74
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	84.50	40.64

13 46 13 00-0034 Connectors *(13 46 13 00-0001)*

13 46 13 00-0035 Copper Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	249.88	67.74
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	329.17	108.38
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	214.91	67.74
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	54.62	13.55
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	57.54	13.55
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	172.26	40.64

13 46 13 00-0042 Aluminum Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	170.43	67.74
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	248.31	108.38
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	165.12	67.74
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	35.80	13.55
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	106.58	40.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0048		Bonding Plates *(13 46 13 00-0001)*		
13 46 13 00-0049		Copper Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	181.11	67.74
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	189.78	67.74
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	276.96	108.38
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	153.63	67.74
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	156.46	67.74
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	230.89	108.38
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	34.25	13.55
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	35.89	13.55
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	30.41	13.55
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	30.22	13.55
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	97.67	40.64
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	78.49	40.64
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	45.20	6.77
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	24.11	6.77
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	204.01	67.74

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	441.16	193.75
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	653.97	280.02
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	891.20	360.24
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,268.33	504.03
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)*		
		Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	664.10	274.84
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	1,032.02	383.78
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	773.48	240.17
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,182.29	320.64
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air-Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,340.38	390.18
13 47 13 13-0015	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,535.02	390.18
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,542.45	451.14
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,750.99	451.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.30	0.49
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,810.45	960.69
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	3,204.86	960.69
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	3,796.47	960.69
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	4,782.49	960.69
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	6,057.30	1,058.49
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	6,796.82	1,058.49
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	8,029.35	1,058.49
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	11,177.22	1,153.82
13 47 13 13-0030		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	339.50	112.44

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0001		Seismic Bracing Assembly *(13 48 53)*		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	198.77	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	189.21	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	285.31	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	370.58	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	387.32	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	577.07	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	766.80	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	221.03	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	327.63	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	434.23	
13 48 53 00-0012		Seismic Brace Components *(13 48 53)*		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	36.77	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	50.73	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	67.50	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	92.61	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	34.49	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	46.78	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	61.71	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	83.65	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	41.95	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	55.56	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	77.51	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	74.00	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	104.29	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	142.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	31.23	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	38.25	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	47.91	

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

13 48 63 00-0001 Seismic Restraints *(13 48 63)*

13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	6.09	1.43
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.66	0.72
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	7.95	1.79
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.94	0.90
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.51	1.04
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.54	1.26
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.42	1.08
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.88	1.08
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.64	0.72
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.75	2.15
13 48 63 00-0012	LF	Seismic Chord, Black	3.33	1.08
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.35	1.08

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	49.05	8.59
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	82.33	9.31
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	145.37	10.02
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	276.33	12.89

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	12,359.23	182.86
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	13,128.04	182.86
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	13,508.71	219.43
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	14,431.29	219.43

13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	26,571.08	292.57
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	27,647.43	292.57
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	28,489.45	329.14
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	30,715.21	365.71

13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	40,402.28	365.71
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	42,401.20	365.71
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	43,316.30	438.85
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	46,464.58	475.42

13 49 16 00-0017 X-Ray Barriers, Mobile *(13 49 16)*

Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	8,528.58	35.81

13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	15,140.39	35.81
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	18,215.65	35.81

13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	17,908.12	35.81
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	22,674.78	35.81

13 49 19 Lead-Lined Materials *(13 49)*

13 49 19 16 Lead-Lined Drywall *(13 49 19)*

13 49 19 16-0001 Lead Lined Drywall *(13 49 19 16)*

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	26.82	1.88
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	46.56	2.25
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	84.21	2.70

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	668.63	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	891.49	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	557.18	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	557.18	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	334.31	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	218.51	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	273.13	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,590.71	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,988.39	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	795.36	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,789.56	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,193.04	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,783.75	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,181.43	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,386.07	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,982.59	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,590.71	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,483.84	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,794.33	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,483.84	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,483.84	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,483.84	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	45,210.18	9,819.30
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,219.54*	
		For An Additional Stop, Add *Note: Includes Removal.*	*11,019.74*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	48,779.05	11,864.98
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,318.84*	
		For An Additional Stop, Add *Note: Includes Removal.*	*11,660.00*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	57,813.08	13,501.53
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*11,907.56*	
		For An Additional Stop, Add *Note: Includes Removal.*	*14,774.38*	
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,069.33	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	80.95	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	892.14	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,713.58	818.27
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,005.81	818.27
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	8,786.30	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	9,580.66	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	9,296.67	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	10,091.03	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	99.93	23.38
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	85.83	23.38
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.16	3.07
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,805.87	613.71
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,084.05	3,426.52
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	3,014.05	818.27
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	508.93	204.57
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	498.51	409.14
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	684.88	358.00
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,281.98	818.27
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	680.31	378.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	498.51	409.14
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	750.71	409.14
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,261.99	818.27
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,176.71	409.14
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	8,674.92	1,636.55
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	9,377.93	1,636.55
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	2,931.40	409.14
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	9,675.81	1,636.55
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,158.75	409.14
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,882.76	409.14
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	276.06	204.57
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,773.53	409.14
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.96	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	6,546.20	3,273.10
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.79	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,232.94	818.27
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,410.38	818.27
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,069.16	818.27
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	9,675.81	1,636.55
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,031.70	409.14
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,513.33	409.14
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	908.60	409.14
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,922.47	409.14
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	227.81	204.57
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	51,324.61	6,546.20
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	29,678.30	6,546.20
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	46,153.99	6,546.20
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,765.51	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,983.96	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,224.26	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,486.40	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,547.06	409.14
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	57,370.69	6,546.20
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	150.10	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	159.99	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	166.77	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,454.03	818.27
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,242.13	818.27
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,341.42	818.27
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,440.72	818.27
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,559.87	818.27
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,405.47	818.27
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,405.47	818.27
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,377.27	818.27
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,363.17	818.27
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,309.47	207.98
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,585.35	249.58
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,754.24	291.18
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	245.82	204.57
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	251.32	204.57
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	168.76	48.13
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	162.28	48.13
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	192.55	48.13
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	213.04	48.13
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	243.54	48.13
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	196.36	48.13
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	223.29	48.13
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	346.85	48.13
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	389.59	48.13
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	161.25	48.13
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	162.90	48.13
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	207.64	48.13
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	194.45	48.13
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	208.51	48.13
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	260.96	48.13

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113		LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	201.13	48.13
14 01 20 71-0114		LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	205.65	48.13
14 01 20 71-0115		LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	343.63	48.13
14 01 20 71-0116		LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	225.91	48.13
14 01 20 71-0117		LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	344.51	48.13
14 01 20 71-0118		LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	389.59	48.13

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002		EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	918.73
14 01 30 71-0003		HR	Escalator Servicing, Labor Only	218.51
14 01 30 71-0004		EA	Acceptance Test Of Escalators And Moving Walks	5,053.00

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006		EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,239.11
14 01 30 71-0007		EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,398.80
14 01 30 71-0008		EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,515.95
14 01 30 71-0009		EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,713.19
14 01 30 71-0010		LF	Removal And Replacement Of Sliding Handrail	210.30

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002		EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	362,876.02
	For Each Opening With Bonderized Steel Door, Add			*280.64*
	For Each Opening With Stainless Steel Doors, Add			*701.60*
	For Each Opening With Two Speed Doors, Add			*841.92*
	For Custom Plastic Laminated Cab Interiors, Add			*3,721.20*
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add			*5,581.80*
	For Stainless Steel Cab Interior, Add			*7,442.40*
	For Elevator With Manual Door, Deduct			*-10,000.00*
	For Class "C-1" Loading, Add			*1,549.88*
	For Class "C-2" Loading, Add			*1,860.60*
	For Class "C-3" Loading, Add			*2,545.30*
	For Removal Of Existing Stop, Add			*10,060.23*
	For Each Additional Stop, Add			*38,174.78*
	For Each Floor < 6 Stops, Deduct			*-32,862.89*
	For Each Additional 50 FPM, Add			*5,581.80*
	For Removal Of Existing Elevator, Add			*50,301.15*
14 21 13 00-0003		EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	383,753.72
	For Each Opening With Bonderized Steel Door, Add			*280.64*
	For Each Opening With Stainless Steel Doors, Add			*701.60*
	For Each Opening With Two Speed Doors, Add			*841.92*
	For Custom Plastic Laminated Cab Interiors, Add			*3,721.20*
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add			*5,581.80*
	For Stainless Steel Cab Interior, Add			*7,442.40*
	For Elevator With Manual Door, Deduct			*-10,000.00*
	For Class "C-1" Loading, Add			*3,099.76*
	For Class "C-2" Loading, Add			*3,721.20*
	For Class "C-3" Loading, Add			*5,157.58*
	For Removal Of Existing Stop, Add			*10,060.23*
	For Each Additional Stop, Add			*38,174.78*
	For Each Floor < 6 Stops, Deduct			*-32,862.89*
	For Each Additional 50 FPM, Add			*5,581.80*
	For Removal Of Existing Elevator, Add			*50,301.15*
14 21 13 00-0004		EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	406,205.46
	For Elevator With Manual Door, Deduct			*-10,000.00*
	For Class "C-1" Loading, Add			*3,099.76*
	For Class "C-2" Loading, Add			*3,721.20*
	For Class "C-3" Loading, Add			*5,157.58*
	For Custom Plastic Laminated Cab Interiors, Add			*4,651.50*
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add			*6,512.10*
	For Stainless Steel Cab Interior, Add			*8,372.70*
	For Removal Of Existing Stop, Add			*10,060.23*
	For Each Additional Stop, Add			*39,105.08*
	For Each Additional 50 FPM, Add			*5,581.80*
	For Each Opening With Bonderized Steel Door, Add			*279.09*
	For Each Opening With Stainless Steel Doors, Add			*558.18*
	For Each Opening With Two Speed Doors, Add			*697.72*
	For Removal Of Existing Elevator, Add			*50,301.15*
	For Each Floor < 6 Stops, Deduct			*-33,862.89*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	415,966.38	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Each Additional Stop, Add	*39,105.08*	
		For Each Additional 50 FPM, Add	*5,581.80*	
		For Each Opening With Bonderized Steel Door, Add	*279.09*	
		For Each Opening With Stainless Steel Doors, Add	*558.18*	
		For Each Opening With Two Speed Doors, Add	*697.72*	
		For Removal Of Existing Elevator, Add	*50,301.15*	
		For Each Floor < 6 Stops, Deduct	*-33,862.89*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	428,873.60	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Each Additional Stop, Add	*39,105.08*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*50,301.15*	
		For Each Floor < 6 Stops, Deduct	*-33,862.89*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	443,632.72	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Each Additional Stop, Add	*39,105.08*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*50,301.15*	
		For Each Floor < 6 Stops, Deduct	*-33,862.89*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	456,158.44	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Each Additional Stop, Add	*39,105.08*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*50,301.15*	
		For Each Floor < 6 Stops, Deduct	*-33,862.89*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	272,777.61	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	279,947.58	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	286,043.20	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	290,527.57	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	296,248.81	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	301,882.97	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	307,657.41	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For Each Additional Stop, Add	*38,174.78*	
		For Each Floor < 6 Stops, Deduct	*-22,575.27*	
		For Removal Of Existing Elevator, Add	*37,725.88*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	224,747.52	
		For Each Additional Stop, Add	*27,189.97*	
		For 2 Stops, Deduct	*-16,401.33*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	231,896.55	
		For Each Additional Stop, Add	*27,189.97*	
		For 2 Stops, Deduct	*-16,401.33*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	238,663.83	
		For Each Additional Stop, Add	*27,189.97*	
		For 2 Stops, Deduct	*-16,401.33*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	245,220.48	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*25,150.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	258,963.35	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	265,554.08	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	275,512.62	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Each Additional 50 FPM, Add	*15,435.20*	
		For Class "C-1" Loading, Add	*7,749.40*	
		For Class "C-2" Loading, Add	*9,303.00*	
		For Class "C-3" Loading, Add	*12,726.50*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	282,742.27	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	295,091.00	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,593.17*	
		For 2 Stops, Deduct	*-17,401.33*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*10,060.23*	
		For Removal Of Existing Elevator, Add	*37,725.88*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	106.88	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	127.51	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	156,988.64	
		For Each Additional Stop, Add	*27,189.97*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	159,795.04	
		For Each Additional Stop, Add	*27,189.97*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	161,724.44	
		For Each Additional Stop, Add	*27,189.97*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	169,328.32	
		For Each Additional Stop, Add	*27,189.97*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	172,447.28	
		For Each Additional Stop, Add	*27,189.97*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	176,551.64	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*28,593.17*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	180,894.10	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*28,593.17*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*348.41*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Removal Of Existing Stop, Add	*5,030.12*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	135,000.84	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Each Additional Stop, Add	*29,076.27*	
		For An Additional 25 FPM, Add	*2,364.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	140,028.97	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Each Additional Stop, Add	*29,076.27*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	144,862.60	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Each Additional Stop, Add	*29,076.27*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	167,852.02	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*25,150.58*	
		For Each Additional Stop, Add	*29,076.27*	
		For An Additional 25 FPM, Add	*2,364.39*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	100,343.09	
		For Each Additional Stop, Add	*17,778.47*	
		For Removal Of Existing Elevator, Add	*7,545.17*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,516.52	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,784.46	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,875.19	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	967.95	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,768.98	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	4,797.30	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,642.25	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,483.36	
14 27 16 00-0006	EA	Bi-Parting Doors	11,375.23	
14 27 16 00-0007	EA	Power Operated Door And Gate	34,300.94	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,321.61	1,240.71
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	14,109.38	1,859.73
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	21,569.85	2,479.63
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	30,126.72	3,147.19
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	41,586.18	3,719.41
14 28 16 00-0007	EA	Duplex Care Selective Collective	8,653.18	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	5,356.48	
14 28 16 00-0009	EA	Manual Emergency Power Switching	961.90	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	230.36	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	193.60	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,326.95	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	57,350.06	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	93,647.68	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015		EA	Variable Voltage, Overhead Gearless Machine, Maximum	129,787.96	
14 28 16 00-0016		EA	Variable Voltage, Basement Installed Geared Machine, Minimum	24,081.40	
14 28 16 00-0017		EA	Variable Voltage, Basement Installed Geared Machine, Average	29,646.48	
14 28 16 00-0018		EA	Variable Voltage, Basement Installed Geared Machine, Maximum	32,791.96	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002		EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	168,338.69	15,122.05
14 31 00 00-0003		EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	186,664.87	17,871.52
14 31 00 00-0004		EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	203,328.54	20,620.98
14 31 00 00-0005		EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	224,937.26	24,745.17
14 31 00 00-0006		EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	248,325.86	27,494.65
14 31 00 00-0007		EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	177,988.32	16,084.37
14 31 00 00-0008		EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	197,749.98	19,246.25
14 31 00 00-0009		EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	214,403.32	21,995.71
14 31 00 00-0010		EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	241,841.46	27,632.11
14 31 00 00-0011		EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	260,497.64	29,694.21
14 31 00 00-0012		EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	188,093.21	17,046.68
14 31 00 00-0013		EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	209,637.40	20,620.98
14 31 00 00-0014		EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	225,907.88	23,370.44
14 31 00 00-0015		EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	259,933.49	29,144.32
14 31 00 00-0016		EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	275,848.14	31,893.78
14 31 00 00-0017		EA	Escalator Fire Shutter Fusible Link	24,660.30	549.89

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	28,972.95	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,476.75*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,478.04	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,657.36*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	31,983.13	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,837.98*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	8,389.30	1,224.97

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	15,613.57	1,837.46

14 42 16 Vertical Wheelchair Lifts *(14 42)*

14 42 16 00-0001 Wheelchair Lift (Shorty) *(14 42 16)*

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	11,804.68	857.48
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	14,512.42	1,071.85
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	17,256.89	1,393.40
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	19,373.43	1,607.78
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift Note: 500 Lb. capacity, interior installation.	20,267.85	765.61

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001 Trash Chutes *(14 91 82)*

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	40.01	5.57
		For Aluminum, Add	*2.94*	
		For Stainless Steel, Add	*10.28*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	51.31	5.57
		For Aluminum, Add	*3.98*	
		For Stainless Steel, Add	*13.91*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	56.57	6.95
		For Aluminum, Add	*4.41*	
		For Stainless Steel, Add	*15.42*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	86.14	6.95
		For Aluminum, Add	*7.26*	
		For Stainless Steel, Add	*25.40*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	825.16	38.94
		For Aluminum, Add	*74.68*	
		For Stainless Steel, Add	*261.37*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	413.09	76.49
		For Aluminum, Add	*25.98*	
		For Stainless Steel, Add	*90.91*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	289.98	83.44
		For Aluminum, Add	*11.36*	
		For Stainless Steel, Add	*39.77*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	78.26	29.20
		For Aluminum, Add	*1.95*	
		For Stainless Steel, Add	*6.82*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	700.95	104.30
		For Aluminum, Add	*48.05*	
		For Stainless Steel, Add	*168.19*	
14 91 82 00-0011	EA	Hopper Doors	1,588.96	78.00

14 92 Pneumatic Tube Systems *(14 90)*

14 92 00 00-0001 Pneumatic Message Tube Station *(14 92)*

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002	LF	2-1/2" Tube With Bracketing	51.83	17.55
14 92 00 00-0003	LF	3" Tube With Bracketing	62.64	23.63
14 92 00 00-0004	LF	4" Tube With Bracketing	70.28	21.60
14 92 00 00-0005	LF	6" Tube With Bracketing	84.88	27.00
14 92 00 00-0006	LF	4" x 7" Oval Tube With Bracketing	88.94	29.03
14 92 00 00-0007	EA	Blower Assembly	7,499.72	540.11
14 92 00 00-0008	EA	Receiving Station, Round Or Oval	727.18	143.81
14 92 00 00-0009	EA	Multi-Sided Dispatching Station, 3 Carrier	2,776.47	202.54
14 92 00 00-0010	EA	Laboratory Receiving Station, Round Or Oval	1,947.51	182.28
14 92 00 00-0011	EA	2-Way Diverter Station	3,474.64	202.54
14 92 00 00-0012	EA	3-Way Diverter Station	4,444.98	236.30
14 92 00 00-0013	EA	4-Way Diverter Station	5,343.07	270.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression (21)

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems (21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration (21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping (21 01 10 91)

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	531.39	
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	318.83	
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	127.53	
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	63.76	

21 01 10 91-0006 Purge And Refill System Sprinkler Piping (21 01 10 91)

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	445.77	
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	636.64	
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	762.82	
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	953.53	
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	1,239.59	
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	0.62	
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	624.08	
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	891.31	
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,067.96	
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,334.95	
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,735.44	
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.87	
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	858.11	
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,225.55	
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,468.45	
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,835.55	
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	2,386.21	
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1.19	
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,158.45	
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,654.48	
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,757.38	
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,196.72	
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,855.75	
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1.43	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment (21 01)

21 01 30 91 Fire-Suppression Equipment Restoration (21 01 30)

21 01 30 91-0001 Inspection And Recharge (21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	228.49	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.07	
21 01 30 91-0004	EA	Inspection, Halon 1301	228.49	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	73.79	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	138.17	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	69.18	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	138.17	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.15	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	42.51	
21 01 30 91-0011	EA	Disarm/Arm System	74.39	

21 05 Common Work Results for Fire Suppression (21)

21 05 13 Common Motor Requirements for Fire-Suppression Equipment (21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping (21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	50.87	13.41
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	52.85	13.41
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	62.08	13.41
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	65.87	13.41
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	69.66	13.41

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,946.88	211.99
		For >10 To 25, Deduct	*-497.34*	
		For >25, Deduct	*-1,465.50*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,335.26	355.40
		For >10 To 25, Deduct	*-1,016.76*	
		For >25, Deduct	*-3,005.75*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,525.95	505.74
		For >10 To 25, Deduct	*-1,376.30*	
		For >25, Deduct	*-4,065.45*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,913.11	646.21
		For >10 To 25, Deduct	*-1,795.66*	
		For >25, Deduct	*-5,306.69*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,669.78	786.70
		For >10 To 25, Deduct	*-2,533.49*	
		For >25, Deduct	*-7,502.13*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 Lb., Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	70.77	13.54
21 05 23 00-0004	EA	3/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	90.52	14.21
21 05 23 00-0005	EA	1" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	123.62	14.21
21 05 23 00-0006	EA	1-1/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	184.33	18.01
21 05 23 00-0007	EA	1-1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD	216.73	20.85
21 05 23 00-0008	EA	2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	256.72	24.65

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	541.75	22.07
21 05 23 00-0012	EA	3" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	595.39	26.44
21 05 23 00-0013	EA	4" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	625.35	34.79
21 05 23 00-0014	EA	6" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	889.24	56.99
21 05 23 00-0015	EA	8" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	1,279.82	80.18

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	543.53	17.83
21 05 23 00-0018	EA	2-1/2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	554.05	22.07
21 05 23 00-0019	EA	3" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	611.79	26.44
21 05 23 00-0020	EA	4" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	635.61	34.79
21 05 23 00-0021	EA	6" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	887.19	56.99
21 05 23 00-0022	EA	8" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	1,318.78	80.18
21 05 23 00-0023	EA	10" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	2,039.83	108.37

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 Lb., Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	237.96	13.54
21 05 23 00-0027	EA	3/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	281.89	14.21
21 05 23 00-0028	EA	1" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	384.58	14.21
21 05 23 00-0029	EA	1-1/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	511.67	18.01
21 05 23 00-0030	EA	1-1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	669.22	20.85
21 05 23 00-0031	EA	2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	974.11	24.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		**Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0033	EA	2-1/2" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,266.92	180.82
21 05 23 00-0034	EA	3" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,437.90	211.99
21 05 23 00-0035	EA	4" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,000.44	355.40
21 05 23 00-0036	EA	6" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	3,012.21	420.20
21 05 23 00-0037	EA	8" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,805.66	536.93
21 05 23 00-0038	EA	10" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	7,641.94	653.65
21 05 23 00-0039	EA	12" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	10,693.36	793.71
21 05 23 00-0040		**Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)*		
21 05 23 00-0041	EA	2-1/2" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	985.37	180.94
21 05 23 00-0042	EA	3" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,134.73	212.14
21 05 23 00-0043	EA	4" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,340.06	355.65
21 05 23 00-0044	EA	6" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	2,202.94	499.15
21 05 23 00-0045	EA	8" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	3,260.30	574.03
21 05 23 00-0046	EA	10" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	4,786.02	62.40
21 05 23 00-0047	EA	12" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	6,550.64	848.56
21 05 23 00-0048		**Grooved End, Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0049	EA	2-1/2" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	481.38	22.45
21 05 23 00-0050	EA	3" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	487.43	26.56
21 05 23 00-0051	EA	4" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	518.01	34.92
21 05 23 00-0052	EA	6" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	1,535.33	56.99
21 05 23 00-0053	EA	8" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	2,133.32	80.18
21 05 23 00-0054		**Gate Valves** *(21 05 23)*		
21 05 23 00-0055		**Threaded, Bronze Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0056	EA	1" Diameter Threaded, Bronze Gate Valve (Crane 459)	735.05	16.93
21 05 23 00-0057	EA	1-1/4" Diameter Threaded, Bronze Gate Valve (Crane 459)	898.98	18.01
21 05 23 00-0058	EA	1-1/2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,069.25	20.85
21 05 23 00-0059	EA	2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,333.44	24.65
21 05 23 00-0060		**Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,739.20	180.82
21 05 23 00-0062	EA	3" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,049.21	211.99
21 05 23 00-0063	EA	4" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,839.48	355.40
21 05 23 00-0064	EA	6" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,252.15	420.20
21 05 23 00-0065	EA	8" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,308.80	536.93
21 05 23 00-0066	EA	10" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	11,651.44	653.65
21 05 23 00-0067	EA	12" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	15,886.72	793.71
21 05 23 00-0068		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,035.15	180.82
21 05 23 00-0070	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,535.26	211.99
21 05 23 00-0071	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,191.56	355.40
21 05 23 00-0072	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	5,392.77	420.20
21 05 23 00-0073	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,100.45	536.93
21 05 23 00-0074	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,765.96	653.65
21 05 23 00-0075	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	15,246.05	793.71
21 05 23 00-0076		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,835.61	211.99
21 05 23 00-0078	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,516.45	355.40
21 05 23 00-0079	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,504.09	420.20
21 05 23 00-0080	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	6,853.36	536.93
21 05 23 00-0081	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	10,432.94	653.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	13,144.65	793.71
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	478.99	16.93
21 05 23 00-0086	EA	1-1/4" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	523.98	18.01
21 05 23 00-0087	EA	1-1/2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	619.28	20.85
21 05 23 00-0088	EA	2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	744.94	24.65
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" Diameter, 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	250.27	15.45
21 05 23 00-0091	EA	1" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	282.53	18.67
21 05 23 00-0092	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	345.33	23.60
21 05 23 00-0093	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	540.29	27.25
21 05 23 00-0094	EA	2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	567.46	32.18
21 05 23 00-0095	EA	1" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	398.10	18.67
21 05 23 00-0096	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	459.78	23.60
21 05 23 00-0097	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	658.22	27.25
21 05 23 00-0098	EA	2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	688.53	32.18

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0390 for copper pipe, 22 11 16 00-0934 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001		Fire Department Connections *(21 11 19)*		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,070.32	345.40
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,491.74	431.75
		For Polished Chrome, Add	*104.67*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,584.09	345.40
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,094.62	431.75
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,241.99	431.75
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,916.43	456.96
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,225.77	345.40
		For Polished Chrome, Add	*87.81*	
21 11 19 00-0009		Wall Type Indicator Post, Wheel Operated *(21 11 19)*		
		See CSI section 33 14 19 00-0159 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	3,044.04	355.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0011		Upright Indicator Post, Wheel Operated *(21 11 19)*		
21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774) Note: 61-57/100 in. x 2 ft. 6 in. - 7 ft. 3 in Indicator Post	5,892.64	355.40

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001		Fire Hose *(21 12 13)*		
21 12 13 00-0002		Fire Hose Without Couplings *(21 12 13 00-0001)*		
21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.77	2.13
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.23	2.13
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.93	2.13
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.44	2.13
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.12	2.13
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.88	2.13
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.23	2.13
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.11	2.13
21 12 13 00-0011		Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*		
21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.94	1.17
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	12.63	1.39
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	22.59	1.39
21 12 13 00-0015		Fire Hose Accessories *(21 12 13 00-0001)*		
21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	155.87	35.08
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	236.49	39.33
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	92.34	27.64
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	185.28	27.64
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	146.81	27.64
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	211.93	27.64
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	316.20	116.90
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	443.67	116.90

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001		Standpipe Valves *(21 12 23)*		
21 12 23 00-0002	EA	2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	966.68	228.48
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,701.35	228.38
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,243.69	247.04
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	2,760.03	228.38
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	3,264.02	247.04
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,588.83	228.38
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,420.14	247.04
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,182.94	235.78
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,635.50	261.95
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,436.10	235.78
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	5,016.93	261.95
		For Polished Chrome, Add	*554.40*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	6,684.54	314.30
		For Polished Chrome, Add	*620.82*	
21 12 23 00-0014		Fire Hose Angle Valves *(21 12 23)*		
21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	234.15	28.70
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	281.74	28.70
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	264.44	28.70
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	312.03	28.70
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	417.92	47.83
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	487.14	47.83
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	492.91	47.83
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	562.13	47.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29		**Fire-Suppression Fire Hose Equipment** *(21 12)*		
21 12 29 00-0001		Standpipe And Fire Hose Equipment *(21 12 29)*		
21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,547.28	566.37
21 12 29 00-0003	EA	Water Motor Gong	881.50	161.70
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	746.43	18.82
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	252.53	32.18
21 12 29 00-0006	EA	Lever Type Bleeder Valve (Potter BVL)	169.92	32.18
21 12 29 00-0007		Water Flow Detector *(21 12 29)*		
21 12 29 00-0008		Pressure-Type Water Flow Detector *(21 12 29 00-0007)*		
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	393.31	99.02
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	572.59	131.20
21 12 29 00-0011	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	910.42	148.53
21 12 29 00-0012		Vane-Type Water Flow Detector *(21 12 29 00-0007)*		
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	498.98	99.02
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	702.04	131.20
21 12 29 00-0015	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,115.61	148.53
21 13		**Fire-Suppression Sprinkler Systems** *(21 10)*		
21 13 13		**Wet-Pipe Sprinkler Systems** *(21 13)*		
21 13 13 00-0001		Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*		
		Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1554 for individual grooved pipe, 23 21 13 23-1627 for individual grooved pipe fittings.		
21 13 13 00-0002		Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	639.26	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*78.85*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-110.82*	
		For Up To 5, Add	*289.78*	
		For >5 To 10, Add	*178.96*	
		For >10 To 20, Add	*115.03*	
		For >20 To 40, Add	*49.00*	
		For >100 To 150, Deduct	*-63.93*	
		For >150, Deduct	*-127.85*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	824.69	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*98.62*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-139.85*	
		For Up To 5, Add	*380.05*	
		For >5 To 10, Add	*240.20*	
		For >10 To 20, Add	*157.73*	
		For >20 To 40, Add	*66.32*	
		For >100 To 150, Deduct	*-82.47*	
		For >150, Deduct	*-164.94*	
		For Work In Restricted Working Space, Add	*150.52*	
21 13 13 00-0005		Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	625.93	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*77.06*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-108.35*	
		For Up To 5, Add	*284.04*	
		For >5 To 10, Add	*175.68*	
		For >10 To 20, Add	*113.09*	
		For >20 To 40, Add	*48.13*	
		For >100 To 150, Deduct	*-62.59*	
		For >150, Deduct	*-125.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	805.37	
		For Copper Pipe, Add	*96.05*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-136.32*	
		For Up To 5, Add	*371.66*	
		For >5 To 10, Add	*235.34*	
		For >10 To 20, Add	*154.81*	
		For >20 To 40, Add	*65.02*	
		For >100 To 150, Deduct	*-80.54*	
		For >150, Deduct	*-161.07*	
		For Work In Restricted Working Space, Add	*148.54*	

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	578.48	
		For Copper Pipe, Add	*71.10*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-100.02*	
		For Up To 5, Add	*262.74*	
		For >5 To 10, Add	*162.72*	
		For >10 To 20, Add	*104.88*	
		For >20 To 40, Add	*44.60*	
		For >100 To 150, Deduct	*-57.85*	
		For >150, Deduct	*-115.70*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	745.86	
		For Copper Pipe, Add	*88.82*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-126.11*	
		For Up To 5, Add	*344.47*	
		For >5 To 10, Add	*218.36*	
		For >10 To 20, Add	*143.77*	
		For >20 To 40, Add	*60.36*	
		For >100 To 150, Deduct	*-74.59*	
		For >150, Deduct	*-149.17*	
		For Work In Restricted Working Space, Add	*138.38*	

21 13 13 00-0011 Wet Pipe Sprinkler Components *(21 13 13)*

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Wet Pipe Alarm Check Valves *(21 13 13 00-0011)*

Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.

21 13 13 00-0013	EA	2-1/2" Diameter, Wet Pipe Alarm Check Valve	2,161.96	136.15
21 13 13 00-0014	EA	3" Diameter, Wet Pipe Alarm Check Valve	2,201.58	155.96
21 13 13 00-0015	EA	4" Diameter, Wet Pipe Alarm Check Valve	2,419.42	264.88
21 13 13 00-0016	EA	6" Diameter, Wet Pipe Alarm Check Valve	2,297.44	334.20
21 13 13 00-0017	EA	8" Diameter, Wet Pipe Alarm Check Valve	4,188.41	423.32

21 13 13 00-0018 Wet Pipe Valve Trim *(21 13 13 00-0011)*

Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.

21 13 13 00-0019	EA	2-1/2" Diameter, Wet Pipe Valve Trim	1,172.05	288.15
21 13 13 00-0020	EA	3" Diameter, Wet Pipe Valve Trim	1,228.55	288.15
21 13 13 00-0021	EA	4" Diameter, Wet Pipe Valve Trim	1,508.83	395.09
21 13 13 00-0022	EA	6" Diameter, Wet Pipe Valve Trim	1,822.78	549.57
21 13 13 00-0023	EA	8" Diameter, Wet Pipe Valve Trim	2,040.62	680.27

21 13 13 00-0024 Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0026	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	92.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.03*	
		For >100 To 500, Deduct	*-12.79*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-34.39*	
21 13 13 00-0027	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	97.34	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-25.65*	
		For >1,000, Deduct	*-35.22*	
21 13 13 00-0028	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	100.25	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.73*	
		For >500 To 1,000, Deduct	*-26.18*	
		For >1,000, Deduct	*-35.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0029	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	95.05	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 500, Deduct	*-13.08*	
		For >500 To 1,000, Deduct	*-25.24*	
		For >1,000, Deduct	*-34.81*	
21 13 13 00-0030	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	99.81	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 500, Deduct	*-13.67*	
		For >500 To 1,000, Deduct	*-26.10*	
		For >1,000, Deduct	*-35.66*	
21 13 13 00-0031	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.85	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.53*	
		For >100 To 500, Deduct	*-14.05*	
		For >500 To 1,000, Deduct	*-26.64*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0032	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	125.01	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 500, Deduct	*-16.82*	
		For >500 To 1,000, Deduct	*-30.63*	
		For >1,000, Deduct	*-40.20*	
21 13 13 00-0033	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	137.28	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.26*	
		For >100 To 500, Deduct	*-18.36*	
		For >500 To 1,000, Deduct	*-32.84*	
		For >1,000, Deduct	*-42.41*	
21 13 13 00-0034	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	125.01	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 500, Deduct	*-16.82*	
		For >500 To 1,000, Deduct	*-30.63*	
		For >1,000, Deduct	*-40.20*	
21 13 13 00-0035	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	137.28	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.26*	
		For >100 To 500, Deduct	*-18.36*	
		For >500 To 1,000, Deduct	*-32.84*	
		For >1,000, Deduct	*-42.41*	
21 13 13 00-0036	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.14	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-14.84*	
		For >500 To 1,000, Deduct	*-27.78*	
		For >1,000, Deduct	*-37.34*	
21 13 13 00-0037	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	115.13	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-38.42*	
21 13 13 00-0038	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	107.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-28.43*	
		For >1,000, Deduct	*-39.06*	
21 13 13 00-0039	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	114.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 500, Deduct	*-15.68*	
		For >500 To 1,000, Deduct	*-29.69*	
		For >1,000, Deduct	*-40.32*	
21 13 13 00-0040	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	116.20	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.47*	
		For >100 To 500, Deduct	*-15.85*	
		For >500 To 1,000, Deduct	*-29.95*	
		For >1,000, Deduct	*-40.58*	
21 13 13 00-0041	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	107.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-28.43*	
		For >1,000, Deduct	*-39.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0042	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	114.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 500, Deduct	*-15.68*	
		For >500 To 1,000, Deduct	*-29.69*	
		For >1,000, Deduct	*-40.32*	
21 13 13 00-0043	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	116.20	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.47*	
		For >100 To 500, Deduct	*-15.85*	
		For >500 To 1,000, Deduct	*-29.95*	
		For >1,000, Deduct	*-40.58*	
21 13 13 00-0044	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	105.98	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.44*	
		For >500 To 1,000, Deduct	*-27.21*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0045	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	110.55	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.01*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-37.60*	
21 13 13 00-0046	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	111.44	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.76*	
21 13 13 00-0047	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	105.98	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.44*	
		For >500 To 1,000, Deduct	*-27.21*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0048	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	110.55	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.01*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-37.60*	
21 13 13 00-0049	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	111.44	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.76*	
21 13 13 00-0050	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	111.42	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.75*	
21 13 13 00-0051	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	156.86	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-10.50*	
		For >100 To 500, Deduct	*-20.94*	
		For >500 To 1,000, Deduct	*-37.27*	
		For >1,000, Deduct	*-47.90*	
21 13 13 00-0052	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	162.12	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-10.76*	
		For >100 To 500, Deduct	*-21.59*	
		For >500 To 1,000, Deduct	*-38.22*	
		For >1,000, Deduct	*-48.84*	
21 13 13 00-0053	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	162.12	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-10.76*	
		For >100 To 500, Deduct	*-21.59*	
		For >500 To 1,000, Deduct	*-38.22*	
		For >1,000, Deduct	*-48.84*	
21 13 13 00-0054	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	121.36	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 500, Deduct	*-16.50*	
		For >500 To 1,000, Deduct	*-30.88*	
		For >1,000, Deduct	*-41.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	124.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.91*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-31.53*	
		For >1,000, Deduct	*-42.15*	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	124.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.91*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-31.53*	
		For >1,000, Deduct	*-42.15*	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	422.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-23.53*	
		For >100 To 500, Deduct	*-54.04*	
		For >500 To 1,000, Deduct	*-84.23*	
		For >1,000, Deduct	*-93.79*	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	465.23	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-25.92*	
		For >100 To 500, Deduct	*-59.48*	
		For >500 To 1,000, Deduct	*-92.78*	
		For >1,000, Deduct	*-103.40*	
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	212.00	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-12.99*	
		For >100 To 500, Deduct	*-27.70*	
		For >500 To 1,000, Deduct	*-46.29*	
		For >1,000, Deduct	*-55.86*	
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	266.91	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-15.74*	
		For >100 To 500, Deduct	*-34.56*	
		For >500 To 1,000, Deduct	*-56.17*	
		For >1,000, Deduct	*-65.74*	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	496.53	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-27.22*	
		For >100 To 500, Deduct	*-63.26*	
		For >500 To 1,000, Deduct	*-97.51*	
		For >1,000, Deduct	*-107.07*	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	639.62	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-34.37*	
		For >100 To 500, Deduct	*-81.15*	
		For >500 To 1,000, Deduct	*-123.26*	
		For >1,000, Deduct	*-132.83*	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	272.22	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-16.27*	
		For >100 To 500, Deduct	*-35.36*	
		For >500 To 1,000, Deduct	*-58.03*	
		For >1,000, Deduct	*-68.66*	
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	273.88	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-16.35*	
		For >100 To 500, Deduct	*-35.56*	
		For >500 To 1,000, Deduct	*-58.33*	
		For >1,000, Deduct	*-68.96*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	92.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.03*	
		For >100 To 500, Deduct	*-12.79*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-34.39*	
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	97.34	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-25.65*	
		For >1,000, Deduct	*-35.22*	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	100.25	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.73*	
		For >500 To 1,000, Deduct	*-26.18*	
		For >1,000, Deduct	*-35.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0069	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	109.41	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.00*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000, Deduct	*-39.36*	
21 13 13 00-0070	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	114.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 500, Deduct	*-15.68*	
		For >500 To 1,000, Deduct	*-29.69*	
		For >1,000, Deduct	*-40.32*	
21 13 13 00-0071	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	115.61	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.44*	
		For >100 To 500, Deduct	*-15.78*	
		For >500 To 1,000, Deduct	*-29.84*	
		For >1,000, Deduct	*-40.47*	
21 13 13 00-0072	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	422.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-23.53*	
		For >100 To 500, Deduct	*-54.04*	
		For >500 To 1,000, Deduct	*-84.23*	
		For >1,000, Deduct	*-93.79*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	92.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.03*	
		For >100 To 500, Deduct	*-12.79*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-34.39*	
21 13 13 00-0075	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	97.34	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-25.65*	
		For >1,000, Deduct	*-35.22*	
21 13 13 00-0076	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.25	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.73*	
		For >500 To 1,000, Deduct	*-26.18*	
		For >1,000, Deduct	*-35.74*	
21 13 13 00-0077	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	107.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-28.43*	
		For >1,000, Deduct	*-39.06*	
21 13 13 00-0078	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	114.78	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 500, Deduct	*-15.68*	
		For >500 To 1,000, Deduct	*-29.69*	
		For >1,000, Deduct	*-40.32*	
21 13 13 00-0079	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	116.20	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.47*	
		For >100 To 500, Deduct	*-15.85*	
		For >500 To 1,000, Deduct	*-29.95*	
		For >1,000, Deduct	*-40.58*	
21 13 13 00-0080	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	105.98	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.44*	
		For >500 To 1,000, Deduct	*-27.21*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0081	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	110.55	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.01*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-37.60*	
21 13 13 00-0082	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.44	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0083	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	105.98	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.44*	
		For >500 To 1,000, Deduct	*-27.21*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0084	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	110.55	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.01*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-37.60*	
21 13 13 00-0085	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.44	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.76*	
21 13 13 00-0086	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	105.98	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.44*	
		For >500 To 1,000, Deduct	*-27.21*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0087	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	110.55	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.01*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-37.60*	
21 13 13 00-0088	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	111.44	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-37.76*	
21 13 13 00-0089	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	92.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.03*	
		For >100 To 500, Deduct	*-12.79*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-34.39*	
21 13 13 00-0090	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.34	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-25.65*	
		For >1,000, Deduct	*-35.22*	
21 13 13 00-0091	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	100.25	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.73*	
		For >500 To 1,000, Deduct	*-26.18*	
		For >1,000, Deduct	*-35.74*	
21 13 13 00-0092	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	95.06	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 500, Deduct	*-13.08*	
		For >500 To 1,000, Deduct	*-25.24*	
		For >1,000, Deduct	*-34.81*	
21 13 13 00-0093	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	98.30	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 500, Deduct	*-13.48*	
		For >500 To 1,000, Deduct	*-25.83*	
		For >1,000, Deduct	*-35.39*	
21 13 13 00-0094	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.25	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.36*	
		For >1,000, Deduct	*-35.92*	
21 13 13 00-0095	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	112.11	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-15.34*	
		For >500 To 1,000, Deduct	*-29.21*	
		For >1,000, Deduct	*-39.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0096	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	118.04	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.56*	
		For >100 To 500, Deduct	*-16.08*	
		For >500 To 1,000, Deduct	*-30.28*	
		For >1,000, Deduct	*-40.91*	
21 13 13 00-0097	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	118.04	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.56*	
		For >100 To 500, Deduct	*-16.08*	
		For >500 To 1,000, Deduct	*-30.28*	
		For >1,000, Deduct	*-40.91*	
21 13 13 00-0098	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	109.14	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-14.84*	
		For >500 To 1,000, Deduct	*-27.78*	
		For >1,000, Deduct	*-37.34*	
21 13 13 00-0099	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	115.13	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-38.42*	
21 13 13 00-0100	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	124.10	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 500, Deduct	*-16.71*	
		For >500 To 1,000, Deduct	*-30.47*	
		For >1,000, Deduct	*-40.04*	
21 13 13 00-0101	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	133.92	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-17.94*	
		For >500 To 1,000, Deduct	*-32.24*	
		For >1,000, Deduct	*-41.80*	
21 13 13 00-0102	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	124.10	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 500, Deduct	*-16.71*	
		For >500 To 1,000, Deduct	*-30.47*	
		For >1,000, Deduct	*-40.04*	
21 13 13 00-0103	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	133.92	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-17.94*	
		For >500 To 1,000, Deduct	*-32.24*	
		For >1,000, Deduct	*-41.80*	
21 13 13 00-0104	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	101.40	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.87*	
		For >500 To 1,000, Deduct	*-26.38*	
		For >1,000, Deduct	*-35.95*	
21 13 13 00-0105	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	106.54	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.72*	
		For >100 To 500, Deduct	*-14.51*	
		For >500 To 1,000, Deduct	*-27.31*	
		For >1,000, Deduct	*-36.87*	
21 13 13 00-0106	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.24	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-14.85*	
		For >500 To 1,000, Deduct	*-27.79*	
		For >1,000, Deduct	*-37.36*	
21 13 13 00-0107	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	109.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-15.07*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000, Deduct	*-39.45*	
21 13 13 00-0108	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	115.04	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.71*	
		For >500 To 1,000, Deduct	*-29.74*	
		For >1,000, Deduct	*-40.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0109	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	119.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.66*	
		For >100 To 500, Deduct	*-16.32*	
		For >500 To 1,000, Deduct	*-30.63*	
		For >1,000, Deduct	*-41.25*	
21 13 13 00-0110	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	104.30	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 500, Deduct	*-14.23*	
		For >500 To 1,000, Deduct	*-26.91*	
		For >1,000, Deduct	*-36.47*	
21 13 13 00-0111	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.35	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 500, Deduct	*-14.86*	
		For >500 To 1,000, Deduct	*-27.81*	
		For >1,000, Deduct	*-37.38*	
21 13 13 00-0112	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	112.10	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.00*	
		For >100 To 500, Deduct	*-15.21*	
		For >500 To 1,000, Deduct	*-28.31*	
		For >1,000, Deduct	*-37.88*	
21 13 13 00-0113	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	112.11	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-15.34*	
		For >500 To 1,000, Deduct	*-29.21*	
		For >1,000, Deduct	*-39.84*	
21 13 13 00-0114	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	117.41	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-16.00*	
		For >500 To 1,000, Deduct	*-30.17*	
		For >1,000, Deduct	*-40.80*	
21 13 13 00-0115	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	122.52	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.78*	
		For >100 To 500, Deduct	*-16.64*	
		For >500 To 1,000, Deduct	*-31.09*	
		For >1,000, Deduct	*-41.72*	
21 13 13 00-0116	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	184.52	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 500, Deduct	*-24.26*	
		For >500 To 1,000, Deduct	*-41.34*	
		For >1,000, Deduct	*-50.91*	
21 13 13 00-0117	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	184.52	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 500, Deduct	*-24.26*	
		For >500 To 1,000, Deduct	*-41.34*	
		For >1,000, Deduct	*-50.91*	
21 13 13 00-0118	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	126.63	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.99*	
		For >100 To 500, Deduct	*-17.16*	
		For >500 To 1,000, Deduct	*-31.83*	
		For >1,000, Deduct	*-42.46*	
21 13 13 00-0119	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	130.51	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-17.64*	
		For >500 To 1,000, Deduct	*-32.53*	
		For >1,000, Deduct	*-43.15*	
21 13 13 00-0120	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	130.51	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 500, Deduct	*-17.64*	
		For >500 To 1,000, Deduct	*-32.53*	
		For >1,000, Deduct	*-43.15*	
21 13 13 00-0121	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	121.36	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 500, Deduct	*-16.50*	
		For >500 To 1,000, Deduct	*-30.88*	
		For >1,000, Deduct	*-41.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0122	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	124.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.91*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-31.53*	
		For >1,000, Deduct	*-42.15*	
21 13 13 00-0123	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	124.96	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.91*	
		For >100 To 500, Deduct	*-16.95*	
		For >500 To 1,000, Deduct	*-31.53*	
		For >1,000, Deduct	*-42.15*	
21 13 13 00-0124	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	422.76	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-23.53*	
		For >100 To 500, Deduct	*-54.04*	
		For >500 To 1,000, Deduct	*-84.23*	
		For >1,000, Deduct	*-93.79*	
21 13 13 00-0125	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	465.23	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-25.92*	
		For >100 To 500, Deduct	*-59.48*	
		For >500 To 1,000, Deduct	*-92.78*	
		For >1,000, Deduct	*-103.40*	
21 13 13 00-0126	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	212.00	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-12.99*	
		For >100 To 500, Deduct	*-27.70*	
		For >500 To 1,000, Deduct	*-46.29*	
		For >1,000, Deduct	*-55.86*	
21 13 13 00-0127	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	266.91	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-15.74*	
		For >100 To 500, Deduct	*-34.56*	
		For >500 To 1,000, Deduct	*-56.17*	
		For >1,000, Deduct	*-65.74*	
21 13 13 00-0128	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	496.53	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-27.22*	
		For >100 To 500, Deduct	*-63.26*	
		For >500 To 1,000, Deduct	*-97.51*	
		For >1,000, Deduct	*-107.07*	
21 13 13 00-0129	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	639.62	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-34.37*	
		For >100 To 500, Deduct	*-81.15*	
		For >500 To 1,000, Deduct	*-123.26*	
		For >1,000, Deduct	*-132.83*	
21 13 13 00-0130	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	272.22	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-16.27*	
		For >100 To 500, Deduct	*-35.36*	
		For >500 To 1,000, Deduct	*-58.03*	
		For >1,000, Deduct	*-68.66*	
21 13 13 00-0131	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	273.88	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-16.35*	
		For >100 To 500, Deduct	*-35.56*	
		For >500 To 1,000, Deduct	*-58.33*	
		For >1,000, Deduct	*-68.96*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	99.60	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.65*	
		For >500 To 1,000, Deduct	*-26.06*	
		For >1,000, Deduct	*-35.63*	
21 13 13 00-0135	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	103.27	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 500, Deduct	*-14.10*	
		For >500 To 1,000, Deduct	*-26.72*	
		For >1,000, Deduct	*-36.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	109.06	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 500, Deduct	*-14.83*	
		For >500 To 1,000, Deduct	*-27.76*	
		For >1,000, Deduct	*-37.33*	
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.67	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.90*	
		For >500 To 1,000, Deduct	*-26.43*	
		For >1,000, Deduct	*-36.00*	
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	105.40	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-14.37*	
		For >500 To 1,000, Deduct	*-27.10*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	111.31	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-15.11*	
		For >500 To 1,000, Deduct	*-28.17*	
		For >1,000, Deduct	*-37.73*	
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	115.13	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-38.42*	
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	121.10	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 500, Deduct	*-16.33*	
		For >500 To 1,000, Deduct	*-29.93*	
		For >1,000, Deduct	*-39.50*	
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	123.47	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.83*	
		For >100 To 500, Deduct	*-16.76*	
		For >500 To 1,000, Deduct	*-31.26*	
		For >1,000, Deduct	*-41.89*	
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	132.41	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-9.28*	
		For >100 To 500, Deduct	*-17.88*	
		For >500 To 1,000, Deduct	*-32.87*	
		For >1,000, Deduct	*-43.50*	
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	128.00	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.79*	
		For >100 To 500, Deduct	*-17.20*	
		For >500 To 1,000, Deduct	*-31.17*	
		For >1,000, Deduct	*-40.74*	
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	133.92	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-17.94*	
		For >500 To 1,000, Deduct	*-32.24*	
		For >1,000, Deduct	*-41.80*	
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	128.00	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-8.79*	
		For >100 To 500, Deduct	*-17.20*	
		For >500 To 1,000, Deduct	*-31.17*	
		For >1,000, Deduct	*-40.74*	
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	133.92	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-17.94*	
		For >500 To 1,000, Deduct	*-32.24*	
		For >1,000, Deduct	*-41.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.48	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.26*	
		For >500 To 1,000, Deduct	*-25.50*	
		For >1,000, Deduct	*-35.06*	
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	99.51	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.63*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-35.61*	
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	103.28	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 500, Deduct	*-14.11*	
		For >500 To 1,000, Deduct	*-26.72*	
		For >1,000, Deduct	*-36.29*	
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	105.34	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.50*	
		For >500 To 1,000, Deduct	*-28.00*	
		For >1,000, Deduct	*-38.62*	
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	108.59	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.09*	
		For >100 To 500, Deduct	*-14.90*	
		For >500 To 1,000, Deduct	*-28.58*	
		For >1,000, Deduct	*-39.21*	
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	112.10	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-15.34*	
		For >500 To 1,000, Deduct	*-29.21*	
		For >1,000, Deduct	*-39.84*	
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	107.92	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.82*	
		For >500 To 1,000, Deduct	*-28.46*	
		For >1,000, Deduct	*-39.09*	
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	111.29	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.22*	
		For >100 To 500, Deduct	*-15.24*	
		For >500 To 1,000, Deduct	*-29.07*	
		For >1,000, Deduct	*-39.69*	
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	114.94	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 500, Deduct	*-15.70*	
		For >500 To 1,000, Deduct	*-29.72*	
		For >1,000, Deduct	*-40.35*	
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	114.99	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.70*	
		For >500 To 1,000, Deduct	*-29.73*	
		For >1,000, Deduct	*-40.36*	
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	119.97	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.66*	
		For >100 To 500, Deduct	*-16.32*	
		For >500 To 1,000, Deduct	*-30.63*	
		For >1,000, Deduct	*-41.26*	
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	119.97	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-8.66*	
		For >100 To 500, Deduct	*-16.32*	
		For >500 To 1,000, Deduct	*-30.63*	
		For >1,000, Deduct	*-41.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0160	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	217.54	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-13.27*	
		For >100 To 500, Deduct	*-28.39*	
		For >500 To 1,000, Deduct	*-47.29*	
		For >1,000, Deduct	*-56.85*	
21 13 13 00-0161	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	217.54	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-13.27*	
		For >100 To 500, Deduct	*-28.39*	
		For >500 To 1,000, Deduct	*-47.29*	
		For >1,000, Deduct	*-56.85*	
21 13 13 00-0162	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	97.75	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-25.73*	
		For >1,000, Deduct	*-35.29*	
21 13 13 00-0163	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	97.75	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-25.73*	
		For >1,000, Deduct	*-35.29*	
21 13 13 00-0164	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	97.75	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-25.73*	
		For >1,000, Deduct	*-35.29*	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0166	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	104.36	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 500, Deduct	*-14.24*	
		For >500 To 1,000, Deduct	*-26.92*	
		For >1,000, Deduct	*-36.48*	
21 13 13 00-0167	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	108.93	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 500, Deduct	*-14.81*	
		For >500 To 1,000, Deduct	*-27.74*	
		For >1,000, Deduct	*-37.30*	
21 13 13 00-0168	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	110.89	11.95
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.06*	
		For >500 To 1,000, Deduct	*-28.09*	
		For >1,000, Deduct	*-37.66*	

21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0171	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	153.65	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-10.87*	
		For >100 To 500, Deduct	*-20.80*	
		For >500 To 1,000, Deduct	*-38.50*	
		For >1,000, Deduct	*-51.25*	
21 13 13 00-0172	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	99.99	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.09*	
		For >500 To 1,000, Deduct	*-28.84*	
		For >1,000, Deduct	*-41.59*	
21 13 13 00-0173	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	101.95	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 500, Deduct	*-14.34*	
		For >500 To 1,000, Deduct	*-29.19*	
		For >1,000, Deduct	*-41.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0174	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	133.88	17.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 500, Deduct	*-18.46*	
		For >500 To 1,000, Deduct	*-35.84*	
		For >1,000, Deduct	*-49.66*	
21 13 13 00-0175	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.56	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 500, Deduct	*-17.66*	
		For >500 To 1,000, Deduct	*-33.98*	
		For >1,000, Deduct	*-46.73*	
21 13 13 00-0176	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.56	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 500, Deduct	*-17.66*	
		For >500 To 1,000, Deduct	*-33.98*	
		For >1,000, Deduct	*-46.73*	
21 13 13 00-0177	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	133.88	17.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 500, Deduct	*-18.46*	
		For >500 To 1,000, Deduct	*-35.84*	
		For >1,000, Deduct	*-49.66*	
21 13 13 00-0178	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	116.01	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-8.99*	
		For >100 To 500, Deduct	*-16.10*	
		For >500 To 1,000, Deduct	*-31.72*	
		For >1,000, Deduct	*-44.47*	
21 13 13 00-0179	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.56	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 500, Deduct	*-17.66*	
		For >500 To 1,000, Deduct	*-33.98*	
		For >1,000, Deduct	*-46.73*	
21 13 13 00-0180	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.56	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 500, Deduct	*-17.66*	
		For >500 To 1,000, Deduct	*-33.98*	
		For >1,000, Deduct	*-46.73*	
21 13 13 00-0181	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.98	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.14*	
		For >100 To 500, Deduct	*-16.47*	
		For >500 To 1,000, Deduct	*-32.26*	
		For >1,000, Deduct	*-45.01*	
21 13 13 00-0182	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	214.01	18.60
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-14.42*	
		For >100 To 500, Deduct	*-28.61*	
		For >500 To 1,000, Deduct	*-51.17*	
		For >1,000, Deduct	*-66.05*	
21 13 13 00-0183	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	109.75	15.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-8.68*	
		For >100 To 500, Deduct	*-15.31*	
		For >500 To 1,000, Deduct	*-30.59*	
		For >1,000, Deduct	*-43.35*	
21 13 13 00-0184	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	114.26	17.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-9.17*	
		For >100 To 500, Deduct	*-16.01*	
		For >500 To 1,000, Deduct	*-32.31*	
		For >1,000, Deduct	*-46.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0185	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	111.51	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-8.76*	
		For >100 To 500, Deduct	*-15.53*	
		For >500 To 1,000, Deduct	*-30.91*	
		For >1,000, Deduct	*-43.66*	
21 13 13 00-0186	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	116.83	17.27
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-9.30*	
		For >100 To 500, Deduct	*-16.33*	
		For >500 To 1,000, Deduct	*-32.77*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0187	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	134.70	17.27
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-10.19*	
		For >100 To 500, Deduct	*-18.56*	
		For >500 To 1,000, Deduct	*-35.99*	
		For >1,000, Deduct	*-49.81*	
21 13 13 00-0188	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	254.72	18.60
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-16.46*	
		For >100 To 500, Deduct	*-33.70*	
		For >500 To 1,000, Deduct	*-58.50*	
		For >1,000, Deduct	*-73.37*	
21 13 13 00-0189	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	254.72	18.60
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-16.46*	
		For >100 To 500, Deduct	*-33.70*	
		For >500 To 1,000, Deduct	*-58.50*	
		For >1,000, Deduct	*-73.37*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	168.59	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 500, Deduct	*-22.67*	
		For >500 To 1,000, Deduct	*-41.19*	
		For >1,000, Deduct	*-53.94*	
21 13 13 00-0192	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	191.38	17.27
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-13.02*	
		For >100 To 500, Deduct	*-25.65*	
		For >500 To 1,000, Deduct	*-46.19*	
		For >1,000, Deduct	*-60.01*	
21 13 13 00-0193	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	124.95	15.94
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 500, Deduct	*-17.21*	
		For >500 To 1,000, Deduct	*-33.33*	
		For >1,000, Deduct	*-46.08*	
21 13 13 00-0194	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	123.62	17.27
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-9.64*	
		For >100 To 500, Deduct	*-17.18*	
		For >500 To 1,000, Deduct	*-34.00*	
		For >1,000, Deduct	*-47.81*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	459.13	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-25.61*	
		For >100 To 500, Deduct	*-58.72*	
		For >500 To 1,000, Deduct	*-91.68*	
		For >1,000, Deduct	*-102.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0197	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	447.40	13.29
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-25.03*	
		For >100 To 500, Deduct	*-57.25*	
		For >500 To 1,000, Deduct	*-89.57*	
		For >1,000, Deduct	*-100.19*	
21 13 13 00-0198	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	177.28	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-11.52*	
		For >100 To 500, Deduct	*-23.49*	
		For >500 To 1,000, Deduct	*-40.94*	
		For >1,000, Deduct	*-51.57*	
21 13 13 00-0199	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	201.61	13.29
		For >25 To 50, Deduct	*-2.66*	
		For >50 To 100, Deduct	*-12.74*	
		For >100 To 500, Deduct	*-26.53*	
		For >500 To 1,000, Deduct	*-45.32*	
		For >1,000, Deduct	*-55.95*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	69.61	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 500, Deduct	*-9.27*	
		For >500 To 1,000, Deduct	*-16.40*	
		For >1,000, Deduct	*-20.95*	
21 13 13 00-0203	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	69.61	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 500, Deduct	*-9.27*	
		For >500 To 1,000, Deduct	*-16.40*	
		For >1,000, Deduct	*-20.95*	
21 13 13 00-0204	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	70.57	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 500, Deduct	*-9.39*	
		For >500 To 1,000, Deduct	*-16.57*	
		For >1,000, Deduct	*-21.13*	
21 13 13 00-0205	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	60.71	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.35*	
21 13 13 00-0206	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	60.71	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.35*	
21 13 13 00-0207	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	60.71	13.67
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-14.80*	
		For >1,000, Deduct	*-19.35*	
21 13 13 00-0208	EA	1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	68.22	14.85
		For >25 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-9.15*	
		For >500 To 1,000, Deduct	*-16.49*	
		For >1,000, Deduct	*-21.44*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	27.17	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000, Deduct	*-7.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	27.17	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000, Deduct	*-7.84*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	25.42	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.38*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000, Deduct	*-7.52*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	25.42	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.38*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000, Deduct	*-7.52*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	17.48	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-6.10*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	26.29	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-7.68*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	26.29	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-7.68*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	9.19	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000, Deduct	*-3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.97	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.40*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.31	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.46*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	9.41	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.66*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.19	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.44*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	8.19	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.44*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	10.68	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.89*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.16	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.43*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.16	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.43*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.21	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.82*	
		For >1,000, Deduct	*-5.31*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	13.54	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-5.19*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	13.76	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-5.23*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.43	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.35*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	13.76	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-5.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	14.21	4.91
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.82*	
		For >1,000, Deduct	*-5.31*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	34.28	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-9.12*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	40.29	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-8.61*	
		For >1,000, Deduct	*-10.20*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	41.69	4.79
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 500, Deduct	*-5.41*	
		For >500 To 1,000, Deduct	*-8.86*	
		For >1,000, Deduct	*-10.45*	

21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	87.25	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-11.13*	
		For >500 To 1,000, Deduct	*-17.24*	
		For >1,000, Deduct	*-19.05*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	39.52	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.43*	
		For >100 To 500, Deduct	*-5.17*	
		For >500 To 1,000, Deduct	*-8.65*	
		For >1,000, Deduct	*-10.46*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	60.22	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 500, Deduct	*-7.75*	
		For >500 To 1,000, Deduct	*-12.38*	
		For >1,000, Deduct	*-14.18*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	54.85	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.41*	
		For >1,000, Deduct	*-13.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	42.67	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 500, Deduct	*-5.56*	
		For >500 To 1,000, Deduct	*-9.22*	
		For >1,000, Deduct	*-11.03*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	42.67	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 500, Deduct	*-5.56*	
		For >500 To 1,000, Deduct	*-9.22*	
		For >1,000, Deduct	*-11.03*	
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	54.85	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.41*	
		For >1,000, Deduct	*-13.22*	
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	54.85	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.41*	
		For >1,000, Deduct	*-13.22*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	64.50	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 500, Deduct	*-8.29*	
		For >500 To 1,000, Deduct	*-13.15*	
		For >1,000, Deduct	*-14.95*	
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	64.50	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 500, Deduct	*-8.29*	
		For >500 To 1,000, Deduct	*-13.15*	
		For >1,000, Deduct	*-14.95*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	64.50	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 500, Deduct	*-8.29*	
		For >500 To 1,000, Deduct	*-13.15*	
		For >1,000, Deduct	*-14.95*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	54.91	5.42
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.09*	
		For >500 To 1,000, Deduct	*-11.42*	
		For >1,000, Deduct	*-13.23*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	96.66	6.38
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 500, Deduct	*-12.35*	
		For >500 To 1,000, Deduct	*-19.21*	
		For >1,000, Deduct	*-21.33*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	20.44	3.19
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-5.64*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	27.43	3.35
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.89*	
		For >1,000, Deduct	*-7.00*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	35.26	3.51
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-7.34*	
		For >1,000, Deduct	*-8.51*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	42.25	3.66
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 500, Deduct	*-5.43*	
		For >500 To 1,000, Deduct	*-8.64*	
		For >1,000, Deduct	*-9.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0266		**Sprinkler Head Guards** *(21 13 13 00-0200)*		
21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	25.57	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-7.31*	
		For >1,000, Deduct	*-10.50*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	29.30	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-7.98*	
		For >1,000, Deduct	*-11.17*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	35.65	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-9.13*	
		For >1,000, Deduct	*-12.31*	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	43.49	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 500, Deduct	*-5.83*	
		For >500 To 1,000, Deduct	*-10.54*	
		For >1,000, Deduct	*-13.73*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	29.15	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 500, Deduct	*-4.04*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000, Deduct	*-11.14*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	31.57	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 500, Deduct	*-4.34*	
		For >500 To 1,000, Deduct	*-8.39*	
		For >1,000, Deduct	*-11.58*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	49.55	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 500, Deduct	*-6.59*	
		For >500 To 1,000, Deduct	*-11.63*	
		For >1,000, Deduct	*-14.82*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	45.95	9.56
		For >25 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-10.98*	
		For >1,000, Deduct	*-14.17*	
21 13 13 00-0275		**Replacement Sprinkler Escutcheon** *(21 13 13 00-0200)*		
21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	13.63	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-4.42*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	17.18	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	13.52	3.51
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.40*	
21 13 13 00-0285		**Pendent Shield And O-Ring Assembly** *(21 13 13 00-0200)*		
21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	20.50	7.01
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-7.62*	
21 13 13 00-0287		**Replacement Insulating Sealing Assembly** *(21 13 13 00-0200)*		
21 13 13 00-0288	EA	Insulating Sealing Assembly	91.24	15.94
		For >100 To 500, Deduct	*-12.20*	
		For >500 To 1,000, Deduct	*-21.84*	
21 13 13 00-0289		**Flexible Sprinkler Piping** *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA	2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	77.14	16.48
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 500, Deduct	*-10.47*	
		For >500 To 1,000, Deduct	*-19.53*	
		For >1,000, Deduct	*-26.17*	
21 13 13 00-0291	EA	3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	85.59	17.00
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 500, Deduct	*-11.57*	
		For >500 To 1,000, Deduct	*-21.35*	
		For >1,000, Deduct	*-28.34*	
21 13 13 00-0292	EA	4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	94.20	18.06
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.85*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.70*	
		For >500 To 1,000, Deduct	*-23.23*	
		For >1,000, Deduct	*-30.61*	
21 13 13 00-0293	EA	5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	103.05	19.13
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-7.11*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-25.19*	
		For >1,000, Deduct	*-33.00*	
21 13 13 00-0294	EA	6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	112.17	21.25
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 500, Deduct	*-15.06*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-35.55*	
21 13 13 00-0295		**Sprinkler Emergency Cabinets** *(21 13 13 00-0011)*		
21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	166.43	
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	171.74	
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	192.73	
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	692.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	374.71	
21 13 13 00-0301	EA	Sprinkler Wrench, FC	373.25	
21 13 13 00-0302	EA	Sprinkler Wrench, W2	123.93	

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assemblies *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1554 for individual grooved pipe, 23 21 13 23-1627 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	713.30
		For Up To 5, Add	*322.62*
		For >5 To 10, Add	*164.59*
		For >10 To 20, Add	*127.29*
		For >20 To 40, Add	*54.32*
		For >100 To 150, Deduct	*-71.33*
		For >150, Deduct	*-142.66*
		For Copper Pipe, Add	*88.34*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-124.01*
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	871.76
		For Up To 5, Add	*399.31*
		For >5 To 10, Add	*213.68*
		For >10 To 20, Add	*163.08*
		For >20 To 40, Add	*68.89*
		For >100 To 150, Deduct	*-87.18*
		For >150, Deduct	*-174.35*
		For Copper Pipe, Add	*105.46*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-149.05*
		For Work In Restricted Working Space, Add	*151.81*

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	692.45
		For Up To 5, Add	*313.82*
		For >5 To 10, Add	*161.34*
		For >10 To 20, Add	*124.50*
		For >20 To 40, Add	*53.04*
		For >100 To 150, Deduct	*-69.25*
		For >150, Deduct	*-138.49*
		For Copper Pipe, Add	*85.45*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-120.07*
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	848.27
		For Up To 5, Add	*389.30*
		For >5 To 10, Add	*209.80*
		For >10 To 20, Add	*159.81*
		For >20 To 40, Add	*67.41*
		For >100 To 150, Deduct	*-84.83*
		For >150, Deduct	*-169.65*
		For Copper Pipe, Add	*102.25*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-144.66*
		For Work In Restricted Working Space, Add	*149.97*

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	650.33
		For Up To 5, Add	*294.46*
		For >5 To 10, Add	*150.85*
		For >10 To 20, Add	*116.52*
		For >20 To 40, Add	*49.68*
		For >100 To 150, Deduct	*-65.03*
		For >150, Deduct	*-130.07*
		For Copper Pipe, Add	*80.39*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-112.90*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	789.59	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*362.40*	
		For >5 To 10, Add	*195.37*	
		For >10 To 20, Add	*148.80*	
		For >20 To 40, Add	*62.76*	
		For >100 To 150, Deduct	*-78.96*	
		For >150, Deduct	*-157.92*	
		For Copper Pipe, Add	*95.16*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-134.64*	
		For Work In Restricted Working Space, Add	*139.69*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Compressors** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,555.02	329.31
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,727.94	329.31
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,873.85	329.31
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,441.25	329.31
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)*		
		Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,619.65	204.23
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	5,140.69	233.94
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,676.84	397.32
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	7,200.10	501.30
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	11,084.42	505.01
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)*		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim	1,332.89	288.15
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim	1,377.45	316.86
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim	1,573.40	395.09
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim	1,702.13	475.30
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim	1,920.46	534.71
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,547.56	186.16
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,875.72	198.16
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,396.97	211.38
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,612.51	243.81
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,232.53	288.25
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,078.54	305.05
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,937.11	317.06
21 13 16 00-0037		**Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)*		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,130.92	288.25
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	12,349.23	305.05
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	17,539.59	396.34
21 13 16 00-0041		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	318.56	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-19.12*	
		For >100 To 500, Deduct	*-41.41*	
		For >500 To 1,000, Deduct	*-68.18*	
		For >1,000, Deduct	*-80.93*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	333.23	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-19.85*	
		For >100 To 500, Deduct	*-43.25*	
		For >500 To 1,000, Deduct	*-70.82*	
		For >1,000, Deduct	*-83.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	347.92	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-20.58*	
		For >100 To 500, Deduct	*-45.08*	
		For >500 To 1,000, Deduct	*-73.46*	
		For >1,000, Deduct	*-86.22*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	362.64	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-21.32*	
		For >100 To 500, Deduct	*-46.92*	
		For >500 To 1,000, Deduct	*-76.11*	
		For >1,000, Deduct	*-88.87*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.33	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-22.05*	
		For >100 To 500, Deduct	*-48.76*	
		For >500 To 1,000, Deduct	*-78.76*	
		For >1,000, Deduct	*-91.51*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	392.01	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-22.79*	
		For >100 To 500, Deduct	*-50.60*	
		For >500 To 1,000, Deduct	*-81.40*	
		For >1,000, Deduct	*-94.15*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	406.69	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-23.52*	
		For >100 To 500, Deduct	*-52.43*	
		For >500 To 1,000, Deduct	*-84.04*	
		For >1,000, Deduct	*-96.80*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	421.41	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-24.26*	
		For >100 To 500, Deduct	*-54.27*	
		For >500 To 1,000, Deduct	*-86.69*	
		For >1,000, Deduct	*-99.45*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	436.07	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-24.99*	
		For >100 To 500, Deduct	*-56.10*	
		For >500 To 1,000, Deduct	*-89.33*	
		For >1,000, Deduct	*-102.08*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	450.77	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-25.73*	
		For >100 To 500, Deduct	*-57.94*	
		For >500 To 1,000, Deduct	*-91.98*	
		For >1,000, Deduct	*-104.73*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	465.48	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-26.46*	
		For >100 To 500, Deduct	*-59.78*	
		For >500 To 1,000, Deduct	*-94.63*	
		For >1,000, Deduct	*-107.38*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	480.17	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-27.20*	
		For >100 To 500, Deduct	*-61.62*	
		For >500 To 1,000, Deduct	*-97.27*	
		For >1,000, Deduct	*-110.02*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	494.89	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-27.93*	
		For >100 To 500, Deduct	*-63.46*	
		For >500 To 1,000, Deduct	*-99.92*	
		For >1,000, Deduct	*-112.67*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	509.54	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-28.67*	
		For >100 To 500, Deduct	*-65.29*	
		For >500 To 1,000, Deduct	*-102.56*	
		For >1,000, Deduct	*-115.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	524.25	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-29.40*	
		For >100 To 500, Deduct	*-67.13*	
		For >500 To 1,000, Deduct	*-105.20*	
		For >1,000, Deduct	*-117.96*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	315.02	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-18.94*	
		For >100 To 500, Deduct	*-40.97*	
		For >500 To 1,000, Deduct	*-67.54*	
		For >1,000, Deduct	*-80.29*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	329.73	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-19.67*	
		For >100 To 500, Deduct	*-42.81*	
		For >500 To 1,000, Deduct	*-70.19*	
		For >1,000, Deduct	*-82.94*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	344.45	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-20.41*	
		For >100 To 500, Deduct	*-44.65*	
		For >500 To 1,000, Deduct	*-72.84*	
		For >1,000, Deduct	*-85.59*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	359.09	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-21.14*	
		For >100 To 500, Deduct	*-46.48*	
		For >500 To 1,000, Deduct	*-75.48*	
		For >1,000, Deduct	*-88.23*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	373.80	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-21.88*	
		For >100 To 500, Deduct	*-48.32*	
		For >500 To 1,000, Deduct	*-78.12*	
		For >1,000, Deduct	*-90.88*	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	388.46	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-22.61*	
		For >100 To 500, Deduct	*-50.15*	
		For >500 To 1,000, Deduct	*-80.76*	
		For >1,000, Deduct	*-93.51*	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	403.21	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-23.35*	
		For >100 To 500, Deduct	*-52.00*	
		For >500 To 1,000, Deduct	*-83.42*	
		For >1,000, Deduct	*-96.17*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	417.89	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-24.08*	
		For >100 To 500, Deduct	*-53.83*	
		For >500 To 1,000, Deduct	*-86.06*	
		For >1,000, Deduct	*-98.81*	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	432.55	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-24.82*	
		For >100 To 500, Deduct	*-55.66*	
		For >500 To 1,000, Deduct	*-88.70*	
		For >1,000, Deduct	*-101.45*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	447.23	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-25.55*	
		For >100 To 500, Deduct	*-57.50*	
		For >500 To 1,000, Deduct	*-91.34*	
		For >1,000, Deduct	*-104.09*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	461.94	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-26.29*	
		For >100 To 500, Deduct	*-59.34*	
		For >500 To 1,000, Deduct	*-93.99*	
		For >1,000, Deduct	*-106.74*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	476.63	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-27.02*	
		For >100 To 500, Deduct	*-61.17*	
		For >500 To 1,000, Deduct	*-96.63*	
		For >1,000, Deduct	*-109.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	520.72	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-29.22*	
		For >100 To 500, Deduct	*-66.68*	
		For >500 To 1,000, Deduct	*-104.57*	
		For >1,000, Deduct	*-117.32*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	535.42	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-29.96*	
		For >100 To 500, Deduct	*-68.52*	
		For >500 To 1,000, Deduct	*-107.21*	
		For >1,000, Deduct	*-119.97*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	541.28	21.04
		For >25 To 50, Deduct	*-3.19*	
		For >50 To 100, Deduct	*-30.25*	
		For >100 To 500, Deduct	*-69.25*	
		For >500 To 1,000, Deduct	*-108.27*	
		For >1,000, Deduct	*-121.02*	

21 13 16 00-0073 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*

21 13 16 00-0074	EA	23" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.47	21.04
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-81.73*	
		For >100 To 500, Deduct	*-197.41*	
		For >500 To 1,000, Deduct	*-293.53*	
		For >1,000, Deduct	*-307.34*	
21 13 16 00-0075	EA	30" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.47	21.04
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-81.73*	
		For >100 To 500, Deduct	*-197.41*	
		For >500 To 1,000, Deduct	*-293.53*	
		For >1,000, Deduct	*-307.34*	
21 13 16 00-0076	EA	36" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.47	21.04
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-81.73*	
		For >100 To 500, Deduct	*-197.41*	
		For >500 To 1,000, Deduct	*-293.53*	
		For >1,000, Deduct	*-307.34*	
21 13 16 00-0077	EA	36" Length, 1-1/4" Diameter ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.47	21.04
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-81.73*	
		For >100 To 500, Deduct	*-197.41*	
		For >500 To 1,000, Deduct	*-293.53*	
		For >1,000, Deduct	*-307.34*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1554 for individual grooved pipe, 23 21 13 23-1627 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	647.26	
		For Up To 5, Add	*295.74*	
		For >5 To 10, Add	*184.71*	
		For >10 To 20, Add	*119.98*	
		For >20 To 40, Add	*50.78*	
		For >100 To 150, Deduct	*-64.73*	
		For >150, Deduct	*-129.45*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	602.56	
		For Up To 5, Add	*275.35*	
		For >5 To 10, Add	*172.00*	
		For >10 To 20, Add	*111.75*	
		For >20 To 40, Add	*47.29*	
		For >100 To 150, Deduct	*-60.26*	
		For >150, Deduct	*-120.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

See CSI section 23 21 13 23-0000 for pipe and fittings.

21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	8,720.37	590.48
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*753.95*	
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,803.70	664.23
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*947.52*	
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	12,769.96	966.18
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,083.76*	
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	21,778.12	1,161.08
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,945.60*	

21 13 39 Foam-Water Systems *(21 13)*

21 13 39 00-0001 Foam Control Valves And Monitors *(21 13 39)*

21 13 39 00-0002 Control Valves *(21 13 39 00-0001)*

21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,472.35	590.48

21 13 39 00-0004 Supply Valves *(21 13 39 00-0001)*

21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve	4,666.30	664.23

21 13 39 00-0006 Proportioners *(21 13 39 00-0001)*

21 13 39 00-0007	EA	8" Foam Proportioner	3,615.42	966.18

21 13 39 00-0008 Monitors *(21 13 39 00-0001)*

21 13 39 00-0009	EA	Oscillating Foam Monitor	6,657.43	132.84

21 13 41 Fire-Suppression Sprinkler Piping *(21 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0390 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0825 for flanged black steel pipe fittings, 23 21 13 23-1554 for grooved pipe, 23 21 13 23-1627 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*

Note: SDR 13.5

21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*

21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.78	1.70
		For Work In Restricted Working Space, Add	*1.28*	
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.92	1.81
		For Work In Restricted Working Space, Add	*1.37*	
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.69	2.02
		For Work In Restricted Working Space, Add	*1.50*	
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.64	2.24
		For Work In Restricted Working Space, Add	*1.66*	
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.65	2.45
		For Work In Restricted Working Space, Add	*1.85*	
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.68	2.76
		For Work In Restricted Working Space, Add	*2.10*	
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	26.07	3.30
		For Work In Restricted Working Space, Add	*2.49*	

21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	27.49	10.20
		For Work In Restricted Working Space, Add	*7.65*	
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	36.32	12.75
		For Work In Restricted Working Space, Add	*9.60*	
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	45.44	15.94
		For Work In Restricted Working Space, Add	*11.99*	
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	51.96	17.64
		For Work In Restricted Working Space, Add	*13.26*	
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	58.97	19.76
		For Work In Restricted Working Space, Add	*14.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0016	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	74.66	22.43
		For Work In Restricted Working Space, Add	*16.83*	
21 13 41 00-0017	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	91.54	26.57
		For Work In Restricted Working Space, Add	*19.89*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	28.20	10.20
		For Work In Restricted Working Space, Add	*7.65*	
21 13 41 00-0020	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	35.19	12.75
		For Work In Restricted Working Space, Add	*9.60*	
21 13 41 00-0021	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	44.59	15.94
		For Work In Restricted Working Space, Add	*11.99*	
21 13 41 00-0022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	50.60	17.64
		For Work In Restricted Working Space, Add	*13.26*	
21 13 41 00-0023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	57.27	19.76
		For Work In Restricted Working Space, Add	*14.79*	
21 13 41 00-0024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	70.39	22.43
		For Work In Restricted Working Space, Add	*16.83*	
21 13 41 00-0025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	86.85	26.57
		For Work In Restricted Working Space, Add	*19.89*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	40.96	15.30
		For Work In Restricted Working Space, Add	*11.48*	
21 13 41 00-0028	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	53.37	19.24
		For Work In Restricted Working Space, Add	*14.41*	
21 13 41 00-0029	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	67.96	24.01
		For Work In Restricted Working Space, Add	*17.98*	
21 13 41 00-0030	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	78.11	26.57
		For Work In Restricted Working Space, Add	*19.89*	
21 13 41 00-0031	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	91.46	29.55
		For Work In Restricted Working Space, Add	*22.19*	
21 13 41 00-0032	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	112.59	33.69
		For Work In Restricted Working Space, Add	*25.25*	
21 13 41 00-0033	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	133.01	39.75
		For Work In Restricted Working Space, Add	*29.84*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	49.28	17.96
		For Work In Restricted Working Space, Add	*13.42*	
21 13 41 00-0036	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	64.22	22.43
		For Work In Restricted Working Space, Add	*16.77*	
21 13 41 00-0037	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	71.93	24.76
		For Work In Restricted Working Space, Add	*18.56*	
21 13 41 00-0038	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	85.14	27.64
		For Work In Restricted Working Space, Add	*20.72*	
21 13 41 00-0039	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	100.63	31.46
		For Work In Restricted Working Space, Add	*23.56*	
21 13 41 00-0040	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	118.40	37.09
		For Work In Restricted Working Space, Add	*27.87*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	55.28	20.40
		For Work In Restricted Working Space, Add	*15.30*	
21 13 41 00-0043	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	69.31	25.61
		For Work In Restricted Working Space, Add	*19.19*	
21 13 41 00-0044	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	87.30	31.99
		For Work In Restricted Working Space, Add	*23.98*	
21 13 41 00-0045	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	98.51	35.39
		For Work In Restricted Working Space, Add	*26.53*	
21 13 41 00-0046	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	115.25	39.43
		For Work In Restricted Working Space, Add	*29.59*	
21 13 41 00-0047	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	148.45	44.85
		For Work In Restricted Working Space, Add	*33.67*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	18.91	6.80
		For Work In Restricted Working Space, Add	*5.10*	
21 13 41 00-0050	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	25.33	9.14
		For Work In Restricted Working Space, Add	*6.86*	
21 13 41 00-0051	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	33.60	12.01
		For Work In Restricted Working Space, Add	*8.99*	
21 13 41 00-0052	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	38.34	13.29
		For Work In Restricted Working Space, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	44.01	14.77
		For Work In Restricted Working Space, Add	*11.10*	
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	52.83	16.79
		For Work In Restricted Working Space, Add	*12.63*	
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	63.75	19.88
		For Work In Restricted Working Space, Add	*14.92*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	9.65	3.40
		For Work In Restricted Working Space, Add	*2.55*	
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	15.34	5.53
		For Work In Restricted Working Space, Add	*4.11*	
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	17.62	5.95
		For Work In Restricted Working Space, Add	*4.50*	
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	20.21	6.59
		For Work In Restricted Working Space, Add	*4.97*	
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	23.97	7.44
		For Work In Restricted Working Space, Add	*5.55*	
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	28.93	8.40
		For Work In Restricted Working Space, Add	*6.31*	
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	37.66	9.99
		For Work In Restricted Working Space, Add	*7.46*	
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	26.68	10.10
		For Work In Restricted Working Space, Add	*7.56*	
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.37	13.18
		For Work In Restricted Working Space, Add	*9.89*	
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	39.08	14.56
		For Work In Restricted Working Space, Add	*10.94*	
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	44.54	16.26
		For Work In Restricted Working Space, Add	*12.21*	
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	52.94	18.49
		For Work In Restricted Working Space, Add	*13.90*	
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	64.69	21.89
		For Work In Restricted Working Space, Add	*16.42*	
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	23.67	7.44
		For Work In Restricted Working Space, Add	*5.61*	
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	30.45	10.10
		For Work In Restricted Working Space, Add	*7.56*	
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	23.67	7.44
		For Work In Restricted Working Space, Add	*5.61*	
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.45	10.10
		For Work In Restricted Working Space, Add	*7.56*	
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.58	9.14
		For Work In Restricted Working Space, Add	*6.89*	
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	35.27	11.48
		For Work In Restricted Working Space, Add	*8.64*	
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	36.69	11.48
		For Work In Restricted Working Space, Add	*8.64*	
21 13 41 00-0081		**Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	45.28	15.30
		For Work In Restricted Working Space, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0083	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	55.64	19.24
		For Work In Restricted Working Space, Add	*14.41*	
21 13 41 00-0084	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	72.59	24.01
		For Work In Restricted Working Space, Add	*17.98*	
21 13 41 00-0085	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	83.01	26.57
		For Work In Restricted Working Space, Add	*19.89*	
21 13 41 00-0086	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	97.42	29.55
		For Work In Restricted Working Space, Add	*22.19*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001 Carbon Dioxide Cylinders *(21 21 16)*

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	2,645.59	274.35
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	5,291.18	548.68
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	382.48	143.92
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	171.15	50.13
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	43.89	20.32

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,830.33	93.53
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	2,086.52	93.53
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,120.20	93.53
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	3,009.30	124.70
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,178.66	124.70
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,398.36	155.87
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,604.86	155.87
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,436.12	187.06
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	45.75	187.06

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	175.39	15.59
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	179.76	15.59
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	190.69	15.59
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	198.34	15.59
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	209.27	15.59
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	242.03	15.59
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	175.39	15.59
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	179.76	15.59
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	190.69	15.59
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	198.34	15.59
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	209.27	15.59
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	242.03	15.59

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	16.09	4.67
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	17.97	4.67
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	24.89	10.91
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	57.61	13.97
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	84.74	13.97
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	102.04	13.97
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	51.37	13.97
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	359.75	124.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	344.39	93.53
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	766.20	124.70
21 22 16 00-0037		**Nameplates, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	57.39	15.59
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	62.32	15.59
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	176.57	46.76
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	186.40	46.76
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	198.97	46.76
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	468.16	49.63
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	658.70	85.17
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	148.67	31.17
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	550.76	31.17
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	464.43	31.17
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	2,028.15	124.70
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	53.68	21.82
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	94.53	21.82
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	260.62	15.59
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	337.24	15.59
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	197.36	62.36
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	195.50	26.19
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	603.91	109.11
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	697.01	21.82
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	729.81	21.82
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	782.37	31.17
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	54.89	18.71
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	68.66	21.82
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	230.98	93.53
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	268.46	93.53
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	299.59	93.53
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	400.12	93.53
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	65.60	24.94
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	106.01	15.59
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	143.77	31.17
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	382.70	124.70
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	573.90	124.70
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,914.51	124.70
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	207.11	30.89
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	240.62	33.19
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	430.51	60.09
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	867.05	136.83
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	2,071.31	180.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	61.55	9.47
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	723.05	101.47
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,250.97	317.49
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,147.06	323.45
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,879.15	290.57
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,131.65	329.21
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	3,046.66	426.62
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	3,052.74	521.32
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,207.05	367.08
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	3,122.64	464.62
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,229.63	560.20
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	70.91	10.56
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	70.91	10.56
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	85.44	11.74
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,351.10	201.63
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	22.73	3.09
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	32.25	4.41
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	25.06	3.45
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	23.18	3.45
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	100.80	14.88
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	105.76	15.58
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	122.87	18.00
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	136.98	20.32
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	157.12	23.37
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	154.38	23.03
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	160.15	23.71
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	147.73	21.94
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	151.41	23.71
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	175.63	26.08
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	187.77	27.78
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	202.14	29.81
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	347.98	52.15
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	460.10	68.42
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	501.58	75.19
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	179.79	27.07
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	212.09	31.70
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	174.52	26.08
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	186.40	27.64
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	188.05	27.78
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	226.99	33.73
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	244.68	36.57
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	375.58	56.13
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	438.56	65.71
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	480.54	71.81
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	202.14	29.81
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	248.02	37.12
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	266.78	39.96
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	375.58	56.13
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	410.39	61.51
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	482.18	71.81
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	560.63	84.19
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	662.83	99.57
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	845.09	196.44
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,086.93	230.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,395.08	386.12
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	824.32	196.44
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	912.50	137.20
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,395.08	386.12
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	841.80	196.44
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	948.40	142.59
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,368.85	386.12
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	950.17	149.70
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,557.11	232.25
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,214.54	309.47
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,346.59	314.81
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	109.89	16.01
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	131.56	21.21
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,256.67	165.69
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	137.19	15.73
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	143.80	16.57
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	150.93	16.85
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	161.90	17.41
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	168.57	19.10
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	169.51	20.64
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	372.82	55.32
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	376.15	55.89
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	482.18	71.61
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	175.63	26.08
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	243.10	59.61
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	454.67	38.55
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	384.98	57.54
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	789.83	386.12
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	241.36	36.00
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	283.32	42.00
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	784.31	386.12
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	251.31	37.70
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	294.39	43.94
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	811.62	386.12
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	48.75	2.86
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	49.33	3.15
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	53.16	3.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	30.77	4.58
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	252.76	34.82
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	189.41	34.82
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	198.32	30.05
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	225.42	34.26
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	286.73	43.52
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	308.84	46.90
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	386.75	58.98
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	411.61	62.62
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	789.01	120.76
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	63.45	8.98
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	171.82	26.11
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	251.93	38.19
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	22.99	3.48
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,979.95	303.01
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,659.78	253.87
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,288.48	197.14
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,122.18	171.58
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,122.18	171.58
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	898.94	137.33
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,659.78	253.87
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	337.56	51.39
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	423.21	64.59
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	848.67	129.74
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	143.37	21.76
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	195.04	30.05
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	337.58	51.39
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	262.57	41.85
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	16.27	2.87
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	111.94	3.48
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	17.64	3.48
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	583.79	93.80
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	349.93	55.89
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	257.29	35.94
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	538.19	76.11
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	607.39	86.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	792.92	105.04
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,279.94	182.26
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	191.70	28.93
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	342.56	52.24
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	696.73	106.44
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	2,025.55	310.04
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,481.31	226.63
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	156.10	24.01
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	145.99	23.87
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	198.09	34.26
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	293.38	44.65
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	228.29	36.23
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	214.52	34.82
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	34.17	5.56
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	126.00	19.66
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	125.96	19.10
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	45.86	15.73
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	11.58	1.74
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	121.25	18.39
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	71.03	10.84
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	192.21	28.65
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	100.53	15.16
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	28.90	4.07
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.88	2.25
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	251.93	38.19
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	757.07	109.80
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,446.52	221.30
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	38.56	5.73
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	195.75	26.96
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	408.96	40.65
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,089.45	157.26
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,089.45	157.26
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,636.85	235.90
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,636.85	235.90
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,386.89	300.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	35.13	5.06
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	52.73	5.06
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	76.75	9.55
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	119.13	10.67
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	150.57	21.34
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	277.70	26.96
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	8,240.59	1,319.90
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	10,508.71	1,628.82
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	9,503.76	1,488.40
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	13,204.70	1,965.81
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,903.15	2,078.14
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	13,350.62	1,993.90
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	14,099.94	2,106.23
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	14,505.20	2,190.47
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	15,136.28	2,302.80
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	15,909.06	2,415.14
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	16,589.31	2,527.47
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	15,583.53	2,302.80
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,497.56	308.91
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,509.59	308.91
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,261.97	280.83
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,275.94	280.83
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,812.18	337.00
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,390.37	292.06
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,617.45	328.01
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,296.09	926.74
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	5,183.02	741.39
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,834.50	280.83
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,318.61	182.54
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,836.29	246.00
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,585.89	303.30
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	346.28	45.49
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,313.09	280.83
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,655.57	233.08
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,299.89	179.73
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,658.19	233.08
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,655.57	233.08
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,635.79	219.04
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	194.59	19.66
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,905.75	1,078.38
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,776.66	1,887.17
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,075.80	140.41
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	24.44	2.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.68	0.57
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	593.11	81.44
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	718.56	98.85
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	1,037.36	143.22
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	152.87	21.34
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	24.00	4.49
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	21.73	3.37
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	22.86	3.94
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	35.13	5.06
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	35.18	5.06
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	127.62	19.10
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	314.42	40.44
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	423.56	53.92
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	433.77	58.98
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,048.37	84.25
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,549.94	185.35
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.87	1.70
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.85	3.40
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	26.83	10.20
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	27.82	10.20
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	19.25	6.80
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	31.25	10.20
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	41.35	15.30
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	52.10	17.96
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.85	2.03
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	23.11	6.18
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	27.84	4.49
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	39.91	6.18
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,813.05	215.67
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,851.51	248.26
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,120.86	151.65
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,280.50	171.31
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,813.05	215.67
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	2,186.43	248.26
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	620.94	76.39
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	934.18	116.82
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,762.03	241.51
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,584.86	353.85
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	139.61	19.66
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	104.42	14.61
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,384.21	518.13
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	103.04	11.91
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	102.21	15.44
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	60.89	9.27
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	24.88	3.76
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	115.38	16.29
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	162.66	23.02
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,270.13	180.86
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	36.92	5.23
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	16.54	2.33
21 22 16 00-0381		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0382		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	66.91	9.44
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	123.40	18.25
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	123.40	18.25
21 22 16 00-0386		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,851.75	135.48
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,518.64	155.12
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,550.76	182.90
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,680.18	216.76
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,562.96	270.96
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	867.44	270.96
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	302.22	90.10
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	366.06	67.74
21 22 16 00-0395	LB	FM200 Gas	30.05	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,274.16	72.89
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	908.02	101.88
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	905.48	109.19
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	226.44	38.61
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	267.41	72.89
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,170.70	109.19
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	897.75	288.02
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,608.63	541.09
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,483.88	1,083.42
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	375.42	109.19
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,730.08	410.09
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	406.71	109.19
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	372.40	109.19
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,695.24	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	255.50	50.80

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,170.62	112.23
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,343.17	139.79
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,645.67	172.46
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,943.15	204.63
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	65.69	5.87
21 23 16 00-0008	EA	System Valve Actuator	235.57	23.32
21 23 16 00-0009	EA	Vent Plug	44.13	4.73
21 23 16 00-0010	EA	Gauge Shield	101.53	12.47
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	121.31	12.47
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	128.61	13.21
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	244.50	24.94
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	239.66	28.31
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	299.64	28.37
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	40.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	43.11	
21 23 16 00-0018		**Nozzles And Accessories** *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	108.76	11.47
21 23 16 00-0020	EA	LPF Or DM Nozzle	118.39	11.47
21 23 16 00-0021	EA	LPR Nozzle	138.24	11.47
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	81.68	8.11
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	12.85	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.93	0.75
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	40.33	11.41
21 23 16 00-0026		**Control Systems** *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,267.86	74.82
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	108.10	12.47
21 23 16 00-0029	EA	24" High Pressure Hose	127.79	12.47
21 23 16 00-0030	EA	60" High Pressure Hose	171.56	12.47
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	249.02	24.94
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	82.52	11.72
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	89.09	11.72
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	36.22	9.35
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	713.75	48.32
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	113.98	11.72
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	206.39	20.33
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	633.27	65.22
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	70.17	18.71
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	94.31	18.71
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	252.52	12.47
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	193.44	12.47
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	31.77	3.37
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	443.80	20.57
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	53.28	5.49
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	102.19	6.24
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	3.09	1.25
21 23 16 00-0049	EA	Cable Clamp	14.38	0.63
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	2.04	0.49
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.96	0.49
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	113.70	11.60
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	23.65	6.24
21 23 16 00-0055	EA	KGS Rapid Response Link	34.82	6.24
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	29.81	6.24
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	27.79	6.24
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	40.92	6.24
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	518.23	26.93
21 23 16 00-0061	EA	1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	563.50	33.17
21 23 16 00-0062	EA	1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	646.54	41.90
21 23 16 00-0063	EA	1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	709.17	48.26
21 23 16 00-0064	EA	2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	765.23	56.99
21 23 16 00-0065	EA	2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,270.64	83.30
21 23 16 00-0066	EA	3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,418.34	96.39
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	588.70	30.43
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	66.85	
21 23 16 00-0069	EA	1/2" Diameter, Electric Solenoid Gas Shut-off Valve	541.44	25.07
21 23 16 00-0070	EA	3/4" Diameter, Electric Solenoid Gas Shut-off Valve	545.21	26.93
21 23 16 00-0071	EA	1" Diameter, Electric Solenoid Gas Shut-off Valve	842.90	33.17
21 23 16 00-0072	EA	1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	891.26	41.90
21 23 16 00-0073	EA	1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	1,023.26	48.26
21 23 16 00-0074	EA	2" Diameter, Electric Solenoid Gas Shut-off Valve	1,316.33	56.99
21 23 16 00-0075	EA	2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	2,178.21	83.30
21 23 16 00-0076	EA	3" Diameter, Electric Solenoid Gas Shut-off Valve	2,738.26	96.39
21 23 16 00-0077	EA	Manual Reset Relay	722.77	125.33
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	58.63	5.24
21 23 16 00-0080	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter	57.64	5.73
21 23 16 00-0081	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter	67.63	6.85
21 23 16 00-0082	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter	78.20	7.36
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	67.63	6.85
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	57.64	5.73
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	57.64	5.73
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	94.56	9.73
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	125.91	12.84
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	57.64	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	420.20	37.66
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	375.46	38.41
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	300.17	9.48
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	1,078.49	108.61
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	229.55	23.20
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	350.72	23.20
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	348.89	16.46
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	105.84	10.48
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	13.99	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	864.41	87.29
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,045.95	88.54
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,506.63	127.57
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,977.61	174.46
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	214.00	20.83
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,409.06	136.18
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	860.32	83.05
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	27.78	2.75
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	27.78	2.75
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	28.46	2.75
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	27.78	2.75
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	27.78	2.75
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	30.24	2.75
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	48.13	4.61
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	62.46	6.11
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	73.53	31.55
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	599.51	70.21
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	504.67	26.93
21 23 16 00-0121	EA	1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	574.53	33.17
21 23 16 00-0122	EA	1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	619.39	41.90
21 23 16 00-0123	EA	1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	681.08	48.13
21 23 16 00-0124	EA	2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	783.29	56.86
21 23 16 00-0125	EA	2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,830.52	83.17
21 23 16 00-0126	EA	3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,952.41	96.27
21 23 16 00-0127	EA	3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	395.33	26.93
21 23 16 00-0128	EA	1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	675.66	33.17
21 23 16 00-0129	EA	1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	704.10	41.90
21 23 16 00-0130	EA	1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	801.30	48.13
21 23 16 00-0131	EA	2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,111.23	56.86
21 23 16 00-0132	EA	2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,152.97	83.17
21 23 16 00-0133	EA	3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,269.43	96.27
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	99.64	9.23
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	141.70	11.72
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	551.50	11.72
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	36.77	3.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,204.41	117.09
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,534.68	149.77
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	787.32	76.69
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	949.99	92.41
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	868.65	84.54
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	906.58	88.41
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,180.95	114.97
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,354.70	132.18
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	110.03	10.72
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	27.63	1.75
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	28.42	2.24
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	88.23	8.60
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.11	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	95.95	9.35
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	192.21	18.58
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	406.76	39.41
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.96	0.37
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.15	0.37
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.77	0.49
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.80	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	91.16	8.97
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	95.16	9.35
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	11.16	1.12
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	130.96	12.22
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	18.34	1.75
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	25.53	2.49
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	11.16	1.12
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	15.71	1.49
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	15.36	1.49
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.39	0.37
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	7.43	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	142.17	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	970.28	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,258.73	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,453.32	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	44.66	4.24
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	46.24	4.49
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	89.06	8.60
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	126.03	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	270.90	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	179.92	17.59
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	191.54	24.69
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	48.13	4.61
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	6.31	1.63
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,713.39	274.35
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,803.26	274.35
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	910.82	62.36
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	852.11	62.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems *(21 24 16)*

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	727.18	96.77
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	1,014.65	122.00
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent	240.99	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent	423.61	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	168.69	20.31
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	98.27	11.78
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	42.61	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	168.69	20.31
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	423.61	50.92
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	225.76	27.08
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	275.86	27.08
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	672.22	80.84
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	50.74	6.09
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	225.76	27.08
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	40.59	4.87
21 24 16 00-0017	EA	Detector	30.43	3.65
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	11.41	1.35
21 24 16 00-0019	EA	Test Link	3.61	
21 24 16 00-0020	EA	Corner Pulley	15.73	1.90
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	253.66	30.47
21 24 16 00-0022	EA	Pulley Tee	114.14	13.68
21 24 16 00-0023	EA	Manual Pull Station (Standard)	101.46	12.19
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit	47.59	5.69
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	113.13	13.54
21 24 16 00-0026	EA	Conduit Offset	22.58	2.70
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal)	31.10	3.79
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal	25.36	3.12
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal	42.36	5.15
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal	42.36	5.15
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off	11.83	3.52
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off	28.21	3.52
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	50.74	6.09
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	50.74	6.09
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	50.74	6.09
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	50.74	6.09
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	50.74	6.09
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	72.95	8.80
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve	405.11	35.88
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve	476.16	52.13
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve	593.38	61.61
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	639.22	76.77
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	33.64	4.07
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	54.28	6.50
21 24 16 00-0045	EA	Gas Valve Trip Assembly	114.14	13.68

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	771.83	104.62
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	963.48	130.57
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,189.46	161.23
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,412.82	191.42
21 24 16 00-0051	EA	Vent Plug	32.41	4.36
21 24 16 00-0052	EA	Discharge Adapter Kit	41.76	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	85.90	11.60
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	90.93	12.35
21 24 16 00-0055	EA	4 Gallon Wall Bracket	171.72	23.32
21 24 16 00-0056	EA	6 Gallon Wall Bracket	190.31	25.81
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	671.39	91.03
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	700.47	94.90
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	803.56	108.86
21 24 16 00-0060	EA	Tandem Control Head	610.59	82.80
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	1,033.52	140.03
21 24 16 00-0062	EA	Mechanical Control Box	459.93	62.36
21 24 16 00-0063	EA	Tandem Control Box	459.93	62.36
21 24 16 00-0064	EA	Mechanical Control Box Adapter	134.80	18.33
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	405.12	54.87
21 24 16 00-0066	EA	Pressure Operated Actuator	166.52	22.57
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	269.61	36.53
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	274.90	37.29
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	67.41	9.11
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	777.96	105.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	166.52	22.57
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	166.52	22.57
21 24 16 00-0073	EA	Check Valve	139.24	26.81
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	75.34	10.23
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	32.77	4.44
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.62	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	171.82	23.32
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	78.77	10.72
21 24 16 00-0079	EA	Nozzles; DM And LPF	87.75	11.85
21 24 16 00-0080	EA	Swivel Adapter	55.50	7.48
21 24 16 00-0081	EA	Corner Pulley	23.79	3.24
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	1.05	0.37
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.28	0.37
21 24 16 00-0084	EA	"S" Hook	0.99	0.25
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	81.91	11.09
21 24 16 00-0086	EA	Cable Clamp	7.30	1.00
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	1.01	0.25
21 24 16 00-0088	EA	3/8" Cable Anchor	86.56	11.72
21 24 16 00-0089	EA	1/2" Cable Anchor	86.56	11.72
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	140.03	18.96
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	149.44	20.20
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	175.07	23.69
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	54.85	7.48
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	229.84	31.05
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	175.07	23.69
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	208.72	28.31
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	37.52	5.11
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	41.65	5.61
21 24 16 00-0099	EA	Fusible Link 165F To 360F	13.63	1.87
21 24 16 00-0100	EA	Fusible Link 500F	21.63	1.87
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	41.65	5.61
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	30.57	5.61
21 24 16 00-0103	EA	Quartzoid Link 400 F	224.56	30.43
21 24 16 00-0104	EA	Quartzoid Link 500 F	224.56	30.43
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	80.47	10.85
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	140.03	18.96
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	83.22	11.23
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	144.23	19.57
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	105.68	14.34
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	152.44	20.57
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	446.48	60.48
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	200.78	27.19
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	200.78	27.19
21 24 16 00-0114	EA	Electric Manual Pull Station	146.62	19.83
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	81.90	11.09
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	116.25	15.71
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	9.41	1.25
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	41.65	5.61
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	41.65	5.61
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	153.23	20.70
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	169.08	22.95
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	4.41	1.63
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	21.14	2.87
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	227.20	30.80
21 24 16 00-0125	EA	Suppression Abort Station	240.42	32.55
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	280.04	37.91
21 24 16 00-0127	EA	Surface Mount Back Box	92.47	12.47
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,717.22	232.32
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,717.22	232.32
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	142.66	19.33
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.48	0.87
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,241.61	
21 24 16 00-0133	EA	Extra Scorpio Key	21.14	
21 24 16 00-0134	EA	Extra Scorpio Manual	13.20	
21 24 16 00-0135	EA	3/8" Diameter Pipe Compression Seal Adapter	35.93	4.87
21 24 16 00-0136	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	39.00	5.24
21 24 16 00-0137	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	46.92	6.36
21 24 16 00-0138	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	50.19	6.73
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	39.00	5.24
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	39.00	5.24
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	66.74	9.11
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	88.49	11.97
21 24 16 00-0143	EA	Up To 1-1/8" Diameter Quik Patch	39.00	5.24
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	86.82	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	149.26	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	225.60	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	330.13	
21 24 16 00-0148	EA	Inlet Flushing Adapter	64.72	8.73
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	64.72	8.73
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	64.72	8.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	64.72	8.73
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	64.72	8.73
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	89.82	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	7.18	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	8.62	
21 24 16 00-0156	EA	Inspection Label, Authorized Installers Only	6.02	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	4.29	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,135.96	153.75
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,326.17	179.44
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,651.13	223.47
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,651.13	223.47
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	2,076.46	280.95
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	984.07	133.18
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	924.62	125.07
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	747.62	101.13
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,294.46	175.20
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,186.14	160.49

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	22,787.23	2,145.36
		For Duplex Pumping System, Add	*20,641.87*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	26,240.51	2,413.54
		For Duplex Pumping System, Add	*24,005.76*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	35,056.12	2,681.71
		For Duplex Pumping System, Add	*32,573.06*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	43,041.07	2,935.54
		For Duplex Pumping System, Add	*40,105.54*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	47,955.57	3,202.41
		For Duplex Pumping System, Add	*44,753.16*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	81,981.04	2,401.81
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	92,746.48	2,668.67
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	97,428.75	2,935.54
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	110,894.37	3,202.41
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	117,651.95	3,736.15
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	126,511.38	4,803.61
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	137,303.61	5,337.35
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	157,006.26	6,084.57
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	188,175.87	6,564.94
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	220,819.81	7,472.29
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	262,234.95	8,006.02
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	295,373.46	8,539.76

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.02
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	51.07
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	56.16
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	59.95
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	64.97
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	82.87
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	105.60
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	122.77
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	140.76
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	77.33
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	81.56
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	90.28
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	99.23
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	109.43
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	141.35
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	171.88
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	195.95
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	222.31
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	109.80
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	114.32
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	126.33
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	138.56
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	156.46
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	191.45
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	225.34
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	271.63
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	334.40
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	343.10
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	367.69

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.88
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.90
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	44.50
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	70.44
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	70.31
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	53.25
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.33
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	85.18
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	68.72	
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	70.91	
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	92.91	
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	76.21	
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	79.81	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	85.07	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	88.38	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	112.28	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.54	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	100.24	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	103.82	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	115.20	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	135.64	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	148.76	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	157.01	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.53	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	167.16	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	168.64	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.43	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.70	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.16	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	193.91	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	193.71	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.64	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.57	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.95	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	174.92	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	50.81	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	55.02	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	64.88	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	85.37	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	127.92	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	191.87	

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam *(22 01 10 61)*

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.44	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	69.63	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	24.87	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	33.69	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	47.24	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	73.25	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	46.54	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	53.74	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	66.09	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	49.42	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	130.22	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	35.35	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	19.08	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	20.03	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	19.08	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	10.67	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	31.06	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	51.34	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	42.90	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	36.98	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	41.58	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	31.43	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	23.14	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	44.27	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	11.06	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	174.13	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	220.77	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	236.64	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	251.96	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	226.11	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	27.73	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	20.20	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	21.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	79.79	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	81.81	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	338.05	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	82.08	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	55.69	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	12.49	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	85.44	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	44.41	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	48.74	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	30.67	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	40.59	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	45.82	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	33.81	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	298.60	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	379.44	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	224.28	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	103.07	13.54
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.83*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	105.14	13.54
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*12.45*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	107.69	13.54
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*13.10*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	127.67	14.89
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*17.66*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	155.54	16.93
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*21.38*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	227.86	18.01
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*27.08*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	253.70	20.85
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*31.25*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	304.27	24.65
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*36.93*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	691.78	33.29
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*49.88*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	811.97	38.65
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*57.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0013		**Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves** *(22 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)		
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	124.27	13.54
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.83*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	126.16	13.54
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*12.45*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	146.87	13.54
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*13.10*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	166.86	14.89
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*17.66*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	200.25	16.93
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*21.38*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	289.01	18.01
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*27.08*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	330.62	20.85
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*31.25*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	423.12	24.65
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*36.93*	
22 05 23 00-0022		**200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves** *(22 05 23 00-0001)*		
		Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	141.42	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	159.27	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	209.23	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	285.06	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	330.41	20.85
		For Work In Restricted Working Space, Add	*15.23*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	454.59	24.65
		For Work In Restricted Working Space, Add	*18.28*	
22 05 23 00-0029		**Ball Valves** *(22 05 23)*		
22 05 23 00-0030		**Crimped Bronze, Ball Valves** *(22 05 23 00-0029)*		
22 05 23 00-0031		**Crimped Bronze, 250 PSI, Ball Valves** *(22 05 23 00-0030)*		
		Note: NIBCO		
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	97.48	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	126.01	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	161.66	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	260.69	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	344.33	20.85
		For Work In Restricted Working Space, Add	*15.23*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	518.59	24.65
		For Work In Restricted Working Space, Add	*18.28*	
22 05 23 00-0038		**Crimped Bronze, 200 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	59.70	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	75.77	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	92.02	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	127.87	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	164.54	20.85
		For Work In Restricted Working Space, Add	*15.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	242.63	24.65
		For Work In Restricted Working Space, Add	*18.28*	

22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	68.39	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	82.09	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	102.13	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	159.46	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	232.48	20.85
		For Work In Restricted Working Space, Add	*15.23*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	321.63	24.65
		For Work In Restricted Working Space, Add	*18.28*	

22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	66.02	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	79.88	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	97.07	16.93
		For Work In Restricted Working Space, Add	*12.44*	

22 05 23 00-0056 Check Valves *(22 05 23)*

22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*

Note: NIBCO

22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	185.33	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	235.79	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	325.76	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	434.01	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	517.68	20.85
		For Work In Restricted Working Space, Add	*15.23*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	740.49	24.65
		For Work In Restricted Working Space, Add	*18.28*	

22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*

22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	53.03	13.54
		For Work In Restricted Working Space, Add	*9.14*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	63.56	14.89
		For Work In Restricted Working Space, Add	*10.41*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	74.73	16.93
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	93.81	18.01
		For Work In Restricted Working Space, Add	*13.71*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	119.08	20.85
		For Work In Restricted Working Space, Add	*15.23*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	185.23	24.65
		For Work In Restricted Working Space, Add	*18.28*	

22 05 23 00-0071 Butterfly Valves *(22 05 23)*

22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,379.64	36.16
		For Work In Restricted Working Space, Add	*21.33*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,493.85	41.98
		For Work In Restricted Working Space, Add	*25.39*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,867.63	47.40
		For Work In Restricted Working Space, Add	*33.51*	

22 05 23 00-0076 Emergency Shut-Off Valve With Fusible Link *(22 05 23)*

22 05 23 00-0077 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(22 05 23 00-0076)*

Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.

22 05 23 00-0078	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	115.05	21.80
		For Work In Restricted Working Space, Add	*11.83*	
22 05 23 00-0079	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	117.17	23.02
		For Work In Restricted Working Space, Add	*12.47*	
22 05 23 00-0080	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	199.30	21.80
		For Work In Restricted Working Space, Add	*13.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0081	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	404.43	29.39
		For Work In Restricted Working Space, Add	*17.66*	
22 05 23 00-0082	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	1,050.94	35.61
		For Work In Restricted Working Space, Add	*21.38*	
22 05 23 00-0083		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0076)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0084	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	780.84	20.85
22 05 23 00-0085	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	837.95	24.65
22 05 23 00-0086	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,413.61	38.65
22 05 23 00-0087		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0076)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0088	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	810.52	180.50
22 05 23 00-0089	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,313.44	211.99
22 05 23 00-0090	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,993.67	355.40
22 05 23 00-0091		Regulator Valves *(22 05 23)*		
22 05 23 00-0092	EA	4" Diameter, Regulator Valve (Cla-Val)	4,059.47	
22 05 23 00-0093	EA	8" Diameter, Regulator Valve (Cla-Val)	5,521.90	
22 05 23 00-0094	EA	10" Diameter, Regulator Valve (Cla-Val)	7,529.68	
22 05 23 00-0095	EA	12" Diameter, Regulator Valve (Cla-Val)	9,133.50	
22 05 23 00-0096	EA	18" Diameter, Regulator Valve (Cla-Val)	16,047.47	
22 05 23 00-0097	EA	24" Diameter, Regulator Valve (Cla-Val)	25,951.53	
22 05 23 00-0098		Earthquake-Sensitive Gas Shut-Off Valves *(22 05 23)*		
22 05 23 00-0099		0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0100	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	202.75	14.89
22 05 23 00-0101	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	229.66	16.93
22 05 23 00-0102		7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0103	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	268.46	18.01
22 05 23 00-0104	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	361.54	20.85
22 05 23 00-0105		60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0106	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	250.27	14.89
22 05 23 00-0107	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	262.66	16.93
22 05 23 00-0108	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	294.85	18.01
22 05 23 00-0109	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	401.14	20.85
22 05 23 00-0110	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	915.04	24.65
22 05 23 00-0111	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,089.60	33.17
22 05 23 00-0112	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,412.76	38.65
22 05 23 00-0113	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,637.13	43.65
22 05 23 00-0114		60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0098)*		
22 05 23 00-0115	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,281.60	180.50
22 05 23 00-0116	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,578.62	211.99
22 05 23 00-0117	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,227.22	355.40
22 05 23 00-0118	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,628.89	420.20
22 05 23 00-0119	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,774.29	536.93

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	879.25	72.03
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	946.28	90.31
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,182.67	109.14
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,708.02	122.14
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,107.96	132.29
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,016.69	72.03
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,085.90	90.31
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,322.29	109.14
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,847.65	122.14
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,247.58	132.29
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*
Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*
Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	118.17	22.61
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	127.20	27.08
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	162.78	30.47
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	277.17	33.86
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	418.46	37.24
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*
Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	594.00	22.61
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	855.44	23.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	914.04	25.05
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,022.45	28.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*
Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	604.49	22.61
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	870.89	23.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	930.56	25.05
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,040.92	28.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*
Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	586.37	22.61
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	811.33	23.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,150.68	25.05
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,393.10	28.44
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*
Note: Satin smooth secured cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	632.95	72.03
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	720.32	90.18
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	943.65	109.14
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,301.18	132.29
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,121.86	72.03
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,209.22	90.18
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,400.11	109.14
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,961.55	132.29
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	518.53	58.91
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	580.33	64.31
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	773.83	84.63
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,173.28	100.20
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	2,020.56	118.48

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	87.90	16.93
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	105.32	18.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	180.40	20.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	201.90	23.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	228.28	27.08
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	320.85	30.47
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	472.23	33.86
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	797.50	37.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,147.40	40.63
		For Plug Tapped For Center Screw, Add	*9.50*	

22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	37.32	16.93
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	37.93	16.93
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	41.32	18.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	46.70	20.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	55.10	23.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	64.60	27.08
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	69.32	28.52
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	74.43	30.47
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	95.83	33.85
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	36.85	16.93
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	37.52	16.93
		For Plug Tapped For Center Screw, Add	*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	42.63	18.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	46.89	20.31
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	54.54	23.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	63.71	27.08
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	73.95	30.47
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	87.98	33.86
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	387.45	30.83

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	9.86	3.02
		For Single Layer Of Felt Finish, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.04	3.02
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.68	3.15
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.05	3.29
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.34	3.29
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.01	3.43
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.54	3.56
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.21	3.70
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.94	3.97
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	17.62	4.66
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.77*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.29	4.11
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.59	4.11
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.79	4.11
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.27	4.25
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.63	4.25
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.21	4.39
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.04	4.66
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.81	4.79
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.92	5.07
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	21.83	5.89
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	26.79	6.58
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*5.38*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	31.52	7.81
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*6.36*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	36.18	8.91
		For Single Layer Of Felt Finish, Add	*1.23*	
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	38.90	9.72
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*7.60*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	15.86	4.24
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.05	4.24
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.52*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.96	4.48
		For Single Layer Of Felt Finish, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.53	4.58
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.03	4.66
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.21	4.90
		For Single Layer Of Felt Finish, Add	*0.59*	
		For Work In Restricted Working Space, Add	*4.08*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.00	4.98
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.65	5.16
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*4.29*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	22.74	5.59
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.36	6.52
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.46	6.88
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*5.72*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.93	8.23
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.84*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.84	9.59
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*7.97*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.64	10.51
		For Single Layer Of Felt Finish, Add	*1.74*	
		For Work In Restricted Working Space, Add	*8.73*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	19.35	4.66
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	19.57	4.66
		For Single Layer Of Felt Finish, Add	*0.70*	
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.20	4.79
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.91*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.77	4.79
		For Single Layer Of Felt Finish, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.37	4.93
		For Single Layer Of Felt Finish, Add	*0.84*	
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.16	5.07
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	23.28	5.21
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.46	5.48
		For Single Layer Of Felt Finish, Add	*1.01*	
		For Work In Restricted Working Space, Add	*4.45*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	26.68	5.75
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*4.70*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	31.59	6.76
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*5.63*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	35.65	7.14
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.95*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	42.67	8.53
		For Single Layer Of Felt Finish, Add	*1.99*	
		For Work In Restricted Working Space, Add	*7.12*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	49.22	10.24
		For Single Layer Of Felt Finish, Add	*2.18*	
		For Work In Restricted Working Space, Add	*8.53*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	63.17	11.17
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*11.90*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	66.43	13.08
		For Single Layer Of Felt Finish, Add	*2.81*	
		For Work In Restricted Working Space, Add	*11.90*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	73.44	13.74
		For Single Layer Of Felt Finish, Add	*3.34*	
		For Work In Restricted Working Space, Add	*12.49*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	83.28	15.70
		For Single Layer Of Felt Finish, Add	*3.75*	
		For Work In Restricted Working Space, Add	*14.27*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	97.07	18.97
		For Single Layer Of Felt Finish, Add	*4.16*	
		For Work In Restricted Working Space, Add	*17.25*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.86	5.48
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.17	5.48
		For Single Layer Of Felt Finish, Add	*0.98*	
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.08	5.48
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.75	5.62
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.46	5.62
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.60*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	27.55	5.89
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.05	6.03
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*4.95*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.44	6.30
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*5.13*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.57	6.58
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*5.41*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.46	6.99
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*6.14*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	50.80	8.35
		For Single Layer Of Felt Finish, Add	*2.94*	
		For Work In Restricted Working Space, Add	*6.85*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	60.55	9.59
		For Single Layer Of Felt Finish, Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.90*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	69.16	11.92
		For Single Layer Of Felt Finish, Add	*3.83*	
		For Work In Restricted Working Space, Add	*9.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	78.06	13.15
		For Single Layer Of Felt Finish, Add	*4.44*	
		For Work In Restricted Working Space, Add	*10.72*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	92.31	16.71
		For Single Layer Of Felt Finish, Add	*4.90*	
		For Work In Restricted Working Space, Add	*13.70*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	99.13	17.53
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*14.39*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	112.55	20.00
		For Single Layer Of Felt Finish, Add	*6.06*	
		For Work In Restricted Working Space, Add	*16.44*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	132.59	24.17
		For Single Layer Of Felt Finish, Add	*6.97*	
		For Work In Restricted Working Space, Add	*19.86*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	26.32	6.05
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.93*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	26.66	6.05
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.93*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	27.57	6.11
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	28.30	6.15
		For Single Layer Of Felt Finish, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.02*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	29.13	6.22
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.07*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	30.25	6.46
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.26*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.91	6.67
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.44*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	33.43	6.92
		For Single Layer Of Felt Finish, Add	*1.54*	
		For Work In Restricted Working Space, Add	*5.63*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	36.89	7.30
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.95*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	42.26	8.29
		For Single Layer Of Felt Finish, Add	*2.07*	
		For Work In Restricted Working Space, Add	*6.76*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	55.79	9.23
		For Single Layer Of Felt Finish, Add	*3.22*	
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	66.52	10.66
		For Single Layer Of Felt Finish, Add	*3.94*	
		For Work In Restricted Working Space, Add	*8.69*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	75.99	13.24
		For Single Layer Of Felt Finish, Add	*4.20*	
		For Work In Restricted Working Space, Add	*10.80*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	85.76	14.47
		For Single Layer Of Felt Finish, Add	*4.88*	
		For Work In Restricted Working Space, Add	*11.79*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	101.42	18.48
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*15.07*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	108.92	19.42
		For Single Layer Of Felt Finish, Add	*5.90*	
		For Work In Restricted Working Space, Add	*15.83*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	123.68	22.19
		For Single Layer Of Felt Finish, Add	*6.65*	
		For Work In Restricted Working Space, Add	*18.09*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	145.69	26.80
		For Single Layer Of Felt Finish, Add	*7.65*	
		For Work In Restricted Working Space, Add	*21.85*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.42	6.58
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*5.41*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.82	6.58
		For Single Layer Of Felt Finish, Add	*1.13*	
		For Work In Restricted Working Space, Add	*5.41*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.14	6.58
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.90	6.72
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.84	6.72
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*5.55*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.01	6.99
		For Single Layer Of Felt Finish, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.73*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.82	7.26
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*5.93*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.40	7.54
		For Single Layer Of Felt Finish, Add	*1.67*	
		For Work In Restricted Working Space, Add	*6.15*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.30	7.95
		For Single Layer Of Felt Finish, Add	*1.96*	
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	46.12	9.04
		For Single Layer Of Felt Finish, Add	*2.26*	
		For Work In Restricted Working Space, Add	*7.37*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	60.92	10.00
		For Single Layer Of Felt Finish, Add	*3.52*	
		For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	72.66	11.51
		For Single Layer Of Felt Finish, Add	*4.31*	
		For Work In Restricted Working Space, Add	*9.48*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	82.99	14.38
		For Single Layer Of Felt Finish, Add	*4.59*	
		For Work In Restricted Working Space, Add	*11.78*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	93.68	15.76
		For Single Layer Of Felt Finish, Add	*5.34*	
		For Work In Restricted Working Space, Add	*12.86*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	110.79	20.00
		For Single Layer Of Felt Finish, Add	*5.88*	
		For Work In Restricted Working Space, Add	*16.44*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	118.95	21.10
		For Single Layer Of Felt Finish, Add	*6.45*	
		For Work In Restricted Working Space, Add	*17.26*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	135.12	24.11
		For Single Layer Of Felt Finish, Add	*7.28*	
		For Work In Restricted Working Space, Add	*19.74*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	159.13	29.04
		For Single Layer Of Felt Finish, Add	*8.37*	
		For Work In Restricted Working Space, Add	*23.84*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	32.16	7.39
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*6.00*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	32.59	7.39
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*6.00*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	33.84	7.39
		For Single Layer Of Felt Finish, Add	*1.41*	
		For Work In Restricted Working Space, Add	*6.11*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	34.84	7.54
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*6.18*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	36.26	7.81
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.37*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	37.56	8.08
		For Single Layer Of Felt Finish, Add	*1.64*	
		For Work In Restricted Working Space, Add	*6.57*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	39.17	8.08
		For Single Layer Of Felt Finish, Add	*1.78*	
		For Work In Restricted Working Space, Add	*6.67*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	41.10	8.49
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*6.92*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	45.31	8.91
		For Single Layer Of Felt Finish, Add	*2.20*	
		For Work In Restricted Working Space, Add	*7.30*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	51.88	10.14
		For Single Layer Of Felt Finish, Add	*2.55*	
		For Work In Restricted Working Space, Add	*8.29*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	68.54	10.97
		For Single Layer Of Felt Finish, Add	*3.96*	
		For Work In Restricted Working Space, Add	*9.24*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	81.76	13.01
		For Single Layer Of Felt Finish, Add	*4.85*	
		For Work In Restricted Working Space, Add	*10.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	93.39	16.17
		For Single Layer Of Felt Finish, Add	*5.17*	
		For Work In Restricted Working Space, Add	*13.25*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	105.43	17.67
		For Single Layer Of Felt Finish, Add	*6.00*	
		For Work In Restricted Working Space, Add	*14.48*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	124.70	22.61
		For Single Layer Of Felt Finish, Add	*6.61*	
		For Work In Restricted Working Space, Add	*18.51*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	133.76	23.71
		For Single Layer Of Felt Finish, Add	*7.25*	
		For Work In Restricted Working Space, Add	*19.40*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	150.19	27.13
		For Single Layer Of Felt Finish, Add	*8.00*	
		For Work In Restricted Working Space, Add	*22.20*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	179.04	32.74
		For Single Layer Of Felt Finish, Add	*9.41*	
		For Work In Restricted Working Space, Add	*26.83*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	204.83	38.64
		For Single Layer Of Felt Finish, Add	*10.44*	
		For Work In Restricted Working Space, Add	*31.61*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	231.54	45.48
		For Single Layer Of Felt Finish, Add	*11.28*	
		For Work In Restricted Working Space, Add	*37.23*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	261.96	53.71
		For Single Layer Of Felt Finish, Add	*12.07*	
		For Work In Restricted Working Space, Add	*44.10*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	317.52	68.28
		For Single Layer Of Felt Finish, Add	*13.71*	
		For Work In Restricted Working Space, Add	*56.07*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	373.09	83.16
		For Single Layer Of Felt Finish, Add	*15.36*	
		For Work In Restricted Working Space, Add	*68.05*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	401.91	91.38
		For Single Layer Of Felt Finish, Add	*15.95*	
		For Work In Restricted Working Space, Add	*75.00*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	427.70	98.37
		For Single Layer Of Felt Finish, Add	*16.59*	
		For Work In Restricted Working Space, Add	*80.91*	

22 07 19 00-0145 4-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0146	LF	1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.32	7.95
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0147	LF	3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.83	7.95
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0148	LF	1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	37.22	7.95
		For Single Layer Of Felt Finish, Add	*1.61*	
		For Work In Restricted Working Space, Add	*6.57*	
22 07 19 00-0149	LF	1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.35	8.10
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*6.64*	
22 07 19 00-0150	LF	1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	39.91	8.39
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*6.85*	
22 07 19 00-0151	LF	2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	41.37	8.69
		For Single Layer Of Felt Finish, Add	*1.87*	
		For Work In Restricted Working Space, Add	*7.07*	
22 07 19 00-0152	LF	2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	43.17	8.69
		For Single Layer Of Felt Finish, Add	*2.02*	
		For Work In Restricted Working Space, Add	*7.17*	
22 07 19 00-0153	LF	3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.30	9.13
		For Single Layer Of Felt Finish, Add	*2.15*	
		For Work In Restricted Working Space, Add	*7.43*	
22 07 19 00-0154	LF	4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	50.02	9.57
		For Single Layer Of Felt Finish, Add	*2.50*	
		For Work In Restricted Working Space, Add	*7.85*	
22 07 19 00-0155	LF	6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	57.30	10.89
		For Single Layer Of Felt Finish, Add	*2.90*	
		For Work In Restricted Working Space, Add	*8.91*	
22 07 19 00-0156	LF	8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	76.05	11.78
		For Single Layer Of Felt Finish, Add	*4.51*	
		For Work In Restricted Working Space, Add	*9.94*	
22 07 19 00-0157	LF	10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	90.79	13.99
		For Single Layer Of Felt Finish, Add	*5.52*	
		For Work In Restricted Working Space, Add	*11.47*	
22 07 19 00-0158	LF	12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	103.48	17.38
		For Single Layer Of Felt Finish, Add	*5.88*	
		For Work In Restricted Working Space, Add	*14.25*	
22 07 19 00-0159	LF	14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	116.92	18.99
		For Single Layer Of Felt Finish, Add	*6.83*	
		For Work In Restricted Working Space, Add	*15.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0160	LF	16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	138.00	24.30
		For Single Layer Of Felt Finish, Add	*7.52*	
		For Work In Restricted Working Space, Add	*19.90*	
22 07 19 00-0161	LF	18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	148.12	25.48
		For Single Layer Of Felt Finish, Add	*8.25*	
		For Work In Restricted Working Space, Add	*20.85*	
22 07 19 00-0162	LF	20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	166.23	29.16
		For Single Layer Of Felt Finish, Add	*9.10*	
		For Work In Restricted Working Space, Add	*23.87*	
22 07 19 00-0163	LF	24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	198.08	35.20
		For Single Layer Of Felt Finish, Add	*10.71*	
		For Work In Restricted Working Space, Add	*28.84*	
22 07 19 00-0164	LF	26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	226.43	41.53
		For Single Layer Of Felt Finish, Add	*11.88*	
		For Work In Restricted Working Space, Add	*33.99*	
22 07 19 00-0165	LF	28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	255.63	48.89
		For Single Layer Of Felt Finish, Add	*12.83*	
		For Work In Restricted Working Space, Add	*40.02*	
22 07 19 00-0166	LF	30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	288.82	57.73
		For Single Layer Of Felt Finish, Add	*13.73*	
		For Work In Restricted Working Space, Add	*47.41*	
22 07 19 00-0167	LF	36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	349.53	73.41
		For Single Layer Of Felt Finish, Add	*15.60*	
		For Work In Restricted Working Space, Add	*60.28*	
22 07 19 00-0168	LF	42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	410.23	89.40
		For Single Layer Of Felt Finish, Add	*17.47*	
		For Work In Restricted Working Space, Add	*73.15*	
22 07 19 00-0169	LF	44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	441.57	98.23
		For Single Layer Of Felt Finish, Add	*18.15*	
		For Work In Restricted Working Space, Add	*80.63*	
22 07 19 00-0170	LF	46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket	469.68	105.75
		For Single Layer Of Felt Finish, Add	*18.88*	
		For Work In Restricted Working Space, Add	*86.97*	

22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0172	LF	1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	39.21	8.75
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0173	LF	3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	39.76	8.75
		For Single Layer Of Felt Finish, Add	*1.69*	
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0174	LF	1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	41.32	8.75
		For Single Layer Of Felt Finish, Add	*1.81*	
		For Work In Restricted Working Space, Add	*7.22*	
22 07 19 00-0175	LF	1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	42.59	8.91
		For Single Layer Of Felt Finish, Add	*1.91*	
		For Work In Restricted Working Space, Add	*7.31*	
22 07 19 00-0176	LF	1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	44.34	9.23
		For Single Layer Of Felt Finish, Add	*2.02*	
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0177	LF	2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	45.93	9.56
		For Single Layer Of Felt Finish, Add	*2.10*	
		For Work In Restricted Working Space, Add	*7.77*	
22 07 19 00-0178	LF	2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	47.97	9.56
		For Single Layer Of Felt Finish, Add	*2.27*	
		For Work In Restricted Working Space, Add	*7.89*	
22 07 19 00-0179	LF	3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	50.36	10.05
		For Single Layer Of Felt Finish, Add	*2.42*	
		For Work In Restricted Working Space, Add	*8.18*	
22 07 19 00-0180	LF	4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	55.62	10.53
		For Single Layer Of Felt Finish, Add	*2.82*	
		For Work In Restricted Working Space, Add	*8.63*	
22 07 19 00-0181	LF	6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	63.72	11.98
		For Single Layer Of Felt Finish, Add	*3.26*	
		For Work In Restricted Working Space, Add	*9.80*	
22 07 19 00-0182	LF	8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	84.71	12.96
		For Single Layer Of Felt Finish, Add	*5.07*	
		For Work In Restricted Working Space, Add	*10.93*	
22 07 19 00-0183	LF	10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	101.18	15.39
		For Single Layer Of Felt Finish, Add	*6.21*	
		For Work In Restricted Working Space, Add	*12.62*	
22 07 19 00-0184	LF	12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	115.24	19.12
		For Single Layer Of Felt Finish, Add	*6.61*	
		For Work In Restricted Working Space, Add	*15.68*	
22 07 19 00-0185	LF	14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	130.24	20.90
		For Single Layer Of Felt Finish, Add	*7.68*	
		For Work In Restricted Working Space, Add	*17.12*	
22 07 19 00-0186	LF	16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	153.58	26.73
		For Single Layer Of Felt Finish, Add	*8.46*	
		For Work In Restricted Working Space, Add	*21.89*	
22 07 19 00-0187	LF	18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	164.90	28.02
		For Single Layer Of Felt Finish, Add	*9.29*	
		For Work In Restricted Working Space, Add	*22.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0188	LF	20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	185.02	32.08
		For Single Layer Of Felt Finish, Add	*10.24*	
		For Work In Restricted Working Space, Add	*26.26*	
22 07 19 00-0189	LF	24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	220.45	38.72
		For Single Layer Of Felt Finish, Add	*12.04*	
		For Work In Restricted Working Space, Add	*31.72*	
22 07 19 00-0190	LF	26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	251.90	45.69
		For Single Layer Of Felt Finish, Add	*13.36*	
		For Work In Restricted Working Space, Add	*37.39*	
22 07 19 00-0191	LF	28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	284.25	53.79
		For Single Layer Of Felt Finish, Add	*14.44*	
		For Work In Restricted Working Space, Add	*44.02*	
22 07 19 00-0192	LF	30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	320.98	63.51
		For Single Layer Of Felt Finish, Add	*15.45*	
		For Work In Restricted Working Space, Add	*52.15*	
22 07 19 00-0193	LF	36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	388.21	80.74
		For Single Layer Of Felt Finish, Add	*17.55*	
		For Work In Restricted Working Space, Add	*66.31*	
22 07 19 00-0194	LF	42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	455.43	98.34
		For Single Layer Of Felt Finish, Add	*19.66*	
		For Work In Restricted Working Space, Add	*80.47*	
22 07 19 00-0195	LF	44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	490.05	108.06
		For Single Layer Of Felt Finish, Add	*20.42*	
		For Work In Restricted Working Space, Add	*88.69*	
22 07 19 00-0196	LF	46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket	521.16	116.32
		For Single Layer Of Felt Finish, Add	*21.24*	
		For Work In Restricted Working Space, Add	*95.68*	

22 07 19 00-0197 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0198 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0199	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	23.82	6.69
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0200	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	24.72	6.69
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0201	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	25.93	6.78
		For Work In Restricted Working Space, Add	*6.16*	
22 07 19 00-0202	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	26.53	6.88
		For Work In Restricted Working Space, Add	*6.25*	
22 07 19 00-0203	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	27.44	6.97
		For Work In Restricted Working Space, Add	*6.34*	
22 07 19 00-0204	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	29.18	7.16
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0205	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	31.37	7.46
		For Work In Restricted Working Space, Add	*6.79*	
22 07 19 00-0206	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	33.73	7.66
		For Work In Restricted Working Space, Add	*6.96*	
22 07 19 00-0207	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	38.84	8.23
		For Work In Restricted Working Space, Add	*7.49*	
22 07 19 00-0208	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	49.12	9.29
		For Work In Restricted Working Space, Add	*8.45*	

22 07 19 00-0209 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0210	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.03	7.41
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0211	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.60	7.41
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0212	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.47	7.51
		For Work In Restricted Working Space, Add	*6.61*	
22 07 19 00-0213	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.16	7.61
		For Work In Restricted Working Space, Add	*6.69*	
22 07 19 00-0214	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.83	7.71
		For Work In Restricted Working Space, Add	*6.78*	
22 07 19 00-0215	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.33	7.96
		For Work In Restricted Working Space, Add	*7.00*	
22 07 19 00-0216	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	37.57	8.26
		For Work In Restricted Working Space, Add	*7.27*	
22 07 19 00-0217	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.35	8.50
		For Work In Restricted Working Space, Add	*7.49*	
22 07 19 00-0218	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	46.69	9.06
		For Work In Restricted Working Space, Add	*7.97*	
22 07 19 00-0219	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	54.89	10.26
		For Work In Restricted Working Space, Add	*9.03*	
22 07 19 00-0220	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	61.37	11.44
		For Work In Restricted Working Space, Add	*10.07*	
22 07 19 00-0221	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	74.30	13.19
		For Work In Restricted Working Space, Add	*11.61*	
22 07 19 00-0222	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	88.33	16.40
		For Work In Restricted Working Space, Add	*14.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0223	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	98.06	17.25
		For Work In Restricted Working Space, Add	*15.68*	
22 07 19 00-0224	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	108.02	19.27
		For Work In Restricted Working Space, Add	*17.51*	
22 07 19 00-0225	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	122.64	22.79
		For Work In Restricted Working Space, Add	*20.72*	
22 07 19 00-0226	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	136.95	25.22
		For Work In Restricted Working Space, Add	*22.94*	
22 07 19 00-0227	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	170.19	27.95
		For Work In Restricted Working Space, Add	*25.40*	

22 07 19 00-0228 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0229	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	31.43	7.66
		For Work In Restricted Working Space, Add	*6.96*	
22 07 19 00-0230	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	32.32	7.66
		For Work In Restricted Working Space, Add	*6.96*	
22 07 19 00-0231	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	33.47	7.74
		For Work In Restricted Working Space, Add	*7.04*	
22 07 19 00-0232	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	35.16	7.85
		For Work In Restricted Working Space, Add	*7.13*	
22 07 19 00-0233	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	36.87	7.95
		For Work In Restricted Working Space, Add	*7.22*	
22 07 19 00-0234	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	41.09	8.23
		For Work In Restricted Working Space, Add	*7.49*	
22 07 19 00-0235	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	43.05	8.53
		For Work In Restricted Working Space, Add	*7.75*	
22 07 19 00-0236	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	46.13	8.81
		For Work In Restricted Working Space, Add	*8.01*	
22 07 19 00-0237	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	51.80	9.30
		For Work In Restricted Working Space, Add	*8.45*	
22 07 19 00-0238	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	61.85	10.56
		For Work In Restricted Working Space, Add	*9.60*	
22 07 19 00-0239	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	68.85	11.78
		For Work In Restricted Working Space, Add	*10.71*	
22 07 19 00-0240	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	83.63	13.58
		For Work In Restricted Working Space, Add	*12.35*	
22 07 19 00-0241	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	103.60	16.88
		For Work In Restricted Working Space, Add	*15.34*	
22 07 19 00-0242	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	110.76	18.43
		For Work In Restricted Working Space, Add	*16.75*	
22 07 19 00-0243	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	131.32	23.55
		For Work In Restricted Working Space, Add	*21.41*	
22 07 19 00-0244	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	142.97	24.72
		For Work In Restricted Working Space, Add	*22.47*	
22 07 19 00-0245	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	158.35	28.27
		For Work In Restricted Working Space, Add	*25.69*	
22 07 19 00-0246	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	198.36	34.15
		For Work In Restricted Working Space, Add	*31.04*	

22 07 19 00-0247 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0197)*

22 07 19 00-0248	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.96	8.30
		For Work In Restricted Working Space, Add	*7.55*	
22 07 19 00-0249	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.45	8.29
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0250	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.40	8.42
		For Work In Restricted Working Space, Add	*7.67*	
22 07 19 00-0251	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.10	8.49
		For Work In Restricted Working Space, Add	*7.72*	
22 07 19 00-0252	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	44.82	8.56
		For Work In Restricted Working Space, Add	*7.78*	
22 07 19 00-0253	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	47.99	8.91
		For Work In Restricted Working Space, Add	*8.10*	
22 07 19 00-0254	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.02	9.22
		For Work In Restricted Working Space, Add	*8.38*	
22 07 19 00-0255	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.32	9.53
		For Work In Restricted Working Space, Add	*8.67*	
22 07 19 00-0256	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	61.87	10.06
		For Work In Restricted Working Space, Add	*9.14*	
22 07 19 00-0257	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	73.87	11.44
		For Work In Restricted Working Space, Add	*10.40*	
22 07 19 00-0258	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	82.32	12.75
		For Work In Restricted Working Space, Add	*11.60*	
22 07 19 00-0259	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	93.95	14.70
		For Work In Restricted Working Space, Add	*13.37*	
22 07 19 00-0260	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	116.98	18.28
		For Work In Restricted Working Space, Add	*16.61*	
22 07 19 00-0261	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	122.14	19.94
		For Work In Restricted Working Space, Add	*18.14*	
22 07 19 00-0262	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	144.37	25.50
		For Work In Restricted Working Space, Add	*23.18*	
22 07 19 00-0263	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	156.82	26.77
		For Work In Restricted Working Space, Add	*24.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0264	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	180.26	30.60
		For Work In Restricted Working Space, Add	*27.82*	
22 07 19 00-0265	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	225.53	36.98
		For Work In Restricted Working Space, Add	*33.61*	
22 07 19 00-0266		**3" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0267	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	45.64	8.83
		For Work In Restricted Working Space, Add	*8.03*	
22 07 19 00-0268	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.55	8.83
		For Work In Restricted Working Space, Add	*8.03*	
22 07 19 00-0269	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	47.91	8.98
		For Work In Restricted Working Space, Add	*8.16*	
22 07 19 00-0270	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	49.00	9.03
		For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0271	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	50.14	9.11
		For Work In Restricted Working Space, Add	*8.28*	
22 07 19 00-0272	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	53.84	9.48
		For Work In Restricted Working Space, Add	*8.62*	
22 07 19 00-0273	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	57.38	9.81
		For Work In Restricted Working Space, Add	*8.92*	
22 07 19 00-0274	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	65.02	10.15
		For Work In Restricted Working Space, Add	*9.23*	
22 07 19 00-0275	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	74.05	10.70
		For Work In Restricted Working Space, Add	*9.73*	
22 07 19 00-0276	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	81.17	12.17
		For Work In Restricted Working Space, Add	*11.06*	
22 07 19 00-0277	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	91.65	13.57
		For Work In Restricted Working Space, Add	*12.34*	
22 07 19 00-0278	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	109.25	15.65
		For Work In Restricted Working Space, Add	*14.22*	
22 07 19 00-0279	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	127.09	19.44
		For Work In Restricted Working Space, Add	*17.67*	
22 07 19 00-0280	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	136.14	21.22
		For Work In Restricted Working Space, Add	*19.29*	
22 07 19 00-0281	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	162.82	27.13
		For Work In Restricted Working Space, Add	*24.66*	
22 07 19 00-0282	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	174.21	28.49
		For Work In Restricted Working Space, Add	*25.89*	
22 07 19 00-0283	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	204.04	32.55
		For Work In Restricted Working Space, Add	*29.60*	
22 07 19 00-0284	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	249.36	39.33
		For Work In Restricted Working Space, Add	*35.75*	
22 07 19 00-0285		**3-1/2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0286	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.98	10.70
		For Work In Restricted Working Space, Add	*9.73*	
22 07 19 00-0287	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.12	10.70
		For Work In Restricted Working Space, Add	*9.73*	
22 07 19 00-0288	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	57.47	10.77
		For Work In Restricted Working Space, Add	*9.79*	
22 07 19 00-0289	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	58.82	10.83
		For Work In Restricted Working Space, Add	*9.86*	
22 07 19 00-0290	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	60.39	10.98
		For Work In Restricted Working Space, Add	*9.98*	
22 07 19 00-0291	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	66.34	11.36
		For Work In Restricted Working Space, Add	*10.32*	
22 07 19 00-0292	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	72.35	11.75
		For Work In Restricted Working Space, Add	*10.68*	
22 07 19 00-0293	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.39	12.17
		For Work In Restricted Working Space, Add	*11.06*	
22 07 19 00-0294	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	81.79	12.86
		For Work In Restricted Working Space, Add	*11.69*	
22 07 19 00-0295	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	94.11	14.61
		For Work In Restricted Working Space, Add	*13.27*	
22 07 19 00-0296	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	106.98	16.26
		For Work In Restricted Working Space, Add	*14.78*	
22 07 19 00-0297	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	127.87	18.77
		For Work In Restricted Working Space, Add	*17.06*	
22 07 19 00-0298	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	151.23	23.33
		For Work In Restricted Working Space, Add	*21.21*	
22 07 19 00-0299	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	157.91	25.47
		For Work In Restricted Working Space, Add	*23.15*	
22 07 19 00-0300	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	189.57	32.55
		For Work In Restricted Working Space, Add	*29.60*	
22 07 19 00-0301	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	208.15	34.19
		For Work In Restricted Working Space, Add	*31.07*	
22 07 19 00-0302	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	237.00	39.09
		For Work In Restricted Working Space, Add	*35.54*	
22 07 19 00-0303	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	290.92	47.20
		For Work In Restricted Working Space, Add	*42.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0304		**4" Thick Foamglas Pipe Insulation** *(22 07 19 00-0197)*		
22 07 19 00-0305	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	66.97	13.15
		For Work In Restricted Working Space, Add	*11.96*	
22 07 19 00-0306	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	68.44	13.15
		For Work In Restricted Working Space, Add	*11.96*	
22 07 19 00-0307	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	70.60	13.38
		For Work In Restricted Working Space, Add	*12.16*	
22 07 19 00-0308	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	72.54	13.54
		For Work In Restricted Working Space, Add	*12.30*	
22 07 19 00-0309	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	75.31	13.96
		For Work In Restricted Working Space, Add	*12.69*	
22 07 19 00-0310	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	81.27	14.38
		For Work In Restricted Working Space, Add	*13.08*	
22 07 19 00-0311	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	86.58	14.62
		For Work In Restricted Working Space, Add	*13.28*	
22 07 19 00-0312	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	90.87	15.15
		For Work In Restricted Working Space, Add	*13.77*	
22 07 19 00-0313	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	99.34	16.90
		For Work In Restricted Working Space, Add	*15.36*	
22 07 19 00-0314	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	114.77	18.14
		For Work In Restricted Working Space, Add	*16.49*	
22 07 19 00-0315	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	129.49	19.67
		For Work In Restricted Working Space, Add	*17.88*	
22 07 19 00-0316	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	148.40	23.37
		For Work In Restricted Working Space, Add	*21.25*	
22 07 19 00-0317	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	173.56	29.03
		For Work In Restricted Working Space, Add	*26.39*	
22 07 19 00-0318	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	188.73	31.70
		For Work In Restricted Working Space, Add	*28.83*	
22 07 19 00-0319	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	224.35	40.54
		For Work In Restricted Working Space, Add	*36.86*	
22 07 19 00-0320	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	249.33	42.49
		For Work In Restricted Working Space, Add	*38.63*	
22 07 19 00-0321	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	279.59	48.62
		For Work In Restricted Working Space, Add	*44.21*	
22 07 19 00-0322	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	354.30	58.75
		For Work In Restricted Working Space, Add	*53.40*	

22 07 19 00-0323 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0324		**1/2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0323)*		
22 07 19 00-0325	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.01	3.15
22 07 19 00-0326	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.26	3.29
22 07 19 00-0327	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.97	3.56
22 07 19 00-0328	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.71	3.70
22 07 19 00-0329	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.16	3.70
22 07 19 00-0330	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.98	3.83
22 07 19 00-0331	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.14	3.97
22 07 19 00-0332	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	18.25	4.25
22 07 19 00-0333	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	21.53	5.07
22 07 19 00-0334	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	25.71	5.75
22 07 19 00-0335	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	30.40	6.72
22 07 19 00-0336	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	34.25	7.26
22 07 19 00-0337	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	40.75	8.91
22 07 19 00-0338		**1" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0323)*		
22 07 19 00-0339	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.02	3.29
22 07 19 00-0340	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.73	3.56
22 07 19 00-0341	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.60	3.70
22 07 19 00-0342	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	17.51	3.83
22 07 19 00-0343	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.28	3.97
22 07 19 00-0344	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	19.34	3.97
22 07 19 00-0345	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	20.78	4.25
22 07 19 00-0346	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	22.36	4.52
22 07 19 00-0347	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	26.46	5.35
22 07 19 00-0348	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	33.41	6.72
22 07 19 00-0349	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	40.18	7.95
22 07 19 00-0350	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	45.93	8.91
22 07 19 00-0351	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	51.91	10.00
22 07 19 00-0352		**1-1/2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0323)*		
22 07 19 00-0353	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.72	3.70
22 07 19 00-0354	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.73	3.83
22 07 19 00-0355	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.89	3.97
22 07 19 00-0356	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	20.76	4.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0357	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	22.03	4.25
22 07 19 00-0358	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	23.86	4.52
22 07 19 00-0359	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	25.66	4.66
22 07 19 00-0360	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	30.43	5.75
22 07 19 00-0361	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	38.91	7.26
22 07 19 00-0362	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	47.37	8.91
22 07 19 00-0363	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	54.47	10.00
22 07 19 00-0364	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	60.03	10.68

22 07 19 00-0365 2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0323)*

22 07 19 00-0366	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.59	3.83
22 07 19 00-0367	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.01	3.97
22 07 19 00-0368	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.28	4.25
22 07 19 00-0369	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	26.33	4.25
22 07 19 00-0370	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	27.34	4.52
22 07 19 00-0371	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	29.66	4.79
22 07 19 00-0372	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	31.17	5.07
22 07 19 00-0373	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	37.18	6.16
22 07 19 00-0374	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	45.39	7.95
22 07 19 00-0375	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	59.28	10.00
22 07 19 00-0376	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	63.24	11.51
22 07 19 00-0377	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	68.85	12.33

22 07 19 00-0378 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0379 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0378)*

22 07 19 00-0380	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.77	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0381	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.78	4.10
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0382	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.14	4.25
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-0383	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.53	4.39
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0384	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.88	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0385	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.29	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0386	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.46	4.54
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0387	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.93	4.54
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.85	4.67
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0389	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.26	4.75
		For Work In Restricted Working Space, Add	*2.87*	

22 07 19 00-0390 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0378)*

22 07 19 00-0391	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.75	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0392	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.86	4.47
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0393	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.03	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0394	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.23	4.56
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0395	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.75	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0396	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.19	4.75
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0397	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.68	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0398	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.30	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0399	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.37	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0400	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.48	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0401	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.53	5.17
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0402	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.16	5.25
		For Work In Restricted Working Space, Add	*3.15*	

22 07 19 00-0403 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0378)*

22 07 19 00-0404	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.86	4.82
		For Work In Restricted Working Space, Add	*2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0405	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.00	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0406	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.72	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0407	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.05	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0408	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.94	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0409	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.86	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0410	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.28	5.36
		For Work In Restricted Working Space, Add	*3.21*	
22 07 19 00-0411	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.96	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0412	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.31	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0413	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.44	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0414	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.11	5.69
		For Work In Restricted Working Space, Add	*3.41*	
22 07 19 00-0415	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.81	5.75
		For Work In Restricted Working Space, Add	*3.45*	

22 07 19 00-0416 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0378)*

22 07 19 00-0417	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.38	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.70	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.74	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0420	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.05	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0421	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.60	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0422	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.36	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0423	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.67	5.97
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0424	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.17	6.04
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0425	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.24	6.19
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0426	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.17	6.26
		For Work In Restricted Working Space, Add	*3.76*	

22 07 19 00-0427 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0428 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0429	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.86	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0430	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.97	4.10
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0431	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.31	4.25
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-0432	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.51	4.32
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0433	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.73	4.39
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0434	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.99	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0435	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.23	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0436	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.44	4.54
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0437	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.63	4.54
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0438	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.83	4.60
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0439	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0440	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.37	4.67
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0441	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.55	4.75
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0442	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.80	4.75
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0443	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.32	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0444	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.95	4.89
		For Work In Restricted Working Space, Add	*2.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0445	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.63	4.92
		For Work In Restricted Working Space, Add	*2.96*	

22 07 19 00-0446 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0447	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.90	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0448	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.03	4.47
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0449	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.17	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0450	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.34	4.54
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0451	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.48	4.54
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0452	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.86	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0453	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.20	4.75
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0454	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.50	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0455	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.80	4.86
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0456	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.04	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0457	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.93	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0458	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0459	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.87	5.08
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0460	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.21	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0461	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.46	5.15
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0462	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.68	5.17
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0463	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.69	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0464	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.93	5.29
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0465	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.89	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0466	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.08	5.47
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0467	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.41	5.62
		For Work In Restricted Working Space, Add	*3.37*	

22 07 19 00-0468 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0469	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.22	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0470	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.50	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0471	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.94	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0472	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.17	5.08
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0473	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.29	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0474	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.90	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0475	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.35	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0476	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.80	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0477	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.92	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0478	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.10	5.44
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0479	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.61	5.47
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0480	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.93	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0481	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.52	5.58
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0482	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.91	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0483	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.52	5.66
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0484	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.77	5.69
		For Work In Restricted Working Space, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0485	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.71	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0486	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.44	5.79
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0487	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.64	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0488	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.95	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0489	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.56	6.04
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0490		1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*		
22 07 19 00-0491	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.95	5.32
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0492	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.29	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0493	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.76	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0494	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.10	5.58
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0495	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.39	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0496	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.95	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0497	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.78	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0498	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.21	5.90
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0499	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.74	5.97
		For Work In Restricted Working Space, Add	*3.60*	
22 07 19 00-0500	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.95	6.04
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0501	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.10	6.12
		For Work In Restricted Working Space, Add	*3.67*	
22 07 19 00-0502	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.99	6.19
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0503	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.10	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0504	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.43	6.26
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0505	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.03	6.30
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0506	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.33	6.32
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0507	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.48	6.48
		For Work In Restricted Working Space, Add	*3.88*	
22 07 19 00-0508	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.93	6.55
		For Work In Restricted Working Space, Add	*3.93*	
22 07 19 00-0509	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.04	6.62
		For Work In Restricted Working Space, Add	*3.97*	
22 07 19 00-0510	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.33	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 07 19 00-0511		1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*		
22 07 19 00-0512	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.49	5.96
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0513	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.96	6.08
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0514	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.30	6.12
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0515	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.64	6.18
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0516	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.17	6.31
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0517	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.04	6.55
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0518	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.10	6.46
		For Work In Restricted Working Space, Add	*3.96*	
22 07 19 00-0519	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.04	6.61
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0520	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.64	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 07 19 00-0521	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.40	6.85
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0522	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.06	6.93
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0523	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.84	6.96
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0524	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.62	6.97
		For Work In Restricted Working Space, Add	*4.19*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0525		LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.53	7.01
			For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-0526		LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.11	7.04
			For Work In Restricted Working Space, Add	*4.23*	
22 07 19 00-0527		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.28	7.30
			For Work In Restricted Working Space, Add	*4.37*	
22 07 19 00-0528		LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.97	7.41
			For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0529		LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.97	7.53
			For Work In Restricted Working Space, Add	*4.51*	
22 07 19 00-0530		LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.01	7.76
			For Work In Restricted Working Space, Add	*4.65*	

22 07 19 00-0531 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0532		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.53	6.58
			For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0533		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.48	6.67
			For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0534		LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.95	6.73
			For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0535		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.46	6.78
			For Work In Restricted Working Space, Add	*4.06*	
22 07 19 00-0536		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.79	6.92
			For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0537		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.53	7.24
			For Work In Restricted Working Space, Add	*4.35*	
22 07 19 00-0538		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.45	7.07
			For Work In Restricted Working Space, Add	*4.37*	
22 07 19 00-0539		LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.12	7.31
			For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0540		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.75	7.57
			For Work In Restricted Working Space, Add	*4.54*	
22 07 19 00-0541		LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.81	7.66
			For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0542		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.96	7.76
			For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0543		LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.24	7.77
			For Work In Restricted Working Space, Add	*4.65*	
22 07 19 00-0544		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.26	7.78
			For Work In Restricted Working Space, Add	*4.68*	
22 07 19 00-0545		LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.64	7.81
			For Work In Restricted Working Space, Add	*4.70*	
22 07 19 00-0546		LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.11	7.85
			For Work In Restricted Working Space, Add	*4.71*	
22 07 19 00-0547		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.17	8.22
			For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0548		LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	52.11	8.38
			For Work In Restricted Working Space, Add	*5.03*	
22 07 19 00-0549		LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.05	8.54
			For Work In Restricted Working Space, Add	*5.13*	
22 07 19 00-0550		LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	59.12	8.89
			For Work In Restricted Working Space, Add	*5.33*	

22 07 19 00-0551 3/8" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0552		EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	9.54	4.11
			For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-0553		EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	9.95	4.11
			For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0554		EA	1" (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	10.25	4.11
			For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0555		EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	10.58	4.11
			For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0556		EA	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	10.97	45.21
			For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0557		EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	11.39	4.11
			For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0558		EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	12.38	4.11
			For Work In Restricted Working Space, Add	*2.71*	

22 07 19 00-0559 1/2" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex) *(22 07 19 00-0427)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0560	EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	10.57	4.11
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0561	EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	10.84	4.11
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0562	EA	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	11.40	4.11
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0563	EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	12.24	4.11
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0564	EA	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	12.18	5.48
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0565	EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	13.14	5.48
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0566	EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	14.22	5.48
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0567		**3/4" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex)** *(22 07 19 00-0427)*		
22 07 19 00-0568	EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	12.40	5.48
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0569	EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	12.99	5.48
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0570	EA	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	13.89	5.48
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0571	EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	14.51	5.48
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0572	EA	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	15.83	5.48
		For Work In Restricted Working Space, Add	*3.21*	
22 07 19 00-0573	EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	17.03	5.48
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0574	EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	18.96	5.48
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0575		**1" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex)** *(22 07 19 00-0427)*		
22 07 19 00-0576	EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	15.24	5.48
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0577	EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	16.34	5.48
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0578	EA	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	17.73	5.48
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0579	EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	18.99	5.48
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0580	EA	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	19.89	5.48
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0581	EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	21.64	5.48
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0582	EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	25.92	6.85
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0583		**1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex)** *(22 07 19 00-0427)*		
22 07 19 00-0584	EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	24.49	6.85
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0585	EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	25.98	6.85
		For Work In Restricted Working Space, Add	*4.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0586	EA	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	26.96	6.85
		For Work In Restricted Working Space, Add	*4.35*	
22 07 19 00-0587	EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	28.10	6.85
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0588	EA	1-1/2" (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	28.93	8.22
		For Work In Restricted Working Space, Add	*4.65*	
22 07 19 00-0589	EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	30.15	8.22
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0590	EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	36.66	8.22
		For Work In Restricted Working Space, Add	*5.00*	

22 07 19 00-0591 2" Wall Flexible Elastomeric Tubing Foam Insulation With Reinforced Lap Seal (AP Armaflex) *(22 07 19 00-0427)*

22 07 19 00-0592	EA	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	35.82	6.85
		For Work In Restricted Working Space, Add	*4.30*	
22 07 19 00-0593	EA	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	39.55	6.85
		For Work In Restricted Working Space, Add	*4.48*	
22 07 19 00-0594	EA	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	41.87	8.22
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0595	EA	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	44.13	8.22
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0596	EA	1-1/2" (1-5/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	46.02	8.22
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0597	EA	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	51.15	8.22
		For Work In Restricted Working Space, Add	*5.17*	
22 07 19 00-0598	EA	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Elastomeric Tubing Flexible Closed Cell Foam Insulation With Reinforced Lap Seal	56.96	9.59
		For Work In Restricted Working Space, Add	*5.36*	

22 07 19 00-0599 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0600 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0599)*

22 07 19 00-0601	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.88	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0602	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.98	4.10
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0603	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.31	4.25
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-0604	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.73	4.39
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0605	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.98	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0606	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.44	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0607	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.78	4.54
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0608	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.03	4.67
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0609	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	4.67
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0610	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.14	4.75
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0611	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.70	4.89
		For Work In Restricted Working Space, Add	*2.93*	

22 07 19 00-0612 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0599)*

22 07 19 00-0613	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.95	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0614	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.05	4.47
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0615	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.25	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0616	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.54	4.54
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0617	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.88	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0618	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.37	4.75
		For Work In Restricted Working Space, Add	*2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0619	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.92	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0620	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.45	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0621	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.65	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0622	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.71	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0623	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.73	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0624		**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0599)*		
22 07 19 00-0625	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.19	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0626	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.57	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0627	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.04	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0628	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.77	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0629	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.45	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0630	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.61	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0631	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.38	5.33
		For Work In Restricted Working Space, Add	*3.21*	
22 07 19 00-0632	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.25	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0633	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.95	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0634	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.47	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0635	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.40	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0636		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0599)*		
22 07 19 00-0637	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.34	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0638	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.55	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0639	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.03	5.54
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0640	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.07	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0641	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.94	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0642	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.83	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0643	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.69	5.90
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0644	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.63	6.04
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0645	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.23	6.19
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0646	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	24.08	6.26
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0647		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)* Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0648		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0647)*		
22 07 19 00-0649	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.97	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0650	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.54	4.25
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-0651	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.07	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0652	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.51	4.47
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0653	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.00	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0654	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.75	4.56
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0655	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.69	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0656	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.95	4.71
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0657	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	17.58	4.78
		For Work In Restricted Working Space, Add	*2.87*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0658		1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0647)*		
22 07 19 00-0659	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.49	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0660	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.04	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0661	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.45	4.54
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0662	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.07	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0663	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.57	4.75
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0664	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.33	4.82
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0665	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.77	4.89
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0666	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.16	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0667	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	19.72	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0668	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	22.89	5.17
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0669	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	24.37	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0670		3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0647)*		
22 07 19 00-0671	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.71	4.79
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0672	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.58	5.04
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0673	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.61	5.11
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0674	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.10	5.27
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0675	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.16	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0676	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	20.78	5.40
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0677	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	23.02	5.44
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0678	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	26.43	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0679	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.77	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0680	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	32.64	5.69
		For Work In Restricted Working Space, Add	*3.41*	
22 07 19 00-0681	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	34.42	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0682		1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0647)*		
22 07 19 00-0683	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.22	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0684	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.16	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0685	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	21.18	5.62
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0686	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	23.60	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0687	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	25.81	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0688	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	27.47	5.97
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0689	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	30.77	6.04
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0690	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	38.75	6.19
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0691	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	44.50	6.26
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0692	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	47.60	6.32
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0693	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	53.98	6.48
		For Work In Restricted Working Space, Add	*3.88*	
22 07 19 00-0694		Insulation Foam Rubber *(22 07 19)*		
22 07 19 00-0695		Covering 4x6 Sheet *(22 07 19 00-0694)*		
22 07 19 00-0696	SF	1" Thick Foam Rubber Sheet Insulation	27.57	9.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0697		**Insulation Protective Jacketing** *(22 07 19)* Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.		
22 07 19 00-0698		**Aluminum Insulation Protective Jacketing With Bands** *(22 07 19 00-0697)*		
22 07 19 00-0699		**Aluminum Roll, Insulation Protective Jacketing With Bands** *(22 07 19 00-0698)*		
22 07 19 00-0700	SF	0.006" Aluminum Insulation Jacket With Bands	20.64	8.77
22 07 19 00-0701	SF	0.010" Aluminum Insulation Jacket With Bands	21.01	8.77
22 07 19 00-0702	SF	0.016" Aluminum Insulation Jacket With Bands	21.35	8.77
22 07 19 00-0703	SF	0.020" Aluminum Insulation Jacket With Bands	21.67	8.77
22 07 19 00-0704	SF	0.024" Aluminum Insulation Jacket With Bands	21.96	8.77
22 07 19 00-0705		**16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** *(22 07 19 00-0698)*		
22 07 19 00-0706	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.77	2.49
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0707	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.24	2.55
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0708	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.72	2.61
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0709	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.21	2.67
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0710	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.60	2.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0711	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.01	2.75
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0712	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.47	2.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0713	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.95	2.86
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0714	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.45	2.94
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0715	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.88	2.98
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0716	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.42	3.05
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0717	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.94	3.12
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0718	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.45	3.19
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0719	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.92	3.24
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0720	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.48	3.32
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0721	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.05	3.40
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0722	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.65	3.49
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0723	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.16	3.56
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0724	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.79	3.65
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0725	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.42	3.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0726	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.97	3.83
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0727	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.68	3.94
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0728	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.39	4.06
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0729	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.87	4.12
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0730	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.36	4.19
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0731	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.20	4.28
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0732	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.84	4.39
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0733	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.37	4.46
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0734	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.15	4.53
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0735	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.92	4.61
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0736	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.86	4.72
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0737	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.71	4.81
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0738	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.52	4.89
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0739	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.35	4.98
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0740	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	31.39	5.12
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0741	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.29	5.22
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0742	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.16	5.32
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0743	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.28	5.48
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0744	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.97	5.54
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0745	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	36.17	5.59
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0746	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.60	5.71
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0747	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	38.81	5.77
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0748	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.26	5.89
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0749	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.18	5.95
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0750	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	42.98	6.09
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0751	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.24	6.15
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0752	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.76	6.29
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0753	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	47.00	6.38
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0754	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	48.59	6.53
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0755	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	49.85	6.61
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.59*	

22 07 19 00-0756 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0698)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0757	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.99	2.74
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0758	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.54	2.80
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0759	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.10	2.87
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0760	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.68	2.95
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0761	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.16	2.99
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0762	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.65	3.03
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0763	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.20	3.09
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0764	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.76	3.16
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0765	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.36	3.23
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0766	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.87	3.28
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0767	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.51	3.35
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0768	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.11	3.43
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0769	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.74	3.50
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0770	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.28	3.57
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0771	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.94	3.65
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0772	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.60	3.74
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0773	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.32	3.84
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0774	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.92	3.91
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0775	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.64	4.01
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0776	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.38	4.13
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0777	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.04	4.22
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0778	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.86	4.34
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0779	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.67	4.47
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0780	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.24	4.53
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0781	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.82	4.60
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0782	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.81	4.71
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0783	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.57	4.82
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0784	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	29.18	4.90
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0785	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.13	4.98
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0786	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.06	5.06
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0787	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	32.18	5.20
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0788	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	33.18	5.29
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0789	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.17	5.39
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0790	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.16	5.48
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0791	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	36.39	5.63
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0792	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.46	5.74
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0793	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	38.50	5.85
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0794	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	39.80	6.03
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0795	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	40.66	6.09
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0796	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	42.14	6.15
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0797	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	43.87	6.27
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0798	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	45.37	6.35
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0799	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	47.12	6.49
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0800	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	48.24	6.56
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0801	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	50.44	6.70
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.59*	
22 07 19 00-0802	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	52.00	6.77
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0803	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	53.83	6.93
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0804	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	55.35	7.01
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0805	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	57.27	7.17
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0806	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	58.82	7.26
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.74*	

22 07 19 00-0807 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0698)*

22 07 19 00-0808	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.17	2.99
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0809	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.82	3.06
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0810	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.47	3.13
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0811	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.13	3.21
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0812	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.68	3.26
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0813	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.24	3.31
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0814	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.88	3.37
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0815	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.52	3.44
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0816	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.21	3.52
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0817	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.81	3.57
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0818	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.54	3.65
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0819	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.23	3.73
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0820	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.93	3.82
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0821	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.58	3.89
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0822	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.31	3.98
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0823	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.07	4.09
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0824	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.89	4.19
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0825	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.58	4.27
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0826	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.39	4.39
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0827	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.24	4.51
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0828	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.98	4.60
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0829	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.91	4.73
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0830	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.84	4.87
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0831	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.49	4.94
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0832	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.15	5.02
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0833	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.30	5.13
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0834	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.15	5.27
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0835	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.86	5.35
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0836	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	33.95	5.44
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0837	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.01	5.53
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0838	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.32	5.67
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0839	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.47	5.77
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0840	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	38.61	5.87
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0841	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.77	5.98
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0842	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.15	6.14
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0843	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.39	6.26
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0844	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	43.60	6.39
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0845	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.09	6.58
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0846	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.08	6.65
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0847	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	47.84	6.71
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0848	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	49.84	6.85
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0849	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.62	6.92
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0850	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	53.67	7.07
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0851	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.96	7.15
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.66*	
22 07 19 00-0852	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	57.53	7.30
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0853	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	59.36	7.39
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0854	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	61.47	7.56
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0855	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	63.28	7.65
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0856	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	65.49	7.83
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0857	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	67.31	7.92
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.89*	

22 07 19 00-0858 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0698)*

22 07 19 00-0859	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	14.89	3.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0860	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.68	3.39
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0861	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.49	3.47
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0862	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.31	3.55
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0863	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.02	3.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0864	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.71	3.66
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0865	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.49	3.74
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0866	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.29	3.81
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0867	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.18	3.89
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0868	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.91	3.96
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0869	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.81	4.05
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0870	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.65	4.15
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0871	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.52	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0872	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.31	4.32
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0873	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.21	4.42
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0874	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.14	4.53
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0875	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.14	4.64
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0876	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.99	4.73
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0877	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.98	4.86
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0878	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.00	4.99
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0879	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.90	5.09
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0880	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	33.03	5.25
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0881	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.14	5.40
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0882	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.95	5.48
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0883	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.76	5.57
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0884	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.20	5.69
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0885	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	38.23	5.83
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0886	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	39.10	5.92
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0887	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	40.47	6.03
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0888	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	41.83	6.12
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0889	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	43.44	6.28
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0890	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.90	6.40
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0891	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.34	6.51
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0892	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	47.77	6.63
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0893	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.49	6.81
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0894	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	51.04	6.94
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0895	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.55	7.08
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0896	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.36	7.29
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0897	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.63	7.36
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0898	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.93	7.43
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0899	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	60.49	7.60
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0900	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	62.81	7.68
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.80*	
22 07 19 00-0901	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	65.41	7.84
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0902	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	67.07	7.92
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0903	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	70.39	8.10
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.95*	
22 07 19 00-0904	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	72.74	8.19
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0905	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	75.44	8.38
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0906	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	77.77	8.47
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0907	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	80.58	8.68
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.15*	
22 07 19 00-0908	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	82.93	8.79
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	

22 07 19 00-0909 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0698)*

22 07 19 00-0910	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	17.29	3.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0911	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	18.26	3.90
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0912	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.24	3.99
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0913	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.24	4.09
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0914	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.09	4.15
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0915	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.96	4.22
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0916	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.90	4.30
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0917	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.87	4.39
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0918	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.94	4.48
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0919	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.83	4.56
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0920	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.92	4.66
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0921	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.96	4.76
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0922	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	29.01	4.87
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0923	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	29.95	4.96
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0924	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.05	5.08
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0925	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	32.16	5.21
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0926	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.39	5.34
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0927	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.40	5.45
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0928	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	35.59	5.59
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0929	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.81	5.74
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0930	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.90	5.86
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0931	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.26	6.03
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0932	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	40.59	6.21
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0933	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	41.57	6.30
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0934	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.56	6.41
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0935	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	44.30	6.55
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0936	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.54	6.71
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0937	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	46.59	6.82
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0938	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.27	6.93
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0939	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	49.93	7.04
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0940	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.88	7.23
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0941	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.68	7.35
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0942	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	55.43	7.48
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0943	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	57.17	7.63
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0944	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	59.25	7.84
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0945	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	61.14	7.99
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0946	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	62.98	8.14
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0947	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	65.17	8.38
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0948	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	66.72	8.47
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0949	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	69.59	8.55
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0950	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	72.72	8.74
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.94*	
22 07 19 00-0951	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	75.61	8.83
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.01*	
22 07 19 00-0952	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	78.80	9.02
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0953	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	80.87	9.11
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.11*	
22 07 19 00-0954	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	84.94	9.32
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.19*	
22 07 19 00-0955	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	87.88	9.42
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.25*	
22 07 19 00-0956	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	91.17	9.63
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0957	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	94.06	9.75
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0958	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	97.50	9.99
		For Stucco Embossed, Add	*0.58*	
		For Corrugated, Add	*1.44*	
22 07 19 00-0959	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	100.41	10.10
		For Stucco Embossed, Add	*0.60*	
		For Corrugated, Add	*1.50*	

22 07 19 00-0960 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0698)*

22 07 19 00-0961	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.72	3.91
22 07 19 00-0962	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.30	4.06
22 07 19 00-0963	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.05	4.22
22 07 19 00-0964	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.31	4.28
22 07 19 00-0965	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.58	4.35
22 07 19 00-0966	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.00	4.46
22 07 19 00-0967	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.73	4.57
22 07 19 00-0968	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.19	4.68
22 07 19 00-0969	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.53	4.76
22 07 19 00-0970	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.36	4.85
22 07 19 00-0971	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.80	4.98
22 07 19 00-0972	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.78	5.07
22 07 19 00-0973	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.16	5.16
22 07 19 00-0974	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.56	5.27
22 07 19 00-0975	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.70	5.38
22 07 19 00-0976	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.84	5.48
22 07 19 00-0977	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.38	5.65
22 07 19 00-0978	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.85	5.77
22 07 19 00-0979	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	53.51	5.95
22 07 19 00-0980	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.04	6.09
22 07 19 00-0981	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	60.94	6.29
22 07 19 00-0982	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	69.16	6.45
22 07 19 00-0983	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	69.47	6.53
22 07 19 00-0984	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.19	6.61
22 07 19 00-0985	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	74.29	6.69
22 07 19 00-0986	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	115.27	6.85
22 07 19 00-0987	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	115.97	7.02
22 07 19 00-0988	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.11	7.12
22 07 19 00-0989	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.48	7.21
22 07 19 00-0990	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.25	7.30
22 07 19 00-0991	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.66	7.40
22 07 19 00-0992	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	105.50	7.62
22 07 19 00-0993	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	105.94	7.72
22 07 19 00-0994	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	165.38	7.94
22 07 19 00-0995	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	165.85	8.06
22 07 19 00-0996	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	212.39	8.30
22 07 19 00-0997	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	221.57	8.56
22 07 19 00-0998	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	239.13	8.70
22 07 19 00-0999	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.94	4.35
22 07 19 00-1000	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.36	4.46
22 07 19 00-1001	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.44	4.57
22 07 19 00-1002	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.90	4.68
22 07 19 00-1003	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	35.23	4.76
22 07 19 00-1004	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.56	4.85
22 07 19 00-1005	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.35	4.98
22 07 19 00-1006	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.04	5.07
22 07 19 00-1007	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.42	5.16
22 07 19 00-1008	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.82	5.27
22 07 19 00-1009	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.50	5.38
22 07 19 00-1010	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.93	5.48
22 07 19 00-1011	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.68	5.65
22 07 19 00-1012	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.91	5.95
22 07 19 00-1013	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.07	6.29
22 07 19 00-1014	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.66	6.45
22 07 19 00-1015	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.58	6.61
22 07 19 00-1016	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.90	6.69
22 07 19 00-1017	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	67.41	6.85
22 07 19 00-1018	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	68.11	7.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1019	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.02	7.12
22 07 19 00-1020	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.39	7.21
22 07 19 00-1021	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.17	7.30
22 07 19 00-1022	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.58	7.40
22 07 19 00-1023	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	92.85	7.62
22 07 19 00-1024	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	93.29	7.72
22 07 19 00-1025	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	105.49	8.06
22 07 19 00-1026	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	123.10	8.30
22 07 19 00-1027	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.73	8.56
22 07 19 00-1028	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	184.92	8.70
22 07 19 00-1029	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	181.95	8.84
22 07 19 00-1030	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	203.14	8.99
22 07 19 00-1031	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	240.79	9.13
22 07 19 00-1032	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	234.69	9.29
22 07 19 00-1033	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	251.05	9.45
22 07 19 00-1034	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	111.00	6.22
22 07 19 00-1035	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	111.58	6.38
22 07 19 00-1036	EA	3" ID, Aluminum Tee Insulation Jacketing	123.35	6.53
22 07 19 00-1037	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	123.98	6.69
22 07 19 00-1038	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	129.32	6.85
22 07 19 00-1039	EA	4" ID, Aluminum Tee Insulation Jacketing	131.12	7.02
22 07 19 00-1040	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	137.80	7.21
22 07 19 00-1041	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	137.70	7.40
22 07 19 00-1042	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	138.51	7.62
22 07 19 00-1043	EA	5" ID, Aluminum Tee Insulation Jacketing	143.42	7.83
22 07 19 00-1044	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	144.35	8.06
22 07 19 00-1045	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	150.28	8.30
22 07 19 00-1046	EA	6" ID, Aluminum Tee Insulation Jacketing	151.32	8.56
22 07 19 00-1047	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	165.13	9.13
22 07 19 00-1048	EA	7" ID, Aluminum Tee Insulation Jacketing	166.39	9.45
22 07 19 00-1049	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	182.14	9.78
22 07 19 00-1050	EA	8" ID, Aluminum Tee Insulation Jacketing	183.59	10.15
22 07 19 00-1051	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	188.93	10.54
22 07 19 00-1052	EA	9" ID, Aluminum Tee Insulation Jacketing	190.61	10.97
22 07 19 00-1053	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	153.67	11.19
22 07 19 00-1054	EA	10" ID, Aluminum Tee Insulation Jacketing	154.60	11.42
22 07 19 00-1055	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	162.67	11.66
22 07 19 00-1056	EA	11" ID, Aluminum Tee Insulation Jacketing	163.68	11.91
22 07 19 00-1057	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	171.06	12.18
22 07 19 00-1058	EA	12" ID, Aluminum Tee Insulation Jacketing	172.17	12.46
22 07 19 00-1059	EA	13" ID, Aluminum Tee Insulation Jacketing	179.42	12.74
22 07 19 00-1060	EA	14" ID, Aluminum Tee Insulation Jacketing	186.93	13.04
22 07 19 00-1061	EA	15" ID, Aluminum Tee Insulation Jacketing	199.19	13.37
22 07 19 00-1062	EA	16" ID, Aluminum Tee Insulation Jacketing	204.20	13.70
22 07 19 00-1063	EA	17" ID, Aluminum Tee Insulation Jacketing	227.96	14.05
22 07 19 00-1064	EA	18" ID, Aluminum Tee Insulation Jacketing	236.13	14.43
22 07 19 00-1065	EA	19" ID, Aluminum Tee Insulation Jacketing	256.57	14.81
22 07 19 00-1066	EA	20" ID, Aluminum Tee Insulation Jacketing	262.53	15.22
22 07 19 00-1067	EA	22" ID, Aluminum Tee Insulation Jacketing	319.13	15.66
22 07 19 00-1068	EA	23" ID, Aluminum Tee Insulation Jacketing	328.10	16.12
22 07 19 00-1069	EA	24" ID, Aluminum Tee Insulation Jacketing	341.20	17.67
22 07 19 00-1070		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0697)*		
22 07 19 00-1071		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-1070)*		
22 07 19 00-1072	SF	0.010" Stainless Steel Insulation Jacket With Bands	25.68	10.28
22 07 19 00-1073	SF	0.016" Stainless Steel Insulation Jacket With Bands	31.51	12.33
22 07 19 00-1074		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-1070)*		
22 07 19 00-1075	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.12	2.19
22 07 19 00-1076	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.69	2.24
22 07 19 00-1077	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.25	2.28
22 07 19 00-1078	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.85	2.33
22 07 19 00-1079	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.44	2.38
22 07 19 00-1080	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.03	2.43
22 07 19 00-1081	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.65	2.49
22 07 19 00-1082	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.26	2.55
22 07 19 00-1083	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.88	2.61
22 07 19 00-1084	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.20	2.74
22 07 19 00-1085	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.54	2.88
22 07 19 00-1086	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.95	3.05
22 07 19 00-1087	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.07	3.13
22 07 19 00-1088	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.21	3.23
22 07 19 00-1089	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.46	3.34
22 07 19 00-1090	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.48	3.40
22 07 19 00-1091	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.50	3.47
22 07 19 00-1092	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.55	3.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1093	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.61	3.60
22 07 19 00-1094	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.66	3.68
22 07 19 00-1095	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.75	3.75
22 07 19 00-1096	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.83	3.83
22 07 19 00-1097	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	35.04	4.00
22 07 19 00-1098	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	37.20	4.16
22 07 19 00-1099	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	39.00	4.22
22 07 19 00-1100		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-1070)*		
22 07 19 00-1101	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	17.97	2.92
22 07 19 00-1102	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.77	2.98
22 07 19 00-1103	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.58	3.04
22 07 19 00-1104	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.42	3.10
22 07 19 00-1105	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.24	3.17
22 07 19 00-1106	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.07	3.24
22 07 19 00-1107	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.93	3.31
22 07 19 00-1108	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.80	3.39
22 07 19 00-1109	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.68	3.47
22 07 19 00-1110	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.51	3.64
22 07 19 00-1111	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.39	3.83
22 07 19 00-1112	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.36	4.05
22 07 19 00-1113	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	31.94	4.17
22 07 19 00-1114	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.57	4.29
22 07 19 00-1115	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.30	4.45
22 07 19 00-1116	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	36.76	4.53
22 07 19 00-1117	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.21	4.61
22 07 19 00-1118	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	39.71	4.70
22 07 19 00-1119	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	41.19	4.79
22 07 19 00-1120	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	42.70	4.89
22 07 19 00-1121	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	44.24	4.99
22 07 19 00-1122	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	45.77	5.09
22 07 19 00-1123	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	48.89	5.32
22 07 19 00-1124	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.94	5.52
22 07 19 00-1125	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	54.52	5.61
22 07 19 00-1126		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-1070)*		
22 07 19 00-1127	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.63	4.35
22 07 19 00-1128	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.05	4.46
22 07 19 00-1129	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.37	4.57
22 07 19 00-1130	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.83	4.68
22 07 19 00-1131	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.19	4.76
22 07 19 00-1132	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.72	4.85
22 07 19 00-1133	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	44.45	4.98
22 07 19 00-1134	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.91	5.07
22 07 19 00-1135	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	53.29	5.16
22 07 19 00-1136	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.85	5.38
22 07 19 00-1137	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	72.33	5.65
22 07 19 00-1138	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	78.42	5.95
22 07 19 00-1139	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	100.34	6.29
22 07 19 00-1140	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	100.93	6.45
22 07 19 00-1141	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.15	6.61
22 07 19 00-1142	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.14	6.85
22 07 19 00-1143	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	118.12	6.85
22 07 19 00-1144	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	166.09	7.02
22 07 19 00-1145	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	164.06	7.12
22 07 19 00-1146	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	164.43	7.21
22 07 19 00-1147	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	191.45	7.30
22 07 19 00-1148	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	184.50	7.40
22 07 19 00-1149	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	206.70	7.72
22 07 19 00-1150	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	275.83	8.06
22 07 19 00-1151	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	278.45	8.30
22 07 19 00-1152	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.43	4.35
22 07 19 00-1153	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.85	4.46
22 07 19 00-1154	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.51	4.57
22 07 19 00-1155	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.97	4.68
22 07 19 00-1156	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	36.53	4.76
22 07 19 00-1157	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.86	4.85
22 07 19 00-1158	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.36	4.98
22 07 19 00-1159	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.80	5.07
22 07 19 00-1160	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.18	5.16
22 07 19 00-1161	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.58	5.27
22 07 19 00-1162	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.53	5.38
22 07 19 00-1163	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.64	5.65
22 07 19 00-1164	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.84	5.95
22 07 19 00-1165	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.21	6.29
22 07 19 00-1166	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	90.10	6.45
22 07 19 00-1167	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	92.05	6.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1168	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	92.37	6.69
22 07 19 00-1169	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	104.20	6.85
22 07 19 00-1170	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	104.90	7.02
22 07 19 00-1171	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	118.64	7.12
22 07 19 00-1172	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	119.01	7.21
22 07 19 00-1173	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.59	7.30
22 07 19 00-1174	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	138.00	7.40
22 07 19 00-1175	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	148.57	7.72
22 07 19 00-1176	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	170.72	8.06

22 07 19 00-1177 Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0697)*

22 07 19 00-1178 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1177)*

22 07 19 00-1179	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	2.03
22 07 19 00-1180	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.12	2.11
22 07 19 00-1181	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.77	2.19
22 07 19 00-1182	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.55	2.28
22 07 19 00-1183	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.27	2.38
22 07 19 00-1184	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.08	2.49
22 07 19 00-1185	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.92	2.61
22 07 19 00-1186	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.76	2.74
22 07 19 00-1187	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.70	2.88
22 07 19 00-1188	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.71	3.05
22 07 19 00-1189	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.43	3.13
22 07 19 00-1190	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.11	3.23
22 07 19 00-1191	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.01	3.34
22 07 19 00-1192	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.57	3.40
22 07 19 00-1193	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.19	3.47
22 07 19 00-1194	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.83	3.54
22 07 19 00-1195	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.49	3.60
22 07 19 00-1196	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.09	3.68
22 07 19 00-1197	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.76	3.75
22 07 19 00-1198	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.45	3.83
22 07 19 00-1199	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.14	3.91
22 07 19 00-1200	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.80	4.00
22 07 19 00-1201	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.58	4.09
22 07 19 00-1202	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.14	4.16
22 07 19 00-1203	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.51	4.16
22 07 19 00-1204	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.15	4.22
22 07 19 00-1205	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.14	4.28
22 07 19 00-1206	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.10	4.35
22 07 19 00-1207	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.11	4.42
22 07 19 00-1208	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.14	4.49
22 07 19 00-1209	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	32.13	4.57
22 07 19 00-1210	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.18	4.64
22 07 19 00-1211	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.17	4.72
22 07 19 00-1212	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.25	4.81
22 07 19 00-1213	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.27	4.89
22 07 19 00-1214	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.36	4.98
22 07 19 00-1215	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.48	5.07
22 07 19 00-1216	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.55	5.16
22 07 19 00-1217	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.68	5.27
22 07 19 00-1218	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.78	5.38
22 07 19 00-1219	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.95	5.48
22 07 19 00-1220	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.12	5.59

22 07 19 00-1221 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1177)*

22 07 19 00-1222	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.91	2.11
22 07 19 00-1223	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.77	2.19
22 07 19 00-1224	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.71	2.28
22 07 19 00-1225	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.59	2.38
22 07 19 00-1226	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.55	2.49
22 07 19 00-1227	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.55	2.61
22 07 19 00-1228	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.61	2.74
22 07 19 00-1229	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.71	2.88
22 07 19 00-1230	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.87	3.05
22 07 19 00-1231	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.75	3.13
22 07 19 00-1232	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.64	3.23
22 07 19 00-1233	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.70	3.34
22 07 19 00-1234	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.47	3.40
22 07 19 00-1235	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.25	3.47
22 07 19 00-1236	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.05	3.54
22 07 19 00-1237	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.86	3.60
22 07 19 00-1238	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.67	3.68
22 07 19 00-1239	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.50	3.75
22 07 19 00-1240	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.34	3.83
22 07 19 00-1241	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.20	3.91
22 07 19 00-1242	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.07	4.00
22 07 19 00-1243	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.01	4.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1244	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.78	4.16
22 07 19 00-1245	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.30	4.16
22 07 19 00-1246	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.10	4.22
22 07 19 00-1247	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.41	4.28
22 07 19 00-1248	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.74	4.35
22 07 19 00-1249	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.06	4.42
22 07 19 00-1250	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.47	4.49
22 07 19 00-1251	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.82	4.57
22 07 19 00-1252	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.19	4.64
22 07 19 00-1253	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.55	4.72
22 07 19 00-1254	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.94	4.81
22 07 19 00-1255	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.34	4.89
22 07 19 00-1256	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.74	4.98
22 07 19 00-1257	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	47.23	5.07
22 07 19 00-1258	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	48.66	5.16
22 07 19 00-1259	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	50.12	5.27
22 07 19 00-1260	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	51.58	5.38
22 07 19 00-1261	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	53.06	5.48
22 07 19 00-1262	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	54.56	5.59
22 07 19 00-1263		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1177)*		
22 07 19 00-1264	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.14	4.06
22 07 19 00-1265	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.45	4.22
22 07 19 00-1266	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.13	4.28
22 07 19 00-1267	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.83	4.35
22 07 19 00-1268	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.62	4.46
22 07 19 00-1269	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.33	4.57
22 07 19 00-1270	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.63	4.72
22 07 19 00-1271	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.83	4.85
22 07 19 00-1272	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.04	4.98
22 07 19 00-1273	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.68	5.22
22 07 19 00-1274	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.36	5.48
22 07 19 00-1275	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.14	5.77
22 07 19 00-1276	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.50	6.09
22 07 19 00-1277	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	51.65	6.29
22 07 19 00-1278	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	58.94	6.45
22 07 19 00-1279	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	61.19	6.61
22 07 19 00-1280	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	72.14	6.85
22 07 19 00-1281	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	88.23	7.12
22 07 19 00-1282	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	96.34	7.40
22 07 19 00-1283	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	107.34	7.72
22 07 19 00-1284	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	128.78	8.06
22 07 19 00-1285	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	143.56	8.30
22 07 19 00-1286	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	152.82	8.56
22 07 19 00-1287	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	164.21	8.70
22 07 19 00-1288	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	178.96	8.84
22 07 19 00-1289	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	221.16	8.99
22 07 19 00-1290	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	288.01	9.13
22 07 19 00-1291	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	360.34	9.29
22 07 19 00-1292	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.14	4.06
22 07 19 00-1293	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.45	4.22
22 07 19 00-1294	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.13	4.28
22 07 19 00-1295	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.83	4.35
22 07 19 00-1296	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.62	4.46
22 07 19 00-1297	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.33	4.57
22 07 19 00-1298	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.63	4.72
22 07 19 00-1299	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.83	4.85
22 07 19 00-1300	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.04	4.98
22 07 19 00-1301	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.68	5.22
22 07 19 00-1302	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.36	5.48
22 07 19 00-1303	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.14	5.77
22 07 19 00-1304	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	49.50	6.09
22 07 19 00-1305	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	51.65	6.29
22 07 19 00-1306	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	58.94	6.45
22 07 19 00-1307	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	61.19	6.61
22 07 19 00-1308	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	72.14	6.85
22 07 19 00-1309	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	88.23	7.12
22 07 19 00-1310	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	96.29	7.40
22 07 19 00-1311	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	104.39	7.72
22 07 19 00-1312	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	114.29	8.06
22 07 19 00-1313	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	126.96	8.30
22 07 19 00-1314	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	134.85	8.56
22 07 19 00-1315	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	149.67	8.70
22 07 19 00-1316	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	164.73	8.84
22 07 19 00-1317	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	194.02	8.99
22 07 19 00-1318	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	252.18	9.13
22 07 19 00-1319	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	281.40	9.29
22 07 19 00-1320	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.32	5.71
22 07 19 00-1321	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.54	5.83
22 07 19 00-1322	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.84	6.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1323	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.29	6.22
22 07 19 00-1324	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.91	6.45
22 07 19 00-1325	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.53	6.69
22 07 19 00-1326	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.87	6.94
22 07 19 00-1327	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.33	7.21
22 07 19 00-1328	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.63	7.51
22 07 19 00-1329	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	48.23	7.83
22 07 19 00-1330	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	53.05	8.18
22 07 19 00-1331	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	61.82	8.70
22 07 19 00-1332	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	72.06	9.13
22 07 19 00-1333	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	81.10	9.29
22 07 19 00-1334	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	109.49	9.61
22 07 19 00-1335	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	118.48	10.15
22 07 19 00-1336	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	136.91	10.54
22 07 19 00-1337	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	155.56	10.97
22 07 19 00-1338	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	158.71	11.42
22 07 19 00-1339	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	172.22	11.66
22 07 19 00-1340	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	185.77	11.91
22 07 19 00-1341	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	199.48	12.18
22 07 19 00-1342	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	213.08	12.46
22 07 19 00-1343	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	226.83	12.74
22 07 19 00-1344	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	240.48	13.04
22 07 19 00-1345	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	260.72	13.37
22 07 19 00-1346	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	280.93	13.70
22 07 19 00-1347	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	305.36	14.05
22 07 19 00-1348	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.58	3.91
22 07 19 00-1349	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.58	3.91
22 07 19 00-1350	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	45.28	4.06
22 07 19 00-1351	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	45.28	4.06
22 07 19 00-1352	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	62.66	4.22
22 07 19 00-1353	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	68.38	4.39
22 07 19 00-1354	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	75.24	4.57
22 07 19 00-1355	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	84.99	4.76
22 07 19 00-1356	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	93.38	4.98
22 07 19 00-1357	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	113.24	5.48
22 07 19 00-1358	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	159.26	6.09
22 07 19 00-1359	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	174.32	6.85
22 07 19 00-1360	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	217.19	7.30
22 07 19 00-1361	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	302.58	8.06
22 07 19 00-1362	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	304.53	8.43
22 07 19 00-1363	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	403.09	8.70
22 07 19 00-1364	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	542.45	8.99
22 07 19 00-1365	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	36.05	3.91
22 07 19 00-1366	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	36.05	3.91
22 07 19 00-1367	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.22	4.06
22 07 19 00-1368	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.22	4.06
22 07 19 00-1369	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	57.66	4.22
22 07 19 00-1370	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	62.80	4.39
22 07 19 00-1371	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	69.12	4.57
22 07 19 00-1372	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	72.72	4.76
22 07 19 00-1373	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	85.26	4.98
22 07 19 00-1374	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	103.18	5.48
22 07 19 00-1375	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	144.46	6.09
22 07 19 00-1376	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	158.09	6.85
22 07 19 00-1377	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	196.53	7.30
22 07 19 00-1378	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	273.01	8.06
22 07 19 00-1379	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	346.90	8.43
22 07 19 00-1380	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	414.21	8.70
22 07 19 00-1381	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	483.75	8.99
22 07 19 00-1382	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	53.45	5.89
22 07 19 00-1383	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	53.45	5.89
22 07 19 00-1384	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	62.09	6.09
22 07 19 00-1385	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	62.09	6.09
22 07 19 00-1386	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	84.69	6.29
22 07 19 00-1387	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	92.29	6.53
22 07 19 00-1388	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.44	6.85
22 07 19 00-1389	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	106.94	7.12
22 07 19 00-1390	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	125.83	7.51
22 07 19 00-1391	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.26	8.18
22 07 19 00-1392	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	192.68	9.13
22 07 19 00-1393	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	209.85	10.15
22 07 19 00-1394	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	288.25	10.97
22 07 19 00-1395	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	398.98	11.91
22 07 19 00-1396	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	475.35	12.74
22 07 19 00-1397	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	561.24	13.04
22 07 19 00-1398	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	614.26	13.37

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF)

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.71	4.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.63*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.85	5.36
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.36*	
		For ASTM 120, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*5.25*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.13	5.87
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.53*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.82	6.11
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.35*	
		For ASTM 120, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*5.96*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	34.26	7.23
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.24*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*6.22*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.29	8.73
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.69*	
		For ASTM 120, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*7.07*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	58.34	10.35
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*19.34*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*8.29*	
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	72.49	13.84
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*24.25*	
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*10.04*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	103.79	15.53
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*37.64*	
		For ASTM 120, Deduct	*-10.13*	
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	182.00	19.84
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*70.95*	
		For ASTM 120, Deduct	*-20.73*	
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	203.45	23.46
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*79.11*	
		For ASTM 120, Deduct	*-23.05*	
		For Work In Restricted Working Space, Add	*14.93*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.62	4.99
		For Schedule 80 Pipe, Add	*2.22*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*2.27*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	12.10	5.36
		For Schedule 80 Pipe, Add	*2.75*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*2.42*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.73	5.87
		For Schedule 80 Pipe, Add	*3.76*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*2.62*	
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	17.37	6.11
		For Schedule 80 Pipe, Add	*4.83*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*2.77*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.56	7.23
		For Schedule 80 Pipe, Add	*5.75*	
		For ASTM 120, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	26.18	8.73
		For Schedule 80 Pipe, Add	*7.58*	
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*3.94*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	36.30	10.35
		For Schedule 80 Pipe, Add	*11.50*	
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	47.90	13.84
		For Schedule 80 Pipe, Add	*15.09*	
		For ASTM 120, Deduct	*-4.07*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	61.94	15.53
		For Schedule 80 Pipe, Add	*20.86*	
		For ASTM 120, Deduct	*-5.79*	
		For Work In Restricted Working Space, Add	*7.00*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	81.48	19.84
		For Schedule 80 Pipe, Add	*27.82*	
		For ASTM 120, Deduct	*-7.77*	
		For Work In Restricted Working Space, Add	*8.91*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	102.29	23.46
		For Schedule 80 Pipe, Add	*35.75*	
		For ASTM 120, Deduct	*-10.07*	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	114.98	28.37
		For Schedule 80 Pipe, Add	*39.06*	
		For ASTM 120, Deduct	*-10.88*	
		For Work In Restricted Working Space, Add	*12.73*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.77	4.99
		For Schedule 80 Pipe, Add	*4.22*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*2.27*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.69	5.36
		For Schedule 80 Pipe, Add	*4.95*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*2.42*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.77	5.87
		For Schedule 80 Pipe, Add	*5.70*	
		For ASTM 120, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*2.62*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.87	6.11
		For Schedule 80 Pipe, Add	*6.99*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*2.77*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	25.26	7.23
		For Schedule 80 Pipe, Add	*8.01*	
		For ASTM 120, Deduct	*-2.16*	
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	29.55	8.73
		For Schedule 80 Pipe, Add	*9.20*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*3.94*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	43.08	10.35
		For Schedule 80 Pipe, Add	*14.75*	
		For ASTM 120, Deduct	*-4.12*	
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	54.40	13.84
		For Schedule 80 Pipe, Add	*18.21*	
		For ASTM 120, Deduct	*-5.04*	
		For Work In Restricted Working Space, Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	71.40	15.53
		For Schedule 80 Pipe, Add	*25.40*	
		For ASTM 120, Deduct	*-7.21*	
		For Work In Restricted Working Space, Add	*7.00*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	92.44	19.84
		For Schedule 80 Pipe, Add	*33.08*	
		For ASTM 120, Deduct	*-9.41*	
		For Work In Restricted Working Space, Add	*8.91*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	115.38	23.46
		For Schedule 80 Pipe, Add	*42.03*	
		For ASTM 120, Deduct	*-12.04*	
		For Work In Restricted Working Space, Add	*10.54*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	37.05	22.20
		For 300 Lb. Rating, Add	*14.92*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	41.88	24.81
		For 300 Lb. Rating, Add	*18.08*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	50.21	27.68
		For 300 Lb. Rating, Add	*31.87*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	60.71	31.43
		For 300 Lb. Rating, Add	*49.23*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	70.89	35.41
		For 300 Lb. Rating, Add	*63.77*	
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*15.92*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	96.59	45.01
		For 300 Lb. Rating, Add	*103.29*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	176.14	66.60
		For 300 Lb. Rating, Add	*265.68*	
		For ASTM 120, Deduct	*-11.46*	
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	257.18	87.54
		For 300 Lb. Rating, Add	*436.00*	
		For ASTM 120, Deduct	*-18.89*	
		For Work In Restricted Working Space, Add	*39.38*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	358.28	90.81
		For 300 Lb. Rating, Add	*763.31*	
		For ASTM 120, Deduct	*-33.32*	
		For Work In Restricted Working Space, Add	*40.85*	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,101.21	94.78
		For 300 Lb. Rating, Add	*3,269.53*	
		For ASTM 120, Deduct	*-143.87*	
		For Work In Restricted Working Space, Add	*42.63*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,032.75	99.10
		For 300 Lb. Rating, Add	*3,015.19*	
		For ASTM 120, Deduct	*-132.63*	
		For Work In Restricted Working Space, Add	*44.57*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,221.97	103.55
		For 300 Lb. Rating, Add	*3,636.20*	
		For ASTM 120, Deduct	*-160.01*	
		For Work In Restricted Working Space, Add	*46.57*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	43.35	23.44
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	49.80	26.31
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*11.82*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	48.45	24.94
		For ASTM 120, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*11.22*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	61.77	29.56
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*13.29*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	63.11	28.05
		For ASTM 120, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	62.38	26.81
		For ASTM 120, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*12.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	77.95	33.42
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*15.02*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	75.21	31.55
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*14.19*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	73.04	30.05
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	92.83	40.16
		For ASTM 120, Deduct	*-4.89*	
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	94.59	38.16
		For ASTM 120, Deduct	*-5.60*	
		For Work In Restricted Working Space, Add	*17.17*	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	93.25	36.29
		For ASTM 120, Deduct	*-5.82*	
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	81.72	34.92
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*15.69*	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	194.05	55.74
		For ASTM 120, Deduct	*-16.57*	
		For Work In Restricted Working Space, Add	*25.07*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	199.50	51.00
		For ASTM 120, Deduct	*-18.46*	
		For Work In Restricted Working Space, Add	*22.93*	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	316.30	77.06
		For ASTM 120, Deduct	*-30.12*	
		For Work In Restricted Working Space, Add	*34.65*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	273.72	66.21
		For ASTM 120, Deduct	*-26.16*	
		For Work In Restricted Working Space, Add	*29.80*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	583.88	86.37
		For ASTM 120, Deduct	*-68.15*	
		For Work In Restricted Working Space, Add	*38.86*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	37.98	22.20
		For 300 Lb. Rating, Add	*18.08*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	44.02	24.81
		For 300 Lb. Rating, Add	*25.35*	
		For ASTM 120, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	49.25	27.68
		For 300 Lb. Rating, Add	*28.61*	
		For ASTM 120, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	61.41	31.43
		For 300 Lb. Rating, Add	*51.61*	
		For ASTM 120, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	69.92	35.41
		For 300 Lb. Rating, Add	*60.47*	
		For ASTM 120, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*15.92*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	92.34	45.01
		For 300 Lb. Rating, Add	*88.84*	
		For ASTM 120, Deduct	*-3.74*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	186.53	66.60
		For 300 Lb. Rating, Add	*301.00*	
		For ASTM 120, Deduct	*-13.02*	
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	257.46	87.54
		For 300 Lb. Rating, Add	*436.96*	
		For ASTM 120, Deduct	*-18.93*	
		For Work In Restricted Working Space, Add	*39.38*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	347.75	90.81
		For 300 Lb. Rating, Add	*727.51*	
		For ASTM 120, Deduct	*-31.74*	
		For Work In Restricted Working Space, Add	*40.85*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	997.01	94.78
		For 300 Lb. Rating, Add	*2,915.25*	
		For ASTM 120, Deduct	*-128.24*	
		For Work In Restricted Working Space, Add	*42.63*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,179.38	99.10
		For 300 Lb. Rating, Add	*3,513.74*	
		For ASTM 120, Deduct	*-154.62*	
		For Work In Restricted Working Space, Add	*44.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,397.09	103.55
		For 300 Lb. Rating, Add	*4,231.60*	
		For ASTM 120, Deduct	*-186.28*	
		For Work In Restricted Working Space, Add	*46.57*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	46.49	27.68
		For 300 Lb. Rating, Add	*19.22*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	56.07	32.05
		For 300 Lb. Rating, Add	*30.45*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*14.39*	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	69.80	37.78
		For 300 Lb. Rating, Add	*48.01*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*17.00*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	88.22	45.01
		For 300 Lb. Rating, Add	*74.83*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	106.34	53.62
		For 300 Lb. Rating, Add	*92.82*	
		For ASTM 120, Deduct	*-3.88*	
		For Work In Restricted Working Space, Add	*24.14*	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	141.82	66.60
		For 300 Lb. Rating, Add	*148.99*	
		For ASTM 120, Deduct	*-6.31*	
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	226.86	72.33
		For 300 Lb. Rating, Add	*409.13*	
		For ASTM 120, Deduct	*-17.76*	
		For Work In Restricted Working Space, Add	*32.53*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	270.13	87.54
		For 300 Lb. Rating, Add	*480.03*	
		For ASTM 120, Deduct	*-20.83*	
		For Work In Restricted Working Space, Add	*39.38*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	500.52	114.74
		For 300 Lb. Rating, Add	*1,127.25*	
		For ASTM 120, Deduct	*-49.28*	
		For Work In Restricted Working Space, Add	*51.60*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,236.90	136.21
		For 300 Lb. Rating, Add	*3,523.20*	
		For ASTM 120, Deduct	*-154.89*	
		For Work In Restricted Working Space, Add	*61.28*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,404.68	155.71
		For 300 Lb. Rating, Add	*3,996.22*	
		For ASTM 120, Deduct	*-175.69*	
		For Work In Restricted Working Space, Add	*70.03*	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,671.79	184.89
		For 300 Lb. Rating, Add	*4,748.42*	
		For ASTM 120, Deduct	*-208.75*	
		For Work In Restricted Working Space, Add	*84.04*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	53.01	27.68
		For 300 Lb. Rating, Add	*41.39*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	59.24	32.05
		For 300 Lb. Rating, Add	*41.23*	
		For ASTM 120, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*14.39*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	72.53	37.78
		For 300 Lb. Rating, Add	*57.29*	
		For ASTM 120, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*17.00*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	91.97	45.01
		For 300 Lb. Rating, Add	*87.58*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	110.81	53.62
		For 300 Lb. Rating, Add	*108.02*	
		For ASTM 120, Deduct	*-4.55*	
		For Work In Restricted Working Space, Add	*24.14*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	144.07	66.60
		For 300 Lb. Rating, Add	*156.64*	
		For ASTM 120, Deduct	*-6.65*	
		For Work In Restricted Working Space, Add	*29.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	265.28	72.57
		For 300 Lb. Rating, Add	*538.66*	
		For ASTM 120, Deduct	*-23.48*	
		For Work In Restricted Working Space, Add	*32.63*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	336.32	88.91
		For 300 Lb. Rating, Add	*698.13*	
		For ASTM 120, Deduct	*-30.45*	
		For Work In Restricted Working Space, Add	*40.00*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	760.42	114.74
		For 300 Lb. Rating, Add	*2,010.91*	
		For ASTM 120, Deduct	*-88.26*	
		For Work In Restricted Working Space, Add	*51.60*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,568.68	136.21
		For 300 Lb. Rating, Add	*4,651.25*	
		For ASTM 120, Deduct	*-204.66*	
		For Work In Restricted Working Space, Add	*61.28*	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,781.46	155.71
		For 300 Lb. Rating, Add	*5,277.27*	
		For ASTM 120, Deduct	*-232.20*	
		For Work In Restricted Working Space, Add	*70.03*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,134.97	178.79
		For 300 Lb. Rating, Add	*6,362.24*	
		For ASTM 120, Deduct	*-279.98*	
		For Work In Restricted Working Space, Add	*80.54*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	42.49	22.20
		For 300 Lb. Rating, Add	*33.41*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	47.87	24.81
		For 300 Lb. Rating, Add	*38.44*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	59.02	27.68
		For 300 Lb. Rating, Add	*61.82*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	71.68	31.43
		For 300 Lb. Rating, Add	*86.53*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	81.05	35.41
		For 300 Lb. Rating, Add	*98.32*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*15.92*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	108.31	45.01
		For 300 Lb. Rating, Add	*143.14*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	224.99	66.60
		For 300 Lb. Rating, Add	*431.77*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	298.64	87.54
		For 300 Lb. Rating, Add	*576.97*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*39.38*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	491.66	90.81
		For 300 Lb. Rating, Add	*1,216.80*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*40.85*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,143.03	94.78
		For 300 Lb. Rating, Add	*3,411.72*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*42.63*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,288.89	99.10
		For 300 Lb. Rating, Add	*3,886.07*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*44.57*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,529.59	103.55
		For 300 Lb. Rating, Add	*4,682.10*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*46.57*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	44.46	22.20
		For 300 Lb. Rating, Add	*40.11*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*9.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	49.21	24.81
		For 300 Lb. Rating, Add	*43.00*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	61.55	27.68
		For 300 Lb. Rating, Add	*70.43*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	72.89	31.43
		For 300 Lb. Rating, Add	*90.65*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	86.39	35.41
		For 300 Lb. Rating, Add	*116.47*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*15.92*	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	112.85	45.01
		For 300 Lb. Rating, Add	*158.57*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	226.58	66.60
		For 300 Lb. Rating, Add	*437.17*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	293.89	87.54
		For 300 Lb. Rating, Add	*560.82*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*39.38*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	500.81	90.81
		For 300 Lb. Rating, Add	*1,247.91*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*40.85*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,195.72	94.78
		For 300 Lb. Rating, Add	*3,590.87*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*42.63*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,348.91	99.10
		For 300 Lb. Rating, Add	*4,090.14*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*44.57*	
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,602.46	103.55
		For 300 Lb. Rating, Add	*4,929.86*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*46.57*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	17.68	10.35
		For 300 Lb. Rating, Add	*8.04*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	19.52	11.09
		For 300 Lb. Rating, Add	*10.82*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.99*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.77	12.84
		For 300 Lb. Rating, Add	*13.36*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.83	13.47
		For 300 Lb. Rating, Add	*17.25*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.53	13.47
		For 300 Lb. Rating, Add	*16.23*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	36.28	17.83
		For 300 Lb. Rating, Add	*33.77*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	54.48	22.20
		For 300 Lb. Rating, Add	*74.18*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	70.46	26.81
		For 300 Lb. Rating, Add	*105.20*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	103.19	31.17
		For 300 Lb. Rating, Add	*194.93*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*14.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	245.97	38.98
		For 300 Lb. Rating, Add	*641.38*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*17.51*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	305.98	46.34
		For 300 Lb. Rating, Add	*808.07*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	384.04	51.78
		For 300 Lb. Rating, Add	*1,046.49*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*23.29*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	55.41	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	63.86	32.05
		For Work In Restricted Working Space, Add	*14.39*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	77.50	37.78
		For Work In Restricted Working Space, Add	*17.00*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	97.50	45.01
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	116.93	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	141.69	66.60
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	292.92	98.14
		For Work In Restricted Working Space, Add	*44.18*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	397.63	129.06
		For Work In Restricted Working Space, Add	*58.13*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	69.70	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	73.52	32.05
		For Work In Restricted Working Space, Add	*14.39*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	88.37	37.78
		For Work In Restricted Working Space, Add	*17.00*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	115.40	45.01
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	135.72	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	177.80	66.60
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	352.55	98.14
		For Work In Restricted Working Space, Add	*44.18*	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	508.73	129.06
		For Work In Restricted Working Space, Add	*58.13*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	695.09	134.00
		For Work In Restricted Working Space, Add	*60.31*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	73.62	27.68
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	82.73	32.05
		For Work In Restricted Working Space, Add	*14.39*	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	102.79	37.78
		For Work In Restricted Working Space, Add	*17.00*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	131.71	45.01
		For Work In Restricted Working Space, Add	*20.22*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	157.89	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	192.70	66.60
		For Work In Restricted Working Space, Add	*29.93*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	406.52	98.14
		For Work In Restricted Working Space, Add	*44.18*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	632.23	129.06
		For Work In Restricted Working Space, Add	*58.13*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,300.70	134.00
		For Work In Restricted Working Space, Add	*60.31*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.66	11.85
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.31	11.85
		For Schedule 80 Nipples, Add	*1.70*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.63	11.85
		For Schedule 80 Nipples, Add	*2.06*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	21.67	12.84
		For Schedule 80 Nipples, Add	*2.84*	
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	24.13	13.84
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	24.70	13.84
		For Schedule 80 Nipples, Add	*4.46*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	32.34	17.83
		For Schedule 80 Nipples, Add	*6.29*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	49.67	22.20
		For Schedule 80 Nipples, Add	*18.72*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	59.91	26.81
		For Schedule 80 Nipples, Add	*22.44*	
		For ASTM 120, Deduct	*-2.95*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	76.17	31.17
		For Schedule 80 Nipples, Add	*33.62*	
		For ASTM 120, Deduct	*-4.42*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.94	11.85
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.39	11.85
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.79	11.85
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.94	11.85
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.39	11.85
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.79	11.85
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	22.11	12.84
		For Schedule 80 Nipples, Add	*3.34*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.37	13.84
		For Schedule 80 Nipples, Add	*4.08*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.99	13.84
		For Schedule 80 Nipples, Add	*4.79*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.64	11.85
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.66	11.85
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.00	11.85
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.36	12.84
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.72	13.84
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.03	17.83
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	20.64	11.85
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.66	11.85
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	20.00	11.85
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	22.36	12.84
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	24.72	13.84
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	25.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	33.03	17.83
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	50.30	22.20
		For Schedule 80 Nipples, Add	*19.44*	
		For ASTM 120, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	62.62	26.81
		For Schedule 80 Nipples, Add	*25.52*	
		For ASTM 120, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.17	11.85
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.10	11.85
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.64	11.85
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.00	12.84
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.71	13.84
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.36	17.83
		For Schedule 80 Nipples, Add	*8.60*	
		For ASTM 120, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	53.04	22.20
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	66.50	26.81
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.17	11.85
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	20.10	11.85
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.17	11.85
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	23.00	12.84
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	25.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	26.71	13.84
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	34.42	17.83
		For Schedule 80 Nipples, Add	*8.66*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	53.04	22.20
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	66.50	26.81
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	81.94	31.17
		For Schedule 80 Nipples, Add	*40.20*	
		For ASTM 120, Deduct	*-5.29*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.44	11.85
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.56	11.85
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.19	11.85
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.86	12.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.58	13.84
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.94	13.84
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.44	17.83
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	55.31	22.20
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	70.84	26.81
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	86.22	31.17
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	22.44	11.85
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	20.56	11.85
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	21.19	11.85
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	23.86	12.84
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	26.58	13.84
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	27.94	13.84
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	36.44	17.83
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	55.31	22.20
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	70.84	26.81
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	86.22	31.17
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	22.95	11.85
		For Schedule 80 Nipples, Add	*5.85*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	20.93	11.85
		For Schedule 80 Nipples, Add	*3.55*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	21.86	11.85
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	24.49	12.84
		For Schedule 80 Nipples, Add	*6.05*	
		For ASTM 120, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	27.51	13.84
		For Schedule 80 Nipples, Add	*7.66*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	28.84	13.84
		For Schedule 80 Nipples, Add	*9.18*	
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	38.00	17.83
		For Schedule 80 Nipples, Add	*12.75*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	57.50	22.20
		For Schedule 80 Nipples, Add	*27.65*	
		For ASTM 120, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	72.61	26.81
		For Schedule 80 Nipples, Add	*36.91*	
		For ASTM 120, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	90.39	31.17
		For Schedule 80 Nipples, Add	*49.83*	
		For ASTM 120, Deduct	*-6.56*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	38.33	11.85
		For Schedule 80 Nipples, Add	*23.38*	
		For ASTM 120, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	23.30	11.85
		For Schedule 80 Nipples, Add	*6.25*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.83	11.85
		For Schedule 80 Nipples, Add	*7.99*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	28.06	12.84
		For Schedule 80 Nipples, Add	*10.12*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	31.68	13.84
		For Schedule 80 Nipples, Add	*12.41*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	33.28	13.84
		For Schedule 80 Nipples, Add	*14.24*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	45.04	17.83
		For Schedule 80 Nipples, Add	*20.77*	
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	64.46	22.20
		For Schedule 80 Nipples, Add	*35.58*	
		For ASTM 120, Deduct	*-4.68*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	83.85	26.81
		For Schedule 80 Nipples, Add	*49.73*	
		For ASTM 120, Deduct	*-6.54*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	98.84	31.17
		For Schedule 80 Nipples, Add	*59.46*	
		For ASTM 120, Deduct	*-7.82*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	27.60	11.85
		For Schedule 80 Nipples, Add	*11.15*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	24.33	11.85
		For Schedule 80 Nipples, Add	*7.42*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	25.60	11.85
		For Schedule 80 Nipples, Add	*8.87*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	29.33	12.84
		For Schedule 80 Nipples, Add	*11.57*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*5.75*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	33.81	13.84
		For Schedule 80 Nipples, Add	*14.84*	
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	35.35	13.84
		For Schedule 80 Nipples, Add	*16.60*	
		For ASTM 120, Deduct	*-2.18*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	48.13	17.83
		For Schedule 80 Nipples, Add	*24.29*	
		For ASTM 120, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	68.82	22.20
		For Schedule 80 Nipples, Add	*40.55*	
		For ASTM 120, Deduct	*-5.34*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	89.99	26.81
		For Schedule 80 Nipples, Add	*56.73*	
		For ASTM 120, Deduct	*-7.46*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	107.13	31.17
		For Schedule 80 Nipples, Add	*68.91*	
		For ASTM 120, Deduct	*-9.07*	
		For Work In Restricted Working Space, Add	*14.00*	
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	28.66	11.85
		For Schedule 80 Nipples, Add	*12.36*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	25.23	11.85
		For Schedule 80 Nipples, Add	*8.45*	
		For ASTM 120, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	26.54	11.85
		For Schedule 80 Nipples, Add	*9.94*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	31.00	12.84
		For Schedule 80 Nipples, Add	*13.47*	
		For ASTM 120, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	36.42	13.84
		For Schedule 80 Nipples, Add	*17.82*	
		For ASTM 120, Deduct	*-2.34*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	37.45	13.84
		For Schedule 80 Nipples, Add	*18.99*	
		For ASTM 120, Deduct	*-2.50*	
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	51.27	17.83
		For Schedule 80 Nipples, Add	*27.87*	
		For ASTM 120, Deduct	*-3.67*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	73.05	22.20
		For Schedule 80 Nipples, Add	*45.37*	
		For ASTM 120, Deduct	*-5.97*	
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	96.18	26.81
		For Schedule 80 Nipples, Add	*63.78*	
		For ASTM 120, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	115.50	31.17
		For Schedule 80 Nipples, Add	*78.45*	
		For ASTM 120, Deduct	*-10.32*	
		For Work In Restricted Working Space, Add	*14.00*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0844 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.74	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.18	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.59	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.06	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.58	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	25.49	11.85
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.79	12.84
		For Work In Restricted Working Space, Add	*5.76*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	25.27	12.84
		For Work In Restricted Working Space, Add	*5.76*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	32.63	12.84
		For Work In Restricted Working Space, Add	*5.76*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	35.35	13.84
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	39.40	13.84
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	52.64	17.83
		For Work In Restricted Working Space, Add	*8.04*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	62.67	22.20
		For Work In Restricted Working Space, Add	*9.99*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	99.47	26.81
		For Work In Restricted Working Space, Add	*12.08*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	20.50	8.85
		For 300 Lb. Rating, Add	*25.28*	
		For Work In Restricted Working Space, Add	*3.99*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	22.09	9.97
		For 300 Lb. Rating, Add	*25.37*	
		For Work In Restricted Working Space, Add	*4.47*	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	24.53	11.09
		For 300 Lb. Rating, Add	*27.86*	
		For Work In Restricted Working Space, Add	*4.99*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	30.97	12.60
		For 300 Lb. Rating, Add	*42.44*	
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	37.58	14.09
		For 300 Lb. Rating, Add	*56.90*	
		For Work In Restricted Working Space, Add	*6.37*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	47.76	17.96
		For 300 Lb. Rating, Add	*72.34*	
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	80.47	26.56
		For 300 Lb. Rating, Add	*140.33*	
		For Work In Restricted Working Space, Add	*11.97*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	110.07	35.04
		For 300 Lb. Rating, Add	*198.85*	
		For Work In Restricted Working Space, Add	*15.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	173.98	36.30
		For 300 Lb. Rating, Add	*409.57*	
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	276.08	37.94
		For 300 Lb. Rating, Add	*748.83*	
		For Work In Restricted Working Space, Add	*17.05*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	296.44	39.57
		For 300 Lb. Rating, Add	*809.43*	
		For Work In Restricted Working Space, Add	*17.83*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	44.43	23.44
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	48.41	24.94
		For Work In Restricted Working Space, Add	*11.22*	
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	49.81	26.31
		For Work In Restricted Working Space, Add	*11.82*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	55.56	26.81
		For Work In Restricted Working Space, Add	*12.05*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	56.14	28.05
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	58.31	29.56
		For Work In Restricted Working Space, Add	*13.29*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	63.51	28.81
		For Work In Restricted Working Space, Add	*12.95*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	65.49	30.05
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	65.66	31.55
		For Work In Restricted Working Space, Add	*14.19*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	66.98	33.42
		For Work In Restricted Working Space, Add	*15.02*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	75.74	33.54
		For Work In Restricted Working Space, Add	*15.10*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	75.96	34.92
		For Work In Restricted Working Space, Add	*15.69*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	76.84	36.29
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	79.59	38.16
		For Work In Restricted Working Space, Add	*17.17*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	79.85	40.16
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	105.27	45.64
		For Work In Restricted Working Space, Add	*20.55*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	107.43	47.13
		For Work In Restricted Working Space, Add	*21.20*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	110.18	48.88
		For Work In Restricted Working Space, Add	*22.02*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	112.51	51.00
		For Work In Restricted Working Space, Add	*22.93*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	115.56	55.74
		For Work In Restricted Working Space, Add	*25.07*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	132.79	56.12
		For Work In Restricted Working Space, Add	*25.28*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	134.96	57.61
		For Work In Restricted Working Space, Add	*25.93*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	137.70	59.48
		For Work In Restricted Working Space, Add	*26.75*	
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	139.76	61.48
		For Work In Restricted Working Space, Add	*27.65*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	142.48	66.21
		For Work In Restricted Working Space, Add	*29.80*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	161.16	77.06
		For Work In Restricted Working Space, Add	*34.65*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	187.25	56.97
		For Work In Restricted Working Space, Add	*25.65*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	189.29	58.36
		For Work In Restricted Working Space, Add	*26.27*	
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	191.85	60.11
		For Work In Restricted Working Space, Add	*27.03*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	194.66	61.98
		For Work In Restricted Working Space, Add	*27.88*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	189.39	66.42
		For Work In Restricted Working Space, Add	*29.89*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	216.51	76.57
		For Work In Restricted Working Space, Add	*34.43*	
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	224.54	86.37
		For Work In Restricted Working Space, Add	*38.86*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	76.40	45.57
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	83.52	49.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	95.84	56.37
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	99.59	58.36
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	108.38	63.48
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	116.55	66.21

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	142.70	49.88
		For Work In Restricted Working Space, Add	*22.45*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	137.09	56.37
		For Work In Restricted Working Space, Add	*25.36*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	115.28	58.36
		For Work In Restricted Working Space, Add	*26.25*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	136.21	63.48
		For Work In Restricted Working Space, Add	*28.56*	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	153.62	66.21
		For Work In Restricted Working Space, Add	*29.80*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	178.42	76.69
		For Work In Restricted Working Space, Add	*34.47*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	317.32	97.26
		For Work In Restricted Working Space, Add	*43.75*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	420.30	124.55
		For Work In Restricted Working Space, Add	*56.02*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	588.97	148.24
		For Work In Restricted Working Space, Add	*66.68*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	647.28	170.30
		For Work In Restricted Working Space, Add	*76.60*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	598.24	194.63
		For Work In Restricted Working Space, Add	*87.54*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	40.63	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	44.68	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	48.75	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	52.81	
		For Work In Restricted Working Space, Add	*15.84*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	55.52	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	58.22	
		For Work In Restricted Working Space, Add	*17.47*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	60.93	
		For Work In Restricted Working Space, Add	*18.28*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	63.64	
		For Work In Restricted Working Space, Add	*19.09*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	66.35	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	71.76	
		For Work In Restricted Working Space, Add	*21.53*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	77.18	
		For Work In Restricted Working Space, Add	*23.15*	

22 11 16 00-0383 Galvanized Malleable Iron Welded Plain End Half Coupling *(22 11 16 00-0013)*

Note: Threaded Female x Butt Weld Straight Adapter

22 11 16 00-0384	EA	1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	70.46	45.28
		For 300 Lb. Rating, Add	*12.68*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*20.38*	
22 11 16 00-0385	EA	3/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	82.56	52.62
		For 300 Lb. Rating, Add	*17.11*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*23.68*	
22 11 16 00-0386	EA	1" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	89.35	56.28
		For 300 Lb. Rating, Add	*22.03*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*25.31*	
22 11 16 00-0387	EA	1-1/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	105.03	64.01
		For 300 Lb. Rating, Add	*36.46*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*28.80*	
22 11 16 00-0388	EA	1-1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	116.74	69.82
		For 300 Lb. Rating, Add	*47.12*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*31.42*	
22 11 16 00-0389	EA	2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	151.49	90.31
		For 300 Lb. Rating, Add	*63.03*	
		For ASTM 120, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*40.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0390		**Copper Pipe And Fittings** *(22 11 16)*		
		Note: Excludes hangers. See CSI section 22 11 16 00-0921 for pipe with fittings assembly.		
22 11 16 00-0391		**Copper Tube/Pipe** *(22 11 16 00-0390)*		
		Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0392		**Hard Drawn Type L Copper Tube/Pipe** *(22 11 16 00-0391)*		
22 11 16 00-0393	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	6.49	3.05
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For Up To 20, Add	*0.70*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0394	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.59	3.17
		For Medical/Oxygen Service Tubing, Add	*0.23*	
		For Up To 20, Add	*0.83*	
		For >200, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0395	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	8.33	3.31
		For Medical/Oxygen Service Tubing, Add	*0.27*	
		For Up To 20, Add	*0.92*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0396	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	10.73	3.51
		For Medical/Oxygen Service Tubing, Add	*0.44*	
		For Up To 20, Add	*1.21*	
		For >200, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0397	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	13.83	3.94
		For Medical/Oxygen Service Tubing, Add	*0.63*	
		For Up To 20, Add	*1.58*	
		For >200, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0398	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	19.70	5.86
		For Medical/Oxygen Service Tubing, Add	*0.87*	
		For Up To 20, Add	*2.24*	
		For >200, Deduct	*-1.09*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0399	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	23.84	6.54
		For Medical/Oxygen Service Tubing, Add	*1.12*	
		For Up To 20, Add	*2.74*	
		For >200, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-0400	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	34.32	8.07
		For Medical/Oxygen Service Tubing, Add	*1.78*	
		For Up To 20, Add	*3.99*	
		For >200, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*3.63*	
22 11 16 00-0401	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	60.60	9.49
		For Medical/Oxygen Service Tubing, Add	*2.57*	
		For Up To 20, Add	*6.86*	
		For >200, Deduct	*-3.21*	
		For Work In Restricted Working Space, Add	*8.55*	
22 11 16 00-0402	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	76.33	11.18
		For Medical/Oxygen Service Tubing, Add	*3.42*	
		For Up To 20, Add	*8.70*	
		For >200, Deduct	*-4.28*	
		For Work In Restricted Working Space, Add	*10.06*	
22 11 16 00-0403	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	114.12	12.62
		For Medical/Oxygen Service Tubing, Add	*6.10*	
		For Up To 20, Add	*13.32*	
		For >200, Deduct	*-7.63*	
		For Work In Restricted Working Space, Add	*11.35*	
22 11 16 00-0404	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	178.20	14.49
		For Medical/Oxygen Service Tubing, Add	*10.78*	
		For Up To 20, Add	*21.19*	
		For >200, Deduct	*-13.47*	
		For Work In Restricted Working Space, Add	*13.04*	
22 11 16 00-0405	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	244.60	22.46
		For Medical/Oxygen Service Tubing, Add	*14.18*	
		For Up To 20, Add	*28.89*	
		For >200, Deduct	*-17.73*	
		For Work In Restricted Working Space, Add	*20.20*	
22 11 16 00-0406	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	408.93	24.96
		For Medical/Oxygen Service Tubing, Add	*26.73*	
		For Up To 20, Add	*49.24*	
		For >200, Deduct	*-33.41*	
		For Work In Restricted Working Space, Add	*22.46*	
22 11 16 00-0407		**Hard Drawn Type K Copper Tube/Pipe** *(22 11 16 00-0391)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0408	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	7.07	3.28
		For Medical/Oxygen Service Tubing, Add	*0.17*	
		For Up To 20, Add	*0.76*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0409	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.51	3.41
		For Medical/Oxygen Service Tubing, Add	*0.31*	
		For Up To 20, Add	*1.05*	
		For >200, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.68*	
22 11 16 00-0410	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	10.06	3.55
		For Medical/Oxygen Service Tubing, Add	*0.37*	
		For Up To 20, Add	*1.12*	
		For >200, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.64*	
22 11 16 00-0411	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	14.60	3.76
		For Medical/Oxygen Service Tubing, Add	*0.66*	
		For Up To 20, Add	*1.67*	
		For >200, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.90*	
22 11 16 00-0412	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	17.71	4.24
		For Medical/Oxygen Service Tubing, Add	*0.88*	
		For Up To 20, Add	*2.05*	
		For >200, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*2.02*	
22 11 16 00-0413	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	23.21	6.30
		For Medical/Oxygen Service Tubing, Add	*1.09*	
		For Up To 20, Add	*2.66*	
		For >200, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*2.87*	
22 11 16 00-0414	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	28.24	7.03
		For Medical/Oxygen Service Tubing, Add	*1.40*	
		For Up To 20, Add	*3.26*	
		For >200, Deduct	*-1.75*	
		For Work In Restricted Working Space, Add	*3.22*	
22 11 16 00-0415	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	40.06	8.68
		For Medical/Oxygen Service Tubing, Add	*2.15*	
		For Up To 20, Add	*4.68*	
		For >200, Deduct	*-2.69*	
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0416	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	68.71	10.20
		For Medical/Oxygen Service Tubing, Add	*3.21*	
		For Up To 20, Add	*7.87*	
		For >200, Deduct	*-4.01*	
		For Work In Restricted Working Space, Add	*8.59*	
22 11 16 00-0417	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	91.68	12.02
		For Medical/Oxygen Service Tubing, Add	*4.38*	
		For Up To 20, Add	*10.54*	
		For >200, Deduct	*-5.48*	
		For Work In Restricted Working Space, Add	*11.07*	
22 11 16 00-0418	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	139.45	13.57
		For Medical/Oxygen Service Tubing, Add	*7.81*	
		For Up To 20, Add	*16.39*	
		For >200, Deduct	*-9.76*	
		For Work In Restricted Working Space, Add	*12.54*	
22 11 16 00-0419	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	228.26	15.58
		For Medical/Oxygen Service Tubing, Add	*14.31*	
		For Up To 20, Add	*27.30*	
		For >200, Deduct	*-17.89*	
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-0420	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	336.27	24.15
		For Medical/Oxygen Service Tubing, Add	*20.54*	
		For Up To 20, Add	*40.05*	
		For >200, Deduct	*-25.67*	
		For Work In Restricted Working Space, Add	*23.87*	
22 11 16 00-0421	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	568.36	26.83
		For Medical/Oxygen Service Tubing, Add	*38.46*	
		For Up To 20, Add	*68.85*	
		For >200, Deduct	*-48.07*	
		For Work In Restricted Working Space, Add	*26.30*	

22 11 16 00-0422 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0391)*

22 11 16 00-0423	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.33	2.86
		For Up To 20, Add	*0.69*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0424	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.74	2.98
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*1.28*	
22 11 16 00-0425	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	8.54	3.16
		For Up To 20, Add	*0.95*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0426	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	11.23	3.55
		For Up To 20, Add	*1.28*	
		For >200, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0427	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	16.79	5.28
		For Up To 20, Add	*1.90*	
		For >200, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*2.33*	
22 11 16 00-0428	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	21.36	5.89
		For Up To 20, Add	*2.45*	
		For >200, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*2.68*	
22 11 16 00-0429	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	30.63	7.25
		For Up To 20, Add	*3.55*	
		For >200, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*3.33*	
22 11 16 00-0430	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	55.29	8.54
		For Up To 20, Add	*6.24*	
		For >200, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*8.08*	
22 11 16 00-0431	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	67.96	10.06
		For Up To 20, Add	*7.74*	
		For >200, Deduct	*-3.77*	
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-0432	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	105.92	11.36
		For Up To 20, Add	*12.36*	
		For >200, Deduct	*-7.06*	
		For Work In Restricted Working Space, Add	*10.59*	
22 11 16 00-0433	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	177.84	13.04
		For Up To 20, Add	*21.21*	
		For >200, Deduct	*-13.71*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0434	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	246.26	20.21
		For Up To 20, Add	*29.20*	
		For >200, Deduct	*-18.32*	
		For Work In Restricted Working Space, Add	*18.93*	
22 11 16 00-0435	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	416.51	22.47
		For Up To 20, Add	*50.33*	
		For >200, Deduct	*-34.71*	
		For Work In Restricted Working Space, Add	*20.83*	

22 11 16 00-0436 Soft Drawn Type L Copper Tube *(22 11 16 00-0391)*

22 11 16 00-0437	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	7.05	3.05
		For Up To 20, Add	*0.77*	
		For >200, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0438	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	8.63	3.17
		For Up To 20, Add	*0.96*	
		For >200, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0439	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	10.15	3.31
		For Up To 20, Add	*1.14*	
		For >200, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0440	LF	5/8" Diameter, Soft Drawn Type L Copper Tube	11.77	3.41
		For Up To 20, Add	*1.34*	
		For >200, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0441	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	13.21	3.51
		For Up To 20, Add	*1.52*	
		For >200, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0442	LF	1" Diameter, Soft Drawn Type L Copper Tube	16.92	3.94
		For Up To 20, Add	*1.97*	
		For >200, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0443	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	23.28	5.86
		For Up To 20, Add	*2.69*	
		For >200, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0444	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	29.44	6.54
		For Up To 20, Add	*3.44*	
		For >200, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-0445	LF	2" Diameter, Soft Drawn Type L Copper Tube	43.34	8.07
		For Up To 20, Add	*5.12*	
		For >200, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*3.63*	

22 11 16 00-0446 Soft Drawn Type K Copper Tube *(22 11 16 00-0391)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	7.30	3.05
		For Up To 20, Add	*0.80*	
		For >200, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0448	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	9.44	3.17
		For Up To 20, Add	*1.06*	
		For >200, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0449	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	10.82	3.31
		For Up To 20, Add	*1.23*	
		For >200, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0450	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	12.10	3.41
		For Up To 20, Add	*1.38*	
		For >200, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0451	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	16.10	3.51
		For Up To 20, Add	*1.88*	
		For >200, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0452	LF	1" Diameter, Soft Drawn Type K Copper Tube	20.30	3.94
		For Up To 20, Add	*2.39*	
		For >200, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0453	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	25.76	5.86
		For Up To 20, Add	*3.00*	
		For >200, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*2.64*	
22 11 16 00-0454	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	33.38	6.54
		For Up To 20, Add	*3.93*	
		For >200, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-0455	LF	2" Diameter, Soft Drawn Type K Copper Tube	48.75	8.07
		For Up To 20, Add	*5.79*	
		For >200, Deduct	*-3.67*	
		For Work In Restricted Working Space, Add	*3.63*	
22 11 16 00-0456	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	69.48	9.67
		For Up To 20, Add	*8.32*	
		For >200, Deduct	*-5.50*	
		For Work In Restricted Working Space, Add	*4.35*	
22 11 16 00-0457	LF	3" Diameter, Soft Drawn Type K Copper Tube	93.60	11.42
		For Up To 20, Add	*11.27*	
		For >200, Deduct	*-7.65*	
		For Work In Restricted Working Space, Add	*5.14*	

22 11 16 00-0458 Copper And Brass Fittings *(22 11 16 00-0390)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0459 90 Degree Copper Elbows *(22 11 16 00-0458)*

22 11 16 00-0460	EA	1/4" Diameter, 90 Degree Copper Elbow	30.53	18.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.06*	
		For Street Fitting, Add	*1.38*	
		For Work In Restricted Working Space, Add	*8.12*	
22 11 16 00-0461	EA	3/8" Diameter, 90 Degree Copper Elbow	36.15	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Street Fitting, Add	*1.46*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0462	EA	1/2" Diameter, 90 Degree Copper Elbow	45.86	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*6.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Street Fitting, Add	*0.47*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0463	EA	3/4" Diameter, 90 Degree Copper Elbow	58.18	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*8.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Street Fitting, Add	*1.06*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0464	EA	1" Diameter, 90 Degree Copper Elbow	72.86	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*10.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Street Fitting, Add	*2.60*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0465	EA	1-1/4" Diameter, 90 Degree Copper Elbow	81.50	47.93
		For Silver Solder Instead Of 95/5 Solder, Add	*11.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.77*	
		For Street Fitting, Add	*3.89*	
		For Work In Restricted Working Space, Add	*21.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0466	EA	1-1/2" Diameter, 90 Degree Copper Elbow	93.77	52.40
		For Silver Solder Instead Of 95/5 Solder, Add	*12.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.78*	
		For Street Fitting, Add	*6.09*	
		For Work In Restricted Working Space, Add	*23.56*	
22 11 16 00-0467	EA	2" Diameter, 90 Degree Copper Elbow	115.77	58.77
		For Silver Solder Instead Of 95/5 Solder, Add	*14.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.20*	
		For Street Fitting, Add	*11.10*	
		For Work In Restricted Working Space, Add	*26.40*	
22 11 16 00-0468	EA	2-1/2" Diameter, 90 Degree Copper Elbow	152.76	59.85
		For Silver Solder Instead Of 95/5 Solder, Add	*16.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.47*	
		For Work In Restricted Working Space, Add	*26.93*	
22 11 16 00-0469	EA	3" Diameter, 90 Degree Copper Elbow	196.07	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*20.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	
22 11 16 00-0470	EA	4" Diameter, 90 Degree Copper Elbow	367.65	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*33.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.82*	
		For Work In Restricted Working Space, Add	*45.64*	
22 11 16 00-0471	EA	5" Diameter, 90 Degree Copper Elbow	1,111.10	138.91
		For Silver Solder Instead Of 95/5 Solder, Add	*76.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-65.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.24*	
		For Work In Restricted Working Space, Add	*62.48*	
22 11 16 00-0472	EA	6" Diameter, 90 Degree Copper Elbow	1,506.58	202.14
		For Silver Solder Instead Of 95/5 Solder, Add	*105.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-90.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.45*	
		For Work In Restricted Working Space, Add	*90.91*	
22 11 16 00-0473	EA	8" Diameter, 90 Degree Copper Elbow	4,856.58	269.48
		For Silver Solder Instead Of 95/5 Solder, Add	*283.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-263.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*60.60*	
		For Work In Restricted Working Space, Add	*121.21*	
22 11 16 00-0474		90 Degree Brass Elbows *(22 11 16 00-0458)*		
22 11 16 00-0475	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	52.11	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*7.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0476	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	77.19	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*9.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0477	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	58.23	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*7.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0478	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	43.62	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0479	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	52.64	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*7.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0480	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	69.53	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*9.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0481	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	111.08	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*12.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0482		Reducing 90 Degree Copper Elbows *(22 11 16 00-0458)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0483	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	54.28	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*7.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0484	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	62.33	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*8.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0485	EA	1" Diameter, Reducing 90 Degree Copper Elbow	78.85	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*10.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0486	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	103.61	47.93
		For Silver Solder Instead Of 95/5 Solder, Add	*12.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.77*	
		For Work In Restricted Working Space, Add	*21.53*	
22 11 16 00-0487	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	120.37	52.40
		For Silver Solder Instead Of 95/5 Solder, Add	*13.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.78*	
		For Work In Restricted Working Space, Add	*23.56*	
22 11 16 00-0488	EA	2" Diameter, Reducing 90 Degree Copper Elbow	144.31	58.77
		For Silver Solder Instead Of 95/5 Solder, Add	*16.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.20*	
		For Work In Restricted Working Space, Add	*26.40*	
22 11 16 00-0489		**45 Degree Copper Elbows** *(22 11 16 00-0458)*		
22 11 16 00-0490	EA	1/4" Diameter, 45 Degree Copper Elbow	33.53	18.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.06*	
		For Street Fitting, Add	*2.58*	
		For Work In Restricted Working Space, Add	*8.12*	
22 11 16 00-0491	EA	3/8" Diameter, 45 Degree Copper Elbow	38.03	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Street Fitting, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0492	EA	1/2" Diameter, 45 Degree Copper Elbow	46.85	29.79
		For Silver Solder Instead Of 95/5 Solder, Add	*6.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.70*	
		For Street Fitting, Add	*0.87*	
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-0493	EA	3/4" Diameter, 45 Degree Copper Elbow	59.24	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*8.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Street Fitting, Add	*1.49*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0494	EA	1" Diameter, 45 Degree Copper Elbow	75.62	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*10.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Street Fitting, Add	*3.71*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0495	EA	1-1/4" Diameter, 45 Degree Copper Elbow	84.33	47.93
		For Silver Solder Instead Of 95/5 Solder, Add	*11.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.77*	
		For Street Fitting, Add	*5.02*	
		For Work In Restricted Working Space, Add	*21.53*	
22 11 16 00-0496	EA	1-1/2" Diameter, 45 Degree Copper Elbow	93.96	52.40
		For Silver Solder Instead Of 95/5 Solder, Add	*12.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.78*	
		For Street Fitting, Add	*6.17*	
		For Work In Restricted Working Space, Add	*23.56*	
22 11 16 00-0497	EA	2" Diameter, 45 Degree Copper Elbow	113.73	58.77
		For Silver Solder Instead Of 95/5 Solder, Add	*14.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.20*	
		For Work In Restricted Working Space, Add	*26.40*	
22 11 16 00-0498	EA	2-1/2" Diameter, 45 Degree Copper Elbow	152.00	59.85
		For Silver Solder Instead Of 95/5 Solder, Add	*16.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.47*	
		For Work In Restricted Working Space, Add	*26.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0499	EA	3" Diameter, 45 Degree Copper Elbow	199.57	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*20.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	
22 11 16 00-0500	EA	4" Diameter, 45 Degree Copper Elbow	349.00	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*32.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.82*	
		For Work In Restricted Working Space, Add	*45.64*	
22 11 16 00-0501	EA	5" Diameter, 45 Degree Copper Elbow	970.67	138.91
		For Silver Solder Instead Of 95/5 Solder, Add	*69.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-58.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.24*	
		For Work In Restricted Working Space, Add	*62.48*	
22 11 16 00-0502	EA	6" Diameter, 45 Degree Copper Elbow	1,504.52	202.14
		For Silver Solder Instead Of 95/5 Solder, Add	*105.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-90.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.45*	
		For Work In Restricted Working Space, Add	*90.91*	
22 11 16 00-0503	EA	8" Diameter, 45 Degree Copper Elbow	4,486.68	269.48
		For Silver Solder Instead Of 95/5 Solder, Add	*264.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-244.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*60.60*	
		For Work In Restricted Working Space, Add	*121.21*	
22 11 16 00-0504		**Straight Copper And Brass Tees** *(22 11 16 00-0458)*		
22 11 16 00-0505	EA	1/4" Diameter, Straight Copper Tee	47.87	27.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.09*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0506	EA	3/8" Diameter, Straight Copper Tee	54.57	32.50
		For Silver Solder Instead Of 95/5 Solder, Add	*7.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0507	EA	1/2" Diameter, Straight Copper Tee	69.74	45.23
		For Silver Solder Instead Of 95/5 Solder, Add	*10.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0508	EA	3/4" Diameter, Straight Copper Tee	88.83	56.06
		For Silver Solder Instead Of 95/5 Solder, Add	*12.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.59*	
		For Work In Restricted Working Space, Add	*25.19*	
22 11 16 00-0509	EA	1" Diameter, Straight Copper Tee	114.84	66.89
		For Silver Solder Instead Of 95/5 Solder, Add	*15.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.03*	
		For Work In Restricted Working Space, Add	*30.06*	
22 11 16 00-0510	EA	1-1/4" Diameter, Straight Copper Tee	128.72	72.30
		For Silver Solder Instead Of 95/5 Solder, Add	*17.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.25*	
		For Work In Restricted Working Space, Add	*32.50*	
22 11 16 00-0511	EA	1-1/2" Diameter, Straight Copper Tee	148.65	78.54
		For Silver Solder Instead Of 95/5 Solder, Add	*19.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.67*	
		For Work In Restricted Working Space, Add	*35.34*	
22 11 16 00-0512	EA	2" Diameter, Straight Copper Tee	181.74	88.56
		For Silver Solder Instead Of 95/5 Solder, Add	*22.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.91*	
		For Work In Restricted Working Space, Add	*39.81*	
22 11 16 00-0513	EA	2-1/2" Diameter, Straight Copper Tee	246.94	89.78
		For Silver Solder Instead Of 95/5 Solder, Add	*25.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.20*	
		For Work In Restricted Working Space, Add	*40.40*	
22 11 16 00-0514	EA	3" Diameter, Straight Copper Tee	333.63	108.12
		For Silver Solder Instead Of 95/5 Solder, Add	*32.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.32*	
		For Work In Restricted Working Space, Add	*48.63*	
22 11 16 00-0515	EA	4" Diameter, Straight Copper Tee	642.06	151.39
		For Silver Solder Instead Of 95/5 Solder, Add	*54.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.04*	
		For Work In Restricted Working Space, Add	*68.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0516	EA	5" Diameter, Straight Copper Tee	1,667.51	207.12
		For Silver Solder Instead Of 95/5 Solder, Add	*114.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-98.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*46.58*	
		For Work In Restricted Working Space, Add	*93.15*	
22 11 16 00-0517	EA	6" Diameter, Straight Copper Tee	2,310.15	303.65
		For Silver Solder Instead Of 95/5 Solder, Add	*161.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-138.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*68.27*	
		For Work In Restricted Working Space, Add	*136.55*	
22 11 16 00-0518	EA	8" Diameter, Straight Copper Tee	7,761.64	404.28
		For Silver Solder Instead Of 95/5 Solder, Add	*448.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-418.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*90.91*	
		For Work In Restricted Working Space, Add	*181.82*	
22 11 16 00-0519	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	80.23	45.23
		For Silver Solder Instead Of 95/5 Solder, Add	*10.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0520		**Reducing Copper Tees** *(22 11 16 00-0458)*		
22 11 16 00-0521	EA	3/8" Diameter, Reducing Copper Tee	54.84	28.84
		For Silver Solder Instead Of 95/5 Solder, Add	*7.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.50*	
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-0522	EA	1/2" Diameter, Reducing Copper Tee	71.06	40.63
		For Silver Solder Instead Of 95/5 Solder, Add	*9.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.14*	
		For Work In Restricted Working Space, Add	*18.28*	
22 11 16 00-0523	EA	3/4" Diameter, Reducing Copper Tee	83.70	52.40
		For Silver Solder Instead Of 95/5 Solder, Add	*12.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.78*	
		For Work In Restricted Working Space, Add	*23.56*	
22 11 16 00-0524	EA	1" Diameter, Reducing Copper Tee	111.19	63.23
		For Silver Solder Instead Of 95/5 Solder, Add	*15.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.22*	
		For Work In Restricted Working Space, Add	*28.43*	
22 11 16 00-0525	EA	1-1/4" Diameter, Reducing Copper Tee	127.81	68.65
		For Silver Solder Instead Of 95/5 Solder, Add	*16.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.44*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0526	EA	1-1/2" Diameter, Reducing Copper Tee	147.58	75.02
		For Silver Solder Instead Of 95/5 Solder, Add	*18.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.86*	
		For Work In Restricted Working Space, Add	*33.72*	
22 11 16 00-0527	EA	2" Diameter, Reducing Copper Tee	176.81	83.96
		For Silver Solder Instead Of 95/5 Solder, Add	*21.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.89*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0528	EA	2-1/2" Diameter, Reducing Copper Tee	252.68	86.54
		For Silver Solder Instead Of 95/5 Solder, Add	*25.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.45*	
		For Work In Restricted Working Space, Add	*38.91*	
22 11 16 00-0529	EA	3" Diameter, Reducing Copper Tee	351.60	99.76
		For Silver Solder Instead Of 95/5 Solder, Add	*32.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.45*	
		For Work In Restricted Working Space, Add	*44.89*	
22 11 16 00-0530	EA	4" Diameter, Reducing Copper Tee	609.71	123.08
		For Silver Solder Instead Of 95/5 Solder, Add	*48.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.68*	
		For Work In Restricted Working Space, Add	*55.37*	
22 11 16 00-0531		**Copper Couplings** *(22 11 16 00-0458)*		
22 11 16 00-0532	EA	1/4" Diameter, Copper Coupling	23.17	15.03
		For Silver Solder Instead Of 95/5 Solder, Add	*3.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.37*	
		For Work In Restricted Working Space, Add	*6.74*	
22 11 16 00-0533	EA	3/8" Diameter, Copper Coupling	27.90	18.01
		For Silver Solder Instead Of 95/5 Solder, Add	*4.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.05*	
		For Work In Restricted Working Space, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0534	EA	1/2" Diameter, Copper Coupling	37.85	24.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.56*	
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-0535	EA	3/4" Diameter, Copper Coupling	47.63	30.74
		For Silver Solder Instead Of 95/5 Solder, Add	*6.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.91*	
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0536	EA	1" Diameter, Copper Coupling	58.13	36.69
		For Silver Solder Instead Of 95/5 Solder, Add	*8.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.52*	
22 11 16 00-0537	EA	1-1/4" Diameter, Copper Coupling	64.95	39.68
		For Silver Solder Instead Of 95/5 Solder, Add	*9.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.93*	
		For Work In Restricted Working Space, Add	*17.87*	
22 11 16 00-0538	EA	1-1/2" Diameter, Copper Coupling	72.32	43.46
		For Silver Solder Instead Of 95/5 Solder, Add	*10.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.78*	
		For Work In Restricted Working Space, Add	*19.55*	
22 11 16 00-0539	EA	2" Diameter, Copper Coupling	84.92	48.61
		For Silver Solder Instead Of 95/5 Solder, Add	*11.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.96*	
		For Work In Restricted Working Space, Add	*21.92*	
22 11 16 00-0540	EA	2-1/2" Diameter, Copper Coupling	102.06	49.13
		For Silver Solder Instead Of 95/5 Solder, Add	*12.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.07*	
		For Work In Restricted Working Space, Add	*22.15*	
22 11 16 00-0541	EA	3" Diameter, Copper Coupling	129.79	60.85
		For Silver Solder Instead Of 95/5 Solder, Add	*15.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.70*	
		For Work In Restricted Working Space, Add	*27.41*	
22 11 16 00-0542	EA	4" Diameter, Copper Coupling	214.11	86.17
		For Silver Solder Instead Of 95/5 Solder, Add	*23.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.42*	
		For Work In Restricted Working Space, Add	*38.83*	
22 11 16 00-0543	EA	5" Diameter, Copper Coupling	363.90	124.82
		For Silver Solder Instead Of 95/5 Solder, Add	*36.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.11*	
		For Work In Restricted Working Space, Add	*56.23*	
22 11 16 00-0544	EA	6" Diameter, Copper Coupling	564.34	181.69
		For Silver Solder Instead Of 95/5 Solder, Add	*55.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.91*	
		For Work In Restricted Working Space, Add	*81.82*	
22 11 16 00-0545	EA	8" Diameter, Copper Coupling	1,308.93	242.17
		For Silver Solder Instead Of 95/5 Solder, Add	*101.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-83.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*54.54*	
		For Work In Restricted Working Space, Add	*109.09*	

22 11 16 00-0546 Reducing Copper Couplings *(22 11 16 00-0458)*

22 11 16 00-0547	EA	3/8" Diameter, Reducing Copper Coupling	26.24	16.51
		For Silver Solder Instead Of 95/5 Solder, Add	*3.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.42*	
22 11 16 00-0548	EA	1/2" Diameter, Reducing Copper Coupling	33.62	21.40
		For Silver Solder Instead Of 95/5 Solder, Add	*4.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.81*	
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0549	EA	3/4" Diameter, Reducing Copper Coupling	44.31	27.76
		For Silver Solder Instead Of 95/5 Solder, Add	*6.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.24*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0550	EA	1" Diameter, Reducing Copper Coupling	55.50	33.72
		For Silver Solder Instead Of 95/5 Solder, Add	*7.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.59*	
		For Work In Restricted Working Space, Add	*15.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0551	EA	1-1/4" Diameter, Reducing Copper Coupling	64.19	38.19
		For Silver Solder Instead Of 95/5 Solder, Add	*8.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.20*	
22 11 16 00-0552	EA	1-1/2" Diameter, Reducing Copper Coupling	73.77	41.57
		For Silver Solder Instead Of 95/5 Solder, Add	*9.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.36*	
		For Work In Restricted Working Space, Add	*18.72*	
22 11 16 00-0553	EA	2" Diameter, Reducing Copper Coupling	86.73	46.03
		For Silver Solder Instead Of 95/5 Solder, Add	*11.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.37*	
		For Work In Restricted Working Space, Add	*20.74*	
22 11 16 00-0554	EA	2-1/2" Diameter, Reducing Copper Coupling	112.45	47.01
		For Silver Solder Instead Of 95/5 Solder, Add	*12.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.58*	
		For Work In Restricted Working Space, Add	*21.17*	
22 11 16 00-0555	EA	3" Diameter, Reducing Copper Coupling	134.38	55.00
		For Silver Solder Instead Of 95/5 Solder, Add	*14.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.39*	
		For Work In Restricted Working Space, Add	*24.78*	
22 11 16 00-0556	EA	4" Diameter, Reducing Copper Coupling	213.23	73.57
		For Silver Solder Instead Of 95/5 Solder, Add	*21.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.56*	
		For Work In Restricted Working Space, Add	*33.12*	
22 11 16 00-0557	EA	5" Diameter, Reducing Copper Coupling	556.67	103.01
		For Silver Solder Instead Of 95/5 Solder, Add	*43.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.19*	
		For Work In Restricted Working Space, Add	*46.37*	
22 11 16 00-0558	EA	6" Diameter, Reducing Copper Coupling	819.88	131.31
		For Silver Solder Instead Of 95/5 Solder, Add	*60.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.58*	
		For Work In Restricted Working Space, Add	*59.16*	
22 11 16 00-0559	EA	8" Diameter, Reducing Copper Coupling	1,638.00	211.74
		For Silver Solder Instead Of 95/5 Solder, Add	*113.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-97.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*47.70*	
		For Work In Restricted Working Space, Add	*95.40*	

22 11 16 00-0560 Male Copper Adapters *(22 11 16 00-0458)*

22 11 16 00-0561	EA	1/4" Diameter, Male Copper Adapter	39.28	17.60
		For Silver Solder Instead Of 95/5 Solder, Add	*4.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.06*	
		For Work In Restricted Working Space, Add	*8.12*	
22 11 16 00-0562	EA	3/8" Diameter, Male Copper Adapter	38.58	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0563	EA	1/2" Diameter, Male Copper Adapter	43.10	27.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.09*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0564	EA	3/4" Diameter, Male Copper Adapter	54.28	33.86
		For Silver Solder Instead Of 95/5 Solder, Add	*7.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.52*	
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0565	EA	1" Diameter, Male Copper Adapter	68.84	39.26
		For Silver Solder Instead Of 95/5 Solder, Add	*9.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.73*	
		For Work In Restricted Working Space, Add	*17.47*	
22 11 16 00-0566	EA	1-1/4" Diameter, Male Copper Adapter	83.16	44.68
		For Silver Solder Instead Of 95/5 Solder, Add	*10.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0567	EA	1-1/2" Diameter, Male Copper Adapter	95.28	51.45
		For Silver Solder Instead Of 95/5 Solder, Add	*12.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.58*	
		For Work In Restricted Working Space, Add	*23.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0568	EA	2" Diameter, Male Copper Adapter	129.47	65.68
		For Silver Solder Instead Of 95/5 Solder, Add	*16.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.83*	
		For Work In Restricted Working Space, Add	*29.66*	
22 11 16 00-0569	EA	2-1/2" Diameter, Male Copper Adapter	239.97	85.31
		For Silver Solder Instead Of 95/5 Solder, Add	*24.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.09*	
		For Work In Restricted Working Space, Add	*38.19*	
22 11 16 00-0570	EA	3" Diameter, Male Copper Adapter	318.77	113.79
		For Silver Solder Instead Of 95/5 Solder, Add	*32.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.44*	
		For Work In Restricted Working Space, Add	*50.88*	
22 11 16 00-0571	EA	4" Diameter, Male Copper Adapter	478.00	159.62
		For Silver Solder Instead Of 95/5 Solder, Add	*47.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*35.91*	
		For Work In Restricted Working Space, Add	*71.83*	
22 11 16 00-0572		**Female Copper Adapters** *(22 11 16 00-0458)*		
22 11 16 00-0573	EA	1/4" Diameter, Female Copper Adapter	34.87	17.60
		For Silver Solder Instead Of 95/5 Solder, Add	*4.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.06*	
		For Work In Restricted Working Space, Add	*8.12*	
22 11 16 00-0574	EA	3/8" Diameter, Female Copper Adapter	40.66	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0575	EA	1/2" Diameter, Female Copper Adapter	44.58	27.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.09*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0576	EA	3/4" Diameter, Female Copper Adapter	55.49	33.86
		For Silver Solder Instead Of 95/5 Solder, Add	*7.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.52*	
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0577	EA	1" Diameter, Female Copper Adapter	70.55	39.26
		For Silver Solder Instead Of 95/5 Solder, Add	*9.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.73*	
		For Work In Restricted Working Space, Add	*17.47*	
22 11 16 00-0578	EA	1-1/4" Diameter, Female Copper Adapter	85.79	44.68
		For Silver Solder Instead Of 95/5 Solder, Add	*11.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0579	EA	1-1/2" Diameter, Female Copper Adapter	105.51	51.45
		For Silver Solder Instead Of 95/5 Solder, Add	*12.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.58*	
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0580	EA	2" Diameter, Female Copper Adapter	137.26	65.68
		For Silver Solder Instead Of 95/5 Solder, Add	*16.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.83*	
		For Work In Restricted Working Space, Add	*29.66*	
22 11 16 00-0581	EA	2-1/2" Diameter, Female Copper Adapter	276.22	78.56
		For Silver Solder Instead Of 95/5 Solder, Add	*25.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.58*	
		For Work In Restricted Working Space, Add	*35.17*	
22 11 16 00-0582	EA	3" Diameter, Female Copper Adapter	437.43	113.79
		For Silver Solder Instead Of 95/5 Solder, Add	*38.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.44*	
		For Work In Restricted Working Space, Add	*50.88*	
22 11 16 00-0583		**Wrot Copper, Solder Union** *(22 11 16 00-0458)*		
22 11 16 00-0584	EA	1/4" Diameter, Wrot Copper, Solder Union	51.26	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*5.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0585	EA	3/8" Diameter, Wrot Copper, Solder Union	58.59	26.13
		For Silver Solder Instead Of 95/5 Solder, Add	*6.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0586	EA	1/2" Diameter, Wrot Copper, Solder Union	60.69	32.50
		For Silver Solder Instead Of 95/5 Solder, Add	*7.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0587	EA	3/4" Diameter, Wrot Copper, Solder Union	70.21	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*9.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0588	EA	1" Diameter, Wrot Copper, Solder Union	91.59	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*11.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0589	EA	1-1/4" Diameter, Wrot Copper, Solder Union	109.67	48.75
		For Silver Solder Instead Of 95/5 Solder, Add	*12.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.97*	
		For Work In Restricted Working Space, Add	*21.94*	
22 11 16 00-0590	EA	1-1/2" Diameter, Wrot Copper, Solder Union	132.78	54.17
		For Silver Solder Instead Of 95/5 Solder, Add	*14.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.19*	
		For Work In Restricted Working Space, Add	*24.37*	
22 11 16 00-0591	EA	2" Diameter, Wrot Copper, Solder Union	185.36	65.00
		For Silver Solder Instead Of 95/5 Solder, Add	*19.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.63*	
		For Work In Restricted Working Space, Add	*29.25*	
22 11 16 00-0592	EA	2-1/2" Diameter, Wrot Copper, Solder Union	346.84	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*28.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	
22 11 16 00-0593	EA	3" Diameter, Wrot Copper, Solder Union	772.13	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*53.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.82*	
		For Work In Restricted Working Space, Add	*45.64*	

22 11 16 00-0594 Cast Bronze, Solder Union *(22 11 16 00-0458)*

22 11 16 00-0595	EA	1/4" Diameter, Cast Bronze, Solder Union	58.17	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*6.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0596	EA	3/8" Diameter, Cast Bronze, Solder Union	65.11	26.13
		For Silver Solder Instead Of 95/5 Solder, Add	*7.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.78*	
22 11 16 00-0597	EA	1/2" Diameter, Cast Bronze, Solder Union	62.51	32.50
		For Silver Solder Instead Of 95/5 Solder, Add	*8.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0598	EA	3/4" Diameter, Cast Bronze, Solder Union	72.78	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*9.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0599	EA	1" Diameter, Cast Bronze, Solder Union	96.05	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*11.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0600	EA	1-1/4" Diameter, Cast Bronze, Solder Union	121.86	48.75
		For Silver Solder Instead Of 95/5 Solder, Add	*13.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.97*	
		For Work In Restricted Working Space, Add	*21.94*	
22 11 16 00-0601	EA	1-1/2" Diameter, Cast Bronze, Solder Union	145.49	54.17
		For Silver Solder Instead Of 95/5 Solder, Add	*15.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.19*	
		For Work In Restricted Working Space, Add	*24.37*	
22 11 16 00-0602	EA	2" Diameter, Cast Bronze, Solder Union	207.00	65.00
		For Silver Solder Instead Of 95/5 Solder, Add	*20.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.63*	
		For Work In Restricted Working Space, Add	*29.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0603	EA	2-1/2" Diameter, Cast Bronze, Solder Union	346.82	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*28.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	
22 11 16 00-0604	EA	3" Diameter, Cast Bronze, Solder Union	772.13	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*53.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.82*	
		For Work In Restricted Working Space, Add	*45.64*	

22 11 16 00-0605 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0606	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	67.51	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*6.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0607	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	75.49	26.13
		For Silver Solder Instead Of 95/5 Solder, Add	*7.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.78*	
22 11 16 00-0608	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	77.52	32.50
		For Silver Solder Instead Of 95/5 Solder, Add	*8.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0609	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	94.74	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*10.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0610	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	147.93	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*14.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0611	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	225.16	48.75
		For Silver Solder Instead Of 95/5 Solder, Add	*18.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.97*	
		For Work In Restricted Working Space, Add	*21.94*	
22 11 16 00-0612	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	273.85	54.17
		For Silver Solder Instead Of 95/5 Solder, Add	*21.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.19*	
		For Work In Restricted Working Space, Add	*24.37*	
22 11 16 00-0613	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	423.54	65.00
		For Silver Solder Instead Of 95/5 Solder, Add	*30.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.63*	
		For Work In Restricted Working Space, Add	*29.25*	
22 11 16 00-0614	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	725.31	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*46.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	

22 11 16 00-0615 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0616	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	59.17	21.67
		For Silver Solder Instead Of 95/5 Solder, Add	*6.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0617	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	70.39	26.13
		For Silver Solder Instead Of 95/5 Solder, Add	*7.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.78*	
22 11 16 00-0618	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	71.46	32.50
		For Silver Solder Instead Of 95/5 Solder, Add	*8.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0619	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	89.61	37.11
		For Silver Solder Instead Of 95/5 Solder, Add	*10.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.33*	
		For Work In Restricted Working Space, Add	*16.66*	
22 11 16 00-0620	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	150.28	44.28
		For Silver Solder Instead Of 95/5 Solder, Add	*14.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0621	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	177.24	48.75
		For Silver Solder Instead Of 95/5 Solder, Add	*16.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.97*	
		For Work In Restricted Working Space, Add	*21.94*	
22 11 16 00-0622	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	190.60	54.17
		For Silver Solder Instead Of 95/5 Solder, Add	*17.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.19*	
		For Work In Restricted Working Space, Add	*24.37*	
22 11 16 00-0623	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	265.48	65.00
		For Silver Solder Instead Of 95/5 Solder, Add	*23.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.63*	
		For Work In Restricted Working Space, Add	*29.25*	
22 11 16 00-0624	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	599.52	71.58
		For Silver Solder Instead Of 95/5 Solder, Add	*40.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.09*	
		For Work In Restricted Working Space, Add	*32.18*	
22 11 16 00-0625		**Copper Caps** *(22 11 16 00-0458)*		
22 11 16 00-0626	EA	1/4" Diameter, Copper Cap	9.99	5.96
		For Silver Solder Instead Of 95/5 Solder, Add	*1.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.34*	
		For Work In Restricted Working Space, Add	*2.68*	
22 11 16 00-0627	EA	3/8" Diameter, Copper Cap	12.40	7.04
		For Silver Solder Instead Of 95/5 Solder, Add	*1.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.22*	
22 11 16 00-0628	EA	1/2" Diameter, Copper Cap	15.61	9.75
		For Silver Solder Instead Of 95/5 Solder, Add	*2.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.21*	
		For Work In Restricted Working Space, Add	*4.43*	
22 11 16 00-0629	EA	3/4" Diameter, Copper Cap	19.93	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*2.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.75*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0630	EA	1" Diameter, Copper Cap	25.67	14.49
		For Silver Solder Instead Of 95/5 Solder, Add	*3.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.57*	
22 11 16 00-0631	EA	1-1/4" Diameter, Copper Cap	28.75	15.58
		For Silver Solder Instead Of 95/5 Solder, Add	*3.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.55*	
		For Work In Restricted Working Space, Add	*7.11*	
22 11 16 00-0632	EA	1-1/2" Diameter, Copper Cap	33.29	17.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.89*	
		For Work In Restricted Working Space, Add	*7.78*	
22 11 16 00-0633	EA	2" Diameter, Copper Cap	40.37	17.71
		For Silver Solder Instead Of 95/5 Solder, Add	*4.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.01*	
		For Work In Restricted Working Space, Add	*8.03*	
22 11 16 00-0634	EA	2-1/2" Diameter, Copper Cap	78.62	20.70
		For Silver Solder Instead Of 95/5 Solder, Add	*7.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.71*	
		For Work In Restricted Working Space, Add	*9.43*	
22 11 16 00-0635	EA	3" Diameter, Copper Cap	107.81	26.56
		For Silver Solder Instead Of 95/5 Solder, Add	*9.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.03*	
		For Work In Restricted Working Space, Add	*12.07*	
22 11 16 00-0636	EA	4" Diameter, Copper Cap	188.41	40.16
		For Silver Solder Instead Of 95/5 Solder, Add	*15.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.13*	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0637	EA	5" Diameter, Cast Bronze Cap	990.39	61.85
		For Silver Solder Instead Of 95/5 Solder, Add	*58.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-54.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.06*	
		For Work In Restricted Working Space, Add	*28.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0638	EA	6" Diameter, Cast Bronze Cap	1,922.86	90.04
		For Silver Solder Instead Of 95/5 Solder, Add	*109.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-102.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.45*	
		For Work In Restricted Working Space, Add	*40.91*	
22 11 16 00-0639	EA	8" Diameter, Cast Bronze Cap	2,449.16	119.97
		For Silver Solder Instead Of 95/5 Solder, Add	*140.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-131.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.27*	
		For Work In Restricted Working Space, Add	*54.55*	

22 11 16 00-0640 Copper Crosses *(22 11 16 00-0458)*

22 11 16 00-0641	EA	1/2" Diameter, Copper Cross	95.87	54.87
		For Silver Solder Instead Of 95/5 Solder, Add	*13.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.35*	
		For Work In Restricted Working Space, Add	*24.69*	
22 11 16 00-0642	EA	3/4" Diameter, Copper Cross	128.62	68.21
		For Silver Solder Instead Of 95/5 Solder, Add	*16.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.34*	
		For Work In Restricted Working Space, Add	*30.68*	
22 11 16 00-0643	EA	1" Diameter, Copper Cross	167.00	81.43
		For Silver Solder Instead Of 95/5 Solder, Add	*20.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.33*	
		For Work In Restricted Working Space, Add	*36.66*	
22 11 16 00-0644	EA	1-1/4" Diameter, Copper Cross	196.56	88.17
		For Silver Solder Instead Of 95/5 Solder, Add	*23.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.83*	
		For Work In Restricted Working Space, Add	*39.65*	
22 11 16 00-0645	EA	1-1/2" Diameter, Copper Cross	236.42	96.39
		For Silver Solder Instead Of 95/5 Solder, Add	*26.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.70*	
		For Work In Restricted Working Space, Add	*43.40*	
22 11 16 00-0646	EA	2" Diameter, Copper Cross	335.46	108.12
		For Silver Solder Instead Of 95/5 Solder, Add	*32.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.32*	
		For Work In Restricted Working Space, Add	*48.63*	
22 11 16 00-0647	EA	2-1/2" Diameter, Copper Cross	579.16	119.71
		For Silver Solder Instead Of 95/5 Solder, Add	*46.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.94*	
		For Work In Restricted Working Space, Add	*53.87*	

22 11 16 00-0648 Cast Bronze Crosses *(22 11 16 00-0458)*

22 11 16 00-0649	EA	3/8" Diameter, Cast Bronze Cross	77.94	39.90
		For Silver Solder Instead Of 95/5 Solder, Add	*9.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.98*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0650	EA	1/2" Diameter, Cast Bronze Cross	98.58	54.87
		For Silver Solder Instead Of 95/5 Solder, Add	*13.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.35*	
		For Work In Restricted Working Space, Add	*24.69*	
22 11 16 00-0651	EA	3/4" Diameter, Cast Bronze Cross	133.89	68.21
		For Silver Solder Instead Of 95/5 Solder, Add	*16.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.34*	
		For Work In Restricted Working Space, Add	*30.68*	
22 11 16 00-0652	EA	1" Diameter, Cast Bronze Cross	175.95	81.43
		For Silver Solder Instead Of 95/5 Solder, Add	*21.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.33*	
		For Work In Restricted Working Space, Add	*36.66*	
22 11 16 00-0653	EA	1-1/4" Diameter, Cast Bronze Cross	209.43	88.17
		For Silver Solder Instead Of 95/5 Solder, Add	*23.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.83*	
		For Work In Restricted Working Space, Add	*39.65*	
22 11 16 00-0654	EA	1-1/2" Diameter, Cast Bronze Cross	254.77	96.39
		For Silver Solder Instead Of 95/5 Solder, Add	*27.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.70*	
		For Work In Restricted Working Space, Add	*43.40*	
22 11 16 00-0655	EA	2" Diameter, Cast Bronze Cross	402.81	108.12
		For Silver Solder Instead Of 95/5 Solder, Add	*36.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.32*	
		For Work In Restricted Working Space, Add	*48.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0656	EA	2-1/2" Diameter, Cast Bronze Cross	659.08	119.71
		For Silver Solder Instead Of 95/5 Solder, Add	*50.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.94*	
		For Work In Restricted Working Space, Add	*53.87*	
22 11 16 00-0657		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0458)*		
22 11 16 00-0658	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	99.98	37.11
22 11 16 00-0659	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	105.33	37.11
22 11 16 00-0660	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	90.36	37.11
22 11 16 00-0661	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	96.42	37.11
22 11 16 00-0662	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	101.77	37.11
22 11 16 00-0663	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	105.33	37.11
22 11 16 00-0664		**Crimped Copper Fittings** *(22 11 16 00-0390)* Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0665		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0664)*		
22 11 16 00-0666	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	27.79	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0667	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	33.56	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0668	EA	1" Diameter, Crimped Copper 90 Degree Elbow	44.77	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0669	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	59.99	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0670	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	85.00	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0671	EA	2" Diameter, Crimped Copper 90 Degree Elbow	110.41	32.50
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0672	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	235.98	37.91
		For Work In Restricted Working Space, Add	*17.06*	
22 11 16 00-0673	EA	3" Diameter, Crimped Copper 90 Degree Elbow	293.05	45.10
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0674	EA	4" Diameter, Crimped Copper 90 Degree Elbow	368.17	59.58
		For Work In Restricted Working Space, Add	*26.81*	
22 11 16 00-0675		**Crimped Copper 45 Degree Elbows** *(22 11 16 00-0664)*		
22 11 16 00-0676	EA	1/2" Diameter, Crimped Copper 45 Degree Elbow	28.35	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0677	EA	3/4" Diameter, Crimped Copper 45 Degree Elbow	32.65	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0678	EA	1" Diameter, Crimped Copper 45 Degree Elbow	48.88	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0679	EA	1-1/4" Diameter, Crimped Copper 45 Degree Elbow	59.09	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0680	EA	1-1/2" Diameter, Crimped Copper 45 Degree Elbow	77.15	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0681	EA	2" Diameter, Crimped Copper 45 Degree Elbow	99.83	32.50
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0682	EA	2-1/2" Diameter, Crimped Copper 45 Degree Elbow	175.19	37.91
		For Work In Restricted Working Space, Add	*17.06*	
22 11 16 00-0683	EA	3" Diameter, Crimped Copper 45 Degree Elbow	236.74	45.10
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0684	EA	4" Diameter, Crimped Copper 45 Degree Elbow	324.13	59.58
		For Work In Restricted Working Space, Add	*26.81*	
22 11 16 00-0685		**Crimped Copper Straight Tees** *(22 11 16 00-0664)*		
22 11 16 00-0686	EA	1/2" Diameter, Crimped Copper Straight Tee	41.79	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0687	EA	3/4" Diameter, Crimped Copper Straight Tee	57.28	32.09
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0688	EA	1" Diameter, Crimped Copper Straight Tee	70.10	35.61
		For Work In Restricted Working Space, Add	*16.05*	
22 11 16 00-0689	EA	1-1/4" Diameter, Crimped Copper Straight Tee	82.94	36.56
		For Work In Restricted Working Space, Add	*16.45*	
22 11 16 00-0690	EA	1-1/2" Diameter, Crimped Copper Straight Tee	116.90	41.57
		For Work In Restricted Working Space, Add	*18.69*	
22 11 16 00-0691	EA	2" Diameter, Crimped Copper Straight Tee	140.58	48.75
		For Work In Restricted Working Space, Add	*21.94*	
22 11 16 00-0692	EA	2-1/2" Diameter, Crimped Copper Straight Tee	306.61	56.87
		For Work In Restricted Working Space, Add	*25.59*	
22 11 16 00-0693	EA	3" Diameter, Crimped Copper Straight Tee	378.16	67.70
		For Work In Restricted Working Space, Add	*30.47*	
22 11 16 00-0694	EA	4" Diameter, Crimped Copper Straight Tee	522.19	89.37
		For Work In Restricted Working Space, Add	*40.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0695		**Crimped Copper Reducing Tees** *(22 11 16 00-0664)*		
22 11 16 00-0696	EA	3/4" Diameter, Crimped Copper Reducing Tee	49.02	23.15
		For Work In Restricted Working Space, Add	*10.44*	
22 11 16 00-0697	EA	1" Diameter, Crimped Copper Reducing Tee	70.89	30.47
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-0698	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	76.49	33.86
		For Work In Restricted Working Space, Add	*15.23*	
22 11 16 00-0699	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	100.60	34.80
		For Work In Restricted Working Space, Add	*15.64*	
22 11 16 00-0700	EA	2" Diameter, Crimped Copper Reducing Tee	120.49	39.41
		For Work In Restricted Working Space, Add	*17.75*	
22 11 16 00-0701	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	327.66	44.68
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0702	EA	3" Diameter, Crimped Copper Reducing Tee	399.48	54.17
		For Work In Restricted Working Space, Add	*24.37*	
22 11 16 00-0703	EA	4" Diameter, Crimped Copper Reducing Tee	470.39	72.17
		For Work In Restricted Working Space, Add	*32.50*	
22 11 16 00-0704		**Crimped Copper Couplings** *(22 11 16 00-0664)*		
22 11 16 00-0705	EA	1/2" Diameter, Crimped Copper Coupling	27.45	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0706	EA	3/4" Diameter, Crimped Copper Coupling	32.43	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0707	EA	1" Diameter, Crimped Copper Coupling	42.61	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0708	EA	1-1/4" Diameter, Crimped Copper Coupling	48.28	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0709	EA	1-1/2" Diameter, Crimped Copper Coupling	62.47	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0710	EA	2" Diameter, Crimped Copper Coupling	76.63	32.50
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0711	EA	2-1/2" Diameter, Crimped Copper Coupling	146.08	37.91
		For Work In Restricted Working Space, Add	*17.06*	
22 11 16 00-0712	EA	3" Diameter, Crimped Copper Coupling	181.31	45.10
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0713	EA	4" Diameter, Crimped Copper Coupling	247.12	59.58
		For Work In Restricted Working Space, Add	*26.81*	
22 11 16 00-0714		**Crimped Copper Reducing Couplings** *(22 11 16 00-0664)*		
22 11 16 00-0715	EA	3/4" Diameter, Crimped Copper Reducing Coupling	37.15	15.44
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0716	EA	1" Diameter, Crimped Copper Reducing Coupling	42.45	17.60
		For Work In Restricted Working Space, Add	*7.92*	
22 11 16 00-0717	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	54.88	20.98
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0718	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	69.15	23.15
		For Work In Restricted Working Space, Add	*10.44*	
22 11 16 00-0719	EA	2" Diameter, Crimped Copper Reducing Coupling	77.27	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0720	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	151.41	30.74
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0721	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	188.58	36.16
		For Work In Restricted Working Space, Add	*16.25*	
22 11 16 00-0722	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	245.19	47.80
		For Work In Restricted Working Space, Add	*21.53*	
22 11 16 00-0723		**Crimped Copper Male Adapters** *(22 11 16 00-0664)*		
22 11 16 00-0724	EA	1/2" Diameter, Crimped Copper Male Adapter	28.13	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0725	EA	3/4" Diameter, Crimped Copper Male Adapter	34.58	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0726	EA	1" Diameter, Crimped Copper Male Adapter	45.68	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0727	EA	1-1/4" Diameter, Crimped Copper Male Adapter	63.97	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0728	EA	1-1/2" Diameter, Crimped Copper Male Adapter	79.08	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0729	EA	2" Diameter, Crimped Copper Male Adapter	122.81	32.50
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0730	EA	2-1/2" Diameter, Crimped Copper Male Adapter	235.98	37.91
		For Work In Restricted Working Space, Add	*17.06*	
22 11 16 00-0731	EA	3" Diameter, Crimped Copper Male Adapter	293.05	45.10
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0732	EA	4" Diameter, Crimped Copper Male Adapter	350.22	59.58
		For Work In Restricted Working Space, Add	*26.81*	
22 11 16 00-0733		**Crimped Copper Female Adapters** *(22 11 16 00-0664)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0734	EA	1/2" Diameter, Crimped Copper Female Adapter	28.92	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0735	EA	3/4" Diameter, Crimped Copper Female Adapter	35.16	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0736	EA	1" Diameter, Crimped Copper Female Adapter	46.83	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0737	EA	1-1/4" Diameter, Crimped Copper Female Adapter	67.39	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0738	EA	1-1/2" Diameter, Crimped Copper Female Adapter	85.46	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0739	EA	2" Diameter, Crimped Copper Female Adapter	124.86	32.50
		For Work In Restricted Working Space, Add	*14.63*	

22 11 16 00-0740 Crimped Copper Caps *(22 11 16 00-0664)*

22 11 16 00-0741	EA	1/2" Diameter, Crimped Copper Cap	18.79	8.12
		For Work In Restricted Working Space, Add	*3.66*	
22 11 16 00-0742	EA	3/4" Diameter, Crimped Copper Cap	25.35	9.48
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0743	EA	1" Diameter, Crimped Copper Cap	33.43	10.84
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0744	EA	1-1/4" Diameter, Crimped Copper Cap	37.73	12.19
		For Work In Restricted Working Space, Add	*5.48*	
22 11 16 00-0745	EA	1-1/2" Diameter, Crimped Copper Cap	51.13	13.94
		For Work In Restricted Working Space, Add	*6.29*	
22 11 16 00-0746	EA	2" Diameter, Crimped Copper Cap	61.00	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0747	EA	2-1/2" Diameter, Crimped Copper Cap	145.56	18.96
		For Work In Restricted Working Space, Add	*8.53*	
22 11 16 00-0748	EA	3" Diameter, Crimped Copper Cap	182.08	22.61
		For Work In Restricted Working Space, Add	*10.16*	
22 11 16 00-0749	EA	4" Diameter, Crimped Copper Cap	242.20	29.79
		For Work In Restricted Working Space, Add	*13.40*	

22 11 16 00-0750 C x F NPT Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0751	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	52.52	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0752	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	65.56	27.22
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0753	EA	1" Diameter, C x F NPT Crimped Bronze Union	90.07	32.64
		For Work In Restricted Working Space, Add	*14.66*	
22 11 16 00-0754	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	108.71	37.64
		For Work In Restricted Working Space, Add	*16.98*	
22 11 16 00-0755	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	137.16	36.83
		For Work In Restricted Working Space, Add	*16.57*	
22 11 16 00-0756	EA	2" Diameter, C x F NPT Crimped Bronze Union	188.42	53.35
		For Work In Restricted Working Space, Add	*23.97*	

22 11 16 00-0757 C x C Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0758	EA	1/2" Diameter, C x C Bronze Crimped Union	48.49	16.25
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0759	EA	3/4" Diameter, C x C Bronze Crimped Union	59.38	18.55
		For Work In Restricted Working Space, Add	*8.33*	
22 11 16 00-0760	EA	1" Diameter, C x C Bronze Crimped Union	83.68	22.07
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0761	EA	1-1/4" Diameter, C x C Bronze Crimped Union	108.69	24.37
		For Work In Restricted Working Space, Add	*10.97*	
22 11 16 00-0762	EA	1-1/2" Diameter, C x C Bronze Crimped Union	138.58	27.08
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0763	EA	2" Diameter, C x C Bronze Crimped Union	208.71	32.50
		For Work In Restricted Working Space, Add	*14.63*	

22 11 16 00-0764 C x Flange Crimped Bronze Flange *(22 11 16 00-0664)*

22 11 16 00-0765	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	399.36	37.91
		For Work In Restricted Working Space, Add	*17.06*	
22 11 16 00-0766	EA	3" Diameter, C x Flange Crimped Bronze Flange	436.33	45.10
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0767	EA	4" Diameter, C x Flange Crimped Bronze Flange	502.04	59.58
		For Work In Restricted Working Space, Add	*26.81*	

22 11 16 00-0768 Field Installed FKM Seals *(22 11 16 00-0664)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0769	EA	1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.02	
		For Work In Restricted Working Space, Add	*1.83*	
22 11 16 00-0770	EA	3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	10.07	
		For Work In Restricted Working Space, Add	*2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0771	EA	1" Diameter, Field Installed FKM Seal	11.54	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.44*	
22 11 16 00-0772	EA	1-1/4" Diameter, Field Installed FKM Seal	13.24	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.74*	
22 11 16 00-0773	EA	1-1/2" Diameter, Field Installed FKM Seal	18.23	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.15*	
22 11 16 00-0774	EA	2" Diameter, Field Installed FKM Seal	20.38	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.66*	
22 11 16 00-0775	EA	2-1/2" Diameter, Field Installed FKM Seal	29.80	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-0776	EA	3" Diameter, Field Installed FKM Seal	34.33	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*5.08*	
22 11 16 00-0777	EA	4" Diameter, Field Installed FKM Seal	46.69	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*6.71*	

22 11 16 00-0778 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0390)*

22 11 16 00-0779	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	13.54	
22 11 16 00-0780	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.63	
22 11 16 00-0781	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.45	
22 11 16 00-0782	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	17.26	
22 11 16 00-0783	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	18.28	
22 11 16 00-0784	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	20.12	
22 11 16 00-0785	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	21.67	
22 11 16 00-0786	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	25.59	
22 11 16 00-0787	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	34.53	
22 11 16 00-0788	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	49.34	
22 11 16 00-0789	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	65.81	

22 11 16 00-0790 Sweat Brass Companion Flanges *(22 11 16 00-0390)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0791	EA	1" Diameter, Sweat Brass Companion Flange	68.60	20.83
22 11 16 00-0792	EA	1-1/4" Diameter, Sweat Brass Companion Flange	74.94	22.95
22 11 16 00-0793	EA	1-1/2" Diameter, Sweat Brass Companion Flange	105.17	24.94
22 11 16 00-0794	EA	2" Diameter, Sweat Brass Companion Flange	139.29	27.68
22 11 16 00-0795	EA	2-1/2" Diameter, Sweat Brass Companion Flange	195.41	33.29
22 11 16 00-0796	EA	3" Diameter, Sweat Brass Companion Flange	216.07	43.65
22 11 16 00-0797	EA	4" Diameter, Sweat Brass Companion Flange	288.10	52.00
22 11 16 00-0798	EA	5" Diameter, Sweat Brass Companion Flange	539.10	60.88
22 11 16 00-0799	EA	6" Diameter, Sweat Brass Companion Flange	623.36	88.47
22 11 16 00-0800	EA	8" Diameter, Copper Companion Flange	1,430.30	126.19

22 11 16 00-0801 Brass Compression Fittings *(22 11 16 00-0390)*

22 11 16 00-0802 Brass Compression Unions *(22 11 16 00-0801)*

22 11 16 00-0803	EA	1/4" Diameter, Brass Compression Union	23.15	14.63
22 11 16 00-0804	EA	3/8" Diameter, Brass Compression Union	23.48	14.63
22 11 16 00-0805	EA	1/2" Diameter, Brass Compression Union	24.49	14.63
22 11 16 00-0806	EA	5/8" Diameter, Brass Compression Union	24.97	14.63
22 11 16 00-0807	EA	3/4" Diameter, Brass Compression Union	33.81	14.63
22 11 16 00-0808	EA	3/8" x 1/4" Diameter, Brass Compression Union	23.71	14.63
22 11 16 00-0809	EA	1/2" x 3/8" Diameter, Brass Compression Union	24.57	14.63
22 11 16 00-0810	EA	5/8" x 3/8" Diameter, Brass Compression Union	25.17	14.63
22 11 16 00-0811	EA	5/8" x 1/2" Diameter, Brass Compression Union	26.13	14.63

22 11 16 00-0812 Brass Compression Union Elbows *(22 11 16 00-0801)*

22 11 16 00-0813	EA	1/4" Diameter, Brass Compression Union Elbow	24.49	14.63
22 11 16 00-0814	EA	3/8" Diameter, Brass Compression Union Elbow	25.04	14.63
22 11 16 00-0815	EA	1/2" Diameter, Brass Compression Union Elbow	26.24	14.63
22 11 16 00-0816	EA	5/8" Diameter, Brass Compression Union Elbow	28.10	14.63
22 11 16 00-0817	EA	3/4" Diameter, Brass Compression Union Elbow	35.37	14.63
22 11 16 00-0818	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	25.04	14.63
22 11 16 00-0819	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	26.24	14.63
22 11 16 00-0820	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	26.57	14.63
22 11 16 00-0821	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	32.03	14.63

22 11 16 00-0822 Brass Compression Union Tees *(22 11 16 00-0801)*

22 11 16 00-0823	EA	1/4" Diameter, Brass Compression Union Tee	24.91	14.63
22 11 16 00-0824	EA	3/8" Diameter, Brass Compression Union Tee	26.04	14.63
22 11 16 00-0825	EA	1/2" Diameter, Brass Compression Union Tee	27.24	14.63
22 11 16 00-0826	EA	5/8" Diameter, Brass Compression Union Tee	31.04	14.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0827	EA	3/4" Diameter, Brass Compression Union Tee	44.16	14.63
22 11 16 00-0828	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	26.84	14.63
22 11 16 00-0829	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	33.00	14.63
22 11 16 00-0830	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	32.41	14.63
22 11 16 00-0831	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	33.10	14.63
22 11 16 00-0832		**Brass Compression Male Connectors** *(22 11 16 00-0801)*		
22 11 16 00-0833	EA	1/4" Diameter, Brass Compression Male Connector	22.91	14.63
22 11 16 00-0834	EA	3/8" Diameter, Brass Compression Male Connector	23.35	14.63
22 11 16 00-0835	EA	1/2" Diameter, Brass Compression Male Connector	24.11	14.63
22 11 16 00-0836	EA	5/8" Diameter, Brass Compression Male Connector	25.24	14.63
22 11 16 00-0837	EA	3/4" Diameter, Brass Compression Male Connector	30.24	14.49
22 11 16 00-0838		**Brass Compression Female Connectors** *(22 11 16 00-0801)*		
22 11 16 00-0839	EA	1/4" Diameter, Brass Compression Female Connector	23.39	14.63
22 11 16 00-0840	EA	3/8" Diameter, Brass Compression Female Connector	23.96	14.63
22 11 16 00-0841	EA	1/2" Diameter, Brass Compression Female Connector	24.92	14.63
22 11 16 00-0842	EA	5/8" Diameter, Brass Compression Female Connector	25.55	14.63
22 11 16 00-0843	EA	3/4" Diameter, Brass Compression Female Connector	38.55	14.36
22 11 16 00-0844		**Dielectric Fittings** *(22 11 16 00-0390)*		
22 11 16 00-0845		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0846	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	56.40	32.50
22 11 16 00-0847	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	63.17	37.11
22 11 16 00-0848	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	74.40	40.77
22 11 16 00-0849	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	89.14	44.89
22 11 16 00-0850	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	106.78	49.88
22 11 16 00-0851	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	134.82	59.85
22 11 16 00-0852		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0853	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	61.22	32.50
22 11 16 00-0854	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	71.12	37.11
22 11 16 00-0855	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	84.89	40.77
22 11 16 00-0856	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	103.05	44.89
22 11 16 00-0857	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	123.99	49.88
22 11 16 00-0858	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	155.01	59.85
22 11 16 00-0859		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0860	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	58.16	32.50
22 11 16 00-0861	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	66.07	37.11
22 11 16 00-0862	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	75.17	40.77
22 11 16 00-0863	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	86.45	44.89
22 11 16 00-0864	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	104.11	49.88
22 11 16 00-0865	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	132.68	59.85
22 11 16 00-0866		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0844)*		
22 11 16 00-0867	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	330.08	153.88
22 11 16 00-0868	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	413.49	193.79
22 11 16 00-0869	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	580.80	263.75
22 11 16 00-0870		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0844)*		
22 11 16 00-0871	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	332.07	153.88
22 11 16 00-0872	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	429.32	193.79
22 11 16 00-0873	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	763.46	263.75
22 11 16 00-0874		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0875	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	28.93	13.54
22 11 16 00-0876	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	35.85	14.45
22 11 16 00-0877	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	37.19	16.25
22 11 16 00-0878	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	42.77	17.33
22 11 16 00-0879	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	43.62	18.51
22 11 16 00-0880	EA	1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	61.20	22.11
22 11 16 00-0881	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	36.52	15.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0882	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	42.25	16.79
22 11 16 00-0883	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	62.81	20.31
22 11 16 00-0884	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	30.18	13.54
22 11 16 00-0885	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	41.16	14.45
22 11 16 00-0886	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	37.87	16.25
22 11 16 00-0887	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	45.86	17.33
22 11 16 00-0888	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	42.74	18.51
22 11 16 00-0889	EA	1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	61.88	22.11
22 11 16 00-0890	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	35.96	15.34
22 11 16 00-0891	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	40.04	16.79
22 11 16 00-0892	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	78.01	20.31
22 11 16 00-0893	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	45.79	20.31
22 11 16 00-0894	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	57.87	21.67
22 11 16 00-0895	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	53.13	24.37
22 11 16 00-0896	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	67.48	26.00
22 11 16 00-0897	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	61.95	27.76
22 11 16 00-0898	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	84.56	33.17
22 11 16 00-0899	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	59.49	23.02
22 11 16 00-0900	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	59.83	23.47
22 11 16 00-0901	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	59.80	26.63
22 11 16 00-0902	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	82.00	31.38
22 11 16 00-0903	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	34.42	14.89
22 11 16 00-0904	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	34.03	15.34
22 11 16 00-0905	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.65	16.25
22 11 16 00-0906	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	38.54	18.51
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	54.05	22.11
22 11 16 00-0908	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.16	14.89
22 11 16 00-0909	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	34.03	15.34
22 11 16 00-0910	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.74	16.25
22 11 16 00-0911	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	38.15	18.51
22 11 16 00-0912	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	41.40	17.92
22 11 16 00-0913	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	49.65	20.31
22 11 16 00-0914	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	54.84	22.11
22 11 16 00-0915	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	48.40	16.25
22 11 16 00-0916	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	56.58	18.51
22 11 16 00-0917	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	74.68	22.11
22 11 16 00-0918	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	51.83	16.25
22 11 16 00-0919	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	62.37	18.51
22 11 16 00-0920	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	104.77	22.11

22 11 16 00-0921 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0922	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	27.15	3.79
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.48*	
		For For Brazed Fittings, Add	*0.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*6.36*	
22 11 16 00-0923	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	31.76	4.87
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.31*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.89*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.99*	
		For For Brazed Fittings, Add	*0.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.79*	
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0924	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	35.45	5.82
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.80*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.29*	
		For For Brazed Fittings, Add	*1.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*7.55*	
22 11 16 00-0925	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	40.44	6.77
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.54*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.64*	
		For For Brazed Fittings, Add	*1.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*7.84*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.43*	
22 11 16 00-0926	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	45.43	7.72
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*4.18*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.06*	
		For For Brazed Fittings, Add	*1.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.67*	
		For Work In Restricted Working Space, Add	*8.36*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.76*	
22 11 16 00-0927	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	58.34	9.61
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.86*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.44*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.12*	
		For For Brazed Fittings, Add	*1.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.52*	
		For Work In Restricted Working Space, Add	*9.62*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.63*	
22 11 16 00-0928	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	73.40	11.60
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*8.18*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.11*	
		For For Brazed Fittings, Add	*1.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.39*	
		For Work In Restricted Working Space, Add	*10.32*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.90*	
22 11 16 00-0929	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	90.35	13.47
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*10.75*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.86*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.24*	
		For For Brazed Fittings, Add	*1.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.38*	
		For Work In Restricted Working Space, Add	*11.18*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-5.31*	
22 11 16 00-0930	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	143.35	17.83
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*18.52*	
		For Type M Tubing Instead Of Type L, Deduct	*-13.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.99*	
		For For Brazed Fittings, Add	*1.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.58*	
		For Work In Restricted Working Space, Add	*14.45*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0931	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	256.69	22.20
		For Type K Tubing Instead Of Type L, Add	*36.45*	
		For Type M Tubing Instead Of Type L, Deduct	*-25.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.02*	
		For For Brazed Fittings, Add	*2.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.93*	
		For Work In Restricted Working Space, Add	*18.56*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-19.48*	
22 11 16 00-0932	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	335.89	26.81
		For Type K Tubing Instead Of Type L, Add	*48.02*	
		For Type M Tubing Instead Of Type L, Deduct	*-34.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.65*	
		For For Brazed Fittings, Add	*3.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.72*	
		For Work In Restricted Working Space, Add	*23.57*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-25.73*	
22 11 16 00-0933	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	726.47	32.05
		For Type K Tubing Instead Of Type L, Add	*113.57*	
		For Type M Tubing Instead Of Type L, Deduct	*-79.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*46.09*	
		For For Brazed Fittings, Add	*3.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.21*	
		For Work In Restricted Working Space, Add	*29.29*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-62.88*	
22 11 16 00-0934		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)* Note: Socket weld.		
22 11 16 00-0935		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0934)*		
22 11 16 00-0936		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0935)*		
22 11 16 00-0937	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.56	2.00
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0938	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.39	2.10
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0939	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.78	2.26
		For Work In Restricted Working Space, Add	*1.69*	
22 11 16 00-0940	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.52	2.45
		For Work In Restricted Working Space, Add	*1.85*	
22 11 16 00-0941	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	12.08	2.72
		For Work In Restricted Working Space, Add	*2.04*	
22 11 16 00-0942	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.90	3.04
		For Work In Restricted Working Space, Add	*2.28*	
22 11 16 00-0943	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.82	3.45
		For Work In Restricted Working Space, Add	*2.59*	
22 11 16 00-0944	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	25.16	4.09
		For Work In Restricted Working Space, Add	*3.07*	
22 11 16 00-0945	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	34.48	5.03
		For Work In Restricted Working Space, Add	*3.77*	
22 11 16 00-0946	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.35	6.38
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-0947	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.46	8.38
		For Work In Restricted Working Space, Add	*6.29*	
22 11 16 00-0948		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0935)*		
22 11 16 00-0949	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	26.15	9.48
		For Work In Restricted Working Space, Add	*7.11*	
22 11 16 00-0950	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	33.75	11.97
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0951	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	43.57	14.96
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0952	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	58.53	18.71
		For Work In Restricted Working Space, Add	*14.07*	
22 11 16 00-0953	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	65.02	20.70
		For Work In Restricted Working Space, Add	*15.56*	
22 11 16 00-0954	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	75.57	20.70
		For Work In Restricted Working Space, Add	*17.36*	
22 11 16 00-0955	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	111.96	26.31
		For Work In Restricted Working Space, Add	*19.75*	
22 11 16 00-0956	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	127.93	31.17
		For Work In Restricted Working Space, Add	*23.34*	
22 11 16 00-0957	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	179.35	38.28
		For Work In Restricted Working Space, Add	*28.73*	
22 11 16 00-0958	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	226.48	48.64
		For Work In Restricted Working Space, Add	*36.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0959	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	416.03	63.85
		For Work In Restricted Working Space, Add	*47.89*	

22 11 16 00-0960 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0935)*

22 11 16 00-0961	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	27.37	9.48
		For Work In Restricted Working Space, Add	*7.11*	
22 11 16 00-0962	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	35.22	11.97
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0963	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	45.96	14.96
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0964	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	61.66	18.71
		For Work In Restricted Working Space, Add	*14.07*	
22 11 16 00-0965	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	68.84	20.70
		For Work In Restricted Working Space, Add	*15.56*	
22 11 16 00-0966	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	76.86	23.20
		For Work In Restricted Working Space, Add	*17.36*	
22 11 16 00-0967	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	112.78	26.31
		For Work In Restricted Working Space, Add	*19.75*	
22 11 16 00-0968	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	127.82	31.17
		For Work In Restricted Working Space, Add	*23.34*	
22 11 16 00-0969	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	164.38	38.28
		For Work In Restricted Working Space, Add	*28.73*	
22 11 16 00-0970	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	254.56	48.64
		For Work In Restricted Working Space, Add	*36.51*	
22 11 16 00-0971	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	435.92	63.85
		For Work In Restricted Working Space, Add	*47.89*	

22 11 16 00-0972 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0935)*

22 11 16 00-0973	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	40.01	14.21
		For Work In Restricted Working Space, Add	*10.66*	
22 11 16 00-0974	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	52.02	17.96
		For Work In Restricted Working Space, Add	*13.47*	
22 11 16 00-0975	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	65.14	22.57
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0976	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	88.82	28.18
		For Work In Restricted Working Space, Add	*21.10*	
22 11 16 00-0977	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	99.00	31.17
		For Work In Restricted Working Space, Add	*23.34*	
22 11 16 00-0978	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	118.39	34.67
		For Work In Restricted Working Space, Add	*26.04*	
22 11 16 00-0979	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	150.69	39.53
		For Work In Restricted Working Space, Add	*29.63*	
22 11 16 00-0980	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	173.21	46.64
		For Work In Restricted Working Space, Add	*35.02*	
22 11 16 00-0981	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	210.39	57.49
		For Work In Restricted Working Space, Add	*43.10*	
22 11 16 00-0982	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	312.95	73.08
		For Work In Restricted Working Space, Add	*54.77*	
22 11 16 00-0983	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	612.72	95.77
		For Work In Restricted Working Space, Add	*71.83*	

22 11 16 00-0984 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0935)*

22 11 16 00-0985	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	51.23	18.96
		For Work In Restricted Working Space, Add	*14.21*	
22 11 16 00-0986	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	65.99	23.94
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0987	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	82.62	30.05
		For Work In Restricted Working Space, Add	*22.52*	
22 11 16 00-0988	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	109.70	37.53
		For Work In Restricted Working Space, Add	*28.13*	
22 11 16 00-0989	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	122.00	41.53
		For Work In Restricted Working Space, Add	*31.13*	
22 11 16 00-0990	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	142.95	46.26
		For Work In Restricted Working Space, Add	*34.72*	
22 11 16 00-0991	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	176.41	52.62
		For Work In Restricted Working Space, Add	*39.51*	
22 11 16 00-0992	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	204.28	62.22
		For Work In Restricted Working Space, Add	*46.69*	
22 11 16 00-0993	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	249.02	76.57
		For Work In Restricted Working Space, Add	*57.46*	
22 11 16 00-0994	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	355.73	97.39
		For Work In Restricted Working Space, Add	*73.03*	
22 11 16 00-0995	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	640.77	127.69
		For Work In Restricted Working Space, Add	*95.77*	

22 11 16 00-0996 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0935)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0997	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	23.42	8.73
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-0998	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	32.43	11.85
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0999	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	51.75	15.47
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-1000	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	58.23	17.08
		For Work In Restricted Working Space, Add	*12.83*	
22 11 16 00-1001	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	68.06	19.08
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-1002	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	74.67	21.69
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-1003	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	90.22	25.69
		For Work In Restricted Working Space, Add	*19.27*	
22 11 16 00-1004	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	120.72	31.55
		For Work In Restricted Working Space, Add	*23.72*	
22 11 16 00-1005	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	189.12	40.16
		For Work In Restricted Working Space, Add	*30.11*	
22 11 16 00-1006	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	398.68	52.62
		For Work In Restricted Working Space, Add	*39.51*	

22 11 16 00-1007 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0935)*

22 11 16 00-1008	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	25.21	6.24
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-1009	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	32.32	8.73
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-1010	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	40.68	11.85
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-1011	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	51.04	15.47
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-1012	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	59.28	17.08
		For Work In Restricted Working Space, Add	*12.83*	
22 11 16 00-1013	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	73.31	19.08
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-1014	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	108.99	21.69
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-1015	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	206.89	25.69
		For Work In Restricted Working Space, Add	*19.27*	
22 11 16 00-1016	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	303.92	31.55
		For Work In Restricted Working Space, Add	*23.72*	

22 11 16 00-1017 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0935)*

22 11 16 00-1018	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	19.27	6.24
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-1019	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	26.93	8.73
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-1020	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	37.95	11.85
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-1021	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	51.04	15.47
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-1022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	59.52	17.08
		For Work In Restricted Working Space, Add	*12.83*	
22 11 16 00-1023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	70.41	19.08
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-1024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	97.26	21.69
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-1025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	116.08	25.69
		For Work In Restricted Working Space, Add	*19.27*	
22 11 16 00-1026	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	166.74	31.55
		For Work In Restricted Working Space, Add	*23.72*	

22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0935)*

22 11 16 00-1028	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	20.68	6.24
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-1029	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	27.38	8.73
		For Work In Restricted Working Space, Add	*6.59*	

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22 11 16 00-1030	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	38.07	11.85
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-1031	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	51.45	15.47
		For Work In Restricted Working Space, Add	*11.60*	
22 11 16 00-1032	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	57.64	17.08
		For Work In Restricted Working Space, Add	*12.83*	
22 11 16 00-1033	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	68.88	19.08
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-1034	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	98.14	21.69
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-1035	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	131.56	25.69
		For Work In Restricted Working Space, Add	*19.27*	
22 11 16 00-1036	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	193.07	31.55
		For Work In Restricted Working Space, Add	*23.72*	

22 11 16 00-1037 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0935)*

22 11 16 00-1038	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	17.35	5.73
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-1039	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	24.38	7.98
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-1040	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	32.78	10.72
		For Work In Restricted Working Space, Add	*8.04*	
22 11 16 00-1041	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	44.08	14.09
		For Work In Restricted Working Space, Add	*10.55*	
22 11 16 00-1042	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	50.14	15.59
		For Work In Restricted Working Space, Add	*11.67*	
22 11 16 00-1043	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	56.43	17.33
		For Work In Restricted Working Space, Add	*13.02*	
22 11 16 00-1044	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	80.63	19.70
		For Work In Restricted Working Space, Add	*14.81*	
22 11 16 00-1045	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	89.92	23.32
		For Work In Restricted Working Space, Add	*17.51*	
22 11 16 00-1046	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	113.17	28.68
		For Work In Restricted Working Space, Add	*21.55*	
22 11 16 00-1047	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	172.85	36.53
		For Work In Restricted Working Space, Add	*27.38*	
22 11 16 00-1048	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	285.00	47.89
		For Work In Restricted Working Space, Add	*35.91*	

22 11 16 00-1049 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0935)*

22 11 16 00-1050	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	30.45	6.85
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-1051	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	37.96	9.60
		For Work In Restricted Working Space, Add	*7.18*	
22 11 16 00-1052	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	46.64	12.84
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-1053	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	76.17	16.84
		For Work In Restricted Working Space, Add	*12.65*	
22 11 16 00-1054	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	81.27	18.71
		For Work In Restricted Working Space, Add	*13.99*	
22 11 16 00-1055	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	109.58	20.83
		For Work In Restricted Working Space, Add	*15.64*	
22 11 16 00-1056	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	178.37	23.69
		For Work In Restricted Working Space, Add	*17.77*	
22 11 16 00-1057	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	250.11	28.05
		For Work In Restricted Working Space, Add	*21.02*	
22 11 16 00-1058	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	392.22	34.41
		For Work In Restricted Working Space, Add	*25.85*	
22 11 16 00-1059	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	522.83	43.77
		For Work In Restricted Working Space, Add	*32.85*	
22 11 16 00-1060	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	648.57	57.49
		For Work In Restricted Working Space, Add	*43.10*	

22 11 16 00-1061 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0935)*

22 11 16 00-1062	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.84	5.87
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-1063	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	18.26	7.36
		For Work In Restricted Working Space, Add	*3.37*	
22 11 16 00-1064	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	26.50	9.23
		For Work In Restricted Working Space, Add	*4.22*	
22 11 16 00-1065	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	31.20	6.99
		For Work In Restricted Working Space, Add	*5.28*	
22 11 16 00-1066	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	33.34	7.73
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-1067	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	44.05	8.73
		For Work In Restricted Working Space, Add	*6.51*	
22 11 16 00-1068	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	64.95	9.85
		For Work In Restricted Working Space, Add	*7.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1069	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	70.36	11.72
		For Work In Restricted Working Space, Add	*8.75*	
22 11 16 00-1070	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	105.38	14.34
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-1071	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	218.47	18.21
		For Work In Restricted Working Space, Add	*13.69*	
22 11 16 00-1072	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	281.77	23.94
		For Work In Restricted Working Space, Add	*17.96*	

22 11 16 00-1073 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges *(22 11 16 00-0935)*

22 11 16 00-1074	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	23.29	4.49
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-1075	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	28.76	6.36
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-1076	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	35.71	8.60
		For Work In Restricted Working Space, Add	*6.44*	
22 11 16 00-1077	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	42.85	11.23
		For Work In Restricted Working Space, Add	*8.45*	
22 11 16 00-1078	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	46.18	12.47
		For Work In Restricted Working Space, Add	*9.35*	
22 11 16 00-1079	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	54.63	13.84
		For Work In Restricted Working Space, Add	*10.40*	
22 11 16 00-1080	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	70.68	15.84
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-1081	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	80.62	18.71
		For Work In Restricted Working Space, Add	*13.99*	
22 11 16 00-1082	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	100.54	22.95
		For Work In Restricted Working Space, Add	*17.25*	
22 11 16 00-1083	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	140.77	29.18
		For Work In Restricted Working Space, Add	*21.92*	
22 11 16 00-1084	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	248.47	38.28
		For Work In Restricted Working Space, Add	*28.73*	

22 11 16 00-1085 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*

22 11 16 00-1086 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®

22 11 16 00-1087	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.64	2.12
22 11 16 00-1088	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.53	2.21
22 11 16 00-1089	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.79	2.65
22 11 16 00-1090	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.94	2.84
22 11 16 00-1091	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	14.96	3.19
22 11 16 00-1092	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	19.60	3.25
22 11 16 00-1093	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	27.91	4.42
22 11 16 00-1094	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	36.85	5.12
22 11 16 00-1095	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	49.30	5.72
22 11 16 00-1096	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	58.18	6.32

22 11 16 00-1097 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®

22 11 16 00-1098	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.20	2.12
22 11 16 00-1099	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.80	2.21
22 11 16 00-1100	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.48	2.65
22 11 16 00-1101	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	9.03	2.84
22 11 16 00-1102	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.63	3.19
22 11 16 00-1103	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	14.87	3.25
22 11 16 00-1104	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	20.63	4.42
22 11 16 00-1105	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	27.23	5.12
22 11 16 00-1106	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	37.23	5.72
22 11 16 00-1107	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	43.88	6.32

22 11 16 00-1108 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®.

22 11 16 00-1109	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.87	2.12
22 11 16 00-1110	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.85	2.21
22 11 16 00-1111	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	9.14	2.65
22 11 16 00-1112	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	11.39	2.84
22 11 16 00-1113	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	16.26	3.19
22 11 16 00-1114	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	20.31	3.25
22 11 16 00-1115	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	28.92	4.42
22 11 16 00-1116	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	39.35	5.12
22 11 16 00-1117	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	49.16	5.72
22 11 16 00-1118	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	57.79	6.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1119		**Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe** *(22 11 16 00-1085)* Note: Aquatherm climatherm®.		
22 11 16 00-1120	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.18	2.13
22 11 16 00-1121	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.89	2.21
22 11 16 00-1122	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.00	2.65
22 11 16 00-1123	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	8.35	2.84
22 11 16 00-1124	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.39	3.20
22 11 16 00-1125	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	13.00	3.26
22 11 16 00-1126	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	18.06	4.42
22 11 16 00-1127	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	23.66	5.12
22 11 16 00-1128	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	31.34	5.73
22 11 16 00-1129	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	37.62	6.32
22 11 16 00-1130	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	45.32	8.09
22 11 16 00-1131	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	72.02	10.62
22 11 16 00-1132		**Pipe Clamp For Polypropylene Random (PP-R) Pipe** *(22 11 16 00-1085)*		
22 11 16 00-1133	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	14.24	5.25
22 11 16 00-1134	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	14.81	5.25
22 11 16 00-1135	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	15.19	5.25
22 11 16 00-1136	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	15.31	5.25
22 11 16 00-1137	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.76	5.25
22 11 16 00-1138	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	17.03	5.25
22 11 16 00-1139	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.87	5.25
22 11 16 00-1140	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	19.50	5.25
22 11 16 00-1141	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	20.39	5.25
22 11 16 00-1142	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	21.60	5.25
22 11 16 00-1143		**Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap** *(22 11 16 00-1085)*		
22 11 16 00-1144	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.87	
22 11 16 00-1145	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	5.02	
22 11 16 00-1146	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	5.10	
22 11 16 00-1147	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	5.15	
22 11 16 00-1148		**Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1085)*		
22 11 16 00-1149	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.58	2.73
22 11 16 00-1150	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.97	2.73
22 11 16 00-1151		**Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1152	EA	1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	10.08	4.24
22 11 16 00-1153	EA	3/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	10.65	4.42
22 11 16 00-1154	EA	1" Diameter, Polypropylene, Heat Fusion, Socket Coupling	12.99	5.31
22 11 16 00-1155	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	14.22	5.69
22 11 16 00-1156	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	18.73	6.38
22 11 16 00-1157	EA	2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	24.94	6.51
22 11 16 00-1158	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	31.03	8.85
22 11 16 00-1159	EA	3" Diameter, Polypropylene, Heat Fusion, Socket Coupling	49.80	10.24
22 11 16 00-1160	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	70.59	11.44
22 11 16 00-1161	EA	4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	87.88	12.64
22 11 16 00-1162		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1085)*		
22 11 16 00-1163	EA	1" Diameter, Polypropylene, Heat Fusion, Bushing	10.87	4.24
22 11 16 00-1164	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Bushing	12.54	4.42
22 11 16 00-1165	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	16.73	5.31
22 11 16 00-1166	EA	2" Diameter, Polypropylene, Heat Fusion, Bushing	23.59	5.69
22 11 16 00-1167	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	26.44	6.38
22 11 16 00-1168	EA	3" Diameter, Polypropylene, Heat Fusion, Bushing	43.46	6.51
22 11 16 00-1169	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	66.35	8.85
22 11 16 00-1170	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	79.85	10.24
22 11 16 00-1171	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Bushing	96.73	11.44
22 11 16 00-1172	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	101.33	12.64
22 11 16 00-1173		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1174	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	14.56	4.42
22 11 16 00-1175	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	19.23	5.31
22 11 16 00-1176	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	28.55	5.69
22 11 16 00-1177	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	31.64	6.38
22 11 16 00-1178	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	38.45	6.51
22 11 16 00-1179	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	61.80	8.85
22 11 16 00-1180	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	80.21	10.74
22 11 16 00-1181	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	89.91	12.64
22 11 16 00-1182		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1183	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	18.66	8.47
22 11 16 00-1184	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	20.04	8.91
22 11 16 00-1185	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	24.43	10.62
22 11 16 00-1186	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	27.80	11.44
22 11 16 00-1187	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	36.01	12.70
22 11 16 00-1188	EA	2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	42.19	12.95
22 11 16 00-1189	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	71.63	17.76
22 11 16 00-1190	EA	3" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	100.97	20.47
22 11 16 00-1191	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	131.00	22.88
22 11 16 00-1192	EA	4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	181.87	25.28
22 11 16 00-1193		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1194	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	18.66	8.47
22 11 16 00-1195	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	20.04	8.91
22 11 16 00-1196	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	24.43	10.62
22 11 16 00-1197	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	27.80	11.44
22 11 16 00-1198		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1199	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	18.66	8.47
22 11 16 00-1200	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	20.04	8.91
22 11 16 00-1201	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	24.43	10.62
22 11 16 00-1202	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	27.80	11.44
22 11 16 00-1203	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	36.01	12.70
22 11 16 00-1204	EA	2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	42.00	12.95
22 11 16 00-1205	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	71.20	17.76
22 11 16 00-1206	EA	3" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	106.81	20.47
22 11 16 00-1207	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	139.54	22.88
22 11 16 00-1208	EA	4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	194.97	25.28
22 11 16 00-1209		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1210	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	18.64	8.47
22 11 16 00-1211	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	20.04	8.91
22 11 16 00-1212	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	24.43	10.62
22 11 16 00-1213	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	27.80	11.44
22 11 16 00-1214		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1085)*		
22 11 16 00-1215	EA	1/2" Diameter, Polypropylene, Heat Fusion, Tee	27.74	12.70
22 11 16 00-1216	EA	3/4" Diameter, Polypropylene, Heat Fusion, Tee	29.86	13.33
22 11 16 00-1217	EA	1" Diameter, Polypropylene, Heat Fusion, Tee	35.80	15.86
22 11 16 00-1218	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Tee	40.46	17.13
22 11 16 00-1219	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Tee	55.90	19.08
22 11 16 00-1220	EA	2" Diameter, Polypropylene, Heat Fusion, Tee	64.31	19.46
22 11 16 00-1221	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Tee	95.75	26.60
22 11 16 00-1222	EA	3" Diameter, Polypropylene, Heat Fusion, Tee	131.65	30.72
22 11 16 00-1223	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Tee	178.05	34.29
22 11 16 00-1224	EA	4" Diameter, Polypropylene, Heat Fusion, Tee	221.21	37.86
22 11 16 00-1225		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1085)*		
22 11 16 00-1226	EA	1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	27.74	12.70
22 11 16 00-1227	EA	3/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	29.86	13.33
22 11 16 00-1228	EA	1" Diameter, Polypropylene, Heat Fusion, Reducing Tee	35.75	15.86
22 11 16 00-1229	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	40.46	17.13
22 11 16 00-1230	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	55.90	19.08
22 11 16 00-1231	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	62.78	19.46
22 11 16 00-1232	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	92.11	26.60
22 11 16 00-1233	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	139.40	30.72
22 11 16 00-1234	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	190.42	34.29
22 11 16 00-1235	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	216.81	37.86
22 11 16 00-1236	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	221.71	37.86
22 11 16 00-1237	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	222.26	37.86
22 11 16 00-1238		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1085)*		
22 11 16 00-1239	EA	1/2" Diameter, Polypropylene, Heat Fusion, End Cap	10.99	4.24
22 11 16 00-1240	EA	3/4" Diameter, Polypropylene, Heat Fusion, End Cap	12.05	4.42
22 11 16 00-1241	EA	1" Diameter, Polypropylene, Heat Fusion, End Cap	14.50	5.31
22 11 16 00-1242	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, End Cap	17.49	5.69
22 11 16 00-1243	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	21.19	6.38
22 11 16 00-1244	EA	2" Diameter, Polypropylene, Heat Fusion, End Cap	27.12	6.51
22 11 16 00-1245	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	38.13	8.85
22 11 16 00-1246	EA	3" Diameter, Polypropylene, Heat Fusion, End Cap	66.65	10.24
22 11 16 00-1247	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	78.43	11.44
22 11 16 00-1248	EA	4" Diameter, Polypropylene, Heat Fusion, End Cap	109.88	12.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1249		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1085)*		
22 11 16 00-1250	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.72	
22 11 16 00-1251	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	14.10	
22 11 16 00-1252	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	14.31	
22 11 16 00-1253	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.69	
22 11 16 00-1254	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	15.31	
22 11 16 00-1255	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	15.69	
22 11 16 00-1256	EA	2" x 1" Polypropylene, Heat Fusion Outlet	17.58	
22 11 16 00-1257	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.30	
22 11 16 00-1258	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	16.68	
22 11 16 00-1259	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	18.57	
22 11 16 00-1260	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.46	
22 11 16 00-1261	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	17.29	
22 11 16 00-1262	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	17.67	
22 11 16 00-1263	EA	3" x 1" Polypropylene, Heat Fusion Outlet	19.56	
22 11 16 00-1264	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.45	
22 11 16 00-1265	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	17.29	
22 11 16 00-1266	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	18.66	
22 11 16 00-1267	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	20.55	
22 11 16 00-1268	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.44	
22 11 16 00-1269	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	25.34	
22 11 16 00-1270	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	19.27	
22 11 16 00-1271	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	19.65	
22 11 16 00-1272	EA	4" x 1" Polypropylene, Heat Fusion Outlet	21.54	
22 11 16 00-1273	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	22.43	
22 11 16 00-1274	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	25.34	
22 11 16 00-1275	EA	4" x 2" Polypropylene, Heat Fusion Outlet	29.79	
22 11 16 00-1276		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1085)*		
22 11 16 00-1277	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	16.19	5.31
22 11 16 00-1278	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.95	5.69
22 11 16 00-1279	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	23.05	6.38
22 11 16 00-1280	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	24.62	6.51
22 11 16 00-1281	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	33.93	8.85
22 11 16 00-1282	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	53.49	10.24
22 11 16 00-1283	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	72.06	11.44
22 11 16 00-1284	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	150.54	12.64
22 11 16 00-1285		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1085)*		
22 11 16 00-1286	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	26.44	
22 11 16 00-1287	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	34.87	
22 11 16 00-1288	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	43.49	
22 11 16 00-1289	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	51.65	
22 11 16 00-1290	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	72.17	
22 11 16 00-1291	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	83.77	
22 11 16 00-1292	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	103.73	
22 11 16 00-1293	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	125.60	
22 11 16 00-1294		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1295	EA	1/2" Polypropylene, Electrofusion Coupling	58.45	8.47
22 11 16 00-1296	EA	3/4" Polypropylene, Electrofusion Coupling	60.97	8.91
22 11 16 00-1297	EA	1" Polypropylene, Electrofusion Coupling	69.56	10.62
22 11 16 00-1298	EA	1-1/4" Polypropylene, Electrofusion Coupling	71.98	11.44
22 11 16 00-1299	EA	1-1/2" Polypropylene, Electrofusion Coupling	78.37	12.70
22 11 16 00-1300	EA	2" Polypropylene, Electrofusion Coupling	102.69	12.95
22 11 16 00-1301	EA	2-1/2" Polypropylene, Electrofusion Coupling	126.53	17.76
22 11 16 00-1302	EA	3" Polypropylene, Electrofusion Coupling	157.09	20.47
22 11 16 00-1303	EA	3-1/2" Polypropylene, Electrofusion Coupling	210.68	22.88
22 11 16 00-1304	EA	4" Polypropylene, Electrofusion Coupling	258.13	25.28
22 11 16 00-1305		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1306	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	32.49	11.62
22 11 16 00-1307	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	37.95	12.07
22 11 16 00-1308		**Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1309	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	34.71	11.62
22 11 16 00-1310		**Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1311	EA	1/2" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.73	4.24
22 11 16 00-1312	EA	3/4" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	10.48	4.42
22 11 16 00-1313		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1314	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.83	8.47
22 11 16 00-1315	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	27.34	8.47
22 11 16 00-1316	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	25.72	8.91
22 11 16 00-1317	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	28.23	8.91
22 11 16 00-1318	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	32.68	10.62
22 11 16 00-1319		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1320	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.33	8.47
22 11 16 00-1321	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.46	8.47
22 11 16 00-1322	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.22	8.91
22 11 16 00-1323	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	32.35	8.91
22 11 16 00-1324	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	37.96	10.62
22 11 16 00-1325	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	55.21	10.62
22 11 16 00-1326	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	58.55	11.44
22 11 16 00-1327	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	76.56	11.44
22 11 16 00-1328	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	80.87	12.70
22 11 16 00-1329	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	87.67	12.70
22 11 16 00-1330	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	94.11	12.95
22 11 16 00-1331	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	122.31	12.95
22 11 16 00-1332	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	136.17	17.76
22 11 16 00-1333		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1334	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.54	8.47
22 11 16 00-1335	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	38.20	8.47
22 11 16 00-1336	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.43	8.91
22 11 16 00-1337	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	39.09	8.91
22 11 16 00-1338	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	46.36	10.62
22 11 16 00-1339		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1340	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	30.58	8.47
22 11 16 00-1341	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.53	8.47
22 11 16 00-1342	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	33.42	8.91
22 11 16 00-1343	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	47.38	10.62
22 11 16 00-1344	EA	1" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	65.25	10.62
22 11 16 00-1345	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	49.99	11.44
22 11 16 00-1346	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	69.71	11.44
22 11 16 00-1347	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	73.79	12.70
22 11 16 00-1348	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	85.01	12.70
22 11 16 00-1349	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	96.52	12.95
22 11 16 00-1350	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	108.48	12.95
22 11 16 00-1351	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	120.09	17.76
22 11 16 00-1352	EA	2-1/2" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	162.11	17.76
22 11 16 00-1353	EA	3" x 3" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	238.37	20.47
22 11 16 00-1354	EA	3-1/2" x 4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	450.50	22.88
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1356	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.74	8.47
22 11 16 00-1357	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	26.16	8.47
22 11 16 00-1358	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	31.63	8.91
22 11 16 00-1359	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	27.05	8.91
22 11 16 00-1360	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	36.52	10.62
22 11 16 00-1361	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	54.32	10.62
22 11 16 00-1362		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1363	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	26.16	8.47
22 11 16 00-1364		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1365	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	28.45	8.47
22 11 16 00-1366	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.93	8.47
22 11 16 00-1367	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	30.82	8.91
22 11 16 00-1368	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	38.22	10.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1369	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	51.44	10.62
22 11 16 00-1370		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1085)*		
22 11 16 00-1371	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.34	12.70
22 11 16 00-1372	EA	1/2" x 1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	39.96	12.70
22 11 16 00-1373	EA	3/4" x 3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	37.59	13.33
22 11 16 00-1374	EA	3/4" x 3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	41.21	13.33
22 11 16 00-1375	EA	1" x 1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	48.72	15.86
22 11 16 00-1376	EA	1" x 1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	64.97	15.86
22 11 16 00-1377	EA	1-1/2" x 1-1/2" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	75.60	19.08
22 11 16 00-1378		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1085)*		
22 11 16 00-1379	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Tee	38.78	12.70
22 11 16 00-1380		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1085)*		
22 11 16 00-1381	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	25.98	4.24
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1085)*		
22 11 16 00-1383	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	22.94	
22 11 16 00-1384	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	29.09	
22 11 16 00-1385	EA	1" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	39.80	
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1085)*		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	26.49	
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	35.65	
22 11 16 00-1389		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1085)*		
22 11 16 00-1390	EA	1/2" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	18.73	4.24
22 11 16 00-1391	EA	3/4" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	27.56	4.42
22 11 16 00-1392	EA	1" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	35.98	5.31
22 11 16 00-1393		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1085)*		
22 11 16 00-1394	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	26.50	9.29
22 11 16 00-1395	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	27.51	9.79
22 11 16 00-1396	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	38.39	11.62
22 11 16 00-1397	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	57.53	12.58
22 11 16 00-1398		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1085)*		
22 11 16 00-1399	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	72.23	9.29
22 11 16 00-1400	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	73.24	9.79
22 11 16 00-1401	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	87.50	11.62
22 11 16 00-1402	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	141.84	12.58
22 11 16 00-1403		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1404	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	66.97	9.29
22 11 16 00-1405	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	74.07	9.79
22 11 16 00-1406	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	89.78	11.62
22 11 16 00-1407	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	125.74	12.58
22 11 16 00-1408	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	181.68	13.97
22 11 16 00-1409	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	274.49	14.28
22 11 16 00-1410		**Extension For Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1411	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	33.95	
22 11 16 00-1412	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	34.00	
22 11 16 00-1413	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	37.12	
22 11 16 00-1414		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1085)*		
22 11 16 00-1415	EA	1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	33.50	8.47
22 11 16 00-1416	EA	3/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	34.39	8.91
22 11 16 00-1417	EA	1" Diameter, Polypropylene, Heat Fusion, Draining Branch	39.55	10.62
22 11 16 00-1418	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	41.20	11.44
22 11 16 00-1419	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	45.26	12.70
22 11 16 00-1420	EA	2" Diameter, Polypropylene, Heat Fusion, Draining Branch	48.42	12.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1421		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1422		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1421)*		
22 11 16 00-1423	LF	1/2" Diameter, Schedule 40 Red Brass Pipe	30.94	2.61
22 11 16 00-1424	LF	3/4" Diameter, Schedule 40 Red Brass Pipe	40.80	2.61
22 11 16 00-1425	LF	1" Diameter, Schedule 40 Red Brass Pipe	55.46	2.61
22 11 16 00-1426	LF	1-1/4" Diameter, Schedule 40 Red Brass Pipe	81.09	2.87
22 11 16 00-1427	LF	1-1/2" Diameter, Schedule 40 Red Brass Pipe	93.34	3.12
22 11 16 00-1428	LF	2" Diameter, Schedule 40 Red Brass Pipe	119.56	3.75
22 11 16 00-1429	LF	2-1/2" Diameter, Schedule 40 Red Brass Pipe	173.62	4.24
22 11 16 00-1430	LF	3" Diameter, Schedule 40 Red Brass Pipe	244.95	4.49
22 11 16 00-1431	LF	4" Diameter, Schedule 40 Red Brass Pipe	350.81	4.49
22 11 16 00-1432		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1433	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	71.50	31.05
22 11 16 00-1434	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	80.86	34.17
22 11 16 00-1435	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	101.16	40.40
22 11 16 00-1436	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	119.98	43.40
22 11 16 00-1437	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	134.04	46.52
22 11 16 00-1438	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	165.41	49.63
22 11 16 00-1439	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	276.85	62.10
22 11 16 00-1440	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	382.17	74.45
22 11 16 00-1441	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	670.77	99.26
22 11 16 00-1442		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1443	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	74.65	31.05
22 11 16 00-1444	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	85.44	34.17
22 11 16 00-1445	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	110.74	40.40
22 11 16 00-1446	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	132.55	43.40
22 11 16 00-1447	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	151.34	46.52
22 11 16 00-1448	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	203.18	49.63
22 11 16 00-1449	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	308.32	62.10
22 11 16 00-1450	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	478.90	74.45
22 11 16 00-1451	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	944.49	99.26
22 11 16 00-1452		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1453	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	73.10	31.05
22 11 16 00-1454	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	83.99	34.17
22 11 16 00-1455	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	107.46	40.40
22 11 16 00-1456	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	129.42	43.40
22 11 16 00-1457	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	146.61	46.52
22 11 16 00-1458	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	185.86	49.63
22 11 16 00-1459	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	289.39	62.10
22 11 16 00-1460	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	403.65	74.45
22 11 16 00-1461	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	880.89	99.26
22 11 16 00-1462		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1421)*		
22 11 16 00-1463	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	104.13	46.52
22 11 16 00-1464	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	117.50	50.88
22 11 16 00-1465	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	148.76	60.24
22 11 16 00-1466	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	179.14	65.22
22 11 16 00-1467	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	194.12	69.46
22 11 16 00-1468	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	240.24	74.45
22 11 16 00-1469	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	393.96	93.15
22 11 16 00-1470	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	541.05	111.73
22 11 16 00-1471	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	1,084.86	148.90
22 11 16 00-1472		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1421)*		
22 11 16 00-1473	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	108.84	46.52
22 11 16 00-1474	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	120.68	50.88
22 11 16 00-1475	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	161.35	60.24
22 11 16 00-1476	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	188.58	65.22
22 11 16 00-1477	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	219.30	69.46
22 11 16 00-1478	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	279.59	74.45
22 11 16 00-1479	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	470.48	93.15
22 11 16 00-1480	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	873.60	111.73
22 11 16 00-1481	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,347.17	148.90
22 11 16 00-1482		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1421)*		
22 11 16 00-1483	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	146.18	62.10
22 11 16 00-1484	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	168.02	68.21
22 11 16 00-1485	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	210.17	80.68
22 11 16 00-1486	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	256.35	86.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1487	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	299.94	93.15
22 11 16 00-1488	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	426.03	99.26
22 11 16 00-1489	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	678.53	124.07
22 11 16 00-1490	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	929.06	148.90
22 11 16 00-1491	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	1,688.04	198.64
22 11 16 00-1492		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1421)*		
22 11 16 00-1493	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	34.21	18.45
22 11 16 00-1494	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	38.62	20.33
22 11 16 00-1495	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	50.59	23.94
22 11 16 00-1496	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	64.28	25.81
22 11 16 00-1497	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	74.97	27.68
22 11 16 00-1498	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	101.35	29.56
22 11 16 00-1499	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	159.71	36.91
22 11 16 00-1500	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	227.61	44.27
22 11 16 00-1501	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	395.59	58.98
22 11 16 00-1502		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1421)*		
22 11 16 00-1503	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	69.95	31.05
22 11 16 00-1504	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	79.31	34.17
22 11 16 00-1505	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	99.58	40.40
22 11 16 00-1506	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	118.38	43.40
22 11 16 00-1507	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	134.04	46.52
22 11 16 00-1508	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	166.99	49.63
22 11 16 00-1509	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	234.32	62.10
22 11 16 00-1510	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	301.67	74.45
22 11 16 00-1511	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	513.37	99.26
22 11 16 00-1512		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1513	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	61.19	24.81
22 11 16 00-1514	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	69.79	27.93
22 11 16 00-1515	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	94.57	37.29
22 11 16 00-1516	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	112.07	40.40
22 11 16 00-1517	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	126.44	43.40
22 11 16 00-1518	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	151.59	46.52
22 11 16 00-1519	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	218.97	58.98
22 11 16 00-1520	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	264.92	68.21
22 11 16 00-1521	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	454.53	90.04
22 11 16 00-1522		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1523	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	62.49	24.81
22 11 16 00-1524	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	110.55	34.17
22 11 16 00-1525	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	143.38	37.29
22 11 16 00-1526	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	167.17	40.40
22 11 16 00-1527	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	221.40	46.52
22 11 16 00-1528	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	338.00	58.98
22 11 16 00-1529	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	406.39	62.10
22 11 16 00-1530	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	463.60	80.68
22 11 16 00-1531		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1421)*		
22 11 16 00-1532	EA	1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	74.83	24.81
		For 150 Lb., Add	*10.07*	
22 11 16 00-1533	EA	3/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	89.23	27.31
		For 150 Lb., Add	*13.85*	
22 11 16 00-1534	EA	1" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	110.21	32.29
		For 150 Lb., Add	*18.26*	
22 11 16 00-1535	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	135.59	34.79
		For 150 Lb., Add	*26.43*	
22 11 16 00-1536	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	153.20	37.29
		For 150 Lb., Add	*31.49*	
22 11 16 00-1537	EA	2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	180.57	42.15
		For 150 Lb., Add	*38.47*	
22 11 16 00-1538	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	309.60	62.36
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1539	EA	3" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	449.65	81.99
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1540	EA	4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	811.82	90.78
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1541			**125 Lb. Cast Bronze, Screwed, Companion Flanges** *(22 11 16 00-1421)*		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-1542		EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	201.59	31.05
22 11 16 00-1543		EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	220.43	37.29
22 11 16 00-1544		EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	252.85	43.40
22 11 16 00-1545		EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	287.69	46.52
22 11 16 00-1546		EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	339.66	49.63
22 11 16 00-1547		EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	426.03	52.75
22 11 16 00-1548		EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	536.21	62.10
22 11 16 00-1549		EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	664.54	77.57
22 11 16 00-1550		EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	946.93	108.61
22 11 16 00-1551			**125 Lb. Cast Bronze, Screwed, Square Head Plugs** *(22 11 16 00-1421)*		
22 11 16 00-1552		EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	20.69	
22 11 16 00-1553		EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	21.15	
22 11 16 00-1554		EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	32.54	
22 11 16 00-1555		EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	37.28	
22 11 16 00-1556		EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	42.16	
22 11 16 00-1557		EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	63.02	
22 11 16 00-1558		EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	94.65	
22 11 16 00-1559		EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	137.80	
22 11 16 00-1560		EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	229.24	
22 11 16 00-1561			**125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs** *(22 11 16 00-1421)*		
22 11 16 00-1562		EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89	
22 11 16 00-1563		EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44	
22 11 16 00-1564		EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19	
22 11 16 00-1565		EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05	
22 11 16 00-1566		EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92	
22 11 16 00-1567		EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12	
22 11 16 00-1568		EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33	
22 11 16 00-1569		EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59	
22 11 16 00-1570		EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06	
22 11 16 00-1571			**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings** *(22 11 16 00-1421)*		
22 11 16 00-1572		EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28	
22 11 16 00-1573		EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89	
22 11 16 00-1574		EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04	
22 11 16 00-1575		EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90	
22 11 16 00-1576		EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78	
22 11 16 00-1577		EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09	
22 11 16 00-1578		EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43	
22 11 16 00-1579		EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81	
22 11 16 00-1580		EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99	
22 11 16 00-1581			**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings** *(22 11 16 00-1421)*		
22 11 16 00-1582		EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04	
22 11 16 00-1583		EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72	
22 11 16 00-1584		EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41	
22 11 16 00-1585		EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22	
22 11 16 00-1586		EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53	
22 11 16 00-1587		EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63	
22 11 16 00-1588		EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70	
22 11 16 00-1589		EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39	
22 11 16 00-1590		EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98	
22 11 16 00-1591			**1/2" Red Brass Pipe Nipples** *(22 11 16 00-1421)*		
			Note: Threaded both ends.		
22 11 16 00-1592		EA	1/2" Diameter x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1593		EA	1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1594		EA	1/2" Diameter x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1595		EA	1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1596		EA	1/2" Diameter x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1597		EA	1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1598		EA	1/2" Diameter x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1599		EA	1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1600		EA	1/2" Diameter x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1601		EA	1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1602		EA	1/2" Diameter x 6" Long, Red Brass Pipe Nipple	39.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1603		**3/4" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1604	EA	3/4" Diameter x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1605	EA	3/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1606	EA	3/4" Diameter x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1607	EA	3/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1608	EA	3/4" Diameter x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1609	EA	3/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1610	EA	3/4" Diameter x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1611	EA	3/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1612	EA	3/4" Diameter x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1613	EA	3/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1614	EA	3/4" Diameter x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1615		**1" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1616	EA	1" Diameter x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1617	EA	1" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1618	EA	1" Diameter x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1619	EA	1" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1620	EA	1" Diameter x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1621	EA	1" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1622	EA	1" Diameter x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1623	EA	1" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1624	EA	1" Diameter x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1625	EA	1" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1626	EA	1" Diameter x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1627		**1-1/4" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1628	EA	1-1/4" Diameter x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1629	EA	1-1/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1630	EA	1-1/4" Diameter x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1631	EA	1-1/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1632	EA	1-1/4" Diameter x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1633	EA	1-1/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1634	EA	1-1/4" Diameter x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1635	EA	1-1/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1636	EA	1-1/4" Diameter x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1637	EA	1-1/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1638	EA	1-1/4" Diameter x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1639		**1-1/2" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1640	EA	1-1/2" Diameter x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1641	EA	1-1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1642	EA	1-1/2" Diameter x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1643	EA	1-1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1644	EA	1-1/2" Diameter x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1645	EA	1-1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1646	EA	1-1/2" Diameter x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1647	EA	1-1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1648	EA	1-1/2" Diameter x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1649	EA	1-1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1650	EA	1-1/2" Diameter x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1651		**2" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1652	EA	2" Diameter x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1653	EA	2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1654	EA	2" Diameter x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1655	EA	2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1656	EA	2" Diameter x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1657	EA	2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1658	EA	2" Diameter x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1659	EA	2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1660	EA	2" Diameter x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1661	EA	2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1662	EA	2" Diameter x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1663		**Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega)** *(22 11 16)* Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1664		**Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing** *(22 11 16 00-1663)*		
22 11 16 00-1665	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	6.00	3.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1666	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	7.85	4.49
22 11 16 00-1667	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	9.15	4.73
22 11 16 00-1668	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	15.07	4.97
22 11 16 00-1669	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	16.34	5.24
22 11 16 00-1670	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	25.08	6.24

22 11 16 00-1671 Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings *(22 11 16 00-1663)*

22 11 16 00-1672 Male Adapters *(22 11 16 00-1671)*

22 11 16 00-1673	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	24.12	13.47
22 11 16 00-1674	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	34.07	17.83
22 11 16 00-1675	EA	1" Diameter, Male Adapter, Bronze Press Fitting	45.59	22.20
22 11 16 00-1676	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	76.14	28.74
22 11 16 00-1677	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	86.69	35.41
22 11 16 00-1678	EA	2" Diameter, Male Adapter, Bronze Press Fitting	114.09	45.01

22 11 16 00-1679 Female Adapters *(22 11 16 00-1671)*

22 11 16 00-1680	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	26.79	13.47
22 11 16 00-1681	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	34.75	17.83
22 11 16 00-1682	EA	1" Diameter, Female Adapter, Bronze Press Fitting	51.02	22.20

22 11 16 00-1683 Tees *(22 11 16 00-1671)*

22 11 16 00-1684	EA	1/2" Diameter, Tee, Bronze Press Fitting	40.70	22.20
22 11 16 00-1685	EA	5/8" Diameter, Tee, Bronze Press Fitting	48.93	26.81
22 11 16 00-1686	EA	3/4" Diameter, Tee, Bronze Press Fitting	50.46	26.81
22 11 16 00-1687	EA	1" Diameter, Tee, Bronze Press Fitting	76.94	35.41
22 11 16 00-1688	EA	1-1/4" Diameter, Tee, Bronze Press Fitting	121.04	44.50
22 11 16 00-1689	EA	1-1/2" Diameter, Tee, Bronze Press Fitting	145.63	53.62
22 11 16 00-1690	EA	2" Diameter, Tee, Bronze Press Fitting	190.25	66.60
22 11 16 00-1691	EA	3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting	50.46	26.81
22 11 16 00-1692	EA	1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting	71.13	35.41
22 11 16 00-1693	EA	1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting	112.55	44.50
22 11 16 00-1694	EA	1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting	136.76	53.62
22 11 16 00-1695	EA	1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting	143.91	53.62
22 11 16 00-1696	EA	2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting	179.27	66.60

22 11 16 00-1697 Couplings *(22 11 16 00-1671)*

22 11 16 00-1698	EA	1/2" Diameter, Coupling, Bronze Press Fitting	24.23	13.47
22 11 16 00-1699	EA	5/8" Diameter, Coupling, Bronze Press Fitting	34.07	17.83
22 11 16 00-1700	EA	3/4" Diameter, Coupling, Bronze Press Fitting	33.61	17.83
22 11 16 00-1701	EA	1" Diameter, Coupling, Bronze Press Fitting	46.36	22.20
22 11 16 00-1702	EA	1-1/4" Diameter, Coupling, Bronze Press Fitting	74.80	28.74
22 11 16 00-1703	EA	1-1/2" Diameter, Coupling, Bronze Press Fitting	97.59	35.41
22 11 16 00-1704	EA	2" Diameter, Coupling, Bronze Press Fitting	129.21	45.01
22 11 16 00-1705	EA	3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting	37.05	17.83
22 11 16 00-1706	EA	1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting	45.97	22.20
22 11 16 00-1707	EA	1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	69.14	28.74
22 11 16 00-1708	EA	1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	88.91	35.41
22 11 16 00-1709	EA	1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting	92.23	35.41
22 11 16 00-1710	EA	2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting	121.77	45.01

22 11 16 00-1711 90 Degree Elbows *(22 11 16 00-1671)*

22 11 16 00-1712	EA	1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	26.03	13.35
22 11 16 00-1713	EA	5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting	34.07	17.83
22 11 16 00-1714	EA	3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	35.40	17.83
22 11 16 00-1715	EA	1" Diameter, 90 Degree Elbow, Bronze Press Fitting	53.51	22.20
22 11 16 00-1716	EA	1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	84.93	28.74
22 11 16 00-1717	EA	1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	106.49	35.41
22 11 16 00-1718	EA	2" Diameter, 90 Degree Elbow, Bronze Press Fitting	141.58	45.01

22 11 19 Domestic Water Piping Specialties *(22 11)*

See CSI section 23 21 16 00-0000 for additional piping specialties.

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.60	2.70
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.08	2.70
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.26	2.70
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.37	2.70
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.78	4.04
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.57	4.04
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.98	5.39
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	57.12	5.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	75.63	5.39
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	89.20	5.39
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	125.39	6.63
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	176.04	8.95
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,476.82	335.43
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	2,004.88	335.43
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	650.79	82.27
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	688.40	82.27
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	33.92	11.31
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	35.97	12.12
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	38.51	12.92
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	42.96	14.54
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	52.36	17.77
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	62.00	21.28
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	79.82	28.01
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	100.52	35.01
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	14.05	4.04
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	14.87	4.04
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	15.74	4.04
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	16.76	4.04
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	17.91	4.04
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	19.39	5.39
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	20.94	5.39
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	347.60	20.31
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	213.14	13.54
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	206.41	13.54
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	178.30	27.08
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	196.43	27.08
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	278.96	36.43
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	422.45	41.43
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	562.67	43.87
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	707.94	51.45
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,190.90	49.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,458.78	82.64
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,849.89	104.32
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0058	EA	2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,216.90	49.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	2,393.40	49.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,869.28	82.64
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	4,251.64	104.32
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,607.90	49.45
22 11 19 00-0064	EA	2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	3,599.15	49.45
22 11 19 00-0065	EA	3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	4,208.28	82.64
22 11 19 00-0066	EA	4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	5,145.39	104.32
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	125.10	33.86
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	143.76	37.91
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	294.96	43.33
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	469.42	50.10
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	560.71	55.52
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	820.82	67.70
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,153.61	84.63
22 11 19 00-0075		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	368.23	33.86
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	321.82	37.91
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	460.33	43.33
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	833.24	50.10
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,014.74	55.52
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,024.20	67.70
22 11 19 00-0082		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	271.05	16.19
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	525.70	19.59
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	765.67	19.59
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,861.21	19.59
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,089.78	19.59
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,559.71	19.59
22 11 19 00-0089		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0090		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0089)*		
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.94	9.03
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	392.60	10.41
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	584.00	11.28
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,438.36	14.56
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,751.81	18.06
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,993.55	19.59
22 11 19 00-0097		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0098		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0097)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0099	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	425.54	33.86
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0100	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	458.79	40.63
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0101	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	486.52	48.88
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0102		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0097)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0103	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	498.23	56.87
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0104		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0097)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0105	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	298.52	41.98
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0106	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	344.41	41.98
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0107	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	344.41	41.98
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0108	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	344.41	41.98
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0109	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	355.09	84.63
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0110	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	355.09	84.63
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0111	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	387.04	84.63
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0112		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0097)*		
		Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0113	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	247.47	33.86
22 11 19 00-0114	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	263.48	33.86
22 11 19 00-0115	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	265.66	33.86
22 11 19 00-0116	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	289.68	33.86
22 11 19 00-0117	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	393.03	47.40
22 11 19 00-0118	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	402.49	47.40
22 11 19 00-0119	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	402.49	47.40
22 11 19 00-0120	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	425.05	47.40
22 11 19 00-0121		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0122		**Dryer Vent Kit** *(22 11 19 00-0121)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0123	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	92.45	17.60
22 11 19 00-0124		**Washer Boxes And Dryer Vents** *(22 11 19 00-0121)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0125	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	327.84	27.08
22 11 19 00-0126		**Ice Maker Outlet Box** *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0127	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	174.65	27.08
22 11 19 00-0128	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	177.76	27.08
22 11 19 00-0129	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	258.99	27.08
22 11 19 00-0130		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0131		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0130)*		
		Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0132	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	612.23	32.78
22 11 19 00-0133	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	166.43	32.78
22 11 19 00-0134	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	346.47	32.78
22 11 19 00-0135	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	396.75	44.17
22 11 19 00-0136		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0130)*		
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0137	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,668.94	47.28
22 11 19 00-0138	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,872.50	58.23
22 11 19 00-0139	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,251.46	67.74
22 11 19 00-0140	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,921.09	71.19
22 11 19 00-0141	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,922.19	92.37
22 11 19 00-0142		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0130)*		
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,261.88	72.82
22 11 19 00-0144	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,548.58	84.68
22 11 19 00-0145	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,472.52	89.00
22 11 19 00-0146	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	7,168.02	115.46
22 11 19 00-0147		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0130)*		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,450.85	47.28
22 11 19 00-0149	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,706.59	58.23
22 11 19 00-0150	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	2,099.74	67.74
22 11 19 00-0151	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,574.34	71.22
22 11 19 00-0152	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,832.66	92.37
22 11 19 00-0153		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0130)*		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,437.60	67.70
22 11 19 00-0155	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,644.00	85.31
22 11 19 00-0156	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,014.86	102.91
22 11 19 00-0157	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,420.50	120.52
22 11 19 00-0158	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,254.27	158.43
22 11 19 00-0159	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,199.54	180.70
22 11 19 00-0160		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0130)*		
22 11 19 00-0161	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,681.33	92.40
22 11 19 00-0162		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0163		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0162)*		
22 11 19 00-0164		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0163)*		
22 11 19 00-0165		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0164)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0166	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	505.82	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0167	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	597.24	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0168	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	688.75	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0169	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	963.90	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0170	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,193.45	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-984.92*	

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22 11 19 00-0171	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,375.04	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-1,104.22*	

22 11 19 00-0172 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer

(22 11 19 00-0164)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

22 11 19 00-0173	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	624.60	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0174	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	771.20	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0175	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	902.02	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0176	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,267.78	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0177	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,551.36	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0178	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,869.18	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-1,598.36*	

22 11 19 00-0179 Flanged Double Check Valve Assemblies *(22 11 19 00-0163)*

22 11 19 00-0180 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

22 11 19 00-0181	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,823.63	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0182	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,497.55	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-7,054.86*	

22 11 19 00-0183 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0184	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,476.65	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0185	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,585.91	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-8,143.22*	

22 11 19 00-0186 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0187	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,870.71	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0188	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,240.19	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0189	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,203.65	498.80
		For Work In Restricted Working Space, Add	*199.42*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0190	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,448.35	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0191	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,455.22	1,085.52
		For Work In Restricted Working Space, Add	*588.38*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0192	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,550.83	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-34,216.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0193		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer** *(22 11 19 00-0179)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0194	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,582.73	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0195	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,914.07	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0196	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,463.36	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-40,128.91*	
22 11 19 00-0197		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0179)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0198	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,297.93	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0199	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	8,018.98	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0200	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,703.91	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0201	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,575.55	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0202	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,221.51	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0203	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,830.26	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-36,495.81*	
22 11 19 00-0204		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0179)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0205	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,346.52	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0206	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,785.17	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0207	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,402.12	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0208	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,714.97	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0209	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,606.55	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0210	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	18,006.29	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-15,671.84*	
22 11 19 00-0211		**N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0179)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		

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22 11 19 00-0212	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,747.18	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0213	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,185.83	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0214	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,742.66	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0215	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,633.15	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0216	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,413.69	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0217	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,672.00	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-24,337.55*	

22 11 19 00-0218 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0219	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,067.94	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0220	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,519.25	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0221	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,148.71	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0222	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,515.90	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0223	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,414.70	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0224	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,541.94	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-16,207.49*	

22 11 19 00-0225 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0226	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,351.15	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0227	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,789.79	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0228	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,347.12	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0229	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,211.86	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0230	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,776.02	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0231	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	26,032.46	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-23,698.01*	

22 11 19 00-0232 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

22 11 19 00-0233	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,726.80	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0234	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,165.45	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-4,722.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0235	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,782.40	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0236	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,104.83	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0237	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,996.41	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0238 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0179)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).

22 11 19 00-0239	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,127.46	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0240	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,566.10	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0241	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,122.94	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0242	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	13,023.09	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0243	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,996.41	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0244 Grooved Double Check Valve Assemblies *(22 11 19 00-0163)*

22 11 19 00-0245 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0244)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).

22 11 19 00-0246	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,067.94	159.62
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0247	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,519.25	177.07
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-4,076.56*	

22 11 19 00-0248 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0244)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).

22 11 19 00-0249	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,351.15	159.62
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0250	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,789.79	177.07
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-5,347.10*	

22 11 19 00-0251 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0162)*

22 11 19 00-0252 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0251)*

22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0254	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	561.33	31.42
		For Work In Restricted Working Space, Add	*23.56*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0255	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	592.89	34.66
		For Work In Restricted Working Space, Add	*26.00*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0256	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	690.40	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0257	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	927.29	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0258	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,100.27	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0259	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,662.38	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0260	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,757.70	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-1,549.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0261	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,109.15	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0262 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0263	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	619.77	31.42
		For Work In Restricted Working Space, Add	*23.56*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0264	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	654.48	34.66
		For Work In Restricted Working Space, Add	*26.00*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0265	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	774.81	51.45
		For Work In Restricted Working Space, Add	*27.22*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0266	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,059.95	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0267	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,266.14	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0268	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,888.59	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0269	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,076.93	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0270	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,500.81	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0271 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0272	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	927.29	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0273	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,100.27	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0274	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,662.38	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0275	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,757.70	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0276	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,109.15	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0277 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0278	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,059.95	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0279	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,266.14	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0280	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,888.59	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0281	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,076.93	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-1,868.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0282	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,500.81	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0283 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0284	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,912.57	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0285	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,263.86	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0286	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,483.37	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0287	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,765.88	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0288	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,368.75	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-4,097.93*	

22 11 19 00-0289 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0290	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,575.69	51.45
		For Work In Restricted Working Space, Add	*38.59*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0291	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,061.82	62.83
		For Work In Restricted Working Space, Add	*47.12*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0292	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,667.85	73.12
		For Work In Restricted Working Space, Add	*54.84*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0293	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,099.02	83.96
		For Work In Restricted Working Space, Add	*62.56*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0294	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,056.88	108.33
		For Work In Restricted Working Space, Add	*81.25*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0295 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0251)*

22 11 19 00-0296 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0297	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,276.20	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0298	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,071.95	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0299 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0300	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,481.52	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0301	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,472.20	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0302 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0303	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,737.54	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0304	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,838.67	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

22 11 19 00-0305 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

22 11 19 00-0306	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,481.52	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0307	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,472.20	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0308 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

22 11 19 00-0309	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,305.10	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0310	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,610.92	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-9,168.23*	

22 11 19 00-0311 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

22 11 19 00-0312	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,777.44	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0313	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,244.12	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0314	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,417.70	498.80
		For Work In Restricted Working Space, Add	*199.42*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0315	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,265.93	723.68
		For Work In Restricted Working Space, Add	*549.10*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0316	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,593.60	1,085.52
		For Work In Restricted Working Space, Add	*823.65*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0317	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,814.46	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-47,480.01*	

22 11 19 00-0318 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0319	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,614.02	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0320	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,124.54	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0321	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,767.54	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0322	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,283.73	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0323	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,945.96	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-38,985.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0324	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,573.81	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0325 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0295)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0326	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,466.19	299.28
		For Work In Restricted Working Space, Add	*119.71*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0327	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,033.59	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0328	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,398.85	498.80
		For Work In Restricted Working Space, Add	*199.42*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0329	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,173.16	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0330	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,200.03	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0331	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,978.02	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0332 Double Check Detector Assemblies *(22 11 19 00-0162)*

22 11 19 00-0333 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0332)*

22 11 19 00-0334 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0333)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0335	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,602.23	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0336	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,013.53	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0337	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,148.59	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0338	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,557.21	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0339	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	29,115.94	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0340 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0333)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0341	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,443.92	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0342	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,882.13	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0343	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,508.42	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0344	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,193.84	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-8,886.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0345	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	18,024.18	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0346	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,254.80	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0347 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0333)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0348	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,824.28	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0349	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,262.49	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0350	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,888.70	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0351	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,583.70	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0352	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,556.43	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0353 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0332)*

22 11 19 00-0354 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0355	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,323.83	299.28
		For Work In Restricted Working Space, Add	*119.72*	
22 11 19 00-0356	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,762.09	336.69
		For Work In Restricted Working Space, Add	*132.81*	
22 11 19 00-0357	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,388.38	498.80
		For Work In Restricted Working Space, Add	*199.40*	
22 11 19 00-0358	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,073.80	723.68
		For Work In Restricted Working Space, Add	*392.19*	
22 11 19 00-0359	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,904.22	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
22 11 19 00-0360	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	21,134.67	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	

22 11 19 00-0361 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0362	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,704.15	299.28
		For Work In Restricted Working Space, Add	*119.72*	
22 11 19 00-0363	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,142.37	336.69
		For Work In Restricted Working Space, Add	*132.81*	
22 11 19 00-0364	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,768.65	498.80
		For Work In Restricted Working Space, Add	*199.40*	
22 11 19 00-0365	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,463.58	723.68
		For Work In Restricted Working Space, Add	*392.19*	
22 11 19 00-0366	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,294.08	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	

22 11 19 00-0367 Flanged Double Check Detector Assemblies *(22 11 19 00-0332)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0368		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0367)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0369	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	6,106.53	299.28
		For Work In Restricted Working Space, Add	*119.72*	
		For Owner Furnished Material, Deduct	*-5,707.48*	
22 11 19 00-0370	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	7,390.58	336.69
		For Work In Restricted Working Space, Add	*132.81*	
		For Owner Furnished Material, Deduct	*-6,947.89*	
22 11 19 00-0371	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	8,202.46	498.80
		For Work In Restricted Working Space, Add	*199.40*	
		For Owner Furnished Material, Deduct	*-7,537.80*	
22 11 19 00-0372	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	10,328.99	723.68
		For Work In Restricted Working Space, Add	*392.19*	
		For Owner Furnished Material, Deduct	*-9,021.70*	
22 11 19 00-0373	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	18,268.57	1,085.52
		For Work In Restricted Working Space, Add	*588.28*	
		For Owner Furnished Material, Deduct	*-16,307.63*	
22 11 19 00-0374	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	24,621.33	1,283.95
		For Work In Restricted Working Space, Add	*700.34*	
		For Owner Furnished Material, Deduct	*-22,286.88*	
22 11 19 00-0375	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	32,853.68	1,540.74
		For Work In Restricted Working Space, Add	*840.40*	
		For Owner Furnished Material, Deduct	*-30,052.34*	
22 11 19 00-0376		**Backflow Preventer Accessories** *(22 11 19 00-0162)*		
22 11 19 00-0377		**Air Gap** *(22 11 19 00-0376)*		
22 11 19 00-0378	EA	Up To 1" Diameter Air Gap For Backflow Preventer	144.32	16.93
22 11 19 00-0379	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	177.58	20.31
22 11 19 00-0380	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	332.93	27.08
22 11 19 00-0381	EA	4" To 6" Diameter Air Gap For Backflow Preventer	658.25	47.40
22 11 19 00-0382	EA	8" To 10" Diameter Air Gap For Backflow Preventer	698.88	67.70
22 11 19 00-0383		**Brass Test Cocks** *(22 11 19 00-0376)*		
22 11 19 00-0384	EA	1/8" Or 1/4" Brass Test Cock	58.74	6.77
22 11 19 00-0385		**Backflow Valve Enclosures** *(22 11 19 00-0162)*		
22 11 19 00-0386		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0385)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0387	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,075.40	121.87
		For Heated Enclosure, Add	*265.61*	
22 11 19 00-0388	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,570.86	121.87
		For Heated Enclosure, Add	*339.93*	
22 11 19 00-0389	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,287.81	112.23
		For Heated Enclosure, Add	*451.09*	
22 11 19 00-0390	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,394.27	149.64
		For Heated Enclosure, Add	*453.03*	
22 11 19 00-0391	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,562.29	149.64
		For Heated Enclosure, Add	*478.23*	
22 11 19 00-0392	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,217.17	149.64
		For Heated Enclosure, Add	*576.46*	
22 11 19 00-0393	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,234.40	149.64
		For Heated Enclosure, Add	*579.05*	
22 11 19 00-0394	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,350.27	149.64
		For Heated Enclosure, Add	*746.43*	
22 11 19 00-0395	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	12,404.87	224.46
		For Heated Enclosure, Add	*1,776.56*	
22 11 19 00-0396	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	18,035.91	224.46
		For Heated Enclosure, Add	*2,621.21*	
22 11 19 00-0397	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	17,131.15	224.46
		For Heated Enclosure, Add	*2,485.50*	
22 11 19 00-0398	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	20,632.59	261.87
		For Heated Enclosure, Add	*2,996.69*	
22 11 19 00-0399		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0385)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0400	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,131.26	32.50
		For Heated Enclosure, Add	*215.42*	
22 11 19 00-0401	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,587.95	32.50
		For Heated Enclosure, Add	*306.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0402	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,005.88	29.93
		For Heated Enclosure, Add	*391.20*	
22 11 19 00-0403	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,048.51	29.93
		For Heated Enclosure, Add	*599.73*	
22 11 19 00-0404	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,917.53	56.12
		For Heated Enclosure, Add	*1,564.80*	
22 11 19 00-0405	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	10,834.30	56.12
		For Heated Enclosure, Add	*2,148.15*	
22 11 19 00-0406	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,193.72	56.12
		For Heated Enclosure, Add	*1,420.04*	
22 11 19 00-0407	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,150.18	56.12
		For Heated Enclosure, Add	*1,611.33*	
22 11 19 00-0408	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	12,790.30	56.12
		For Heated Enclosure, Add	*2,539.35*	

22 11 19 00-0409 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0385)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0410	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	16,122.99	224.46
		For Heated Enclosure, Add	*2,334.27*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0411	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	17,790.33	224.46
		For Heated Enclosure, Add	*2,584.38*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0412	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	12,607.36	224.46
		For Heated Enclosure, Add	*1,806.93*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0413	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	13,839.56	224.46
		For Heated Enclosure, Add	*1,991.76*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0414	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	16,081.69	299.28
		For Heated Enclosure, Add	*2,300.02*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0415	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	18,054.92	299.28
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0416	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	18,054.92	299.28
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0417	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	19,967.84	299.28
		For Heated Enclosure, Add	*2,882.95*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0418	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	14,971.39	261.87
		For Heated Enclosure, Add	*2,147.51*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0419	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	17,533.61	299.28
		For Heated Enclosure, Add	*2,517.81*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0420	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	20,519.31	299.28
		For Heated Enclosure, Add	*2,965.67*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0421	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	22,530.69	317.99
		For Heated Enclosure, Add	*3,260.36*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0422	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	23,026.15	317.99
		For Heated Enclosure, Add	*3,334.68*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0423	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	25,537.31	336.69
		For Heated Enclosure, Add	*3,704.34*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0424	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	26,523.92	336.69
		For Heated Enclosure, Add	*3,852.33*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0425	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	19,226.80	299.28
		For Heated Enclosure, Add	*2,771.79*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0426	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	20,506.38	299.28
		For Heated Enclosure, Add	*2,963.73*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0427	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	23,215.72	317.99
		For Heated Enclosure, Add	*3,363.11*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0428	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	28,165.41	336.69
		For Heated Enclosure, Add	*4,098.55*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0429	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	24,550.69	336.69
		For Heated Enclosure, Add	*3,556.34*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0430	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	29,530.53	355.40
		For Heated Enclosure, Add	*4,296.31*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0431	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	28,543.92	355.40
		For Heated Enclosure, Add	*4,148.31*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0432	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	33,084.32	374.10
		For Heated Enclosure, Add	*4,822.36*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0433	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	30,563.92	374.10
		For Heated Enclosure, Add	*4,444.30*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0434	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	35,690.25	392.81
		For Heated Enclosure, Add	*5,206.23*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0435	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	35,737.01	411.51
		For Heated Enclosure, Add	*5,206.23*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0436	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	42,397.13	430.22
		For Heated Enclosure, Add	*6,198.24*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

22 11 19 00-0437 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0438 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0437)*

22 11 19 00-0439	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	72.36	13.54
22 11 19 00-0440	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	83.73	14.89
22 11 19 00-0441	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	21.44	10.16

22 11 19 00-0442 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0437)*

22 11 19 00-0443	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	237.21	41.43

22 11 19 00-0444 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0437)*

22 11 19 00-0445	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	151.68	33.86
22 11 19 00-0446	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	164.82	37.51
22 11 19 00-0447	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	174.55	39.68
22 11 19 00-0448	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	184.28	42.51
22 11 19 00-0449	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	194.16	45.10

22 11 19 00-0450 Escutcheons *(22 11 19)*

22 11 19 00-0451 Brass Escutcheons *(22 11 19 00-0450)*

22 11 19 00-0452 Shallow Brass Escutcheons *(22 11 19 00-0451)*

22 11 19 00-0453	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.78	3.39
22 11 19 00-0454	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.89	3.39

22 11 19 00-0455 Deep Bell Brass Escutcheons *(22 11 19 00-0451)*

22 11 19 00-0456	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.32	3.79
22 11 19 00-0457	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.36	3.79

22 11 19 00-0458 Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0451)*

22 11 19 00-0459	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.07	3.39
22 11 19 00-0460	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.31	3.39
22 11 19 00-0461	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.65	3.39
22 11 19 00-0462	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.89	3.39
22 11 19 00-0463	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.31	4.07
22 11 19 00-0464	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.51	4.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0465	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.54	4.47
22 11 19 00-0466	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.84	4.74
22 11 19 00-0467	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	41.00	5.42
22 11 19 00-0468		**Plastic Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0469		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0468)*		
22 11 19 00-0470	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	8.14	3.37
22 11 19 00-0471	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	8.14	3.37
22 11 19 00-0472	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	9.47	3.77
22 11 19 00-0473	EA	1" IPS, Split-Ring White Plastic Escutcheon	10.27	4.04
22 11 19 00-0474	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	11.07	4.44
22 11 19 00-0475	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.82	4.72
22 11 19 00-0476	EA	2" IPS, Split-Ring White Plastic Escutcheon	13.33	5.39
22 11 19 00-0477	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.95	5.79
22 11 19 00-0478	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.58	6.06
22 11 19 00-0479	EA	4" IPS, Split-Ring White Plastic Escutcheon	24.88	6.73
22 11 19 00-0480		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0468)*		
22 11 19 00-0481	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	10.56	3.37
22 11 19 00-0482	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	11.54	3.77
22 11 19 00-0483	EA	1" IPS, Chrome Plate Plastic Escutcheon	12.94	4.04
22 11 19 00-0484	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	14.33	4.44
22 11 19 00-0485	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	15.11	4.72
22 11 19 00-0486	EA	2" IPS, Chrome Plate Plastic Escutcheon	18.94	5.39
22 11 19 00-0487	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	27.05	5.79
22 11 19 00-0488	EA	3" IPS, Chrome Plate Plastic Escutcheon	28.04	6.06
22 11 19 00-0489	EA	4" IPS, Chrome Plate Plastic Escutcheon	30.01	6.73
22 11 19 00-0490		**Stainless Steel Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0491		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0492	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	20.32	3.39
22 11 19 00-0493	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	20.32	3.39
22 11 19 00-0494	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	28.75	3.79
22 11 19 00-0495		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0450)*		
22 11 19 00-0496		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0497	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.44	3.37
22 11 19 00-0498	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.11	3.77
22 11 19 00-0499	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.92	4.04
22 11 19 00-0500	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.59	4.44
22 11 19 00-0501	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.26	4.72
22 11 19 00-0502	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.82	5.39
22 11 19 00-0503	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.23	5.79
22 11 19 00-0504	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.29	6.06
22 11 19 00-0505	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.26	6.47
22 11 19 00-0506	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.98	6.73
22 11 19 00-0507	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.45	7.40
22 11 19 00-0508	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	29.55	8.08
22 11 19 00-0509		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0510	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.40	3.37
22 11 19 00-0511	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.40	3.37
22 11 19 00-0512	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.22	3.77
22 11 19 00-0513	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.70	4.04
22 11 19 00-0514	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.60	4.44
22 11 19 00-0515	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.47	4.72
22 11 19 00-0516	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.30	5.39
22 11 19 00-0517	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.93	5.79
22 11 19 00-0518	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	25.35	6.06
22 11 19 00-0519	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.89	6.47
22 11 19 00-0520	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	31.43	6.73
22 11 19 00-0521	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	50.97	7.40
22 11 19 00-0522	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.30	8.08
22 11 19 00-0523		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0524	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.05	3.79
22 11 19 00-0525	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.94	3.79
22 11 19 00-0526	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.69	3.79
22 11 19 00-0527	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.60	4.07
22 11 19 00-0528	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.42	4.47
22 11 19 00-0529	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.45	4.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0530		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0495)*		
22 11 19 00-0531	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	8.23	3.39
22 11 19 00-0532	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	8.23	3.39
22 11 19 00-0533	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.35	3.39
22 11 19 00-0534	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	8.90	4.07
22 11 19 00-0535	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	9.64	4.47
22 11 19 00-0536	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	10.65	4.74
22 11 19 00-0537	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	12.09	5.42
22 11 19 00-0538		**Keyed, Recessed Valve Boxes** *(22 11 19)*		
22 11 19 00-0539	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	416.51	40.40
22 11 19 00-0540	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	464.48	40.40
22 11 19 00-0541	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	536.42	40.40
22 11 19 00-0542	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	515.38	53.86
22 11 19 00-0543	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	587.33	53.86
22 11 19 00-0544	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	608.91	53.86
22 11 19 00-0545	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	493.26	40.40
22 11 19 00-0546	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	598.78	40.40
22 11 19 00-0547	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	692.31	40.40
22 11 19 00-0548	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	649.68	53.86
22 11 19 00-0549	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	743.21	53.86
22 11 19 00-0550	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	779.18	53.86
22 11 23		**Domestic Water Pumps** *(22 11)*		
22 11 23 13		**Domestic Water Packaged Booster Pumps** *(22 11 23)*		
		Note: Includes motor starter and controls.		
22 11 23 13-0001		**Simplex Domestic Water Packaged Booster Pumps And Tank** *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,684.97	399.05
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,297.93	536.21
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,045.91	673.38
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,726.38	810.56
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	22,892.05	947.73
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	25,395.26	1,084.90
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	27,088.37	1,222.07
22 11 23 13-0009		**Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	49,750.00	1,617.89
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	60,159.53	1,719.00
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	70,612.09	1,820.12
22 11 23 13-0013		**Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	65,914.67	1,719.00
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	82,398.31	1,820.12
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	102,663.79	2,022.36
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	130,411.79	2,224.59
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	158,159.79	2,426.83
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	184,353.03	2,730.18
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	210,546.27	3,033.53
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	236,739.52	3,336.90
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	263,185.57	3,741.36
22 11 23 13-0023		**Variable Speed Duplex Domestic Water Pressure Booster Skid** *(22 11 23 13)*		
		Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	44,480.10	1,790.11
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	46,533.75	1,790.11
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	49,468.16	1,790.11
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	53,698.10	1,790.11
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	50,646.48	1,901.98
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	54,339.03	1,901.98
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	59,353.85	1,901.98
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	63,429.93	1,901.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	55,352.34	2,013.87
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	58,998.06	2,013.87
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	67,150.21	2,013.87
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	80,832.26	2,013.87
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	58,485.21	2,013.87
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	65,921.59	2,013.87
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	82,290.55	2,013.87
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	81,817.83	2,013.87
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	97,615.70	2,237.63
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	66,955.95	2,237.63
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	81,862.16	2,237.63
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	81,391.67	2,237.63
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	98,347.07	2,237.63
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	119,086.44	2,237.63
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	56,324.80	1,790.11

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	56,324.80	1,790.11
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	63,054.34	1,790.11
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	68,860.74	1,790.11
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	63,334.05	1,901.98
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	69,100.31	1,901.98
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	64,680.85	1,901.98
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	69,637.69	1,901.98
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	76,454.19	1,901.98
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	82,104.50	1,901.98
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	65,286.10	2,013.87
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	70,242.94	2,013.87
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	77,057.21	2,013.87
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	82,707.52	2,013.87
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	70,860.60	2,013.87
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	75,621.22	2,013.87
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	87,383.41	2,013.87
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	106,577.53	2,013.87
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	72,392.20	2,237.63
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	77,155.05	2,237.63
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	88,917.25	2,237.63
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	108,109.14	2,237.63
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	76,383.54	2,237.63
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	87,073.20	2,237.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	110,294.34	2,237.63
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	112,544.21	2,237.63
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	139,500.26	2,237.63
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	86,544.19	2,685.15
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	104,161.84	2,685.15
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	110,842.32	2,685.15
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	133,757.97	2,685.15
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	165,824.73	2,685.15

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,216.45	224.46
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,248.64	224.46
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,306.65	228.83
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,439.60	238.18
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,575.76	247.08
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,747.19	247.08
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,103.32	272.04
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,279.34	298.86
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,180.13	328.82
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,295.17	361.89
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,790.83	397.45
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,295.13	437.38
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,554.44	458.59

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,266.72	224.46
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,115.13	224.46
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,124.16	228.83
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,160.93	233.82
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,169.64	238.18
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,210.74	247.08
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,701.55	272.04
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,485.04	328.82
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,671.98	361.89
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,285.42	397.45
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,781.24	437.38
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,757.89	458.59
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,068.50	481.69
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,523.78	529.48
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,167.23	561.55
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,077.75	623.94
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,630.78	748.85
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,283.18	873.89

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	46,608.63	10,718.81
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	53,020.11	10,718.81
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	95,772.81	16,541.39
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	123,612.44	21,437.61

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	56,107.12	10,718.81
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	78,428.59	10,718.81
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	116,845.57	16,541.39
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	168,411.05	21,437.61

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,910.42	498.80
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,605.69	623.50
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,648.20	685.86
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,352.01	748.20
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,594.22	810.56
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,577.92	872.91
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,582.94	935.26
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,891.38	997.61
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,608.66	1,059.96
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,744.39	1,122.31

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,491.69	498.80
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,785.07	623.50
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,982.25	685.86
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,393.23	748.20
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,280.61	748.20
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,708.21	810.56
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,506.84	872.91
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	10,001.39	872.91
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	9,127.05	872.91
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,484.85	935.26
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,543.48	997.61
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,722.50	1,059.96
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,488.23	1,122.31

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	800.93	280.57
		For Saddle Assembly, Add	*893.29*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	938.18	327.34
		For Saddle Assembly, Add	*893.29*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,112.85	374.10
		For Saddle Assembly, Add	*1,020.60*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,354.94	420.86
		For Saddle Assembly, Add	*1,517.35*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,624.46	467.63
		For Two Tie Down Bands, Add	*513.95*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,096.10	634.31
		For Two Tie Down Bands, Add	*548.90*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,128.90	740.02
		For Three Tie Down Bands, Add	*935.68*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,510.03	845.74
		For Three Tie Down Bands, Add	*943.17*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,627.00	951.46
		For Four Tie Down Bands, Add	*1,277.52*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,590.36	1,057.18
		For Four Tie Down Bands, Add	*1,786.75*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,413.62	1,162.90
		For Four Tie Down Bands, Add	*2,345.91*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,902.55	1,268.61
		For Four Tie Down Bands, Add	*2,535.62*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,657.78	1,691.49
		For Four Tie Down Bands, Add	*2,865.13*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	20,245.62	1,691.49
		For Five Tie Down Bands, Add	*4,492.53*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	875.71	374.10
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	1,054.16	397.48
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,157.73	420.86
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,402.30	467.63
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,599.39	561.16
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,888.85	654.68
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,635.36	845.74
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,411.52	1,057.18
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,582.10	1,268.61
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,987.31	1,480.05
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,797.91	1,691.49
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,903.06	1,902.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	13,493.00	2,114.35
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,868.26	2,325.79
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	17,127.19	2,537.23
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	19,343.69	2,748.67
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,931.59	2,960.10
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	28,788.94	3,382.97

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In Assemblies *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0390 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,186.01
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,564.70
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,080.96
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	698.86
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	823.57
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,052.24
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,118.20
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	676.03
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,080.96
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,113.37
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,051.00
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,186.01
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,857.59
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,149.41

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,539.53
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,097.09
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,329.72
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	833.98
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,122.80
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,188.98
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	789.20
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,342.18
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,172.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,141.09	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,539.53	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	769.19	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,048.54	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	665.47	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	417.61	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	561.42	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	594.47	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	425.77	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	670.47	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	586.12	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	571.15	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	760.44	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	699.69	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	774.38	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	663.93	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	400.66	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	469.65	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	637.47	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	646.49	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	396.29	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	663.93	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	705.03	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	650.36	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	699.54	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,080.70	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	673.75	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	852.78	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,013.75	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	741.38	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	446.47	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	654.60	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	683.82	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	434.65	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	752.48	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	724.99	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	697.17	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	852.78	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	425.87	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	506.27	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	371.06	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	223.29	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	327.27	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	341.61	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	217.32	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	376.13	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	362.53	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	349.11	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	417.60	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	38.80	7.85
		For Work In Restricted Working Space, Add	*5.76*	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	55.38	11.85
		For Work In Restricted Working Space, Add	*7.82*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	71.84	15.09
		For Work In Restricted Working Space, Add	*10.05*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	83.56	18.21
		For Work In Restricted Working Space, Add	*10.25*	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	98.10	19.84
		For Work In Restricted Working Space, Add	*11.38*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	155.64	28.29
		For Work In Restricted Working Space, Add	*16.02*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	228.16	28.29
		For Work In Restricted Working Space, Add	*18.14*	
22 13 16 00-0010		**Aboveground No Hub Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.57	7.48
		For Work In Restricted Working Space, Add	*6.57*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.80	7.98
		For Work In Restricted Working Space, Add	*7.06*	
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.03	11.60
		For Work In Restricted Working Space, Add	*8.66*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.63	15.09
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	79.92	17.86
		For Work In Restricted Working Space, Add	*12.12*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.35	19.49
		For Work In Restricted Working Space, Add	*13.21*	
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	143.64	28.06
		For Work In Restricted Working Space, Add	*18.26*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	206.67	31.87
		For Work In Restricted Working Space, Add	*21.23*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	27.55	7.85
		For Extra Heavy Pipe, Add	*6.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.59*	
		For Work In Restricted Working Space, Add	*3.56*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	40.29	11.85
		For Extra Heavy Pipe, Add	*9.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.89*	
		For Work In Restricted Working Space, Add	*5.35*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	51.89	15.09
		For Extra Heavy Pipe, Add	*12.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.13*	
		For Work In Restricted Working Space, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	68.47	18.21
		For Extra Heavy Pipe, Add	*17.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.36*	
		For Work In Restricted Working Space, Add	*8.17*	
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	79.93	19.84
		For Extra Heavy Pipe, Add	*21.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.91*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	120.55	28.29
		For Extra Heavy Pipe, Add	*32.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.12*	
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	177.79	31.87
		For Extra Heavy Pipe, Add	*54.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.39*	
		For Work In Restricted Working Space, Add	*14.33*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	252.57	42.50
		For Extra Heavy Pipe, Add	*79.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.18*	
		For Work In Restricted Working Space, Add	*19.10*	
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	352.50	50.98
		For Extra Heavy Pipe, Add	*115.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.82*	
		For Work In Restricted Working Space, Add	*22.92*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	119.58	35.79
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	201.22	45.01
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	268.07	59.85
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	415.78	77.03
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.77*	
		For Work In Restricted Working Space, Add	*34.64*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	819.02	99.57
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.46*	
		For Work In Restricted Working Space, Add	*44.77*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,119.19	122.49
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.10*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,714.88	170.96
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.82*	
		For Work In Restricted Working Space, Add	*76.90*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,177.88	238.05
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.85*	
		For Work In Restricted Working Space, Add	*107.07*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	102.17	35.79
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	172.00	45.01
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	235.21	59.85
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	349.72	65.48
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.44*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	422.04	77.03
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.77*	
		For Work In Restricted Working Space, Add	*34.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	693.08	99.57
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.46*	
		For Work In Restricted Working Space, Add	*44.77*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,011.73	122.49
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.10*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,674.80	170.96
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.82*	
		For Work In Restricted Working Space, Add	*76.90*	
22 13 16 00-0049		**Bell And Spigot Cast Iron 1/4 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	92.28	35.66
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.06*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	137.71	40.16
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	196.46	53.49
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.01*	
		For Work In Restricted Working Space, Add	*24.05*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	243.79	58.48
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.28*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	293.21	70.04
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	604.28	91.69
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.23*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	889.13	111.27
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.34*	
		For Work In Restricted Working Space, Add	*50.04*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,170.91	131.33
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.85*	
		For Work In Restricted Working Space, Add	*59.08*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,981.08	207.14
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.52*	
		For Work In Restricted Working Space, Add	*93.15*	
22 13 16 00-0059		**Bell And Spigot Cast Iron 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	84.58	35.79
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	131.27	45.01
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	186.61	59.85
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	231.86	73.18
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.90*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	267.89	81.59
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.12*	
		For Work In Restricted Working Space, Add	*36.72*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	528.73	109.84
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.23*	
		For Work In Restricted Working Space, Add	*49.40*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	737.93	135.50
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.16*	
		For Work In Restricted Working Space, Add	*60.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,188.66	175.73
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.17*	
		For Work In Restricted Working Space, Add	*79.02*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,266.74	207.14
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.52*	
		For Work In Restricted Working Space, Add	*93.15*	
22 13 16 00-0069		**Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	149.68	79.93
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*35.97*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	187.03	87.54
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	246.17	114.73
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	312.54	125.94
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.44*	
		For Work In Restricted Working Space, Add	*56.66*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	391.41	149.29
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.19*	
		For Work In Restricted Working Space, Add	*67.16*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	711.60	200.57
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.04*	
		For Work In Restricted Working Space, Add	*90.22*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	993.27	227.55
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.06*	
		For Work In Restricted Working Space, Add	*102.33*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,464.43	276.97
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.76*	
		For Work In Restricted Working Space, Add	*124.58*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,262.45	310.76
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.29*	
		For Work In Restricted Working Space, Add	*139.77*	
22 13 16 00-0079		**Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	232.39	83.55
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.59*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	283.00	103.25
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.74*	
		For Work In Restricted Working Space, Add	*46.46*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	314.79	105.87
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.94*	
		For Work In Restricted Working Space, Add	*47.64*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	460.42	133.76
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.14*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	472.29	136.21
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	494.57	145.32
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.89*	
		For Work In Restricted Working Space, Add	*65.36*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	723.98	161.29
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.09*	
		For Work In Restricted Working Space, Add	*72.54*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	756.46	164.39
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.32*	
		For Work In Restricted Working Space, Add	*73.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	774.98	172.15
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	914.80	191.49
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.15*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,123.86	179.43
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.45*	
		For Work In Restricted Working Space, Add	*80.71*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,169.16	187.31
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.05*	
		For Work In Restricted Working Space, Add	*84.27*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,279.21	207.14
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.52*	
		For Work In Restricted Working Space, Add	*93.15*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,687.39	219.67
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.47*	
		For Work In Restricted Working Space, Add	*98.80*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,736.29	219.67
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.47*	
		For Work In Restricted Working Space, Add	*98.80*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,807.81	238.05
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.85*	
		For Work In Restricted Working Space, Add	*107.07*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,120.71	249.87
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.73*	
		For Work In Restricted Working Space, Add	*112.36*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,574.48	257.27
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.29*	
		For Work In Restricted Working Space, Add	*115.72*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,243.52	242.59
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.19*	
		For Work In Restricted Working Space, Add	*109.11*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,429.48	262.53
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.68*	
		For Work In Restricted Working Space, Add	*118.10*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,520.68	273.87
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.53*	
		For Work In Restricted Working Space, Add	*123.18*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,626.16	283.18
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.22*	
		For Work In Restricted Working Space, Add	*127.34*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,743.78	299.66
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.46*	
		For Work In Restricted Working Space, Add	*134.77*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	162.43	79.93
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*35.97*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	194.89	87.54
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	259.85	114.73
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	357.30	132.13
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.90*	
		For Work In Restricted Working Space, Add	*59.41*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	447.32	163.88
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.28*	
		For Work In Restricted Working Space, Add	*73.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	814.68	215.97
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.19*	
		For Work In Restricted Working Space, Add	*97.13*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,173.45	283.18
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.22*	
		For Work In Restricted Working Space, Add	*127.34*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,572.14	364.01
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.29*	
		For Work In Restricted Working Space, Add	*163.73*	
22 13 16 00-0112		**Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	173.03	83.55
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.59*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	242.53	103.25
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.74*	
		For Work In Restricted Working Space, Add	*46.46*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	261.38	105.87
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.94*	
		For Work In Restricted Working Space, Add	*47.64*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	383.82	133.76
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.14*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	399.57	136.21
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	423.61	145.32
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.89*	
		For Work In Restricted Working Space, Add	*65.36*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	581.70	161.29
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.09*	
		For Work In Restricted Working Space, Add	*72.54*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	598.04	172.15
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	753.78	191.49
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.15*	
22 13 16 00-0122		**Bell And Spigot Cast Iron Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	260.95	95.65
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.17*	
		For Work In Restricted Working Space, Add	*43.00*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	378.19	120.58
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.22*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	512.23	152.51
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.44*	
		For Work In Restricted Working Space, Add	*68.62*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	972.77	229.36
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.19*	
		For Work In Restricted Working Space, Add	*103.16*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,937.18	271.12
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.32*	
		For Work In Restricted Working Space, Add	*121.93*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,563.70	303.36
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.74*	
		For Work In Restricted Working Space, Add	*136.44*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,787.27	364.01
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.29*	
		For Work In Restricted Working Space, Add	*163.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,999.36	382.03
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*28.65*	
		For Work In Restricted Working Space, Add	*171.92*	
22 13 16 00-0131		**Bell And Spigot Cast Iron Reducing Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	239.00	113.10
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.88*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	277.61	129.94
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.74*	
		For Work In Restricted Working Space, Add	*58.46*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	300.31	136.30
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.22*	
		For Work In Restricted Working Space, Add	*61.33*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	381.60	159.09
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.92*	
		For Work In Restricted Working Space, Add	*71.55*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	404.32	165.16
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.38*	
		For Work In Restricted Working Space, Add	*74.28*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	464.63	180.11
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.50*	
		For Work In Restricted Working Space, Add	*81.01*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	745.26	208.93
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.66*	
		For Work In Restricted Working Space, Add	*93.94*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	812.96	247.25
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.54*	
		For Work In Restricted Working Space, Add	*111.23*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	793.98	223.49
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.76*	
		For Work In Restricted Working Space, Add	*100.54*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	925.45	262.53
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.68*	
		For Work In Restricted Working Space, Add	*118.10*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,138.10	286.16
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.45*	
		For Work In Restricted Working Space, Add	*128.72*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,162.52	292.73
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.95*	
		For Work In Restricted Working Space, Add	*131.68*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,482.59	318.52
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.88*	
		For Work In Restricted Working Space, Add	*143.26*	
22 13 16 00-0145		**Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	218.79	95.65
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.17*	
		For Work In Restricted Working Space, Add	*43.00*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	294.60	127.94
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.59*	
		For Work In Restricted Working Space, Add	*57.56*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	384.41	159.99
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.99*	
		For Work In Restricted Working Space, Add	*71.94*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	832.59	256.32
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.22*	
		For Work In Restricted Working Space, Add	*115.30*	
22 13 16 00-0150		**Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	291.22	114.73
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	345.12	129.94
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.74*	
		For Work In Restricted Working Space, Add	*58.46*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	387.35	144.66
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.84*	
		For Work In Restricted Working Space, Add	*65.04*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	765.24	191.19
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.33*	
		For Work In Restricted Working Space, Add	*86.01*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	178.81	80.06
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*36.00*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	203.06	87.54
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	324.27	107.25
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	465.66	116.49
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.42*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	558.61	139.72
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.48*	
		For Work In Restricted Working Space, Add	*62.85*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,193.96	183.25
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.74*	
		For Work In Restricted Working Space, Add	*82.43*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,790.98	223.49
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.76*	
		For Work In Restricted Working Space, Add	*100.54*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,667.85	262.53
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.68*	
		For Work In Restricted Working Space, Add	*118.10*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	237.97	83.55
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.59*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	281.65	97.89
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	294.65	97.89
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	443.09	133.76
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.14*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	461.15	136.21
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	500.14	145.32
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.89*	
		For Work In Restricted Working Space, Add	*65.36*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	848.64	172.15
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,063.98	191.49
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.15*	
22 13 16 00-0173		**Bell And Spigot Cast Iron Vent Tees** *(22 13 16 00-0030)*		
22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	154.26	79.93
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*35.97*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	191.05	87.54
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	252.98	114.73
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	318.92	132.13
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.90*	
		For Work In Restricted Working Space, Add	*59.41*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	401.39	163.88
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.28*	
		For Work In Restricted Working Space, Add	*73.70*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	686.18	215.97
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.19*	
		For Work In Restricted Working Space, Add	*97.13*	
22 13 16 00-0180		**Bell And Spigot Cast Iron Tapped Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	158.29	79.93
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*35.97*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	174.65	87.54
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	225.43	114.73
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0184		**Bell And Spigot Cast Iron Tapped Sanitary Crosses** *(22 13 16 00-0030)*		
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	160.83	79.93
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*35.97*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	179.48	87.54
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	237.56	114.73
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0188		**Bell And Spigot Cast Iron Reducers** *(22 13 16 00-0030)*		
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	89.13	45.01
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	111.80	59.36
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.72*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	119.24	59.85
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	149.02	70.73
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.84*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	155.73	71.66
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.38*	
		For Work In Restricted Working Space, Add	*32.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	160.67	73.18
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.90*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	207.22	75.40
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.65*	
		For Work In Restricted Working Space, Add	*33.92*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	234.56	93.01
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.83*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	240.74	95.39
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.92*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	248.70	99.57
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.46*	
		For Work In Restricted Working Space, Add	*44.77*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	309.92	111.75
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.27*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	326.73	117.36
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.80*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	348.01	122.49
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.10*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	431.40	132.75
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.95*	
		For Work In Restricted Working Space, Add	*59.69*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	481.53	155.32
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.65*	
		For Work In Restricted Working Space, Add	*69.88*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	521.25	176.92
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.27*	
		For Work In Restricted Working Space, Add	*79.59*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	571.57	203.79
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.28*	
		For Work In Restricted Working Space, Add	*91.66*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	743.71	203.79
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.28*	
		For Work In Restricted Working Space, Add	*91.66*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	791.47	219.67
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.47*	
		For Work In Restricted Working Space, Add	*98.80*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	824.29	231.61
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.37*	
		For Work In Restricted Working Space, Add	*104.19*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	868.74	247.25
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.54*	
		For Work In Restricted Working Space, Add	*111.23*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	90.77	35.79
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	121.44	45.01
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	165.41	59.85
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	260.43	65.48
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	349.20	77.03
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.77*	
		For Work In Restricted Working Space, Add	*34.64*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	773.17	99.57
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.46*	
		For Work In Restricted Working Space, Add	*44.77*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	857.75	122.49
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.18*	
		For Work In Restricted Working Space, Add	*55.10*	
22 13 16 00-0218		**Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	104.88	35.79
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	149.17	45.01
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	216.97	59.85
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	353.49	73.18
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.90*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	375.31	81.59
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.12*	
		For Work In Restricted Working Space, Add	*36.72*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	242.19	86.42
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	322.96	113.61
		For Above Ground Cast Iron Pipe Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.59*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	432.60	127.11
		For Above Ground Cast Iron Pipe Installation, Add	*9.61*	
		For Work In Restricted Working Space, Add	*57.65*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	865.10	144.04
		For Above Ground Cast Iron Pipe Installation, Add	*10.89*	
		For Work In Restricted Working Space, Add	*65.36*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,827.61	170.24
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,061.80	189.94
		For Above Ground Cast Iron Pipe Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.15*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	310.34	119.34
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.22*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	423.15	150.63
		For Above Ground Cast Iron Pipe Installation, Add	*11.44*	
		For Work In Restricted Working Space, Add	*68.62*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	965.04	178.00
		For Above Ground Cast Iron Pipe Installation, Add	*13.50*	
		For Work In Restricted Working Space, Add	*81.01*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,119.63	215.47
		For Above Ground Cast Iron Pipe Installation, Add	*16.33*	
		For Work In Restricted Working Space, Add	*97.95*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,046.46	206.42
		For Above Ground Cast Iron Pipe Installation, Add	*15.66*	
		For Work In Restricted Working Space, Add	*93.94*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,343.69	245.09
		For Above Ground Cast Iron Pipe Installation, Add	*18.54*	
		For Work In Restricted Working Space, Add	*111.23*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,445.55	282.82
		For Above Ground Cast Iron Pipe Installation, Add	*21.45*	
		For Work In Restricted Working Space, Add	*128.72*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,150.49	326.99
		For Above Ground Cast Iron Pipe Installation, Add	*24.77*	
		For Work In Restricted Working Space, Add	*148.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,962.83	378.21
		For Above Ground Cast Iron Pipe Installation, Add	*28.66*	
		For Work In Restricted Working Space, Add	*171.98*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	186.06	
		For Above Ground Cast Iron Pipe Installation, Add	*2.68*	
		For Work In Restricted Working Space, Add	*16.05*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	256.23	
		For Above Ground Cast Iron Pipe Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.03*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	296.23	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.16*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	365.63	
		For Above Ground Cast Iron Pipe Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	444.01	
		For Above Ground Cast Iron Pipe Installation, Add	*5.65*	
		For Work In Restricted Working Space, Add	*33.90*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	838.94	
		For Above Ground Cast Iron Pipe Installation, Add	*7.14*	
		For Work In Restricted Working Space, Add	*42.84*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	14.89	
		For Above Ground Cast Iron Pipe Installation, Add	*0.74*	
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	16.25	
		For Above Ground Cast Iron Pipe Installation, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.88*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	20.31	
		For Above Ground Cast Iron Pipe Installation, Add	*1.02*	
		For Work In Restricted Working Space, Add	*6.09*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	24.37	
		For Above Ground Cast Iron Pipe Installation, Add	*1.22*	
		For Work In Restricted Working Space, Add	*7.31*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	32.50	
		For Above Ground Cast Iron Pipe Installation, Add	*1.63*	
		For Work In Restricted Working Space, Add	*9.75*	
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	37.91	
		For Above Ground Cast Iron Pipe Installation, Add	*1.90*	
		For Work In Restricted Working Space, Add	*11.37*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	44.68	
		For Above Ground Cast Iron Pipe Installation, Add	*2.23*	
		For Work In Restricted Working Space, Add	*13.40*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	51.45	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.88
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	13.81
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.69
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.41
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	21.87	7.48
		For Below Ground Installation, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.37*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	23.20	7.98
		For Below Ground Installation, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.62*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	32.88	11.60
		For Below Ground Installation, Add	*0.87*	
		For Work In Restricted Working Space, Add	*5.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	42.67	15.09
		For Below Ground Installation, Add	*1.13*	
		For Work In Restricted Working Space, Add	*6.80*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	54.64	17.86
		For Below Ground Installation, Add	*1.34*	
		For Work In Restricted Working Space, Add	*8.04*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	63.64	19.49
		For Below Ground Installation, Add	*1.46*	
		For Work In Restricted Working Space, Add	*8.76*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	97.16	28.06
		For Below Ground Installation, Add	*2.10*	
		For Work In Restricted Working Space, Add	*12.59*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	139.23	31.87
		For Below Ground Installation, Add	*2.39*	
		For Work In Restricted Working Space, Add	*14.33*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	78.12	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	80.97	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	95.80	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	132.58	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	184.30	58.95
		For Below Ground Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.50*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	218.55	70.27
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.63*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	445.72	90.97
		For Below Ground Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.93*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	124.61	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	187.49	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	75.18	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	91.22	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	130.18	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	185.20	58.95
		For Below Ground Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.50*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	204.49	70.27
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.63*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	403.22	90.97
		For Below Ground Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.93*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	660.27	127.38
		For Below Ground Installation, Add	*9.55*	
		For Work In Restricted Working Space, Add	*57.30*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	68.05	33.92
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	71.20	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	84.75	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	115.89	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	167.45	58.95
		For Below Ground Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.50*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	193.13	70.27
		For Below Ground Installation, Add	*5.27*	
		For Work In Restricted Working Space, Add	*31.63*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	370.13	90.97
		For Below Ground Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.93*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	64.36	33.92
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	66.83	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	80.46	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	106.26	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	177.66	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	312.61	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	487.51	127.94
		For Below Ground Installation, Add	*9.59*	
		For Work In Restricted Working Space, Add	*57.56*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	103.86	53.37
		For Below Ground Installation, Add	*4.00*	
		For Work In Restricted Working Space, Add	*23.98*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	132.66	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	151.86	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	209.57	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	288.21	114.74
		For Below Ground Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.60*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	341.99	136.21
		For Below Ground Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	596.45	182.06
		For Below Ground Installation, Add	*13.64*	
		For Work In Restricted Working Space, Add	*81.86*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	1,003.81	202.23
		For Below Ground Installation, Add	*15.16*	
		For Work In Restricted Working Space, Add	*90.96*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	129.58	69.09
		For Below Ground Installation, Add	*5.17*	
		For Work In Restricted Working Space, Add	*31.04*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	144.87	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	164.65	87.54
		For Below Ground Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	190.60	97.26
		For Below Ground Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.76*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	248.08	115.90
		For Below Ground Installation, Add	*8.69*	
		For Work In Restricted Working Space, Add	*52.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	265.28	121.16
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	303.90	141.59
		For Below Ground Installation, Add	*10.61*	
		For Work In Restricted Working Space, Add	*63.67*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	399.88	143.14
		For Below Ground Installation, Add	*10.73*	
		For Work In Restricted Working Space, Add	*64.39*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	464.62	157.34
		For Below Ground Installation, Add	*11.79*	
		For Work In Restricted Working Space, Add	*70.75*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	735.86	167.61
		For Below Ground Installation, Add	*12.57*	
		For Work In Restricted Working Space, Add	*75.40*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	775.98	179.43
		For Below Ground Installation, Add	*13.45*	
		For Work In Restricted Working Space, Add	*80.71*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	896.02	191.61
		For Below Ground Installation, Add	*14.36*	
		For Work In Restricted Working Space, Add	*86.17*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	117.28	62.10
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.92*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	133.64	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	159.23	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	230.41	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	427.47	159.99
		For Below Ground Installation, Add	*11.99*	
		For Work In Restricted Working Space, Add	*71.94*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	778.58	205.26
		For Below Ground Installation, Add	*15.39*	
		For Work In Restricted Working Space, Add	*92.33*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	912.65	248.16
		For Below Ground Installation, Add	*18.60*	
		For Work In Restricted Working Space, Add	*111.61*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	134.84	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	148.55	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	172.03	87.54
		For Below Ground Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.38*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	197.75	97.26
		For Below Ground Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.76*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	269.51	115.90
		For Below Ground Installation, Add	*8.69*	
		For Work In Restricted Working Space, Add	*52.15*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	302.74	121.16
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	336.70	141.59
		For Below Ground Installation, Add	*10.61*	
		For Work In Restricted Working Space, Add	*63.67*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	461.18	143.14
		For Below Ground Installation, Add	*10.73*	
		For Work In Restricted Working Space, Add	*64.39*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	604.74	157.34
		For Below Ground Installation, Add	*11.79*	
		For Work In Restricted Working Space, Add	*70.75*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	168.59	89.91
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.45*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	226.36	109.49
		For Below Ground Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	307.58	119.71
		For Below Ground Installation, Add	*8.97*	
		For Work In Restricted Working Space, Add	*53.83*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	478.17	171.69
		For Below Ground Installation, Add	*12.87*	
		For Work In Restricted Working Space, Add	*77.20*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	945.32	231.61
		For Below Ground Installation, Add	*17.37*	
		For Work In Restricted Working Space, Add	*104.19*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	202.74	99.64
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.80*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	243.75	114.73
		For Below Ground Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.60*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	268.45	125.07
		For Below Ground Installation, Add	*9.38*	
		For Work In Restricted Working Space, Add	*56.26*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	406.04	151.39
		For Below Ground Installation, Add	*11.35*	
		For Work In Restricted Working Space, Add	*68.09*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	221.14	107.99
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	271.10	119.71
		For Below Ground Installation, Add	*8.97*	
		For Work In Restricted Working Space, Add	*53.83*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	412.63	158.50
		For Below Ground Installation, Add	*11.88*	
		For Work In Restricted Working Space, Add	*71.26*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	571.19	244.67
		For Below Ground Installation, Add	*18.34*	
		For Work In Restricted Working Space, Add	*110.03*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	208.00	92.90
		For Below Ground Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.80*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	241.08	107.99
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	291.88	117.97
		For Below Ground Installation, Add	*8.84*	
		For Work In Restricted Working Space, Add	*53.06*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	101.14	52.25
		For Below Ground Installation, Add	*3.92*	
		For Work In Restricted Working Space, Add	*23.53*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	133.86	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	149.16	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	203.41	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	289.49	114.74
		For Below Ground Installation, Add	*8.60*	
		For Work In Restricted Working Space, Add	*51.60*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	341.08	136.21
		For Below Ground Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	672.49	182.06
		For Below Ground Installation, Add	*13.64*	
		For Work In Restricted Working Space, Add	*81.86*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	113.86	58.98
		For Below Ground Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	131.69	69.09
		For Below Ground Installation, Add	*5.17*	
		For Work In Restricted Working Space, Add	*31.04*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	136.65	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	165.75	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	182.89	97.89
		For Below Ground Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	189.96	97.89
		For Below Ground Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	247.42	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	257.28	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	258.48	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	268.07	113.57
		For Below Ground Installation, Add	*8.51*	
		For Work In Restricted Working Space, Add	*51.07*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	527.91	153.53
		For Below Ground Installation, Add	*11.51*	
		For Work In Restricted Working Space, Add	*69.04*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	78.57	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	91.44	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	111.75	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	74.13	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	94.68	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	139.95	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	234.82	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	325.75	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	394.68	157.99
		For Below Ground Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.08*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	62.02	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	74.90	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	107.16	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	168.64	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	224.39	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0412		**No Hub Cast Iron Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	135.48	69.84
		For Below Ground Installation, Add	*5.24*	
		For Work In Restricted Working Space, Add	*31.44*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	146.80	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	179.17	79.18
		For Below Ground Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.63*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	269.37	104.00
		For Below Ground Installation, Add	*7.79*	
		For Work In Restricted Working Space, Add	*46.76*	
22 13 16 00-0417		**No Hub Cast Iron Reducing Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	193.61	92.90
		For Below Ground Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.79*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	220.12	95.65
		For Below Ground Installation, Add	*7.17*	
		For Work In Restricted Working Space, Add	*43.02*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	242.26	99.89
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.90*	
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	121.30	72.33
		For Below Ground Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	166.34	97.89
		For Below Ground Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	166.94	97.89
		For Below Ground Installation, Add	*7.34*	
		For Work In Restricted Working Space, Add	*44.01*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	192.22	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	196.20	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	197.78	109.02
		For Below Ground Installation, Add	*8.17*	
		For Work In Restricted Working Space, Add	*49.02*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	231.29	121.16
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	231.89	121.16
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	233.69	121.16
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	320.95	169.89
		For Below Ground Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.41*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	325.54	169.89
		For Below Ground Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.41*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	332.91	169.89
		For Below Ground Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.41*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	340.58	169.89
		For Below Ground Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.41*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	341.49	169.89
		For Below Ground Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.41*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	410.91	179.20
		For Below Ground Installation, Add	*13.43*	
		For Work In Restricted Working Space, Add	*80.58*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	440.01	187.07
		For Below Ground Installation, Add	*14.03*	
		For Work In Restricted Working Space, Add	*84.17*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	495.48	203.07
		For Below Ground Installation, Add	*15.22*	
		For Work In Restricted Working Space, Add	*91.33*	
22 13 16 00-0439		**No Hub Cast Iron Blind Plugs** *(22 13 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	32.82	16.97
		For Below Ground Installation, Add	*1.27*	
		For Work In Restricted Working Space, Add	*7.64*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	33.61	17.71
		For Below Ground Installation, Add	*1.33*	
		For Work In Restricted Working Space, Add	*7.96*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	42.98	20.33
		For Below Ground Installation, Add	*1.52*	
		For Work In Restricted Working Space, Add	*9.13*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	57.04	26.81
		For Below Ground Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.06*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	76.23	29.99
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.48*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	84.35	35.13
		For Below Ground Installation, Add	*2.64*	
		For Work In Restricted Working Space, Add	*15.83*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	167.83	45.49
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.45*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	216.71	48.94
		For Below Ground Installation, Add	*3.67*	
		For Work In Restricted Working Space, Add	*22.03*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	79.17	35.41
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	120.32	40.53
		For Below Ground Installation, Add	*3.04*	
		For Work In Restricted Working Space, Add	*18.25*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	183.80	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	325.49	59.41
		For Below Ground Installation, Add	*4.45*	
		For Work In Restricted Working Space, Add	*26.71*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	342.92	70.86
		For Below Ground Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.87*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	129.68	45.01
		For Below Ground Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	189.07	59.85
		For Below Ground Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.91*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	277.91	79.06
		For Below Ground Installation, Add	*5.92*	
		For Work In Restricted Working Space, Add	*35.54*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	121.83	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	130.41	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	242.39	53.62
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.14*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	89.81	45.01
		For Below Ground Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	96.73	45.01
		For Below Ground Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.22*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0468	EA	2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0469	EA	3" No Hub Coupling	8.87	
		For Medium Duty (Fernco MD-2000), Add	*1.15*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.39*	
22 13 16 00-0470	EA	4" No Hub Coupling	10.53	
		For Medium Duty (Fernco MD-2000), Add	*1.37*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.84*	
22 13 16 00-0471	EA	5" No Hub Coupling	24.36	
		For Medium Duty (Fernco MD-2000), Add	*3.17*	
		For Heavy-Duty (Fernco HD-4000), Add	*6.58*	
22 13 16 00-0472	EA	6" No Hub Coupling	26.76	
		For Medium Duty (Fernco MD-2000), Add	*3.48*	
		For Heavy-Duty (Fernco HD-4000), Add	*7.23*	
22 13 16 00-0473	EA	8" No Hub Coupling	50.42	
		For Medium Duty (Fernco MD-2000), Add	*6.55*	
		For Heavy-Duty (Fernco HD-4000), Add	*13.61*	
22 13 16 00-0474	EA	10" No Hub Coupling	69.46	
		For Medium Duty (Fernco MD-2000), Add	*9.03*	
		For Heavy-Duty (Fernco HD-4000), Add	*18.75*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	8.87	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	13.76	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	19.20	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	16.36	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	12.19	
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	14.89	
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	16.25	
		For Work In Restricted Working Space, Add	*4.88*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	20.31	
		For Work In Restricted Working Space, Add	*6.09*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	24.37	
		For Work In Restricted Working Space, Add	*7.31*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	32.50	
		For Work In Restricted Working Space, Add	*9.75*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	37.91	
		For Work In Restricted Working Space, Add	*11.37*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0458 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	20.82	5.86
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	24.90	6.54
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	32.13	8.07
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	68.43	11.18
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	96.49	12.62
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	192.73	14.49
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	274.34	22.46

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)*

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	14.49	
		For Work In Restricted Working Space, Add	*2.92*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	17.31	
		For Work In Restricted Working Space, Add	*3.56*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.50	
		For Work In Restricted Working Space, Add	*5.03*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	36.98	
		For Work In Restricted Working Space, Add	*5.54*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	68.14	
		For Work In Restricted Working Space, Add	*7.13*	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	97.44	
		For Work In Restricted Working Space, Add	*9.53*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	141.22	
		For Work In Restricted Working Space, Add	*12.71*	
22 13 16 00-0514		**Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.44	5.24
		For Work In Restricted Working Space, Add	*6.00*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.93	6.24
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	45.00	8.97
		For Work In Restricted Working Space, Add	*8.30*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	57.68	9.73
		For Work In Restricted Working Space, Add	*9.06*	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	92.25	12.47
		For Work In Restricted Working Space, Add	*11.60*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	121.99	16.59
		For Work In Restricted Working Space, Add	*13.30*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	171.75	22.20
		For Work In Restricted Working Space, Add	*17.33*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0523		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.82	5.24
		For Work In Restricted Working Space, Add	*2.34*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	13.31	6.24
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	21.36	8.97
		For Work In Restricted Working Space, Add	*4.02*	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	25.77	9.73
		For Work In Restricted Working Space, Add	*4.37*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	37.51	11.68
		For Work In Restricted Working Space, Add	*5.24*	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	53.71	15.53
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	77.66	20.77
		For Work In Restricted Working Space, Add	*9.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0531		**Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0522)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.92	5.24
		For Work In Restricted Working Space, Add	*2.34*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	12.24	6.24
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	19.33	8.97
		For Work In Restricted Working Space, Add	*4.02*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	23.08	9.73
		For Work In Restricted Working Space, Add	*4.37*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	32.50	11.68
		For Work In Restricted Working Space, Add	*5.24*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	46.68	15.53
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	70.01	20.77
		For Work In Restricted Working Space, Add	*9.34*	
22 13 16 00-0539		**Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)*		
22 13 16 00-0540		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	40.70	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	51.99	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	91.18	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	142.06	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	566.03	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	939.84	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,240.73	96.89
		For Work In Restricted Working Space, Add	*43.64*	
22 13 16 00-0548		**Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	67.44	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	67.38	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	130.76	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	214.62	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	425.88	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	755.66	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,237.43	96.89
		For Work In Restricted Working Space, Add	*43.64*	
22 13 16 00-0556		**Polyvinyl Chloride (PVC) DWV 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	42.90	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	51.81	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	87.88	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	125.94	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	524.99	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	844.45	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	960.13	96.89
		For Work In Restricted Working Space, Add	*43.64*	
22 13 16 00-0564		**Polyvinyl Chloride (PVC) DWV Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	63.80	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	84.22	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	145.30	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	217.20	62.36
		For Work In Restricted Working Space, Add	*28.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	840.93	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,093.61	108.99
		For Work In Restricted Working Space, Add	*49.10*	
22 13 16 00-0571		**Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	81.91	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	98.00	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	79.86	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	118.86	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	120.84	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	144.63	51.88
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	249.94	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	317.08	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	807.91	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,561.87	93.40
		For Work In Restricted Working Space, Add	*42.09*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,649.30	99.64
		For Work In Restricted Working Space, Add	*44.89*	
22 13 16 00-0583		**Polyvinyl Chloride (PVC) DWV Double Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	113.66	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	154.93	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	317.95	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	463.47	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0588		**Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	138.99	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	244.29	56.49
		For Work In Restricted Working Space, Add	*25.44*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	282.51	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	518.41	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	543.55	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 13 16 00-0594		**Polyvinyl Chloride (PVC) DWV Reducers** *(22 13 16 00-0539)*		
22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	54.60	23.69
		For Work In Restricted Working Space, Add	*10.66*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	103.23	28.18
		For Work In Restricted Working Space, Add	*12.72*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	97.69	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	151.90	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	163.33	38.65
		For Work In Restricted Working Space, Add	*17.39*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	599.59	44.89
		For Work In Restricted Working Space, Add	*20.20*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	499.15	47.76
		For Work In Restricted Working Space, Add	*21.51*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,258.62	57.12
		For Work In Restricted Working Space, Add	*25.72*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,060.10	63.34
		For Work In Restricted Working Space, Add	*28.52*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,426.74	75.45
		For Work In Restricted Working Space, Add	*33.98*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,112.67	84.80
		For Work In Restricted Working Space, Add	*38.19*	
22 13 16 00-0606		**Polyvinyl Chloride (PVC) DWV P-Traps** *(22 13 16 00-0539)*		
22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	80.11	31.17
		For Work In Restricted Working Space, Add	*14.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	105.29	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	306.72	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	632.37	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,074.31	80.93
		For Work In Restricted Working Space, Add	*36.47*	

22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0539)*

22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	126.30	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	102.68	38.65
		For Work In Restricted Working Space, Add	*17.39*	

22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0539)*

22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	80.84	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	94.11	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	157.94	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	237.90	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	763.24	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	946.04	108.99
		For Work In Restricted Working Space, Add	*49.10*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,244.85	145.27
		For Work In Restricted Working Space, Add	*65.47*	

22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0539)*

22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	111.96	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	115.77	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	163.91	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	133.48	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	228.29	51.88
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	198.28	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	224.56	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	689.94	71.82
		For Work In Restricted Working Space, Add	*32.36*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	856.71	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	810.84	93.40
		For Work In Restricted Working Space, Add	*42.09*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,027.02	99.64
		For Work In Restricted Working Space, Add	*44.89*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	932.14	117.59
		For Work In Restricted Working Space, Add	*53.00*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,166.19	123.83
		For Work In Restricted Working Space, Add	*55.80*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,359.63	133.18
		For Work In Restricted Working Space, Add	*60.01*	

22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	134.91	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	173.07	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	348.18	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	613.16	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,268.34	107.99
		For Work In Restricted Working Space, Add	*48.63*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,466.71	145.41
		For Work In Restricted Working Space, Add	*65.47*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,280.38	193.79
		For Work In Restricted Working Space, Add	*87.29*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	156.28	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	296.20	56.49
		For Work In Restricted Working Space, Add	*25.44*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	272.90	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	395.06	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	502.74	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	778.66	95.52
		For Work In Restricted Working Space, Add	*43.02*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	911.16	114.22
		For Work In Restricted Working Space, Add	*51.44*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,162.67	126.70
		For Work In Restricted Working Space, Add	*57.05*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,227.67	138.42
		For Work In Restricted Working Space, Add	*62.35*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,598.57	150.89
		For Work In Restricted Working Space, Add	*67.96*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,935.22	169.59
		For Work In Restricted Working Space, Add	*76.38*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	102.09	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	127.27	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	257.61	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	461.43	62.36
		For Work In Restricted Working Space, Add	*28.06*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	195.10	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	311.76	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	225.17	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	419.55	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	454.44	59.36
		For Work In Restricted Working Space, Add	*26.75*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	151.40	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	174.90	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	272.51	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	995.35	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,323.02	107.99
		For Work In Restricted Working Space, Add	*48.63*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	362.43	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	587.15	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	1,022.21	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	921.09	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,208.43	95.52
		For Work In Restricted Working Space, Add	*43.02*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	222.04	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	390.28	53.62
		For Work In Restricted Working Space, Add	*24.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	632.46	62.36
			For Work In Restricted Working Space, Add	*28.06*	
	22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,687.58	80.93
			For Work In Restricted Working Space, Add	*36.47*	
	22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,113.44	108.99
			For Work In Restricted Working Space, Add	*49.10*	
	22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,804.42	145.27
			For Work In Restricted Working Space, Add	*65.47*	
22 13 16 00-0688			**Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug** *(22 13 16 00-0539)*		
	22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	59.20	20.83
			For Work In Restricted Working Space, Add	*9.35*	
	22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	85.15	26.56
			For Work In Restricted Working Space, Add	*11.97*	
	22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	123.24	35.66
			For Work In Restricted Working Space, Add	*16.09*	
	22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	225.97	41.53
			For Work In Restricted Working Space, Add	*18.71*	
	22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	530.12	54.00
			For Work In Restricted Working Space, Add	*24.32*	
	22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,204.13	72.70
			For Work In Restricted Working Space, Add	*32.73*	
	22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,228.50	96.89
			For Work In Restricted Working Space, Add	*43.62*	
22 13 16 00-0696			**Polyvinyl Chloride (PVC) Couplings** *(22 13 16 00-0539)*		
	22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	39.48	20.83
			For Work In Restricted Working Space, Add	*9.35*	
	22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	49.24	26.56
			For Work In Restricted Working Space, Add	*11.97*	
	22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	77.50	35.66
			For Work In Restricted Working Space, Add	*16.09*	
	22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	101.61	41.53
			For Work In Restricted Working Space, Add	*18.71*	
	22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	297.64	54.00
			For Work In Restricted Working Space, Add	*24.32*	
	22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	734.80	72.70
			For Work In Restricted Working Space, Add	*32.73*	
	22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,115.08	96.89
			For Work In Restricted Working Space, Add	*43.65*	
22 13 16 00-0704			**Polyvinyl Chloride (PVC) Male Adapters** *(22 13 16 00-0539)*		
	22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	24.00	10.35
			For Work In Restricted Working Space, Add	*4.68*	
	22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	40.63	13.35
			For Work In Restricted Working Space, Add	*5.99*	
	22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	84.17	17.83
			For Work In Restricted Working Space, Add	*8.04*	
	22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	162.62	20.83
			For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0709			**Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: In place piping.		
	22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.14	
	22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.06	
	22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.79	
	22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	17.26	
	22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.68	
	22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.91	
	22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	40.22	
22 13 16 00-0717			**Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)* Note: Aboveground installation.		
22 13 16 00-0718			**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies** *(22 13 16 00-0717)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
	22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.24	5.24
			For Work In Restricted Working Space, Add	*7.17*	
	22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	33.60	6.24
			For Work In Restricted Working Space, Add	*7.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	45.80	8.97
		For Work In Restricted Working Space, Add	*9.87*	
22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	52.73	9.73
		For Work In Restricted Working Space, Add	*10.96*	
22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	87.63	12.47
		For Work In Restricted Working Space, Add	*14.58*	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0717)*

Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.52	5.24
		For Work In Restricted Working Space, Add	*2.34*	
22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	13.01	6.24
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	20.99	8.97
		For Work In Restricted Working Space, Add	*4.02*	
22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	25.38	9.73
		For Work In Restricted Working Space, Add	*4.37*	
22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	39.55	11.68
		For Work In Restricted Working Space, Add	*5.24*	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0717)*

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	42.77	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	56.45	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	104.69	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	162.43	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	454.53	54.00
		For Work In Restricted Working Space, Add	*24.32*	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	58.82	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	72.13	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	143.63	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	239.89	41.53
		For Work In Restricted Working Space, Add	*18.71*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	44.95	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	54.93	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	96.71	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	147.69	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	470.08	54.00
		For Work In Restricted Working Space, Add	*24.32*	

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	66.52	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	89.55	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	156.12	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	238.93	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	909.72	80.93
		For Work In Restricted Working Space, Add	*36.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0754		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	82.64	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	99.73	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	83.96	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	127.01	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	131.90	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	287.51	51.88
		For Work In Restricted Working Space, Add	*23.38*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	277.92	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	318.56	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	993.42	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 13 16 00-0764		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	122.38	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	167.38	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	353.25	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	518.97	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0769		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	139.16	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	210.17	56.49
		For Work In Restricted Working Space, Add	*25.44*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	241.87	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	422.43	63.73
		For Work In Restricted Working Space, Add	*28.71*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	444.29	72.25
		For Work In Restricted Working Space, Add	*32.57*	
22 13 16 00-0775		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	86.54	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	100.69	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	170.83	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	261.94	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	739.55	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 13 16 00-0781		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	122.10	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	125.74	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	143.82	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	217.61	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	247.25	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	622.80	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 13 16 00-0788		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	146.96	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	188.64	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	388.59	71.45
		For Work In Restricted Working Space, Add	*32.18*	

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22 13 16 00-0792	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	694.61	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 13 16 00-0793		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	170.47	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	283.25	56.49
		For Work In Restricted Working Space, Add	*25.44*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	302.40	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	443.95	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	567.31	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 13 16 00-0799		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0800	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	110.30	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0801	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	142.43	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0802	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	216.50	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0803	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	354.66	58.36
		For Work In Restricted Working Space, Add	*26.27*	
22 13 16 00-0804		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	122.36	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	227.56	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 13 16 00-0807	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	172.53	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0808	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	302.72	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 13 16 00-0809	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	327.85	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 13 16 00-0810		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	229.31	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 13 16 00-0812	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	452.06	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 13 16 00-0813		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	191.39	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	432.45	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0816		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0817	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	121.50	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0818	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	153.62	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0819	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	241.52	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0820	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	394.63	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 13 16 00-0821		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	56.79	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	81.25	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	117.16	35.66
		For Work In Restricted Working Space, Add	*16.09*	

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22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	211.96	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	491.74	54.00
		For Work In Restricted Working Space, Add	*24.32*	

22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0730)*

22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	40.00	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	49.21	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	78.95	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	104.12	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	287.46	54.00
		For Work In Restricted Working Space, Add	*24.32*	

22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*

22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	57.93	23.69
		For Work In Restricted Working Space, Add	*10.66*	
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	113.37	28.18
		For Work In Restricted Working Space, Add	*12.72*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	106.27	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	168.52	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	180.80	38.65
		For Work In Restricted Working Space, Add	*17.39*	

22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*

22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	90.16	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	130.10	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	402.21	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	752.75	62.36
		For Work In Restricted Working Space, Add	*28.06*	

22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*

22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	122.96	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	114.82	38.65
		For Work In Restricted Working Space, Add	*17.39*	

22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*

22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	26.86	10.35
		For Work In Restricted Working Space, Add	*4.68*	
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	39.93	13.35
		For Work In Restricted Working Space, Add	*5.99*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	85.00	17.83
		For Work In Restricted Working Space, Add	*8.04*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	159.90	20.83
		For Work In Restricted Working Space, Add	*9.35*	

22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0730)*

22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	44.85	23.69
		For Work In Restricted Working Space, Add	*10.66*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	92.63	28.18
		For Work In Restricted Working Space, Add	*12.72*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	78.68	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	166.90	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	125.07	38.65
		For Work In Restricted Working Space, Add	*17.39*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	330.19	44.70
		For Work In Restricted Working Space, Add	*20.13*	

22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0730)*

22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	168.59	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	186.48	26.56
		For Work In Restricted Working Space, Add	*11.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	209.36	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	227.26	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0864		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0717)* Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.14	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.06	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.79	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	17.26	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	24.68	
22 13 16 00-0870		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	15.34	5.42
		For Work In Restricted Working Space, Add	*3.25*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.49	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	17.36	6.09
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.85	6.44
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.28	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	27.91	7.11
		For Work In Restricted Working Space, Add	*4.26*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	33.60	7.45
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	45.02	8.12
		For Work In Restricted Working Space, Add	*4.88*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	58.96	9.48
		For Work In Restricted Working Space, Add	*5.69*	
22 13 16 00-0881		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	16.32	5.75
		For Work In Restricted Working Space, Add	*3.45*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.65	6.09
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.29	6.44
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	19.32	6.44
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	25.83	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.83	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	22.96	6.77
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	32.31	7.11
		For Work In Restricted Working Space, Add	*4.26*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.45	7.11
		For Work In Restricted Working Space, Add	*4.26*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	39.50	7.45
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	35.22	7.45
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	36.42	7.45
		For Work In Restricted Working Space, Add	*4.47*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	71.11	13.54
		For Work In Restricted Working Space, Add	*8.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	59.25	13.54
		For Work In Restricted Working Space, Add	*8.12*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	74.27	15.23
		For Work In Restricted Working Space, Add	*9.14*	

22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0898	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	58.94	36.56
22 13 16 00-0899	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	63.13	38.86
22 13 16 00-0900	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	73.01	44.55
22 13 16 00-0901	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	96.38	58.91
22 13 16 00-0902	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	115.46	70.41
22 13 16 00-0903	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	133.37	81.24
22 13 16 00-0904	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	177.58	102.91
22 13 16 00-0905	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	215.97	115.10
22 13 16 00-0906	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	269.43	127.96

22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*

22 13 16 00-0908	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	108.32	28.05
22 13 16 00-0909	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	114.56	31.17
22 13 16 00-0910	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	170.54	40.53
22 13 16 00-0911	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	199.79	46.76
22 13 16 00-0912	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	232.76	53.00
22 13 16 00-0913	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	386.89	59.24

22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*

22 13 16 00-0915	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	219.03	28.05
22 13 16 00-0916	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	225.27	31.17
22 13 16 00-0917	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	268.33	40.53
22 13 16 00-0918	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	335.09	46.76
22 13 16 00-0919	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	456.18	53.00
22 13 16 00-0920	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	468.64	59.24

22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0922	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	413.76	28.05
22 13 16 00-0923	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	420.00	31.17
22 13 16 00-0924	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	483.40	40.53
22 13 16 00-0925	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	544.31	46.76
22 13 16 00-0926	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	635.02	53.00
22 13 16 00-0927	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	694.05	59.24

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	868.85	134.06
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	954.98	150.26
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	933.32	166.23
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	967.55	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	873.58	150.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	905.63	166.23
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	939.86	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,443.91	150.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,475.96	166.23
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,510.19	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,360.85	150.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,392.73	166.23
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,427.13	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,493.61	150.14
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,525.63	166.23
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,560.03	183.43
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,346.34	150.14
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,378.36	166.23
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,412.76	183.43
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,232.82	150.14
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,264.84	166.23
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,299.24	183.43
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0024		**Square Or Rectangular Top Drains** *(22 13 19 13)*		
22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,031.25	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,063.62	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,097.67	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,114.31	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,146.68	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,180.73	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,479.76	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,512.13	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,546.18	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	970.34	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	1,002.71	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,036.76	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,075.55	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,107.92	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,141.97	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,371.79	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,404.16	166.35
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,438.21	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,541.52	166.35
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,575.57	183.43
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,444.08	166.35
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,478.13	183.43
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,336.11	166.35
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,370.16	183.43
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*318.00*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,501.91	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,534.28	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,568.33	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,931.05	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,963.42	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,997.47	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,030.72	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,063.09	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,097.14	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,803.15	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,835.52	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,869.57	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,413.32	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,445.69	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,479.74	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,778.77	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,811.14	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,845.19	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,878.44	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,910.81	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,944.86	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,506.91	150.14
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,539.28	166.35
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,573.33	183.43
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,417.15	134.06
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,449.31	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,481.33	166.23
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,515.73	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,072.24	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,104.26	166.23
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,138.66	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,964.27	150.14
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,996.29	166.23
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	2,030.69	183.43
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	3,000.67	134.06
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,032.95	150.14
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,064.97	166.23
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,099.37	183.43
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,134.87	201.14
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,243.36	150.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,275.73	166.35
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,309.78	183.43
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,345.28	201.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,994.72	150.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,027.09	166.35
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,061.14	183.43
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,096.64	201.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,027.41	150.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,059.78	166.35
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,093.83	183.43
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,129.33	201.14
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	56.25	13.54
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	62.54	13.54
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	129.77	27.08
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	114.17	27.08

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,428.10	134.06
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,460.38	150.14
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,492.40	166.23
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	296.11	90.41
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	314.81	99.76
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	296.11	90.41
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	314.81	99.76
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	296.11	90.41
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	314.81	99.76
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	296.11	90.41
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	314.81	99.76
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100)	403.76	99.76

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,751.29	150.26
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,783.82	166.47
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,817.51	183.43
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,062.23	134.06
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,094.53	150.26
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,126.41	166.23
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,160.81	183.43
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	

22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	120.36	15.59
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	98.06	15.59
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	106.98	15.59
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	129.28	15.59
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	115.90	15.59
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	165.20	15.59
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	183.15	15.59
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	227.68	15.59

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,398.07	93.53
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,345.45*	
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,630.31	210.44
		For Flange And Clamp Device, Add	*400.45*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,423.87*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,310.18	233.82
		For Flange And Clamp Device, Add	*416.04*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,555.74*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,788.95	257.19
		For Flange And Clamp Device, Add	*431.63*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,682.16*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,122.12	280.57
		For Flange And Clamp Device, Add	*477.61*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,753.86*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,833.15	327.34
		For Flange And Clamp Device, Add	*519.99*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,933.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,997.17	374.10
		For Flange And Clamp Device, Add	*592.12*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,065.30*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,805.96	420.86
		For Flange And Clamp Device, Add	*824.58*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	11,099.66	524.44
		For Flange And Clamp Device, Add	*957.63*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,706.38	839.11
		For Flange And Clamp Device, Add	*1,327.41*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,659.31	1,048.89
		For Flange And Clamp Device, Add	*1,596.54*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,935.11	1,258.67
		For Flange And Clamp Device, Add	*2,049.36*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	29,790.94	1,468.44
		For Flange And Clamp Device, Add	*2,426.97*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	38,528.86	1,678.23
		For Flange And Clamp Device, Add	*2,840.10*	
22 13 19 26-0017		**Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	4,009.26	257.19
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	5,157.47	327.34
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,497.86	374.10
22 13 19 26-0021		**Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		**Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,521.29	93.53
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,345.45*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,140.27	210.44
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,423.87*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,424.16	233.82
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,555.74*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,397.52	257.19
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,682.16*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,504.94	280.57
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,753.86*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,728.32	327.34
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,933.11*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,680.47	374.10
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,065.30*	
22 13 19 26-0030		**Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	9,033.35	327.34
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,708.39	257.19
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,962.13	280.57
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,686.16	327.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,528.36	471.03
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,314.79	471.03
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,167.74	538.49
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,179.32	760.50
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,234.93	1,023.19
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	13,822.53	1,346.17
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	17,819.25	2,207.52
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,503.20	356.13
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,419.80	423.15
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,984.00	520.65
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,756.91	563.98
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,719.29	615.43
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	15,463.80	677.04
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,995.70	779.38
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	28,409.94	958.95
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	34,896.37	1,039.38
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	48,860.76	1,247.01
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	56,375.91	1,340.54
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	71,038.19	1,598.67
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	85,845.72	1,309.98
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	101,693.04	1,558.76
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		**Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	774.73	35.79
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	788.45	45.01
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,140.94	59.85
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,126.38	81.59
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,817.13	107.38
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,187.44	132.48
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,656.07	171.82
22 13 19 33-0009		**Cast Iron Backwater Sewer Line Valve** *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,899.11	85.31
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,918.06	103.50
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,604.31	133.43
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,089.63	148.24
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,086.49	175.67
22 13 19 33-0015		**Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,283.46	135.05
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,350.30	179.57
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,811.38	219.55
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,849.55	244.76
22 13 19 33-0020		**Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** *(22 13 19 33)* Note: Oatey.		
22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	154.68	45.01
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	185.93	59.85
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	532.34	81.59
22 13 19 33-0024		**Polyvinyl Chloride (PVC) Extendable Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	362.98	90.04
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	483.33	119.71
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	826.32	163.18
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		**Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent** *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	178.54	17.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	211.78	17.45

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,372.19	176.58
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,373.88	176.58
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,926.46	176.58
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,926.46	176.58
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	2,051.56	176.58

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	343.34	60.39
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	351.07	64.31
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	212.88	82.27

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,228.40	1,495.91
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,550.27	1,495.91
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,872.13	1,495.91
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,179.14	1,495.91

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,119.72	1,495.91
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,243.52	1,495.91
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,330.17	1,495.91
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,924.39	1,495.91
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,506.23	1,495.91
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	11,397.55	1,495.91
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,288.87	1,495.91
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	14,169.84	1,990.73

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,740.01	1,495.91
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,740.01	1,495.91
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,954.49	1,495.91
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,618.69	1,495.91
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,910.62	1,495.91
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,272.53	1,990.73
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	15,015.30	1,990.73

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	901.51	49.88
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	998.05	56.12
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,384.91	74.82
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	2,009.82	87.29
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,154.66	90.41
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,303.97	93.53
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,934.95	112.23
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,975.81	124.70
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	5,041.82	155.87
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,409.15	171.46
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,612.50	90.73
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,718.31	90.73
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,685.75	90.73
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,841.76	90.73
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,841.76	90.73
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,950.16	113.41
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,088.53	113.41
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,106.17	113.41
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,642.34	90.73
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,794.28	90.73
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,722.38	90.73
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,868.89	90.73
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,000.48	90.73
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,866.05	113.41
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,023.42	113.41
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,022.06	113.41
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,322.85	182.80
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,455.79	182.80
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,478.85	182.80
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,489.46	223.42
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,641.40	223.42
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,645.47	223.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0026		**Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)* Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,946.22	90.73
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,203.98	90.73
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,155.01	113.41
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,311.02	113.41
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,633.51	182.80
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,789.52	182.80
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,801.48	223.42
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,957.48	223.42
22 13 29 16-0035		**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)* Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,744.82	113.41
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,097.34	183.71
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,511.75	224.53
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,791.54	272.16
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	7,614.37	319.79
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	8,500.73	367.41
22 13 29 16-0042		**Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)* Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,573.82	406.43
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,904.29	406.43
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,904.29	406.43
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,973.09	541.91
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,303.56	541.91
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,303.56	541.91
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,510.47	677.39
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,840.94	677.39
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,840.94	677.39
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,918.12	812.87
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,248.60	812.87
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,248.60	812.87
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,949.27	948.35
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,279.74	948.35
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,279.74	948.35
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,326.24	1,083.82
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,326.24	1,083.82
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	790.36	101.61
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	816.28	101.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,608.56	135.48
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,272.19	135.48
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,389.58	135.48
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,639.73	135.48
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	9,020.98	169.34
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	7,597.95	169.34
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,783.89	169.34
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,965.34	169.34
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,886.28	169.34
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,049.81	169.34
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,510.48	169.34
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	655.24	67.74
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	124.77	33.87
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	151.88	33.87
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	159.61	33.87
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	170.96	33.87
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	476.31	33.87
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	554.39	33.87
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	530.25	33.87
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	632.02	33.87
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	254.03	33.87
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	68.04	16.93
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,340.95	101.61
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,102.12	135.48
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,745.64	169.34
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	3,081.49	101.61
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	4,359.81	101.61
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	386.29	67.74
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	680.40	84.67
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	681.91	101.61
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	190.45	33.87
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	376.54	33.87

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	169.63	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	219.63	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	501.61	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	704.80	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	908.00	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,056.49	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	354.80	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	709.41	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,265.20	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,698.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,955.77	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,065.69	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,424.45	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,814.34	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,054.55	207.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,158.47	249.40
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,262.38	311.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,692.69	374.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,744.64	415.63
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,058.56	436.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,774.68	452.04
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,623.75	207.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,767.43	249.40
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,948.77	311.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,690.88	374.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,887.22	415.63
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0016		**Cast Iron Roof Drains With Flat Bronze Promenade Top** *(22 14 26 13-0001)*		
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,240.09	207.87
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,344.01	249.40
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,447.92	311.76
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,860.67	374.10
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,912.62	415.63
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0022		**Cast Iron Scupper Drain With L-Shaped Bronze Grate** *(22 14 26 13-0001)*		
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,444.02	83.17
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,485.58	103.88
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,504.48	113.35
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,116.12	150.26
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,182.40	183.43
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0028		**Cast Iron Roof Drain With Flat Cast Iron Grate** *(22 14 26 13-0001)*		
		Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,155.54	207.87
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,259.46	249.40
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,363.37	311.76
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0032		**Cast Iron Roof Drains With Large Cast Iron Dome** *(22 14 26 13-0001)*		
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,243.35	207.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,347.27	249.40
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,451.18	311.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,881.50	374.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,933.45	415.63
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,247.37	436.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,963.49	452.04
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

22 14 26 13-0041 Aluminum Dome Roof Drains *(22 14 26 13-0040)*

22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,276.29	207.87
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,380.21	249.40
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,484.12	311.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,966.38	415.26
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,280.54	436.46
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,996.42	452.04
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0048 Retrofit Roof Drains *(22 14 26 13)*

22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	932.82	249.40
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,052.62	311.76
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,272.08	374.10
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,387.60	415.26

22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,075.86	249.40
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,189.31	311.76
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,418.30	374.10
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,489.32	415.26

22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	939.18	249.40
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,058.98	311.76
		For Copolymer Strainer Dome, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,278.44	374.10
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,343.10	415.26
		For Copolymer Strainer Dome, Deduct	*-24.00*	

22 14 26 13-0064 Bronze Downspout Nozzles *(22 14 26 13)*

22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	560.33	124.70
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	560.33	124.70
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	560.33	124.70
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	871.58	155.87
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	871.58	155.87
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,132.21	155.87

22 14 26 16 Facility Area Drains *(22 14 26)*

22 14 26 16-0001 Area Drain *(22 14 26 16)*

22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,243.36	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,275.73	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,309.78	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,345.28	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,994.72	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,027.09	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,061.14	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,096.64	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,027.41	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,059.78	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,093.83	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,129.33	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,543.53	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,575.90	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,609.95	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,645.45	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,193.53	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,225.90	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,259.95	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,295.45	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,203.00	150.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,235.37	166.35
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,269.42	183.43
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,304.92	201.14
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,443.77	150.14
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,476.14	166.35
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,510.19	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	873.44	150.14
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	905.81	166.35
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	939.86	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,360.71	150.14
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,393.08	166.35
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,427.13	183.43
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,359.11	150.14
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,391.48	166.35
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,425.53	183.43
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,833.61	150.14
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,865.98	166.35
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,900.03	183.43
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,093.32	150.14
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,125.69	166.35
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,159.74	183.43
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,190.02	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,222.39	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,256.44	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	730.54	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	762.91	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	796.96	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,127.41	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,159.78	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,193.83	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,039.22	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	579.74	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	976.61	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,877.73	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,910.10	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,944.15	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,309.18	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,341.55	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,375.60	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,799.97	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,832.34	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,866.39	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,574.77	150.14
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,607.14	166.35
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,641.19	183.43
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,726.91	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,158.36	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,649.15	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,423.95	74.82
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,851.27	361.89
		For Explosion Proof Motor, Add	*344.79*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,245.37	438.01
		For Explosion Proof Motor, Add	*383.31*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,277.89	520.37
		For Explosion Proof Motor, Add	*495.18*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,833.32	640.16
		For Explosion Proof Motor, Add	*561.20*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,328.69	693.82
		For Explosion Proof Motor, Add	*819.80*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	11,062.62	832.34
		For Explosion Proof Motor, Add	*929.84*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,939.62	862.32
		For Explosion Proof Motor, Add	*1,524.05*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,607.82	1,042.41
		For Explosion Proof Motor, Add	*2,022.90*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,850.87	1,215.72
		For Explosion Proof Motor, Add	*2,622.62*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	22,628.65	1,459.38
		For Explosion Proof Motor, Add	*3,416.74*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	31,365.52	1,620.96
		For Explosion Proof Motor, Add	*5,415.80*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,074.44	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,175.68	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,286.47	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,544.67	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,726.52	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,757.96	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,973.49	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,159.46	

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	901.51	49.88
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	998.05	56.12
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,384.91	74.82
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	2,009.82	87.29
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,154.66	90.41
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,303.85	93.53
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,934.95	112.23
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,975.81	124.70
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,308.30	155.87
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,409.15	171.46

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	579.06	81.24
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	642.11	81.24
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,011.75	85.98
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,111.52	85.98

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,707.34	85.98
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,857.68	85.98
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,951.27	94.78
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,112.00	94.78
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,173.40	108.33
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,331.36	108.33
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,334.27	128.64
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,471.44	128.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0016		**Submersible Sump Pump With Semi-Open Impeller** *(22 14 29 16)* Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,334.39	81.24
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,377.50	81.24
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,718.47	85.98
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,748.76	85.98
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,096.72	90.73
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,096.72	90.73
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,217.46	94.78
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,217.46	94.78
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,530.74	108.33
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,530.74	108.33
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,943.80	128.64
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,891.36	128.64

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0001		**Aluminum Pipe And Fittings For Compressed Air** *(22 15 13)*		
22 15 13 00-0002		**Aluminum (6063) Pipe (FastPipe)** *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	10.13	2.70
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	12.68	2.98
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	17.15	3.79
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	20.92	4.34
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	35.09	5.96
22 15 13 00-0008		**Compression Fittings (FastPipe)** *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0009		**Compression Union** *(22 15 13 00-0008)*		
22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union Note: For compresed air system	31.21	3.79
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union Note: For compresed air system	47.17	5.42
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union Note: For compresed air system	74.24	7.59
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union Note: For compresed air system	92.76	9.75
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union Note: For compresed air system	179.41	15.16
22 15 13 00-0015		**Compression 90 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	33.20	3.79
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	49.24	5.42
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	76.43	7.59
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	105.21	9.75
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	205.87	15.16
22 15 13 00-0021		**Compression 45 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	49.69	5.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	86.00	7.59
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	114.20	9.75
22 15 13 00-0025		**Compression Tee** *(22 15 13 00-0008)*		
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	44.29	5.69
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	62.68	8.12
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	118.61	11.37
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	147.36	14.63
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	283.92	22.75
22 15 13 00-0031		**Compression Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	60.50	7.31
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	106.87	9.48
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	111.19	10.29
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	135.39	11.64
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	139.20	12.46
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	46.03	4.60
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	68.25	5.69
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	69.07	6.50
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	86.91	6.77
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	89.66	7.59
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	94.70	8.67
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	66.98	7.85
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	70.96	8.94
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	79.26	8.67
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	81.28	9.75
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	83.99	10.84
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	77.01	9.75
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	79.58	10.84
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	91.63	11.37
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	93.89	12.46
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	96.92	13.54
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	132.55	14.63
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	135.25	15.71
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	147.69	16.79
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	150.39	17.88
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	106.46	3.79
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	136.33	5.42
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	284.93	7.59
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	412.68	9.75
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	666.27	15.16
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	89.97	8.94
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	92.76	9.75
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	33.11	7.04
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	63.81	18.96
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	71.01	23.02
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	769.33	108.09
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	875.56	111.09
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,025.82	114.10
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,151.91	120.10
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,493.35	135.11
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,688.45	153.73
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,895.14	174.15
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,224.34	195.16
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,579.10	228.19
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,901.86	243.81
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,404.71	270.23
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,913.02	300.25
		For 230 Voltage, Add	*993.75*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,231.38	330.28
		For 230 Voltage, Add	*1,071.25*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,560.18	366.31
		For 230 Voltage, Add	*1,148.74*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,928.89	390.33
		For 230 Voltage, Add	*1,244.47*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,209.63	405.34
		For 230 Voltage, Add	*1,319.69*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,932.04	420.35
		For 230 Voltage, Add	*2,427.40*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,592.66	435.37
		For 230 Voltage, Add	*2,616.58*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,235.04	450.38
		For 230 Voltage, Add	*2,800.29*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,141.28	480.40
		For 230 Voltage, Add	*3,354.14*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,790.07	600.51
		For 230 Voltage, Add	*3,776.72*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	19,568.85	720.61
		For 230 Voltage, Add	*5,438.29*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	26,525.23	840.70
		For 230 Voltage, Add	*7,453.15*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	29,705.67	960.80
		For 230 Voltage, Add	*8,335.22*	
22 15 13 00-0100		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	669.69	43.35
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	894.78	50.80
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,045.09	57.57
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,310.05	67.74
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,557.47	81.28
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,142.18	169.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0107		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	128.28	36.03
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	178.13	48.04
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	294.54	60.05
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	375.86	90.07
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	516.12	105.09
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	546.15	120.10
22 15 13 00-0114		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	474.48	108.09
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	592.13	144.12
22 15 13 00-0117		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	2,560.31	108.09
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,074.08	120.10
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,108.72	132.12
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	3,550.53	150.12
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	4,879.29	180.15
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	4,845.92	240.21
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	6,499.21	300.25
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	6,915.31	360.30
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	7,920.35	420.35
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	9,093.92	480.40
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	9,783.09	540.45
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	11,936.28	600.51
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	13,282.67	720.61
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	15,355.39	840.70
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	17,713.77	960.80
22 15 13 00-0133		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	666.78	75.07
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	895.83	90.07
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	986.64	105.09
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,202.05	120.10
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,660.56	135.11
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	1,863.82	150.12
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	3,560.97	180.15
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	3,732.25	210.18
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	3,902.31	240.21
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	4,571.38	270.23
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	4,999.77	300.25
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	5,727.18	330.28
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	7,324.96	360.30
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	8,369.03	390.33
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	8,649.41	420.35
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	9,274.71	450.38
22 15 13 00-0150		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0151		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	240.01	44.03
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	282.56	44.03
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	309.77	50.80
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	356.59	58.25
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	414.38	64.35
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	471.86	77.90
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	566.92	84.68
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	616.52	101.60
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	793.67	135.48
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	906.54	152.42
22 15 13 00-0162		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	288.64	44.03
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	314.31	50.80
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	360.85	58.25
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	422.89	57.57
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	481.58	77.90
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	544.66	84.68
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	627.46	101.60
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	811.90	135.48
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	930.85	152.42
22 15 13 00-0172		**Compressed Air Storage Tanks** *(22 15 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 15 13 00-0173 Horizontal Compressed Air Storage Tanks *(22 15 13 00-0172)*

22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	404.89	96.08
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	1,043.14	105.09
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,106.00	110.50
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,266.31	120.10
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,648.16	162.14
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	2,003.82	180.15
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	3,060.31	210.18
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,630.10	240.21
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	5,173.45	255.21
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,568.53	270.23
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	10,008.59	315.26
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	14,468.44	375.31

22 15 13 00-0186 Vertical Compressed Air Storage Tanks *(22 15 13 00-0172)*

22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	973.06	96.08
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	1,017.11	105.09
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,106.00	110.50
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,317.85	120.10
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,802.77	162.14
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	2,078.28	180.15
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,898.41	210.18
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,296.40	240.21
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,748.10	255.21
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,527.35	270.23
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	8,392.68	315.26
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	11,003.67	345.29
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	18,455.02	390.33

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,072.10	426.11
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,238.24	491.81
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,829.68	580.81
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,509.56	640.86
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	6,776.86	676.89
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	7,248.61	700.91
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	8,134.96	801.07
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,729.08	849.11
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	10,493.48	961.29

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	7,809.07	748.95
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	8,356.39	881.18
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	8,720.56	961.29
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	9,892.70	1,281.71
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	10,700.28	1,281.71
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	11,409.38	1,602.14
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	12,141.84	1,602.14
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	15,585.79	1,981.66
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	16,695.83	2,041.71
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	18,042.59	2,386.16
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	27,514.61	2,701.06
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	29,503.14	3,052.11
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	32,895.68	3,373.26
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	35,777.10	3,696.93

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	13,412.69	1,081.11
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	14,874.87	1,441.49
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,090.35	1,807.27
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,980.39	2,303.13
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,140.34	2,709.56
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,591.60	3,048.26
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,499.92	3,386.95
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	40,423.64	3,793.39
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	44,477.30	4,064.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	49,999.91	4,380.00
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	65,412.58	4,741.72
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	72,677.79	5,012.68
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	117,689.65	5,419.11
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	147,191.87	5,859.42
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	171,184.18	6,306.49
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	223,326.49	6,773.89
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	253,924.48	7,207.43
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*		
		Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	16,704.14	1,441.49
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	17,785.93	1,441.49
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,950.52	1,807.27
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,133.72	1,807.27
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	22,453.67	2,303.13
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	23,704.48	2,303.13
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	25,530.98	2,709.56
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	26,883.22	2,709.56
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	44,835.11	3,048.26
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	48,250.52	3,386.95
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	51,327.89	3,793.39

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,480.68	342.93
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,728.73	358.52
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,186.68	374.10
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	7,132.05	389.69
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,604.00	405.27
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,245.93	374.10
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,673.57	389.69
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	9,147.85	405.27
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,886.13	420.87
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	12,109.02	436.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,763.81	452.04
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,568.20	389.69
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	13,026.15	405.27
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,769.09	420.87
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,991.98	436.46
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,791.36	452.04
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,818.40	467.63
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	29,049.70	483.22
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	30,507.88	452.04
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	35,259.26	467.63
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	39,434.58	483.22
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	49,678.07	498.80
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	55,017.13	514.39
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,642.20	584.54
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,558.83	607.92
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	24,565.04	631.30
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,866.95	654.68
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,827.94	678.06
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	43,541.79	701.45
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	51,275.18	724.82
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	56,065.09	678.06
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	64,428.16	701.45
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	72,420.42	724.82
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	92,194.50	748.20
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	102,952.65	771.58
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,190.21	514.39
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,670.76	537.77
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,372.84	561.16
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	10,070.74	584.54
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,148.29	607.92
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	14,186.79	561.16
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,961.18	584.54
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	16,108.68	607.92
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	18,454.91	631.30
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,836.12	654.68
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	26,123.13	678.06

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,830.71	220.15
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,885.57	237.08
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	3,071.03	254.02
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,401.08	270.96
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,502.58	287.89
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,250.07	304.82
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,993.90	321.76
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,956.42	338.70
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,726.32	355.63
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,665.54	372.56
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	14.17	2.71
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	14.17	2.71
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	14.17	2.71
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.83	2.71
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.75	2.71
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.75	2.71
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.91	2.71
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	20.00	2.71
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.91	2.71
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.83	2.71
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.83	2.71
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.83	2.71
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	20.58	2.71
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.99	2.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.66	2.71
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.66	2.71
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.99	2.71
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	25.24	2.71
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	25.24	2.71
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.83	2.71
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	27.58	2.71
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	41.57	2.71
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	39.82	2.71
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	39.82	2.71
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	39.82	2.71
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	52.65	2.71
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	74.80	2.71
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	62.56	2.71
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	87.04	2.71
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	90.54	2.71
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	102.20	2.71
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,226.64	203.22
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	731.87	2.71
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	151.76	2.71
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	150.59	2.71
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	150.59	2.71
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	172.75	2.71
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	401.88	2.71
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	377.39	2.71
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	411.21	2.71
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	431.03	2.71
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	459.02	2.71
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	497.50	2.71

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	664.54	67.70
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	659.25	67.70

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	878.91	101.55
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	838.72	135.41
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,420.65	236.96
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,151.09	270.82
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,802.44	135.41
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,457.23	203.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,692.98	270.82
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,799.22	270.82
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,899.56	270.82
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	3,047.11	270.82

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,205.46	213.27
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,492.24	226.81
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,772.25	236.96

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,899.18	236.96
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,779.30	243.74
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,747.39	250.51
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,959.49	253.89
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,884.40	260.66
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,937.17	270.82
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,932.39	287.74

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	2,044.93	236.96
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,941.61	243.74
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	2,059.03	250.51

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	2,111.87	243.74
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,312.23	250.51
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,861.51	260.66
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	3,115.55	270.82

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	163.58	13.54
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	194.03	13.54
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	382.18	13.54
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	514.60	13.54
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	81.38	10.16
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	88.74	10.16
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	93.65	10.16
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	110.82	10.16
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	44.47	10.16
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	48.39	10.16
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	53.91	10.16
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	61.01	10.16

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters *(22 33 30)*

22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,885.65	270.82
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,868.57	287.74

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	11,036.07	236.96
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,480.80	236.96
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,962.59	236.96
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	12,030.29	270.82
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,586.20	270.82
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,475.66	270.82
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,068.64	270.82
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,550.43	270.82
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,069.28	270.82
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,142.12	270.82
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,660.97	270.82
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,253.94	270.82
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,735.73	270.82
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,254.58	270.82
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,071.84	270.82
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,278.17	338.52
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,759.96	338.52
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,352.93	338.52
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,871.78	338.52
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,726.11	338.52
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,505.02	338.52
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,246.88	338.52
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,488.98	406.22
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,970.77	406.22
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,452.56	406.22
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,971.42	406.22
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,936.92	406.22
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,715.84	406.22
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,457.70	406.22
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,607.86	406.22
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	30,016.18	406.22
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,908.20	406.22
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,208.54	406.22
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,807.93	406.22
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,464.60	541.63
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	19,020.51	541.63
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,539.36	541.63
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,984.09	541.63
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,912.54	541.63
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,691.46	541.63
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,396.25	541.63
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,620.54	541.63
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,991.79	541.63
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,920.88	541.63
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,258.28	541.63
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,820.60	541.63
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,638.34	609.34
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,157.20	609.34
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,601.92	609.34
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,567.43	609.34
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,161.04	609.34
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	29,014.08	609.34
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,238.37	609.34
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,646.68	609.34
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,279.28	609.34
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,876.11	609.34
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,438.44	609.34
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,219.77	677.04
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,812.74	677.04
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,667.06	677.04
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,445.98	677.04
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,187.84	677.04
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,338.01	677.04
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,783.38	677.04
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,638.34	677.04
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,938.68	677.04
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,575.13	677.04
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,824.78	812.45
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,343.63	812.45
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,197.95	812.45
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,902.75	812.45
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,718.73	812.45
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,868.89	812.45
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,203.08	812.45
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,206.29	812.45
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,543.69	812.45
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,068.95	812.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0079		**Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** *(22 33 33)*		
		Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,771.51	236.96
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	3,005.00	236.96
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,246.88	270.82
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,915.26	270.82
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,791.89	338.52
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,483.21	406.22
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,771.48	609.34
22 33 33 00-0087		**Water Heater Accessories** *(22 33 33)*		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	53.32	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	77.77	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts		
22 33 33 00-0090		**Removal And Reinstallation Of Water Heater** *(22 33 33)*		
		Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	451.36	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,354.08	
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	43,741.75	895.05
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	45,893.96	895.05
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,046.18	895.05
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,198.39	895.05
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,502.82	895.05
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,807.25	895.05
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	62,250.80	895.05
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	46,604.55	1,051.68
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	48,773.33	1,051.68
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	50,942.10	1,051.68
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	53,110.87	1,051.68
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	57,448.40	1,051.68
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	61,785.95	1,051.68
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,255.99	1,051.68
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	70,461.02	1,051.68
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	48,402.00	1,197.13
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,539.50	1,197.13
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,677.00	1,197.13
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,814.50	1,197.13
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	59,089.50	1,197.13
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	63,364.50	1,197.13
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	67,639.50	1,197.13
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,769.50	1,197.13
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,899.49	1,197.13
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	53,395.55	1,376.15
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	55,546.73	1,376.15
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	57,697.92	1,376.15
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	62,000.28	1,376.15
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	66,302.64	1,376.15
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	69,744.52	1,376.15
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	76,341.48	1,376.15
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	81,504.31	1,376.15
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	84,085.73	1,376.15
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	86,667.14	1,376.15
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	89,248.56	1,376.15
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	59,276.66	1,622.28
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	61,292.54	1,622.28
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	63,308.42	1,622.28
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	67,340.18	1,622.28
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	71,371.94	1,622.28
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	74,597.35	1,622.28
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	79,435.46	1,622.28
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	84,273.58	1,622.28
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	86,692.63	1,622.28
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	89,111.69	1,622.28
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	91,530.75	1,622.28
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	95,159.33	1,622.28
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	65,001.11	1,790.11
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	67,491.78	1,790.11
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	69,982.45	1,790.11
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	74,963.78	1,790.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	79,945.12	1,790.11
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	83,930.19	1,790.11
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	89,907.80	1,790.11
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	95,885.40	1,790.11
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	98,874.20	1,790.11
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	101,863.00	1,790.11
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	104,851.81	1,790.11
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	110,829.41	1,790.11
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	113,818.21	1,790.11
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	75,878.61	2,013.87
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	78,532.97	2,013.87
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	81,187.32	2,013.87
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	86,496.04	2,013.87
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	91,804.76	2,013.87
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	96,051.73	2,013.87
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	102,422.19	2,013.87
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	108,792.65	2,013.87
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	111,977.88	2,013.87
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	115,163.11	2,013.87
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	118,348.34	2,013.87
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	124,718.80	2,013.87
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	127,904.03	2,013.87
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	134,274.49	2,013.87
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	140,644.94	2,013.87
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	89,073.86	2,237.63
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	92,160.02	2,237.63
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	95,246.19	2,237.63
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	101,418.50	2,237.63
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	107,590.83	2,237.63
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	112,528.69	2,237.63
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	118,899.15	2,237.63
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	126,305.93	2,237.63
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	130,009.33	2,237.63
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	133,712.72	2,237.63
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	137,416.12	2,237.63
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,859.23	2,237.63
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	153,266.01	2,237.63
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,969.41	2,237.63
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	164,376.20	2,237.63
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	102,741.38	2,987.23
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	109,030.45	2,987.23
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	115,319.52	2,987.23
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	120,350.77	2,987.23
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	127,897.66	2,987.23
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	135,444.54	2,987.23
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	139,217.99	2,987.23
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	142,991.44	2,987.23
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	146,764.87	2,987.23
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	154,311.76	2,987.23
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,858.65	2,987.23
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	165,632.08	2,987.23
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	173,178.98	2,987.23
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	120,318.69	3,837.53
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	125,703.27	3,837.53
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	131,087.84	3,837.53
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	135,395.51	3,837.53
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	141,857.00	3,837.53
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	148,318.49	3,837.53
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	151,549.23	3,837.53
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	154,779.98	3,837.53
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	158,010.72	3,837.53
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,472.21	3,837.53
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	170,933.70	3,837.53
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	174,164.44	3,837.53
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	180,625.93	3,837.53
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	133,519.08	4,475.26
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	138,466.95	4,475.26
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	143,414.82	4,475.26
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	147,373.12	4,475.26
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	153,310.57	4,475.26
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	159,248.02	4,475.26
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	162,216.74	4,475.26
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	165,185.47	4,475.26
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	168,154.20	4,475.26
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	174,091.64	4,475.26
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	180,029.09	4,475.26
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	182,997.81	4,475.26
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	188,935.27	4,475.26
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,872.71	4,475.26
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	146,532.98	5,370.32
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	151,313.38	5,370.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	156,093.78	5,370.32
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	159,918.10	5,370.32
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	165,654.58	5,370.32
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	171,391.06	5,370.32
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	174,259.30	5,370.32
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	177,127.54	5,370.32
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	179,995.78	5,370.32
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	185,732.27	5,370.32
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	191,468.75	5,370.32
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	194,336.99	5,370.32
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	200,073.47	5,370.32
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	205,809.95	5,370.32

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,689.00	270.82
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,920.73	274.21
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	3,220.59	280.98
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,785.98	287.74
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,621.85	304.66
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,724.11	304.66

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,913.96	270.82
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,621.85	304.66

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,981.95	260.66
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,940.31	267.43
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,625.81	274.21
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,850.52	280.98
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	3,123.59	287.74
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,686.58	304.66

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,740.82	267.43
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	4,281.38	274.21
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	5,610.45	280.98

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	3,384.87	267.43
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,528.26	274.21

22 34 36 Commercial Gas Domestic Water Heaters *(22 34)*

22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)*

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,573.59	406.22
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	8,260.55	473.93
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,621.57	541.63
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,590.00	541.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,786.35	541.63
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	10,895.90	595.80
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,727.17	609.34
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	11,752.48	670.27
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,302.13	609.34
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	11,307.42	670.27
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,349.11	744.75
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	12,410.74	819.22
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,520.82	744.75
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	12,483.89	819.22
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,756.56	812.45
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	13,767.81	893.69
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,275.23	812.45
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	16,201.01	893.69
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	16,009.93	880.15
22 34 36 13-0021	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,706.64	338.52
22 34 36 13-0022	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,023.44	338.52

22 34 36 13-0023 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0024	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	615.49	
22 34 36 13-0025	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,627.50	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,867.04	406.22
22 34 36 19-0003	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,218.39	406.22
22 34 36 19-0004	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,308.17	406.22
22 34 36 19-0005	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	9,258.20	446.85
22 34 36 19-0006	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	9,785.92	473.93
22 34 36 19-0007	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	11,969.71	521.32
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	9,775.03	541.63
22 34 36 19-0009	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	12,238.01	595.80
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	11,365.73	609.34
22 34 36 19-0011	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	13,337.14	670.27
22 34 36 19-0012	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	14,840.09	819.22
22 34 36 19-0013	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	16,246.44	893.69
22 34 36 19-0014	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	17,806.80	968.17

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	100,751.33	1,790.11
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	121,881.90	1,901.98
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	148,165.53	2,013.87
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	177,194.04	2,125.75
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	185,726.24	2,237.63

22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,521.27	998.30
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,582.49	1,123.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,722.78	1,372.67
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,942.70	1,497.46
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	25,227.94	1,747.03
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,857.73	1,996.61
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,876.55	2,246.19
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	38,121.90	2,495.76
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	39,555.50	2,620.55
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	42,438.48	2,745.34

22 34 36 23-0018 Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)*

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	22,000.32	748.61
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	25,560.99	998.30
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	33,492.71	1,123.09
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	42,065.87	1,372.67
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	49,723.66	1,497.46
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	56,241.74	1,622.25
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	67,550.88	1,747.03
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	74,876.25	1,871.82
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	98,560.37	1,996.61
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	132,502.49	2,620.55
		For Skid Mounting, Add	*950.00*	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	39,071.63	1,896.78
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	55,136.75	2,096.45
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	59,821.72	2,196.27
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	64,795.00	2,395.94

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	34,668.23	1,896.78
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	38,299.43	2,096.45
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	41,861.25	2,196.27
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	45,482.35	2,395.94

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,939.69	898.48
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,835.88	998.30
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,554.17	1,197.97
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,254.13	1,247.88
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,918.72	1,497.46
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	22,094.19	1,796.95
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,101.99	1,896.78
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,818.66	2,046.53
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,358.34	2,146.36
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	32,572.85	2,196.27

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	25,304.98	1,497.46
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	27,925.87	1,796.95
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,414.68	2,046.53
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,449.80	2,146.36
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	36,028.22	2,196.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	30,433.87	1,796.95
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,742.66	2,046.53
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	39,005.69	2,196.27

22 34 46 Oil-Fired Domestic Water Heaters *(22 34)*

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 11-0001		Oil-Fired Domestic Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	4,065.82	208.53
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	4,016.46	208.53
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	4,175.04	208.53
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,377.55	213.95
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,453.27	219.36
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,669.12	219.36
22 34 46 11-0008		Oil-Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	6,206.32	324.98
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	7,238.71	324.98
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	7,278.42	324.98
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	10,179.46	433.30
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	14,309.05	541.63
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	17,800.70	595.80

22 34 46 13 Large-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 13-0001		Commercial Oil-Fired Domestic Water Heaters *(22 34 46 13)*		
22 34 46 13-0002	EA	140 Gallon, 140 MBH, 134 GPH, Glass Lined, Commercial Oil-Fired Water Heater	29,271.91	787.93
22 34 46 13-0003	EA	140 Gallon, 199 MBH, 191 GPH, Glass Lined, Commercial Oil-Fired Water Heater	30,247.07	839.11
22 34 46 13-0004	EA	140 Gallon, 255 MBH, 247 GPH, Glass Lined, Commercial Oil-Fired Water Heater	31,539.39	1,048.89
22 34 46 13-0005	EA	140 Gallon, 270 MBH, 259 GPH, Glass Lined, Commercial Oil-Fired Water Heater	39,220.85	1,398.52
22 34 46 13-0006	EA	160 Gallon, 400 MBH, 385 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,711.22	1,678.23
22 34 46 13-0007	EA	160 Gallon, 540 MBH, 519 GPH, Glass Lined, Commercial Oil-Fired Water Heater	42,480.38	1,748.15
22 34 46 13-0008	EA	160 Gallon, 720 MBH, 691 GPH, Glass Lined, Commercial Oil-Fired Water Heater	43,446.85	1,824.09
22 34 46 13-0009	EA	200 Gallon, 300 MBH, 288 GPH, Glass Lined, Commercial Oil-Fired Water Heater	56,413.42	1,907.16
22 34 46 13-0010	EA	200 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	60,342.44	1,951.50
22 34 46 13-0011	EA	200 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	62,860.03	2,046.59
22 34 46 13-0012	EA	200 Gallon, 1,000 MBH, 960, Glass Lined, Commercial Oil-Fired Water Heater	64,508.25	1,997.93
22 34 46 13-0013	EA	240 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	65,221.00	2,063.37
22 34 46 13-0014	EA	240 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,671.20	2,170.22
22 34 46 13-0015	EA	300 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	65,875.29	2,099.60
22 34 46 13-0016	EA	300 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	68,671.92	2,188.68
22 34 46 13-0017	EA	300 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,167.53	2,209.24
22 34 46 13-0018	EA	300 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,544.92	2,316.09
22 34 46 13-0019	EA	300 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	76,473.97	2,453.14
22 34 46 13-0020	EA	400 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,408.15	2,247.70
22 34 46 13-0021	EA	400 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	74,483.69	2,330.91
22 34 46 13-0022	EA	400 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	75,826.81	2,420.56
22 34 46 13-0023	EA	400 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	77,868.71	2,568.80
22 34 46 13-0024	EA	400 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	82,276.75	2,736.21
22 34 46 13-0025	EA	400 Gallon, 1,750 MBH, 1,681 GPH, Glass Lined, Commercial Oil-Fired Water Heater	84,985.94	2,927.10
22 34 46 13-0026	EA	400 Gallon, 2,000 MBH, 1,921 GPH, Glass Lined, Commercial Oil-Fired Water Heater	91,671.73	3,069.89
22 34 46 13-0027	EA	400 Gallon, 2,250 MBH, 2,161 GPH, Glass Lined, Commercial Oil-Fired Water Heater	95,065.85	3,312.26
22 34 46 13-0028	EA	400 Gallon, 2,500 MBH, 2,401 GPH, Glass Lined, Commercial Oil-Fired Water Heater	98,459.82	3,554.76

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,873.03	677.04
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,580.48	829.64
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	11,000.32	1,085.02
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,895.71	1,511.29
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	22,042.25	2,489.07
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	24,048.45	2,820.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	31,449.71	3,254.94
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	37,824.14	3,846.81
22 35 23 13-0011		Variable Flow *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	10,426.76	1,320.23
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,845.50	1,612.04
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	15,117.37	2,084.47
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	19,867.46	2,908.29
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	29,774.81	4,863.86
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	36,099.85	5,356.33
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	41,832.98	6,268.85
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	52,865.64	7,489.42

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001		Disposals *(22 41 26)*		
22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	277.36	72.04
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	315.99	72.04
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	412.55	72.04
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	509.12	72.04

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001		Residential Kitchen Faucets *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	259.14	62.36
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	301.88	62.36
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	301.88	62.36
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	290.08	62.36
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	313.04	62.36
22 41 39 00-0007		Residential Lavatory Faucets *(22 41 39)*		
22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	239.88	44.89
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	239.88	44.89
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	169.57	44.89
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0011		Residential Bath And Shower Faucets *(22 41 39)*		
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	313.44	54.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	371.91	54.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	287.95	54.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	319.43	54.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	360.06	33.86
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	297.44	33.86
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	335.43	33.86
22 41 39 00-0019		Residential Laundry Faucets *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	205.41	39.81
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	207.17	39.81
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	299.80	43.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0024		**Supply Lines and Shut-off Valves** *(22 41 39)* See CSI section 22 42 39 00-0148 for supply lines and shut-off valves.		
22 41 39 00-0025	EA	16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	20.08	8.46
22 41 39 00-0026	EA	20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	23.15	8.46
22 41 39 00-0027		**Other Residential Faucets** *(22 41 39)*		
22 41 39 00-0028	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	47.41	10.16

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001		**Vitreous China Water Closets** *(22 42 13 13)* Note: With a 2" ball pass.		
22 42 13 13-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	693.54	129.69
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	831.65	129.69
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,030.04	129.69
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	871.58	129.69
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	972.43	129.69
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	984.83	129.69
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	669.17	129.69
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	750.43	129.69
22 42 13 13-0011		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	788.85	159.62
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	1,002.92	159.62
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,259.73	159.62
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	799.77	159.62
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,582.82	159.62
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	885.13	159.62
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	852.82	159.62
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	978.16	159.62
22 42 13 13-0020		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	673.96	129.69
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	740.48	129.69
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	921.25	129.69
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	894.24	129.69
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	919.84	129.69
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,136.65	129.69
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	894.49	129.69
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	791.77	129.69
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	855.83	129.69
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	957.61	129.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	812.67	129.69
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	796.41	129.69
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	866.98	129.69
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	723.73	129.69
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	713.05	129.69
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	787.79	129.69
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	811.86	129.69
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	788.87	129.69
22 42 13 13-0041		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,657.81	280.57
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,409.74	280.57
22 42 13 13-0044		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0045		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	761.91	65.84
22 42 13 13-0047		**No-Hub, Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,200.58	65.84
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*295.40*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,200.58	65.84
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*295.40*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,314.66	65.84
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*295.40*	
		For Horizontal No Hub Cast Long Barrel, Add	*307.57*	
		For Carrier For Wide Chase Installations, Add	*398.91*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,460.88	65.84
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*235.27*	
		For Auxiliary Inlet, Add	*295.40*	
		For Carrier For Wide Chase Installations, Add	*398.91*	
		For Double 4" Branches, Add	*472.13*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	2,005.92	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*314.11*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,063.78	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*314.11*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,524.93	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*244.63*	
		For Auxiliary Inlet, Add	*314.11*	
		For Double 4" Branches, Add	*490.84*	
		For Carrier For Wide Chase Installations, Add	*853.93*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,373.89	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*316.93*	
		For Carrier For Wide Chase Installations, Add	*853.93*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0056 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,122.98	65.84
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*295.40*	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,200.58	65.84
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*295.40*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,515.51	65.84
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*235.27*	
		For Auxiliary Inlet, Add	*295.40*	
		For Carrier For Wide Chase Installations, Add	*398.91*	
		For Double 4" Branches, Add	*472.13*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,873.14	96.65
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*314.11*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,579.57	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*244.63*	
		For Auxiliary Inlet, Add	*314.11*	
		For Double 4" Branches, Add	*490.84*	
		For Carrier For Wide Chase Installations, Add	*853.93*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0062 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

(22 42 13 13-0044)

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	919.38	65.84
		For Positioning Frame, Add	*67.83*	
		For Supply Pipe Support, Add	*69.44*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	

22 42 13 13-0064 Institutional Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,325.15	96.65
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*145.00*	
		For Supply Pipe Support, Add	*148.23*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*314.11*	

22 42 13 13-0066 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	572.37	
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	572.37	
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	440.75	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	440.75	

22 42 13 16 Commercial Urinals *(22 42 13)*

22 42 13 16-0001 Vitreous China Urinals *(22 42 13 16)*

Note: Excludes flush valve unless indicated otherwise.

22 42 13 16-0002 Wall Hung Urinals *(22 42 13 16-0001)*

22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	703.88	133.43
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	840.05	133.43
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	797.23	133.43
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	881.00	133.43
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	835.95	133.43
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	675.06	133.43
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	895.52	133.43
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	805.52	133.43
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	792.44	133.43
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	722.54	133.43
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	772.08	133.43

22 42 13 16-0014 Floor Mounted Urinals *(22 42 13 16-0001)*

22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,236.22	168.35
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,347.66	168.35
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	371.36	31.17
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	421.68	31.17

22 42 13 16-0019 Waterfree Urinals *(22 42 13 16-0001)*

22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	751.02	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-50.08*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	912.69	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-68.51*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	866.41	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-63.23*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	706.18	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	706.18	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	937.81	93.53
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-71.37*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,138.09	93.53
		For >1, Deduct	*-94.20*	

22 42 13 16-0027 Stainless Steel Urinals *(22 42 13 16)*

22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,702.70	280.57
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,447.72	342.93

22 42 13 16-0030 Urinal Carriers *(22 42 13 16)*

22 42 13 16-0031 Floor Mounted, Urinal Carriers *(22 42 13 16-0030)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	629.36	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	731.15	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	

22 42 13 16-0034 Wall Mounted, Urinal Carriers *(22 42 13 16-0030)*

Note: Includes wall plate and adjustable supporting rods.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	289.27	47.38
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	

22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	568.08	

22 42 16 Commercial Lavatories and Sinks *(22 42)*

22 42 16 13 Commercial Lavatories *(22 42 16)*

22 42 16 13-0001 Lavatories *(22 42 16 13)*

Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 13-0002 Wall Hung Lavatories *(22 42 16 13-0001)*

22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	602.81	83.55
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	629.62	83.55
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	779.76	83.55
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	553.93	83.55
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	479.04	83.55
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	602.37	83.55
22 42 16 13-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	566.55	83.55
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	501.12	83.55
22 42 16 13-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	707.66	83.55

22 42 16 13-0012 Countertop Lavatories *(22 42 16 13-0001)*

22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	581.31	101.01
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	593.58	101.01
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	627.78	101.01
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	664.20	101.01
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	868.83	109.11

22 42 16 13-0018 Undermount Lavatories *(22 42 16 13-0001)*

22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	538.28	101.01
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	512.37	101.01
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	512.37	101.01
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	543.99	101.01
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	527.81	101.01
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	523.04	101.01
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	527.90	101.01
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	635.18	101.01
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	635.18	101.01

22 42 16 13-0028 Pedestal Lavatories *(22 42 16 13-0001)*

22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	739.20	240.05

22 42 16 13-0030 Cultured Marble Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	410.07	93.53
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	470.76	99.76
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	580.32	106.00
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	820.04	112.23
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	445.60	93.53
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	480.76	99.76
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	639.42	106.00
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	702.56	109.11
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	795.04	112.23

22 42 16 13-0040 Quartz Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	825.51	93.53
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	863.06	99.76
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	994.90	106.00
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,002.85	109.11
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,095.82	112.23
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,471.25	118.46
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,739.24	124.68
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	48.53	

22 42 16 13-0049 Solid Surface Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	690.32	93.53
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	777.89	99.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	877.04	106.00
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	967.07	109.11
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,049.45	112.23
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,157.80	115.35
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,290.58	118.46
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,323.41	118.46
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,430.26	124.68
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	71.57	
22 42 16 13-0060		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0061	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,549.15	218.23
22 42 16 13-0062		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,206.56	171.70
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0064	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,575.40	171.70
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0065	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	485.45	57.24
22 42 16 13-0066	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	602.75	57.24
22 42 16 13-0067	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,200.16	57.24
22 42 16 13-0068		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0069		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0070		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	629.36	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*117.30*	
		For Corner Carrier, Add	*228.18*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	731.15	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*117.30*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	838.81	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*234.59*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	962.54	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*234.59*	
22 42 16 13-0075		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)*		
		Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	809.93	56.12
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*119.79*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,159.40	56.12
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*119.79*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,081.18	56.12
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*239.58*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,723.40	56.12
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*239.58*	
		For Heavy-Duty Carrier, Add	*234.59*	
22 42 16 13-0080		**Wall Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0081		**Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0080)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	289.27	47.38
		For Double Plate Carrier, Add	*89.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0083		**Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 13-0080)*		
		Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	489.35	56.12
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	579.34	56.12
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	857.32	56.12
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0087		**Removal And Reinstallation Of Lavatory And Trim** *(22 42 16 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	366.76	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		**Sinks** *(22 42 16 16)*		
		Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002		**Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	807.82	117.22
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	1,066.49	133.43
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	1,048.35	114.73
		For 18 Gauge, Add	*290.36*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	1,076.92	114.73
		For 18 Gauge, Add	*304.65*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,141.20	114.73
		For 18 Gauge, Add	*336.79*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,199.02	117.22
		For 18 Gauge, Add	*358.22*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,527.57	133.43
		For 18 Gauge, Add	*498.69*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,573.57	133.43
		For 18 Gauge, Add	*521.47*	
22 42 16 16-0011	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	2,029.52	133.43
22 42 16 16-0012	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,511.44	114.73
22 42 16 16-0013	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,543.58	114.73
22 42 16 16-0014	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,624.53	114.73
22 42 16 16-0015	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,733.54	117.22
22 42 16 16-0016	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,109.71	133.43
22 42 16 16-0017		**Undermount Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,376.50	114.73
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,336.44	114.73
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,388.41	114.73
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,469.36	114.73
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)	1,418.17	114.73
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,625.65	114.73
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,935.85	114.73
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	1,088.25	114.73
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,454.38	114.73
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)*		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,200.29	202.64
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,926.62	218.23
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	3,361.14	233.82
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,822.81	155.87
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,139.96	171.46
		Note: Excludes faucets.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,450.70	187.06
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,834.21	210.44
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,750.76	342.93
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	740.42	133.43
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	854.01	133.43
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	738.17	133.43
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,139.62	133.43
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,625.40	149.64
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	285.47	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,309.15	200.76
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,371.10	200.76
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,578.74	265.61
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	619.74	187.06
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	718.64	187.06
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	799.02	224.46
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	694.01	187.06
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	790.96	224.46
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,072.47	187.06
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,323.18	224.46
22 42 16 16-0055		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0056	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,682.33	311.76
22 42 16 16-0057		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0058	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,266.06	114.73
22 42 16 16-0059	SF	Soapstone Sink Backsplash	202.37	
22 42 16 16-0060	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,611.90	133.43
22 42 16 16-0061	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,884.43	133.43
22 42 16 16-0062		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0063		**Floor Mounted, Sink Carriers** *(22 42 16 16-0062)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	918.40	47.38
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*117.30*	
22 42 16 16-0065	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,534.56	47.38
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*269.97*	
22 42 16 16-0066	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,926.65	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0067		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	502.83	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,398.70	346.66
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,735.18	346.66
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,767.08	346.66
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,723.92	346.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0007		Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	806.22	346.66
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	967.67	346.66
22 42 19 00-0010		Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,377.94	346.66
22 42 19 00-0012		Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,404.55	346.66
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,683.04	346.66
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,709.56	346.66
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,689.49	346.66
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,722.82	346.66
22 42 19 00-0018		Bathtub Refinishing *(22 42 19)*		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	715.52	
22 42 19 00-0020		Tub And Shower Combinations *(22 42 19)*		
22 42 19 00-0021		Acrylic Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	935.79	123.62
		For 2 Piece Enclosure, Deduct	*-211.96*	
22 42 19 00-0023		Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	1,132.98	123.62
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	1,116.71	123.62
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,641.26	186.58
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,584.50	428.99
		For 2 Piece Enclosure, Deduct	*-549.40*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,720.35	201.13
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,866.80	201.13
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,804.11	201.13
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	3,082.37	201.13
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,788.00	201.13
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	3,053.08	201.13
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,371.16	201.13
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,883.75	201.13
22 42 23 00-0012		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,031.04	201.13
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,062.45	201.13
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,106.67	201.13
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,204.10	201.13
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,214.99	201.13
22 42 23 00-0018		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0019	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3232CS)	1,056.88	123.62
22 42 23 00-0020	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3636CS)	1,090.21	123.62
22 42 23 00-0021		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0022		Acrylic Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	657.91	50.78
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	698.66	50.78
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	780.04	50.78
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	949.56	60.93
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	659.83	50.78
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	713.42	50.78
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	813.13	50.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor	1,183.49	132.99
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor	898.84	60.93
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor	905.74	60.93
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor	912.07	60.93
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor	1,011.14	60.93
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor	984.57	50.78
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	1,138.38	50.78
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,725.12	126.34

22 42 23 00-0038 Molded Stone Shower Receptors *(22 42 23 00-0021)*

22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	332.34	50.78
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	347.24	50.78
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	348.90	50.78
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	422.57	50.78
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	377.87	50.78
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	398.57	50.78
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	401.05	50.78
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	465.53	60.93
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	481.26	60.93
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	382.01	50.78
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	391.12	50.78

22 42 23 00-0050 Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*

22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	602.21	50.78
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	624.56	50.78
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	645.26	50.78
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	647.74	50.78
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	706.52	50.78
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	736.32	50.78
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	1,024.40	50.78
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	640.29	50.78
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	652.16	50.78
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	673.40	50.78
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	699.89	50.78
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	702.38	50.78
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	736.32	50.78
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor	770.26	50.78
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor	1,037.25	60.93
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor	1,131.18	60.93
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor	1,135.79	60.93
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor	1,140.37	60.93
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	651.05	50.78
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	652.16	50.78
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	654.36	50.78
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	779.36	50.78
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,396.09	50.78
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,556.60	60.93
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,621.17	60.93

22 42 23 00-0076 Shower Receptors Accessories *(22 42 23 00-0021)*

22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.32	

22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head	60.93	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	10,494.25	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,767.58	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	9,988.23	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	13,379.13	228.93
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	6,654.53	228.93
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	11,966.94	228.93
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	9,156.61	171.70
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	5,264.89	171.70
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	7,574.81	171.70
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	11,237.18	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	6,352.36	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	9,010.52	200.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	280.96	62.36
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	320.15	62.36
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	317.12	62.36
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	351.13	62.36
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	260.26	62.36
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	287.86	62.36
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	380.89	62.36
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	264.15	62.36
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	253.70	62.36
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	304.78	62.36
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	541.38	62.36
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	596.24	62.36
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	558.25	67.70
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	555.58	67.70
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	407.98	67.70
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	979.18	62.36
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	1,245.37	62.36
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,334.10	62.36
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	979.18	62.36
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	1,245.37	62.36
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,334.10	62.36

22 42 39 00-0023 Lavatory Faucets *(22 42 39)*

22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	366.91	44.89
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	253.59	44.89
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	315.58	44.89
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	346.49	44.89
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	426.34	44.89
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	509.73	44.89
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	302.24	44.89
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	461.87	44.89
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	331.90	44.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	339.67	44.89
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	410.89	44.89
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	402.47	44.89
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	328.18	44.89
22 42 39 00-0037		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0038		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0037)*		
22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	322.43	54.12
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	380.90	54.12
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	418.39	54.12
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	296.95	54.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	311.94	54.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	355.42	54.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	404.89	54.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA	Senior Institutional Shower Head (Symmons® 4-150)	313.06	54.12
22 42 39 00-0048	EA	Universal Institutional Shower Head (Symmons® 4-151)	536.30	54.12
22 42 39 00-0049	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	371.83	54.12
22 42 39 00-0050	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	275.58	54.12
22 42 39 00-0051	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	1,202.38	81.05
22 42 39 00-0052	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	974.25	93.53
22 42 39 00-0053	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,300.04	93.53
22 42 39 00-0054	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,844.82	99.76
22 42 39 00-0055	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	509.82	84.17
22 42 39 00-0056	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	1,196.04	84.17
22 42 39 00-0057	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	818.02	84.17
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,675.23	84.17
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	2,000.58	84.17
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,347.27	84.17
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	2,057.77	84.17
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	2,210.92	84.17
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	4,118.53	84.17
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	3,591.76	84.17
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,779.57	84.17
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,756.81	84.17
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,777.11	84.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,771.71	84.17
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,310.55	74.82
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	1,016.67	54.12
22 42 39 00-0071		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	699.21	103.81
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	490.21	103.81
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	530.69	103.81
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	551.68	103.81
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	717.49	145.53
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	802.63	165.86
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	934.57	165.86
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	547.26	103.81
22 42 39 00-0080	EA	8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP)	817.20	165.86
22 42 39 00-0081	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	1,133.67	165.86
22 42 39 00-0082		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0083	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	283.18	44.14
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	466.72	62.36
22 42 39 00-0085	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	610.99	62.36
22 42 39 00-0086	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	369.18	58.24
22 42 39 00-0087	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	500.34	83.05
22 42 39 00-0088	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	688.45	83.05
22 42 39 00-0089	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	552.11	62.36
22 42 39 00-0090	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	534.53	83.05
22 42 39 00-0091	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	352.28	47.93
22 42 39 00-0092	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	496.21	67.70
22 42 39 00-0093	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	376.99	67.70
22 42 39 00-0094	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	465.47	67.70
22 42 39 00-0095	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	113.34	41.65
22 42 39 00-0096	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	768.41	74.82
22 42 39 00-0097	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	995.68	74.82
22 42 39 00-0098	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	1,202.73	74.82
22 42 39 00-0099	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	1,060.55	74.82
22 42 39 00-0100	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	1,267.87	74.82
22 42 39 00-0101	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	173.40	41.15
22 42 39 00-0102	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	242.50	49.38
22 42 39 00-0103	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	242.50	49.38
22 42 39 00-0104	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	311.61	57.61
22 42 39 00-0105	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	380.71	65.84
22 42 39 00-0106		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0107	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	944.91	46.76
22 42 39 00-0108	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,023.59	43.65
22 42 39 00-0109	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,320.34	46.76
22 42 39 00-0110	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,394.24	46.76
22 42 39 00-0111	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,690.94	31.17
22 42 39 00-0112	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,042.44	77.94
22 42 39 00-0113	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,848.67	77.94
22 42 39 00-0114	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,942.73	77.94
22 42 39 00-0115	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	379.38	47.40
22 42 39 00-0116	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	418.61	47.40
22 42 39 00-0117	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	452.87	47.40
22 42 39 00-0118	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	2,037.03	31.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0119		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0120	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	511.07	44.14
22 42 39 00-0121	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	448.99	58.24
22 42 39 00-0122	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	503.90	44.14
22 42 39 00-0123	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	299.01	63.23
22 42 39 00-0124	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	599.51	47.93
22 42 39 00-0125	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	607.76	47.93
22 42 39 00-0126	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	503.56	47.93
22 42 39 00-0127		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0128	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	926.50	104.00
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	935.49	104.00
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0130	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,263.16	112.93
22 42 39 00-0131	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,321.16	104.00
22 42 39 00-0132	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,975.51	112.93
22 42 39 00-0133	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	2,482.41	112.93
22 42 39 00-0134	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	2,316.20	112.93
22 42 39 00-0135	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,608.49	104.00
22 42 39 00-0136	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,112.68	104.00
22 42 39 00-0137	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,175.09	104.00
22 42 39 00-0138	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	1,019.08	104.00
22 42 39 00-0139	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,175.09	104.00
22 42 39 00-0140	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	1,027.77	104.00
22 42 39 00-0141	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	1,027.77	104.00
22 42 39 00-0142	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,156.07	104.00
22 42 39 00-0143	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	981.81	104.00
22 42 39 00-0144	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	942.45	104.00
22 42 39 00-0145	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,932.51	104.00
22 42 39 00-0146		**Singles** *(22 42 39)*		
22 42 39 00-0147	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	355.58	45.77
22 42 39 00-0148		**Supply Lines and Shut-off Valves** *(22 42 39)*		
22 42 39 00-0149	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	55.56	13.09
22 42 39 00-0150	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	55.56	13.09
22 42 39 00-0151	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	46.40	13.09
22 42 39 00-0152	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	43.51	14.39
22 42 39 00-0153	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	24.79	8.46
22 42 39 00-0154	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	25.22	8.46
22 42 39 00-0155		**Other Trim** *(22 42 39)*		
22 42 39 00-0156	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	24.68	6.77
22 42 39 00-0157	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	147.97	20.31
22 42 39 00-0158		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0159	EA	Removal And Reinstallation Of Faucet	108.33	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	275.61	42.52
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	267.51	42.52
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	263.41	42.52
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	417.32	42.52
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	515.13	42.52
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	874.88	42.52
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	778.57	42.52
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	819.83	42.52
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	747.38	42.52
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	360.77	42.52
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	727.67	42.52
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	303.29	42.52
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	475.63	42.52
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	356.87	37.41
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	437.55	37.41
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	736.85	42.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	806.15	42.52
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,050.17	42.52
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,050.17	42.52
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	747.12	42.52
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	721.04	42.52
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	396.21	37.41
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	120.41	6.78
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	798.14	42.52
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	284.91	42.52
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	614.61	42.52
22 42 43 00-0028		**Urinal Flush Valves** *(22 42 43)*		
22 42 43 00-0029	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	213.45	42.52
22 42 43 00-0030	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	505.83	42.52
22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	351.36	42.52
22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	533.68	42.52
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	707.04	42.52
22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	945.65	42.52
22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,059.36	42.52
22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	679.91	42.52
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	840.80	42.52
22 42 43 00-0038	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	705.01	42.52
22 42 43 00-0039	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	265.92	42.52
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	597.00	42.52
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	747.12	42.52
22 42 43 00-0042		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043	EA	Removal And Reinstallation Of Flush Valve	169.26	
22 42 43 00-0044		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	63.62	

22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	5,169.57	1,247.01
		For Extra Urinal, Add	*167.79*	
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	6,143.87	1,485.18
		For Extra Urinal, Add	*198.72*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	7,386.81	1,684.71
		For Extra Urinal, Add	*267.35*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001		**Healthcare Water Closets** *(22 43 13)*		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	899.75	129.69
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	734.39	129.69

22 43 16 Healthcare Sinks *(22 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0001		**Healthcare Sinks** *(22 43 16)*		
		Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,374.85	83.55
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,487.44	240.05
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
		For Pedestal Base, Add	*579.06*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,319.25	83.55
		For Painted Bracket Supports, Add	*204.82*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,152.44	83.55
22 43 39		**Healthcare Faucets** *(22 43)*		
22 43 39 00-0001		**Medical Faucet Spouts** *(22 43 39)*		
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	117.94	18.71
22 43 39 00-0003		**Electronic Proximity Medical Faucets** *(22 43 39)*		
22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	671.28	91.53
		For Hard Wired AC Powered, Add	*28.76*	
22 43 39 00-0005		**Foot And Knee Faucet Controls** *(22 43 39)*		
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	544.21	166.35
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	647.66	166.35
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,445.05	166.35
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	782.69	166.35
22 43 39 00-0010		**Centerset Medical Faucets** *(22 43 39)*		
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	788.43	91.53
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	797.80	91.53
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	796.85	91.53
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	707.84	91.53
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	675.98	91.53
22 43 39 00-0016		**Bedpan Washers** *(22 43 39)*		
22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,890.66	166.35
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,792.55	166.35
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,763.49	166.35
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,735.23	166.35
22 43 43		**Healthcare Plumbing Fixture Flushometers** *(22 43)*		
22 43 43 00-0001		**Healthcare Plumbing Fixture Flushometers** *(22 43 43)*		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	269.06	42.52
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	593.53	42.52
22 43 46		**Healthcare Patient Care Units** *(22 43)*		
22 43 46 00-0001		**Patient Care Units** *(22 43 46)*		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,992.96	249.40
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,195.63*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,543.79	218.23
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,195.63*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	
22 43 46 00-0004		**Patient Care Plumbing Accessories** *(22 43 46)*		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	2,000.20	33.86
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,203.34	33.86

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)		796.53	218.23
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)		908.28	218.23
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)		970.36	218.23
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)		1,156.60	218.23
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)		1,541.51	218.23
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)		1,231.36	249.40
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)		1,349.59	280.57
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)		1,231.64	280.57
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)		1,256.47	280.57
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)		1,722.08	280.57

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)		695.53	218.23
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)		714.88	218.23
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)		1,101.86	249.40

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)		1,008.43	218.23
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)		1,033.45	218.23
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)		2,258.37	218.23
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)		1,612.84	280.57
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)		2,178.78	280.57

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)		335.29	6.24
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)		1,622.75	280.57

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)		1,025.99	62.36
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)		1,025.99	62.36
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)		1,044.94	62.36
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)		1,044.94	62.36
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)		1,392.87	62.36
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)		1,588.87	62.36
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)		1,588.87	62.36
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)		2,955.89	62.36
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)		2,955.89	62.36
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)		3,093.80	62.36
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)		3,093.80	62.36
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)		3,819.54	62.36
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)		3,819.54	62.36
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)		1,866.54	218.23
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)		1,839.79	218.23
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)		1,312.53	218.23
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)		1,868.56	218.23
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)		1,114.02	218.23

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)		346.28	18.71
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)		1,810.38	18.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	851.87	155.87
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	864.82	218.23
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	846.20	218.23
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	919.45	218.23
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	926.90	218.23
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	1,015.06	218.23
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,367.68	218.23
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,547.22	218.23
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,057.53	249.40
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,200.32	249.40
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,640.60	249.40
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	702.06	62.36
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	677.22	62.36
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	708.26	62.36
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	888.30	62.36
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,187.95	311.76
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,628.19	249.40
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,709.43	311.76
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,162.09	249.40

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	776.15	218.23
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	947.06	249.40

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,661.47	218.23
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,217.50	218.23
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,146.81	218.23
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,978.13	218.23
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,081.17	62.36
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,081.17	62.36
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,048.27	62.36
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,048.27	62.36
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,613.60	62.36
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,613.60	62.36

22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*

Note: Includes one pull rod.

22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,918.15	218.23

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	751.85	77.94
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	863.60	77.94
22 45 29 00-0005		Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*		
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	818.98	77.94
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	752.95	77.94
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,141.49	77.94
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,068.00	77.94
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,094.31	77.94
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,440.79	77.94
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,671.23	77.94
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,593.09	77.94
22 45 33		**Combination Emergency Fixture Units** *(22 45)*		
22 45 33 00-0001		Emergency Shower With Eye/Face Wash *(22 45 33)*		
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,442.31	405.27
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	3,026.86	405.27
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,126.68	405.27
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,349.68	405.27
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,474.34	405.27
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,331.55	405.27
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	2,002.52	405.27
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,237.94	405.27
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,542.14	405.27
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,610.42	405.27
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	4,026.37	405.27
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,268.49	405.27
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,200.20	405.27
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,248.88	405.27
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,584.12	405.27
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,847.62	405.27
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	2,002.52	405.27
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,257.05	405.27
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,856.39	405.27
22 45 33 00-0023		Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*		
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,563.04	338.52
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,730.61	338.52
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	3,007.95	338.52
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,747.24	338.52
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,563.98	338.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	795.31	77.94
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,161.59	77.94
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,701.69	77.94
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	2,005.89	77.94
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,837.78	77.94
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,992.98	77.94
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,023.04	77.94
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,034.96	77.94
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	888.43	77.94

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	205.08	24.94
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	285.79	24.94
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	298.20	24.94
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	329.12	9.35
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	335.29	6.24
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	366.39	12.47
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	652.67	93.53
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	665.03	40.73
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	987.86	40.73
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,161.59	93.53
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,198.44	40.73
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,444.39	135.78
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,494.06	135.78
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,617.24	135.78
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,776.68	135.78

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,164.19	93.53

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	217.08	20.31

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,510.24	311.76
		For Angled Toilet, Add	*31.18*	
		For Offset Toilet, Add	*219.85*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,996.24	311.76
		For Angled Toilet, Add	*31.18*	
		For Offset Toilet, Add	*268.45*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,038.82	311.76
		For Angled Toilet, Add	*31.18*	
		For Offset Toilet, Add	*272.71*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	299.35	62.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 16		**Security Urinals** *(22 46 13)*		
22 46 13 16-0001		Security Urinals *(22 46 13 16)*		
22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,914.81	280.57
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,898.23	398.67
22 46 13 19		**Security Combination Toilet and Lavatory** *(22 46 13)*		
22 46 13 19-0001		Security Combination Toilet - Lavatory *(22 46 13 19)*		
22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,440.91	386.57
		For Angled Toilet, Add	*38.66*	
		For Offset Toilet, Add	*405.43*	
		For 15" Mirror/Shelf Module, Add	*936.58*	
		For AC Duplex Outlet Option, Add	*107.32*	
		For Intercom Option, Add	*152.32*	
		For 15" Wide Light/Ventilation Module, Add	*866.95*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,579.63	405.27
		For Angled Toilet, Add	*40.53*	
		For Offset Toilet, Add	*417.44*	
		For 18" Mirror/Shelf Module, Add	*980.28*	
		For AC Duplex Outlet Option, Add	*111.06*	
		For Intercom Option, Add	*156.06*	
		For 18" Wide Light/Ventilation Module, Add	*893.17*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,687.52	423.98
		For Angled Toilet, Add	*42.40*	
		For Offset Toilet, Add	*426.35*	
		For 20" Mirror/Shelf Module, Add	*1,033.99*	
		For AC Duplex Outlet Option, Add	*114.80*	
		For Intercom Option, Add	*159.80*	
		For 20" Wide Light/Ventilation Module, Add	*929.39*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	5,009.76	442.69
		For Angled Toilet, Add	*44.27*	
		For Offset Toilet, Add	*456.71*	
		For 26" Mirror/Shelf Module, Add	*1,077.69*	
		For AC Duplex Outlet Option, Add	*118.54*	
		For Intercom Option, Add	*163.54*	
		For 26" Wide Light/Ventilation Module, Add	*960.61*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,920.59	461.39
		For Angled Toilet, Add	*46.14*	
		For Offset Toilet, Add	*745.92*	
		For 28" Mirror/Shelf Module, Add	*1,116.39*	
		For AC Duplex Outlet Option, Add	*122.28*	
		For Intercom Option, Add	*167.28*	
		For 28" Wide Light/Ventilation Module, Add	*991.83*	
22 46 16		**Security Lavatories and Sinks** *(22 46)*		
22 46 16 13		**Security Lavatories** *(22 46 16)*		
22 46 16 13-0001		Security Lavatories *(22 46 16 13)*		
22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,805.29	218.23
		For Shelf, Add	*100.47*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,833.48	218.23
		For Shelf, Add	*100.47*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,071.53	218.23
		For Shelf, Add	*100.47*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,833.48	218.23
		For Shelf, Add	*100.47*	
22 46 16 16		**Security Sinks** *(22 46 16)*		
22 46 16 16-0001		Security Sinks *(22 46 16 16)*		
22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,800.18	332.33
22 46 16 16-0003		Security Mop Sink *(22 46 16 16)*		
22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,362.22	187.06
22 46 19		**Security Showers** *(22 46)*		
22 46 19 00-0001	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	705.34	166.47
22 46 19 00-0002	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	492.51	87.29
22 46 19 00-0003	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,688.20	498.80
22 46 19 00-0004	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	10,028.84	498.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 19 00-0005	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	10,379.42	498.80
22 46 19 00-0006	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,124.41	498.80
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,018.38	130.94
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,215.66	130.94
		For PWT Electronic FV, Add	*148.00*	

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,042.14	249.40
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,055.74	249.40

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,538.58	202.64
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,727.45	218.23
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,370.74	202.64
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	4,027.15	218.23
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,674.99	202.64
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	2,012.40	218.23
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,905.21	202.64
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,323.58	218.23

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,720.62	218.23
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,684.94	218.23
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,401.75	280.57
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	4,340.65	280.57
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,725.14	280.57
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	3,385.94	280.57
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,834.92	218.23
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,703.03	218.23
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	3,541.82	218.23
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	3,395.27	218.23
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	3,087.52	218.23
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,955.63	218.23
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,809.08	218.23
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,809.08	218.23
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,677.19	218.23
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,677.19	218.23
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,618.57	218.23
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,618.57	218.23
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,486.67	218.23
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,413.40	218.23
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	2,310.82	218.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	2,266.85	218.23
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	2,120.30	218.23
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,413.40	218.23
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	2,120.30	218.23
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	2,249.47	218.23
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	2,252.20	218.23
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,863.71	155.87
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,394.75	155.87
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,334.48	233.82
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,113.09	233.82
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,497.28	249.40
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,628.99	249.40
22 47 13 00-0047		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,016.44	155.87
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	976.31	155.87
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,196.23	155.87
22 47 13 00-0051		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	849.50	155.87
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,035.92	155.87
22 47 13 00-0054		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,813.58	249.40
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,078.42	249.40
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,587.08	249.40
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,853.67	249.40
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,877.79	249.40
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,209.55	318.14
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,764.15	249.40
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,662.70	249.40
22 47 13 00-0063		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0064		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,167.95	249.40
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,385.92	249.40
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,291.28	249.40
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,406.91	249.40
22 47 13 00-0069	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM) Note: For use with remote chillers	1,901.10	249.40
22 47 13 00-0070		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0071	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,210.30	233.82
22 47 13 00-0072	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,949.72	233.82
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,204.52	233.82
22 47 13 00-0074	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,838.62	233.82
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,294.95	249.40
22 47 13 00-0076	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,411.10	249.40
22 47 13 00-0077	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,328.92	233.82
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,084.11	233.82
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,823.53	233.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,864.24	249.40
22 47 13 00-0081	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,671.98	249.40

22 47 16 Pressure Water Coolers *(22 47)*

22 47 16 00-0001 Indoor Water Coolers *(22 47 16)*

22 47 16 00-0002 Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,836.59	249.40
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,170.71	249.40

22 47 16 00-0005 Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,248.26	249.40
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,334.30	249.40
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,603.88	249.40
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,707.13	249.40
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,978.67	249.40
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,308.48	249.40
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,793.68	249.40
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,750.62	249.40
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	3,025.36	374.10

22 47 16 00-0015 Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,701.14	249.40

22 47 16 00-0017 Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,331.96	280.57
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,538.88	280.57
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,673.76	280.57

22 47 16 00-0021 Free Standing Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,175.87	218.23
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,343.64	218.23
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,672.03	218.23
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,983.20	218.23

22 47 16 00-0026 Bottled Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	733.10	124.70
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	887.20	124.70

22 47 16 00-0029 Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,368.36	374.10
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,334.45	374.10
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,293.52	374.10

22 47 16 00-0033 Outdoor Water Coolers *(22 47 16)*

22 47 16 00-0034 Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*

22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,374.45	155.87
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,131.89	155.87

22 47 16 00-0037 Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*

22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,927.81	233.82
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,730.84	233.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	605.76	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	135.41	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,981.72	249.40
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,272.40	249.40
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,354.07	280.57
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,117.99	280.57
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,881.91	280.57
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,370.02	84.17
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,097.11	93.53
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,789.86	109.11
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,310.03	124.70
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,622.09	187.06
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,927.10	202.64
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	629.36	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*377.63*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	731.15	47.38
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*377.63*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	301.55	28.05

22 51 16 Swimming Pool Pumps *(22 51)*

22 51 16 00-0001		Variable Speed Pool Pumps *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	3,034.90	529.98
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,315.17	529.98
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,691.35	529.98
22 51 16 00-0005		Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)* Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	405.88	62.36
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	678.72	62.36
22 51 16 00-0008		Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,492.58	62.36

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001		Condensing Pool Water Heater *(22 51 19)*		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	42,829.51	893.69
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	46,677.38	1,072.43
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	51,184.26	1,161.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	62,847.13	1,251.17
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	65,196.68	1,340.54
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	98,752.06	1,608.65
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	126,481.18	1,698.02
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	131,593.40	1,832.07
22 51 19 00-0010		**Non-Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	23,182.43	1,161.81
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	24,709.18	1,251.17
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	26,914.91	1,340.54
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	35,538.90	1,608.65
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	41,152.87	1,698.02
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	43,935.51	1,832.07
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	43,550.76	1,921.44
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	56,354.22	1,966.12
22 51 19 00-0019		**Swimming Pool Heaters** *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		**Electric Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,584.41	249.40
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	5,120.24	268.11
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,692.89	311.76
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	6,039.04	374.10
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,676.16	523.75
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,694.84	748.20
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	6,812.74	1,169.97
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	7,737.55	1,337.11
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	8,743.73	1,504.24
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	10,051.21	1,838.52
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	10,347.69	1,940.39
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	12,110.76	2,371.50
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	19,159.90	2,736.34
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	22,235.00	3,009.97
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	25,085.75	3,283.60
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	32,201.30	3,876.48
22 51 19 00-0038		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	21,646.01	955.95
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	24,270.05	955.95
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	29,287.18	1,218.60
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	38,789.53	1,966.70
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	16,738.16	3,496.30
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	19,967.45	4,195.56
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,173.98	423.15
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	3,180.28	564.24
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	294.23	124.70
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	521.17	187.06
22 51 19 00-0052		**Swimming Pool Chlorinators** *(22 51 19)*		
22 51 19 00-0053	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,233.24	178.32
22 51 19 00-0054		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0055		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)*		
		Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,619.28	388.82
22 51 19 00-0057	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,570.38	388.82
22 51 19 00-0058	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,385.63	388.82
22 51 19 00-0059	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,967.32	411.80
22 51 19 00-0060	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,371.32	411.80
22 51 19 00-0061	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	23,039.83	411.80
22 51 19 00-0062	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	27,204.92	739.82
22 51 19 00-0063	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	40,331.38	739.82
22 51 19 00-0064	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	44,274.97	739.82
22 51 19 00-0065	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	47,482.10	887.55
22 51 19 00-0066	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,994.84	887.55
22 51 19 00-0067	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	53,447.16	887.55
22 51 19 00-0068	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	56,098.30	887.55
22 51 19 00-0069	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	60,257.55	1,008.84
22 51 19 00-0070	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	64,897.06	1,008.84
22 51 19 00-0071	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	69,536.55	1,008.84
22 51 19 00-0072	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	75,170.22	1,008.84
22 51 19 00-0073		**HDPE Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)*		
		Note: Delta EL Series		
22 51 19 00-0074	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,284.79	388.82
22 51 19 00-0075	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,212.66	388.82
22 51 19 00-0076	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	10,175.20	411.80
22 51 19 00-0077		**In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)*		
		Note: Delta EM Series		
22 51 19 00-0078	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,145.04	388.82
22 51 19 00-0079	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,476.40	388.82
22 51 19 00-0080	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,677.85	739.82
22 51 19 00-0081	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,917.05	739.82
22 51 19 00-0082	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	61,268.02	887.55
22 51 19 00-0083	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	69,138.88	1,008.84
22 51 19 00-0084	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	81,519.39	1,305.49
22 51 19 00-0085	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	91,461.14	1,305.49
22 51 23		**Swimming Pool Equipment Controls** *(22 51)*		
22 51 23 00-0001		**Pool Pump Variable Frequency Drive** *(22 51 23)*		
		Note: Pentair Acu Drive XS		
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,982.10	260.69
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,349.90	293.27
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,408.37	366.59
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,816.99	437.46
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	7,298.02	509.15
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	8,271.54	581.65
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,988.37	260.69
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,260.03	293.27
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,672.73	366.59
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	6,102.24	437.46
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	7,195.62	509.15
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,993.58	581.65
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,432.49	260.69
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,395.91	293.27
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	8,222.41	366.59
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,867.18	437.46
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	10,439.14	509.15
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,770.03	581.65
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,906.90	260.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	7,183.16	293.27
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,589.17	366.59
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	8,020.77	437.46
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	9,153.85	509.15
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	10,016.61	581.65
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,741.43	260.69
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,820.22	260.69
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,868.89	260.69
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	5,000.03	260.69
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	5,198.14	260.69
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,351.81	260.69
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,730.05	293.27
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,832.37	366.59
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	7,310.14	437.46
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,805.89	509.15
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,869.06	581.65
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	11,647.82	725.03
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,857.91	798.36
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	15,206.15	871.68
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	17,692.78	1,018.31
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	19,380.67	1,091.63
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,839.61	260.69
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,941.37	260.69
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	5,069.40	260.69
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	5,179.45	260.69
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	5,291.60	260.69
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,409.95	260.69
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,690.59	293.27
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	6,107.66	366.59
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,547.64	437.46
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,956.65	509.15
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,773.12	581.65
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,672.17	725.03
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,939.41	798.36
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	12,349.59	871.68
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	15,132.84	1,018.31
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	16,624.79	1,091.63
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	18,640.70	1,164.95
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	22,081.62	1,234.19
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	25,462.38	1,303.44
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	27,618.64	1,458.22
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	32,239.56	1,596.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,841.90	260.69
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,920.69	260.69
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,969.37	260.69
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	7,100.51	260.69
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	7,298.61	260.69
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,452.28	260.69
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,830.53	293.27
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,695.06	366.59
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	9,415.70	437.46
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	11,029.75	509.15
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	12,465.09	581.65
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	14,674.28	725.03
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	16,155.40	798.36
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	20,635.17	871.68
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	27,206.05	1,018.31
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	29,899.54	1,091.63
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,812.10	260.69
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,913.84	260.69
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	7,041.89	260.69
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	7,151.94	260.69
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	7,264.06	260.69
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,382.44	260.69
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,663.08	293.27
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	8,078.01	366.59
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,518.00	437.46
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,969.79	509.15
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,852.46	581.65
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,892.46	725.03
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	13,402.81	798.36
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	15,870.03	871.68
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	18,261.57	1,018.31
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	20,330.11	1,091.63
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	23,605.92	1,164.95
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	31,125.10	1,234.19
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	34,431.27	1,303.44
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	43,254.06	1,458.22
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	50,821.96	1,596.71
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	466.63	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	744.63	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	824.05	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,399.90	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,670.72	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,673.13	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,749.41	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,909.25	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	2,047.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,393.35	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,465.02	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,617.51	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,751.87	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,289.12	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,302.66	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,201.95	217.24
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,205.96	217.24
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,281.68	244.40
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,448.03	305.49
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,813.66	364.56
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,358.58	424.29
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,314.26	484.72
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,581.40	606.91
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,867.53	667.34
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	8,116.79	727.07
		For Bypass Panel, Add	*1,380.31*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,179.21	217.24
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,184.56	217.24
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,209.98	217.24
		For Bypass Panel, Add	*961.90*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,303.09	244.40
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,678.15	305.49
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,217.70	364.56
		For Bypass Panel, Add	*1,134.98*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	6,181.38	424.29
		For Bypass Panel, Add	*1,380.31*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,327.64	484.72
		For Bypass Panel, Add	*1,380.31*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,727.97	606.91
		For Bypass Panel, Add	*1,871.81*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,979.91	667.34
		For Bypass Panel, Add	*2,574.70*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	583.51	101.83
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	583.51	101.83
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	614.74	67.89
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	687.22	30.55
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	710.07	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	727.56	37.34
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	759.78	40.73
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	774.58	44.13
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	1,010.15	47.52
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,053.06	50.91
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,099.99	54.31
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,145.57	57.71
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,185.81	61.09
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,628.74	64.49
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	211.04	33.94
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	225.85	37.34
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	252.72	40.73
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	331.74	44.13
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	371.98	47.52
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	385.46	50.91
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	398.94	54.31
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	423.11	57.71
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	534.27	61.09
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	549.07	64.49
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	212.38	33.94
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	233.88	37.34
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	256.73	40.73
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	270.20	44.13
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	282.34	47.52
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	353.35	50.91
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	368.17	54.31
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	386.99	57.71
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	400.48	61.09
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	482.18	64.49
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	525.10	67.89
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	85.94	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	116.73	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	144.85	

22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	154.77	24.94
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	154.77	24.94
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	242.30	46.76
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	204.65	49.88

22 51 23 00-0181 Paddlewheel Flow Sensors *(22 51 23)*

22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	1,030.29	78.41
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,363.43	78.41
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,363.43	78.41
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,415.60	78.41
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,471.79	78.41
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,578.16	78.41
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,578.16	78.41
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,644.38	78.41
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,708.60	78.41
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) Note: Includes 25' of cable (extendable to 200').	1,076.45	78.41
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,415.60	78.41
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,415.60	78.41
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,471.79	78.41
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,523.97	78.41
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) Note: Includes 25' of cable (extendable to 200').	1,118.59	78.41
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	344.92	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	476.86	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	586.72	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	720.67	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	952.95	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	966.49	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	341.41	21.72
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	467.84	21.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	576.21	21.72
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	728.73	21.72
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	1,009.68	21.72

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2377 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.51	7.11
		For Schedule 80, Add	*2.50*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.14*	
		For Work In Restricted Working Space, Add	*3.21*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.56	7.98
		For Schedule 80, Add	*3.39*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.90*	
		For Work In Restricted Working Space, Add	*3.62*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	29.19	11.60
		For Schedule 80, Add	*6.11*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.23*	
		For Work In Restricted Working Space, Add	*5.23*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	39.36	15.09
		For Schedule 80, Add	*8.68*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.43*	
		For Work In Restricted Working Space, Add	*6.80*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	63.33	22.20
		For Schedule 80, Add	*15.64*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.39*	
		For Work In Restricted Working Space, Add	*9.98*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	59.65	26.81
		For Work In Restricted Working Space, Add	*12.07*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	77.18	35.41
		For Work In Restricted Working Space, Add	*15.92*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	101.77	40.53
		For Work In Restricted Working Space, Add	*18.25*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	145.63	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	278.93	79.18
		For Work In Restricted Working Space, Add	*35.63*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	59.31	26.81
		For Work In Restricted Working Space, Add	*12.07*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	76.31	35.41
		For Work In Restricted Working Space, Add	*15.92*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	103.44	40.53
		For Work In Restricted Working Space, Add	*18.25*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	128.79	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	252.83	79.18
		For Work In Restricted Working Space, Add	*35.63*	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	110.11	57.36
		For Work In Restricted Working Space, Add	*25.80*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	137.33	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	176.57	79.18
		For Work In Restricted Working Space, Add	*35.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	242.42	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	421.53	166.35
		For Work In Restricted Working Space, Add	*74.82*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	137.29	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	172.53	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	168.95	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	233.22	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	236.69	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	395.92	166.35
		For Work In Restricted Working Space, Add	*74.82*	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	121.89	57.36
		For Work In Restricted Working Space, Add	*25.80*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	140.18	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	185.28	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	246.44	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	371.86	166.35
		For Work In Restricted Working Space, Add	*74.82*	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	116.72	57.36
		For Work In Restricted Working Space, Add	*25.80*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	143.45	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	180.22	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	245.45	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	476.80	166.35
		For Work In Restricted Working Space, Add	*74.82*	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	151.54	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	176.06	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	176.06	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	241.86	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	241.86	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	429.19	166.35
		For Work In Restricted Working Space, Add	*74.82*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	431.98	166.35
		For Work In Restricted Working Space, Add	*74.82*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	397.09	166.35
		For Work In Restricted Working Space, Add	*74.82*	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	145.30	71.70
		For Work In Restricted Working Space, Add	*32.25*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	180.83	90.41
		For Work In Restricted Working Space, Add	*40.66*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	239.06	99.01
		For Work In Restricted Working Space, Add	*44.54*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	330.53	129.94
		For Work In Restricted Working Space, Add	*58.46*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	581.60	207.87
		For Work In Restricted Working Space, Add	*93.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0061		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	107.96	57.36
		For Work In Restricted Working Space, Add	*25.80*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	140.52	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	159.82	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	219.71	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	130.98	72.33
		For Work In Restricted Working Space, Add	*32.53*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	155.98	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	157.52	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	214.00	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	214.98	104.00
		For Work In Restricted Working Space, Add	*46.76*	
22 66 53 00-0071		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	127.31	66.60
		For Work In Restricted Working Space, Add	*29.93*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	169.16	87.54
		For Work In Restricted Working Space, Add	*39.38*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	252.69	118.84
		For Work In Restricted Working Space, Add	*53.44*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	352.00	151.26
		For Work In Restricted Working Space, Add	*68.02*	
22 66 53 00-0076		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	58.73	26.81
		For Work In Restricted Working Space, Add	*12.07*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	72.35	35.41
		For Work In Restricted Working Space, Add	*15.92*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	84.69	40.53
		For Work In Restricted Working Space, Add	*18.25*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	114.85	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	170.27	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0082		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	56.41	26.81
		For Work In Restricted Working Space, Add	*12.07*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	74.10	35.41
		For Work In Restricted Working Space, Add	*15.92*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	87.91	40.53
		For Work In Restricted Working Space, Add	*18.25*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	118.01	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0087		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings** *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	53.53	26.81
		For Work In Restricted Working Space, Add	*12.07*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	68.92	35.41
		For Work In Restricted Working Space, Add	*15.92*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	80.07	40.53
		For Work In Restricted Working Space, Add	*18.25*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	105.90	53.62
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	155.75	79.18
		For Work In Restricted Working Space, Add	*35.63*	
22 66 53 00-0093		**Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
22 66 53 00-0094		**Glass Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	31.02	6.85
		For Work In Restricted Working Space, Add	*4.12*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	38.52	7.48
		For Work In Restricted Working Space, Add	*4.49*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	53.38	10.48
		For Work In Restricted Working Space, Add	*6.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	86.05	13.59
		For Work In Restricted Working Space, Add	*8.17*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	142.60	18.58
		For Work In Restricted Working Space, Add	*11.13*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	97.79	30.55
		For Work In Restricted Working Space, Add	*18.29*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	111.18	32.42
		For Work In Restricted Working Space, Add	*19.42*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	150.10	36.79
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	219.44	48.64
		For Work In Restricted Working Space, Add	*29.18*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	507.05	67.34
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	98.04	30.68
		For Work In Restricted Working Space, Add	*18.37*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	110.67	32.05
		For Work In Restricted Working Space, Add	*19.26*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	149.85	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	219.45	48.64
		For Work In Restricted Working Space, Add	*29.18*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	507.03	67.34
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	99.04	30.68
		For Work In Restricted Working Space, Add	*18.37*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	111.88	32.05
		For Work In Restricted Working Space, Add	*19.26*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	151.96	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	219.45	48.64
		For Work In Restricted Working Space, Add	*29.18*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	99.04	30.68
		For Work In Restricted Working Space, Add	*18.37*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	111.88	32.05
		For Work In Restricted Working Space, Add	*19.26*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	151.96	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	219.45	48.64
		For Work In Restricted Working Space, Add	*29.18*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	113.39	30.68
		For Work In Restricted Working Space, Add	*18.37*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	132.49	32.05
		For Work In Restricted Working Space, Add	*19.26*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	157.62	45.89
		For Work In Restricted Working Space, Add	*27.56*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	194.57	47.51
		For Work In Restricted Working Space, Add	*28.51*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	182.61	48.13
		For Work In Restricted Working Space, Add	*28.90*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	243.74	55.00
		For Work In Restricted Working Space, Add	*33.00*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	395.97	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	603.48	101.01
		For Work In Restricted Working Space, Add	*60.62*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	151.61	46.14
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	155.35	48.01
		For Work In Restricted Working Space, Add	*28.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	198.23	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	304.68	72.95
		For Work In Restricted Working Space, Add	*43.77*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	627.39	101.01
		For Work In Restricted Working Space, Add	*60.61*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	154.10	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	181.74	51.75
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	192.38	53.00
		For Work In Restricted Working Space, Add	*31.80*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	246.81	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	257.80	64.85
		For Work In Restricted Working Space, Add	*38.91*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	270.29	66.72
		For Work In Restricted Working Space, Add	*40.03*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	465.67	83.55
		For Work In Restricted Working Space, Add	*50.13*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	500.57	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	514.75	91.65
		For Work In Restricted Working Space, Add	*54.99*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	213.23	61.10
		For Work In Restricted Working Space, Add	*36.67*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	219.44	64.22
		For Work In Restricted Working Space, Add	*38.53*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	280.88	73.57
		For Work In Restricted Working Space, Add	*44.14*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	450.84	97.26
		For Work In Restricted Working Space, Add	*58.35*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	792.09	134.67
		For Work In Restricted Working Space, Add	*80.81*	
22 66 53 00-0154		**Glass Acid Resistant DWV Reducing Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	216.94	62.97
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	248.81	67.34
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	262.07	68.58
		For Work In Restricted Working Space, Add	*41.15*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	374.88	79.18
		For Work In Restricted Working Space, Add	*47.51*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	372.17	81.05
		For Work In Restricted Working Space, Add	*48.63*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	398.94	85.42
		For Work In Restricted Working Space, Add	*51.26*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	524.59	99.76
		For Work In Restricted Working Space, Add	*59.84*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	569.06	104.13
		For Work In Restricted Working Space, Add	*62.47*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	643.90	115.97
		For Work In Restricted Working Space, Add	*69.57*	
22 66 53 00-0164		**Glass Acid Resistant DWV Tees** *(22 66 53 00-0093)*		
22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	165.70	46.14
		For Work In Restricted Working Space, Add	*27.69*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	169.42	48.01
		For Work In Restricted Working Space, Add	*28.80*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	215.72	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	332.12	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	660.30	101.01
		For Work In Restricted Working Space, Add	*60.62*	
22 66 53 00-0170		**Glass Acid Resistant DWV Reducing Tees** *(22 66 53 00-0093)*		
22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	168.17	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	196.42	51.75
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	201.04	53.00
		For Work In Restricted Working Space, Add	*31.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	250.04	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	256.28	64.85
		For Work In Restricted Working Space, Add	*38.90*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	303.30	66.72
		For Work In Restricted Working Space, Add	*40.04*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	560.89	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	585.32	91.65
		For Work In Restricted Working Space, Add	*54.98*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	189.83	46.14
		For Work In Restricted Working Space, Add	*27.69*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	210.35	48.01
		For Work In Restricted Working Space, Add	*28.80*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	267.31	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	449.67	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	660.30	101.01
		For Work In Restricted Working Space, Add	*60.62*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	154.64	46.14
		For Work In Restricted Working Space, Add	*27.69*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	158.36	48.01
		For Work In Restricted Working Space, Add	*28.80*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	210.29	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	318.14	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	618.17	101.01
		For Work In Restricted Working Space, Add	*60.62*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	157.11	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	187.97	51.75
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	193.09	53.00
		For Work In Restricted Working Space, Add	*31.80*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	258.89	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	261.31	64.85
		For Work In Restricted Working Space, Add	*38.90*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	282.18	66.72
		For Work In Restricted Working Space, Add	*40.04*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	452.56	83.55
		For Work In Restricted Working Space, Add	*50.12*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	519.06	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	563.60	91.65
		For Work In Restricted Working Space, Add	*54.98*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	243.59	61.10
		For Work In Restricted Working Space, Add	*36.66*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	249.84	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	328.03	73.57
		For Work In Restricted Working Space, Add	*44.14*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	498.97	97.26
		For Work In Restricted Working Space, Add	*58.34*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	818.14	134.67
		For Work In Restricted Working Space, Add	*80.84*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	247.29	62.97
		For Work In Restricted Working Space, Add	*37.77*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	256.04	67.34
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	291.52	68.58
		For Work In Restricted Working Space, Add	*41.15*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	356.01	79.18
		For Work In Restricted Working Space, Add	*47.52*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	374.60	81.05
		For Work In Restricted Working Space, Add	*48.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	435.79	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	658.45	99.76
		For Work In Restricted Working Space, Add	*59.84*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	690.85	104.13
		For Work In Restricted Working Space, Add	*62.48*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	740.79	115.97
		For Work In Restricted Working Space, Add	*69.59*	
22 66 53 00-0217		Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	170.56	46.14
		For Work In Restricted Working Space, Add	*27.69*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	174.95	48.01
		For Work In Restricted Working Space, Add	*28.80*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	220.14	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	323.27	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	603.79	101.01
		For Work In Restricted Working Space, Add	*60.62*	
22 66 53 00-0223		Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	173.70	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	190.48	51.75
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	203.15	53.00
		For Work In Restricted Working Space, Add	*31.80*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	252.85	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	262.62	64.85
		For Work In Restricted Working Space, Add	*38.90*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	283.69	66.72
		For Work In Restricted Working Space, Add	*40.04*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	453.46	83.55
		For Work In Restricted Working Space, Add	*50.12*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	510.31	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	523.37	91.65
		For Work In Restricted Working Space, Add	*54.98*	
22 66 53 00-0233		Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	228.50	61.10
		For Work In Restricted Working Space, Add	*36.66*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	262.51	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	347.13	73.57
		For Work In Restricted Working Space, Add	*44.14*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	543.42	97.26
		For Work In Restricted Working Space, Add	*58.34*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	889.09	134.67
		For Work In Restricted Working Space, Add	*80.84*	
22 66 53 00-0239		Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	234.51	62.97
		For Work In Restricted Working Space, Add	*37.77*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	291.63	67.34
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	288.30	68.58
		For Work In Restricted Working Space, Add	*41.15*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	380.75	79.18
		For Work In Restricted Working Space, Add	*47.52*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	378.52	81.05
		For Work In Restricted Working Space, Add	*48.64*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	421.82	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	593.65	99.76
		For Work In Restricted Working Space, Add	*59.84*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	631.51	104.13
		For Work In Restricted Working Space, Add	*62.48*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	733.75	115.97
		For Work In Restricted Working Space, Add	*69.59*	
22 66 53 00-0249		Glass Acid Resistant DWV Partition Compact Crosses *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	254.63	62.97
		For Work In Restricted Working Space, Add	*37.77*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross	257.18	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	272.12	62.36
		For Work In Restricted Working Space, Add	*37.41*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	242.53	46.14
		For Work In Restricted Working Space, Add	*27.69*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	265.86	48.01
		For Work In Restricted Working Space, Add	*28.80*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	305.72	54.87
		For Work In Restricted Working Space, Add	*32.92*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	444.94	72.95
		For Work In Restricted Working Space, Add	*43.76*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	818.18	101.01
		For Work In Restricted Working Space, Add	*60.62*	
22 66 53 00-0259		**Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	244.39	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	277.87	51.75
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	294.96	53.00
		For Work In Restricted Working Space, Add	*31.80*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	343.36	64.22
		For Work In Restricted Working Space, Add	*38.54*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	361.97	64.85
		For Work In Restricted Working Space, Add	*38.90*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	395.51	66.72
		For Work In Restricted Working Space, Add	*40.04*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	565.01	85.42
		For Work In Restricted Working Space, Add	*51.25*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	641.03	91.65
		For Work In Restricted Working Space, Add	*54.98*	
22 66 53 00-0268		**Glass Acid Resistant DWV Reducers Or Increasers** *(22 66 53 00-0093)*		
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	94.54	31.17
		For Eccentric Reducers Or Increasers, Add	*2.57*	
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	115.11	33.67
		For Eccentric Reducers Or Increasers, Add	*3.82*	
		For Work In Restricted Working Space, Add	*20.20*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	122.08	34.29
		For Eccentric Reducers Or Increasers, Add	*4.28*	
		For Work In Restricted Working Space, Add	*20.57*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	154.53	39.90
		For Eccentric Reducers Or Increasers, Add	*5.98*	
		For Work In Restricted Working Space, Add	*23.94*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	160.39	40.53
		For Eccentric Reducers Or Increasers, Add	*6.35*	
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	170.58	42.40
		For Eccentric Reducers Or Increasers, Add	*6.86*	
		For Work In Restricted Working Space, Add	*25.44*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	315.72	49.25
		For Eccentric Reducers Or Increasers, Add	*17.38*	
		For Work In Restricted Working Space, Add	*29.55*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	330.75	49.88
		For Eccentric Reducers Or Increasers, Add	*18.48*	
		For Work In Restricted Working Space, Add	*29.93*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	350.27	51.75
		For Eccentric Reducers Or Increasers, Add	*19.74*	
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	369.88	57.98
		For Eccentric Reducers Or Increasers, Add	*20.31*	
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0279		**Glass Acid Resistant DWV Swivel P-Traps** *(22 66 53 00-0093)*		
22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	205.51	46.14
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	218.76	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	242.64	48.01
		For Work In Restricted Working Space, Add	*28.81*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	220.19	46.14
		For Work In Restricted Working Space, Add	*27.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	237.46	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	263.75	48.01
		For Work In Restricted Working Space, Add	*28.81*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	224.21	46.14
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	237.46	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	263.75	48.01
		For Work In Restricted Working Space, Add	*28.81*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	269.87	46.14
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	333.10	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	342.39	48.01
		For Work In Restricted Working Space, Add	*28.81*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	294.30	46.14
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	311.07	47.38
		For Work In Restricted Working Space, Add	*28.43*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	347.12	48.01
		For Work In Restricted Working Space, Add	*28.81*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	46.15	15.59
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	51.32	16.21
		For Work In Restricted Working Space, Add	*9.73*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	63.21	18.08
		For Work In Restricted Working Space, Add	*10.85*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	97.31	24.32
		For Work In Restricted Working Space, Add	*14.59*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	138.44	33.67
		For Work In Restricted Working Space, Add	*20.20*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	551.70	61.10
		For Work In Restricted Working Space, Add	*36.66*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	59.03	15.59
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	64.35	15.59
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	95.34	31.17
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	174.96	32.42
		For Work In Restricted Working Space, Add	*19.46*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	176.97	32.42
		For Work In Restricted Working Space, Add	*19.46*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	197.09	32.42
		For Work In Restricted Working Space, Add	*19.46*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	164.10	32.42
		For Work In Restricted Working Space, Add	*19.46*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	166.63	46.01
		For Work In Restricted Working Space, Add	*27.60*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	174.05	48.26
		For Work In Restricted Working Space, Add	*28.96*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	233.69	55.00
		For Work In Restricted Working Space, Add	*33.00*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	330.14	73.08
		For Work In Restricted Working Space, Add	*43.81*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	25.24	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.84	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	42.57	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	71.73	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	167.10	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0322		**Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	32.55	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	40.73	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	69.15	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	103.07	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	251.32	
22 66 53 00-0328		**Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0328)*		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	122.50	11.09
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	172.38	13.84
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	234.53	15.96
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	384.54	22.18
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	678.58	29.73
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,200.12	37.49
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,140.05	50.50
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,811.81	57.90
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	490.16	94.53
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	640.49	104.00
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,039.78	124.45
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,545.34	146.48
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,551.46	238.89
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	285.89	94.53
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	372.15	104.00
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	467.04	124.45
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,228.94	146.48
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,789.28	238.89
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,236.57	297.63
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	6,221.99	357.91
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	285.89	94.53
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	372.15	104.00
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	467.04	124.45
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	900.51	146.48
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,364.74	238.89
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,456.16	297.63
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,900.90	357.91
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	285.89	94.53
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	372.15	104.00
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	466.74	124.33
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	390.03	94.53
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	688.55	104.00
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	771.43	124.45
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	404.33	141.41
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	507.37	156.75
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	705.19	187.18
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,171.12	220.14
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,585.62	358.63
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	5,090.93	447.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	379.50	135.55
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	442.51	145.53
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	494.18	150.63
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	565.81	166.35
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	605.80	171.59
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	665.34	176.70
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	826.96	190.49
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	917.77	195.39
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	1,027.36	204.38
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	460.32	141.41
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	554.81	156.38
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	757.21	187.18
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	435.53	135.55
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	543.30	151.39
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	654.58	172.09
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	702.17	177.20
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	400.57	141.66
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	551.43	156.75
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	704.97	187.06
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,177.86	219.32
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,490.23	358.27
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	411.50	135.55
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	442.45	145.53
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	467.47	151.51
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	521.75	166.35
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	542.02	171.83
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	650.10	177.20
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	870.72	190.72
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,033.92	195.39
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,079.42	204.38
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,640.21	289.03
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,850.76	298.58
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,486.36	313.86
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	476.27	141.41
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	566.83	156.38
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	837.31	187.18
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,282.42	219.55
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	395.48	135.55
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	458.47	145.53
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	507.25	151.39
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	549.78	166.35
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	634.55	172.09
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	718.12	177.07
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	922.71	190.72
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,150.17	195.51
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,260.15	204.73
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	245.59	89.04
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	269.07	94.02
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	300.60	99.01
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	481.01	109.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	504.53	114.85
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	543.74	122.21
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	705.91	131.55
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,025.55	179.20
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,092.39	194.36
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	656.20	207.87
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	864.47	207.87
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	883.16	207.87
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	989.27	272.54
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	726.46	94.53
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	876.79	104.00
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,067.81	124.45
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,139.39	146.48
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	361.99	94.53
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	456.25	104.00
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	627.24	124.45
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	803.72	146.48
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,564.08	204.38
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)* Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.	6.88	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	73.43	
22 66 53 00-0458		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* Note: ASTM A518.		
22 66 53 00-0459		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	97.18	8.36
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	110.58	9.23
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	152.50	11.60
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	192.33	13.47
22 66 53 00-0464		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0458)*		
22 66 53 00-0465		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	359.64	66.21
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	388.58	74.82
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	532.23	82.56
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	642.27	99.76
22 66 53 00-0470		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	203.44	66.21
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	243.23	74.08
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	312.38	82.80
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	408.85	99.01
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	237.06	69.96
22 66 53 00-0476		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	203.44	66.21
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	243.23	74.08
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	312.38	82.80
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	408.85	99.01
22 66 53 00-0481		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	239.49	66.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	299.30	74.08
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	460.57	82.80
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	516.99	99.01
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	231.48	66.21
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	275.27	74.08
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	424.53	82.80
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	480.95	99.01
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	349.64	99.64
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	285.56	99.64
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	352.50	112.23
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	463.87	125.07
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	701.07	149.77
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	330.15	107.99
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	402.84	116.47
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	429.05	120.58
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	459.75	133.06
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	505.53	136.79
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	547.78	140.91
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	286.06	100.01
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	336.48	112.23
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	447.85	125.07
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	701.07	149.77
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	318.96	108.61
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	390.81	116.34
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	409.56	120.96
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	460.35	133.43
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	506.66	137.54
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	536.30	141.29
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	427.96	133.18
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	545.05	149.89
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	697.18	165.86
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	907.74	199.39
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	471.85	141.03
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	528.35	149.39
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	628.91	157.62
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	694.23	174.58
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	835.66	183.43
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	475.94	133.18
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	560.78	149.64
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	802.73	166.73
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,120.32	199.64
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	511.84	141.03
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	668.48	149.39
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	704.92	157.62
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	754.24	174.46
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	958.85	182.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	317.12	99.26
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	368.52	112.23
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	447.85	125.07
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	745.13	149.77
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	350.27	108.12
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	391.29	116.72
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	425.58	120.96
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	576.50	133.43
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	590.76	137.54
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	660.46	141.29
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	503.71	132.93
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	632.76	149.51
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	909.97	166.23
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,092.93	200.02
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	547.88	141.03
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	656.44	149.27
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	684.90	157.62
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	762.25	174.46
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	958.85	182.69
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	238.11	70.70
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	268.37	74.82
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	315.11	87.29
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	372.65	82.93
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	394.89	87.04
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	417.12	91.16
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	219.45	58.24
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	254.93	65.84
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	299.97	74.57
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	544.67	90.78
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	97.72	33.17
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	115.61	37.04
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	126.15	41.40
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	162.38	49.50
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	399.12	65.84
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	411.45	74.08
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	508.63	82.80
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	649.16	99.01
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	554.69	70.83
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	763.41	79.06
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	923.85	87.29
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,149.13	104.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	741.49	75.20
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,170.05	83.17
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	773.08	74.82
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,170.05	83.17
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	688.97	74.82
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	809.59	83.17
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	797.11	74.82
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,750.80	83.17
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,041.89	83.17
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	288.00	66.60
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	376.57	74.82
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	146.91	49.88
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	269.29	54.12
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	197.66	62.36
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	274.66	70.96
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	300.41	74.82
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	334.68	78.93
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	358.84	87.04
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	334.74	79.06
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	352.93	83.17
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	381.07	91.16
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	431.32	87.29
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	532.35	104.00
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	96.12	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	112.14	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	120.15	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	132.17	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	710.73	33.29
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	269.25	16.59
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	501.55	16.59
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,548.35	166.35
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	3,145.57	174.71
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	2,115.61	16.59
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	14.38	5.24
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	18.24	6.24
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	29.48	8.97
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	37.35	9.73
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	58.64	11.68
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	127.99	15.53

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0635		Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings *(22 66 53 00-0627)*		
22 66 53 00-0636		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.125	56.39	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.16	71.22	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.215	106.82	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.25	147.00	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.325	300.08	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.438	414.40	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 66 53 00-0643		Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	57.26	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	75.46	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	114.47	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	149.80	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0648		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	55.95	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	70.08	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	109.01	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	125.14	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	264.40	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	373.49	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 66 53 00-0655		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends *(22 66 53 00-0635)*		
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	56.44	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	70.04	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	108.10	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	132.26	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	220.81	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	253.22	72.70
		For Work In Restricted Working Space, Add	*32.73*	
22 66 53 00-0662		Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends *(22 66 53 00-0635)*		
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	287.18	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	221.56	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	139.28	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0666		Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees *(22 66 53 00-0635)*		
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	78.08	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	97.37	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	155.53	53.62
		For Work In Restricted Working Space, Add	*24.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	206.01	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	496.50	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	686.11	108.99
		For Work In Restricted Working Space, Add	*49.10*	
22 66 53 00-0673		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	88.58	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	94.64	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	92.94	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	134.39	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	143.65	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	182.80	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	194.16	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	374.77	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	824.92	93.40
		For Work In Restricted Working Space, Add	*42.09*	
22 66 53 00-0683		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	109.56	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	135.47	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	181.68	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	224.04	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 66 53 00-0688		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	133.25	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	159.11	56.49
		For Work In Restricted Working Space, Add	*25.44*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	198.14	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	182.97	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	205.10	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0694		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers** *(22 66 53 00-0635)*		
22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	74.09	23.69
		For Work In Restricted Working Space, Add	*10.66*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	83.09	28.18
		For Work In Restricted Working Space, Add	*12.72*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	128.16	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	140.58	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	155.58	38.65
		For Work In Restricted Working Space, Add	*17.39*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	207.30	44.89
		For Work In Restricted Working Space, Add	*20.20*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	236.74	47.76
		For Work In Restricted Working Space, Add	*21.51*	
22 66 53 00-0702		**Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings** *(22 66 53 00-0635)*		
22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	56.54	23.69
		For Work In Restricted Working Space, Add	*10.66*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	64.60	28.18
		For Work In Restricted Working Space, Add	*12.72*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	70.96	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	104.85	34.04
		For Work In Restricted Working Space, Add	*15.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	112.94	38.65
		For Work In Restricted Working Space, Add	*17.39*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	168.17	44.89
		For Work In Restricted Working Space, Add	*20.20*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	167.86	47.76
		For Work In Restricted Working Space, Add	*21.51*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	435.29	57.12
		For Work In Restricted Working Space, Add	*25.74*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	459.75	63.34
		For Work In Restricted Working Space, Add	*28.54*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	95.94	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	128.46	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	204.99	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	314.91	62.36
		For Work In Restricted Working Space, Add	*28.06*	

22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0635)*

22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	78.69	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	104.64	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	160.28	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	209.90	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	417.01	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	485.23	108.99
		For Work In Restricted Working Space, Add	*49.10*	

22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0635)*

22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	86.04	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	100.28	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	137.95	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	147.99	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	151.82	51.88
		For Work In Restricted Working Space, Add	*23.38*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	189.41	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	200.87	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	304.07	74.69
		For Work In Restricted Working Space, Add	*33.67*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	363.76	93.40
		For Work In Restricted Working Space, Add	*42.09*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	398.35	99.64
		For Work In Restricted Working Space, Add	*44.89*	

22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	122.28	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	143.15	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	221.75	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	385.91	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	616.37	107.99
		For Work In Restricted Working Space, Add	*48.63*	

22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	166.13	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	210.48	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	347.36	77.19
		For Work In Restricted Working Space, Add	*34.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	505.00	95.52
		For Work In Restricted Working Space, Add	*43.02*	

22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	88.45	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	115.48	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	169.25	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	219.67	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	462.51	80.93
		For Work In Restricted Working Space, Add	*36.47*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	790.98	108.99
		For Work In Restricted Working Space, Add	*49.10*	

22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	85.81	34.04
		For Work In Restricted Working Space, Add	*15.34*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	105.58	36.91
		For Work In Restricted Working Space, Add	*16.65*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	143.09	46.14
		For Work In Restricted Working Space, Add	*20.76*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	153.59	49.01
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	193.11	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	205.42	59.36
		For Work In Restricted Working Space, Add	*26.75*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	365.92	71.82
		For Work In Restricted Working Space, Add	*32.36*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	380.23	74.69
		For Work In Restricted Working Space, Add	*33.67*	

22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	130.05	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	189.78	53.12
		For Work In Restricted Working Space, Add	*23.94*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	296.26	71.45
		For Work In Restricted Working Space, Add	*32.18*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	482.87	83.05
		For Work In Restricted Working Space, Add	*37.41*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	661.19	107.99
		For Work In Restricted Working Space, Add	*48.63*	

22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	166.14	47.38
		For Work In Restricted Working Space, Add	*21.32*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	251.98	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	300.68	68.09
		For Work In Restricted Working Space, Add	*30.68*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	314.40	77.19
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	393.83	89.66
		For Work In Restricted Working Space, Add	*40.40*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	439.16	95.52
		For Work In Restricted Working Space, Add	*43.02*	

22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0635)*

22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	84.07	31.17
		For Work In Restricted Working Space, Add	*14.03*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	101.06	39.90
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	166.85	53.62
		For Work In Restricted Working Space, Add	*24.13*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	211.21	62.36
		For Work In Restricted Working Space, Add	*28.06*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	439.39	80.93
		For Work In Restricted Working Space, Add	*36.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	21.23	10.35
		For Work In Restricted Working Space, Add	*4.68*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	26.12	13.21
		For Work In Restricted Working Space, Add	*5.99*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	37.59	17.83
		For Work In Restricted Working Space, Add	*8.04*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	43.25	20.70
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	68.72	26.93
		For Work In Restricted Working Space, Add	*12.16*	

22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug
(22 66 53 00-0635)

22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	47.48	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	59.13	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	89.11	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	123.40	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	186.64	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	319.38	72.70
		For Work In Restricted Working Space, Add	*32.77*	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0635)*

22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	50.87	20.83
		For Work In Restricted Working Space, Add	*9.35*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	64.49	26.56
		For Work In Restricted Working Space, Add	*11.97*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	85.08	35.66
		For Work In Restricted Working Space, Add	*16.09*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	107.13	41.53
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	152.01	54.00
		For Work In Restricted Working Space, Add	*24.32*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	300.59	72.70
		For Work In Restricted Working Space, Add	*32.77*	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*

22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	31.09	10.35
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	41.06	13.35
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	61.64	17.83
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	98.13	20.83
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	152.70	26.93

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*

22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	34.15	10.35
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	47.80	13.35
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	57.31	17.83
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	94.75	20.83
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	126.36	26.93

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*

22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	30.91	10.35
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	38.28	13.35
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	58.49	17.83
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	95.75	20.83
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	122.37	26.93
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	189.58	36.41

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	623.78	253.89
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,127.63	352.06
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,404.44	507.78
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,803.74	677.04
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,314.60	812.45
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,163.05	1,015.56
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,653.71	1,269.45
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,741.00	1,523.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,384.94	1,828.01
22 66 83 16-0012		**Polypropylene Acid Neutralization Tank** *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,023.13	253.89
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,759.93	352.06
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,851.33	507.78
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,757.92	677.04
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,754.63	812.45
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,316.68	1,015.56
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,797.84	1,269.45
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,484.92	1,523.34
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,178.77	1,828.01
22 66 83 16-0022		**Chemical Dilution Trap** *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	562.91	84.63
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	580.83	84.63
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	598.75	84.63
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	656.31	101.55

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	625.58
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	893.59
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	938.62
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,035.35
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,875.23
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	841.12
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,208.81
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,280.34
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,682.79
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,605.81
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	997.73
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,469.73
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,387.37
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,293.58
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,949.62

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	33.85
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	40.63
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	47.40
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	54.17
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	67.70
23 01 20 91-0007	EA	Lock Out Padlock	13.54
23 01 20 91-0008	EA	Lock Out Tags	5.14

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	406.16

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	730.47
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	411.32
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	881.09
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	475.13
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,197.25
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	539.12
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,364.40
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	631.03
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,972.83
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	729.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,974.40	
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	943.36	
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,287.54	
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,372.64	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,275.67	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,856.00	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,350.23	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,392.71	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.17	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2,000, Deduct	*-0.40*	
		For >2,000, Deduct	*-0.61*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.91	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 2,000, Deduct	*-0.54*	
		For >2,000, Deduct	*-0.82*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.42	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 2,000, Deduct	*-0.80*	
		For >2,000, Deduct	*-1.23*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.96	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 2,000, Deduct	*-1.07*	
		For >2,000, Deduct	*-1.64*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	7.23	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-1.96*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	9.09	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 2,000, Deduct	*-1.61*	
		For >2,000, Deduct	*-2.45*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	12.05	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 2,000, Deduct	*-2.14*	
		For >2,000, Deduct	*-3.27*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	14.47	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 2,000, Deduct	*-2.57*	
		For >2,000, Deduct	*-3.93*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	281.09

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	214.06
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	267.56
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	381.92
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	457.64
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	572.05
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	743.68
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.37
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	445.77
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	636.64
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	762.82
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	953.53
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,239.59
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.62
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	624.08
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	891.31
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,067.96
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,334.95
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,735.44
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.87
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	858.11
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,225.55
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,301.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,627.20	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	2,115.36	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1.06	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,158.45	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,654.48	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,757.38	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,196.72	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,855.75	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.43	

23 01 20 91-0073 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.56	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000, Deduct	*-0.70*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.18	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000, Deduct	*-1.13*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.81	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.49	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 2,000, Deduct	*-1.31*	
		For >2,000, Deduct	*-2.00*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	10.44	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 2,000, Deduct	*-1.84*	
		For >2,000, Deduct	*-2.80*	

23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.64	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000, Deduct	*-0.70*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.27	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000, Deduct	*-1.13*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.95	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.69	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 2,000, Deduct	*-1.31*	
		For >2,000, Deduct	*-2.00*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	10.71	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 2,000, Deduct	*-1.84*	
		For >2,000, Deduct	*-2.80*	

23 01 20 91-0086 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.66	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000, Deduct	*-0.70*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.31	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000, Deduct	*-1.13*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	6.00	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	7.77	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 2,000, Deduct	*-1.31*	
		For >2,000, Deduct	*-2.00*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	10.81	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 2,000, Deduct	*-1.84*	
		For >2,000, Deduct	*-2.80*	

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0093	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	418.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0094	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	527.06	
23 01 20 91-0095	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	730.40	
23 01 20 91-0096	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,117.62	
23 01 20 91-0097	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,379.92	
23 01 20 91-0098	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,084.08	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.59	
		For Exhaust Ductwork, Add	*1.15*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.76	
		For Exhaust Ductwork, Add	*1.44*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.74	
		For Exhaust Ductwork, Add	*1.94*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	10.94	
		For Exhaust Ductwork, Add	*2.74*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.67	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	13.60	
23 01 30 51-0008	EA	Clean Floor Transition	10.94	
23 01 30 51-0009	SF	Clean Duct Dampers	15.47	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	30.96	
23 01 30 51-0011	SF	Clean Louver	12.38	
23 01 30 51-0012	EA	Clean Turning Vane Set	37.15	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	37.15	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	9.28	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	125.56	
		For Stainless Steel, Add	*73.68*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	111.43	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	148.58	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	148.58	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	148.58	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	297.16	
23 01 30 51-0021	EA	Clean Exhaust Fan	260.01	
23 01 30 51-0022	EA	Clean Duct Coil	222.86	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	7.43	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	371.44	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	594.31	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.94	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.68	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.73	
23 01 30 51-0029	EA	Minimum Set-up Charge For Cleaning Of Ductwork Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,028.66	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.66	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.39	

23 01 30 61-0003 Rework Sheet Metal Ductwork *(23 01 30 61)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	37.62	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	73.36	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	96.93	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	121.38	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	169.30	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	197.50	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	225.72	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	253.93	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Set-up And Maintenance For Boiler Repairs *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,892.51
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,142.86
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*689.25*
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,856.67
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,928.34
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,856.67
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	120.52
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	361.56
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	13.98

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	289.24
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	361.57
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	506.18
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.35
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.25
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	15.15
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	21.86
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	25.65
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	32.93
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	36.15
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	54.24
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	72.31
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	90.39
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	108.47
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	126.55
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	108.47
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	144.63
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	180.78
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	216.94
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	253.09
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	289.24
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	421.41

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	3,259.15
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,259.01
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,805.95
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	6,028.90
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,476.54
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	5,162.08
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	9,815.82
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	7,685.89
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	8,168.85

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	157.72
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,290.35

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)*

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,468.69	1,329.31
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	16,537.23	1,645.78
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	19,535.52	1,993.83
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	23,036.41	2,146.11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0052		Boiler And Chiller Water Treatment *(23 01 50 61)* Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.79	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.68	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	167.59	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		Cooling Tower Repairs *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,724.21	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,389.98	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	5,050.87	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,966.93	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,576.81	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	4,112.21	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,578.71	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,380.55	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	6,133.79	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,758.27	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	1,022.16	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,061.36	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,134.60	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,322.03	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,638.23	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,214.43	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,328.95	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,500.76	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	45.94	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	27.98	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001		Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)* See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.		
23 01 60 71-0002	LB	Recovery Of Refrigerant	14.32	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	26.87	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant. For initial filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	12.07	
23 01 60 71-0005		Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen *(23 01 60 71)* Note: Includes vacuum of nitrogen from pipe.		
23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	146.34	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	187.20	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	235.45	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	302.29	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	400.08	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.22	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	200.38	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	256.49	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	322.58	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	414.70	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	549.54	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.31	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	254.66	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	326.24	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	410.76	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	528.69	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	703.14	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.40	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	291.96	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	377.53	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	478.54	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	620.70	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	841.18	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.46	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	346.94	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	449.05	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	622.29	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	739.32	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,003.84	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	395.70	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	512.46	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	650.52	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	845.34	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,150.13	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.64	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	845.47	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	957.35	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	942.68	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,001.36	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,313.14	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,107.74	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,072.89	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,342.49	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,157.25	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,709.29	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,225.11	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,267.29	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,239.31	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,944.04	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,863.34	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,684.98	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,222.81	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,255.82	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,493.77	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,158.15	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,194.83	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,711.55	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,710.18	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,010.96	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,734.92	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,454.79	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,889.44	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,927.02	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,256.24	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,346.11	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,225.96	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,772.96	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,974.70	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,376.35	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,697.30	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,333.23	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,690.86	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,243.78	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,895.32	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,087.42	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,839.36	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,425.30	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,977.34	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	20,262.03	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,294.24	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,462.03	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,821.92	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,615.57	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,389.05	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,938.78	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,859.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	24,659.96	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,961.68	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,566.90	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	32,415.95	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0062		Premium Efficient, TEFC Motors *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	988.53	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,089.40	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,120.57	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,131.58	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,226.95	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,173.76	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,360.83	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.38	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,419.52	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,351.19	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,261.32	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,046.74	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,292.50	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,310.84	
23 05 13 00-0081		Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,410.35	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,579.07	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,489.21	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,461.70	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,879.85	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,566.24	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,531.39	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,909.19	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,690.95	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,738.63	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,378.70	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,740.47	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,760.17	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,409.88	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,321.84	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,935.76	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,824.36	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,604.28	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,493.30	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,891.75	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,561.63	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,993.51	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,271.39	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,319.07	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,979.73	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,573.53	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,648.72	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,028.78	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,622.57	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,701.44	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,429.96	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.30	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,762.85	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,997.56	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,931.11	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,577.15	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,706.38	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,951.24	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,780.68	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,064.43	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,230.90	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,113.52	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,200.57	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,010.77	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,773.67	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,496.69	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	35,814.35	
23 05 13 00-0130		Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,465.37	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,610.25	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,778.98	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,499.74	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,667.11	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,641.43	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,081.59	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,110.46	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,744.13	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,712.96	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,109.10	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,922.93	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,063.25	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,167.79	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,044.44	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,254.88	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,538.26	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,206.30	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,084.79	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,772.96	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,312.20	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,778.51	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,414.44	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,744.98	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,526.78	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,326.88	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,734.92	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,034.28	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,511.64	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,238.37	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,574.89	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,060.38	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,263.58	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,546.49	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,933.41	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,749.50	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,325.47	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,949.50	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,335.06	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,711.97	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,064.57	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,034.71	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,595.02	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,243.36	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,000.29	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,103.04	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,849.94	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,977.81	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,113.52	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,541.79	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,824.60	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,013.55	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,992.01	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,561.82	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,642.56	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,305.11	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,215.62	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,605.84	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,369.25	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	33,004.66	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,190.84	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	30,891.90	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,211.86	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	36,934.93	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,162.34	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	48,744.05	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,955.04	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,024.74	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,208.14	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,728.99	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,026.10	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,170.52	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,256.71	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,762.43	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,569.39	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,630.80	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,687.19	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,667.44	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,266.69	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,957.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,429.35	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	28,540.71	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	37,303.56	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	42,563.47	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	213.01	108.38
23 05 13 00-0218	EA	3/4 HP Motor Mounting	245.43	135.48
23 05 13 00-0219	EA	1 HP Motor Mounting	262.55	135.48
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	282.25	135.48
23 05 13 00-0221	EA	2 HP Motor Mounting	305.13	162.57
23 05 13 00-0222	EA	3 HP Motor Mounting	352.81	162.57
23 05 13 00-0223	EA	5 HP Motor Mounting	418.14	270.95
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	537.61	270.95
23 05 13 00-0225	EA	10 HP Motor Mounting	705.61	474.18
23 05 13 00-0226	EA	15 HP Motor Mounting	868.45	474.18
23 05 13 00-0227	EA	20 HP Motor Mounting	1,026.34	677.39
23 05 13 00-0228	EA	25 HP Motor Mounting	1,163.89	677.39
23 05 13 00-0229	EA	30 HP Motor Mounting	1,411.23	677.39
23 05 13 00-0230	EA	40 HP Motor Mounting	1,590.12	1,016.08
23 05 13 00-0231	EA	50 HP Motor Mounting	1,764.03	1,016.08
23 05 13 00-0232	EA	75 HP Motor Mounting	2,130.15	1,490.25
23 05 13 00-0233	EA	100 HP Motor Mounting	2,565.86	1,490.25
23 05 13 00-0234	EA	125 HP Motor Mounting	3,136.05	2,032.17
23 05 13 00-0235	EA	150 HP Motor Mounting	3,641.87	2,032.17
23 05 13 00-0236	EA	200 HP Motor Mounting	4,181.41	2,438.59

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	262.83	109.19
		For 300 Lb. Rating, Add	*11.08*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	294.69	123.15
		For 300 Lb. Rating, Add	*12.14*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	345.53	141.17
		For 300 Lb. Rating, Add	*15.82*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	390.73	157.56
		For 300 Lb. Rating, Add	*18.99*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	423.05	169.34
		For 300 Lb. Rating, Add	*21.09*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	487.03	199.29
		For 300 Lb. Rating, Add	*22.14*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	651.48	109.19
		For 300 Lb. Rating, Add	*128.96*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	713.77	131.03
		For 300 Lb. Rating, Add	*137.39*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	757.65	166.35
		For 300 Lb. Rating, Add	*137.42*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	817.28	180.94
		For 300 Lb. Rating, Add	*147.60*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	903.49	212.14
		For 300 Lb. Rating, Add	*159.50*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,133.84	355.65
		For 300 Lb. Rating, Add	*172.04*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,511.70	389.13
		For 300 Lb. Rating, Add	*256.51*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,421.10	432.36
		For 300 Lb. Rating, Add	*219.68*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,825.28	552.47
		For 300 Lb. Rating, Add	*284.75*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,314.05	672.56
		For 300 Lb. Rating, Add	*368.34*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,018.70	509.46
		For 300 Lb. Rating, Add	*499.61*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,819.89	960.80
		For 300 Lb. Rating, Add	*654.72*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,881.14	1,056.88
		For 300 Lb. Rating, Add	*890.01*	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	713.72	149.75
		For 300 Lb. Rating, Add	*103.58*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	743.41	150.99
		For 300 Lb. Rating, Add	*110.35*	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	753.77	155.98
		For 300 Lb. Rating, Add	*110.37*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	814.78	170.08
		For 300 Lb. Rating, Add	*118.55*	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	913.95	200.04
		For 300 Lb. Rating, Add	*128.37*	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,348.57	398.33
		For 300 Lb. Rating, Add	*138.18*	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,635.60	406.78
		For 300 Lb. Rating, Add	*206.03*	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,605.90	450.38
		For 300 Lb. Rating, Add	*176.45*	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,942.58	514.63
		For 300 Lb. Rating, Add	*228.71*	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,441.91	630.53
		For 300 Lb. Rating, Add	*295.85*	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,133.67	764.32
		For 300 Lb. Rating, Add	*401.28*	
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,741.77	778.25
		For 300 Lb. Rating, Add	*546.23*	
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,916.20	972.82
		For 300 Lb. Rating, Add	*742.53*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	194.43	59.36
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	253.67	69.33
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	315.52	83.17
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	425.03	124.70
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	526.27	166.23
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	638.90	207.87

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	168.61	60.21
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	209.26	65.26
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	247.84	70.32
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	307.08	84.36
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	447.16	105.36
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	818.09	126.48
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	965.36	158.10
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,291.51	194.53
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,774.22	252.97
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,549.00	316.22

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	124.90	43.35
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	144.14	43.35
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	144.14	43.35

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.38	43.35
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.38	43.35
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	203.60	43.35
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	168.63	43.35
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	177.37	43.35
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	208.85	43.35

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.38	43.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.38	43.35
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	203.60	43.35
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	186.11	43.35
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	203.60	43.35
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	208.06	43.35
23 05 19 00-0020		**1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	209.96	81.28
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	209.87	81.28
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	45.06	16.94
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	55.38	16.94
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	411.06	16.94
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	411.06	16.94
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	539.16	16.94
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	1,293.55	16.94
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	157.94	16.94
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	356.34	16.94
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.92	16.94
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.92	16.94
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	346.92	16.94
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	102.55	13.55
23 05 19 00-0041	EA	1/4" Diameter, Snubber Valve	63.83	13.55
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	40.27	20.32
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	34.87	20.32
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	39.89	20.32
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	8.26	6.77
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	75.98	33.87
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union	67.85	13.55
23 05 19 00-0048	EA	1/4" Black Steel Coupling	28.60	13.55
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug	16.61	8.13
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap	17.11	8.13
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.31	4.47
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	9.36	4.47
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	10.02	
23 05 19 00-0054	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	125.38	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	96.14	20.73
23 05 19 00-0057		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	339.62	92.13
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	375.73	110.55
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	414.47	122.88
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	467.12	138.18
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	555.61	157.97
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	753.62	212.39
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0057)*		
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,464.47	189.73
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*379.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,010.55	227.67
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*544.32*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,630.73	284.59
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*721.54*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,145.95	379.45
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*835.46*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	4,563.59	455.35
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,278.52*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	7,395.31	569.19
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,189.93*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	11,050.89	787.52
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,316.54*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	15,527.47	1,181.29
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,607.72*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	23,059.63	1,312.54
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,152.09*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	1,023.40	101.60
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0078		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	185.74	19.71
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	194.01	20.75
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	209.83	21.80
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	234.95	29.39
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	280.82	35.61
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	318.42	45.10
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	451.35	52.13
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	500.04	61.61
23 05 19 00-0087		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	241.54	19.71
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	248.57	20.75
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	268.11	21.80
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	284.55	29.39
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	301.90	35.61
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	327.10	45.10
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	619.98	52.13
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	663.72	61.61
23 05 19 00-0096		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	349.42	19.71
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	368.85	20.75
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	400.79	21.80
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	435.82	29.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	500.29	35.61
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	529.21	45.10
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,066.36	52.13
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,122.50	61.61
23 05 19 00-0105		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	237.82	19.71
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	247.33	20.75
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	261.91	21.80
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	283.31	29.39
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	300.66	35.61
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	327.10	45.10
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	612.54	52.13
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	653.80	61.61
23 05 19 00-0114		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	346.94	19.71
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	373.81	20.75
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	408.23	21.80
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	435.82	29.39
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	500.29	35.61
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	534.17	45.10
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,066.36	52.13
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,122.50	61.61
23 05 19 00-0123		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	510.21	35.61
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	573.85	45.10
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	652.22	52.13
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	733.16	61.61
23 05 19 00-0128		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,123.63	142.18
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,255.46	180.50
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,848.12	211.99
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,789.49	355.40
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,500.55	420.20
23 05 19 00-0134		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	861.79	101.55
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,017.62	118.48
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,098.21	142.18
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,376.35	180.50
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,996.29	211.99
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,950.06	355.40
23 05 19 00-0141		Water Flow Switches *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	319.10	39.93
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	330.44	39.93
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	426.22	39.93
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	440.72	39.93
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	344.95	39.93
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	358.17	39.93
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	452.06	39.93
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	465.28	39.93
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	891.18	39.93
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	904.00	39.93
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	1,025.74	39.93
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,043.36	39.93
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	921.62	39.93
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	939.24	39.93
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,056.18	39.93
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,075.40	39.93

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23		**General-Duty Valves For HVAC Piping** *(23 05)*		
		Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.		
23 05 23 00-0001		Gate Valves *(23 05 23)*		
23 05 23 00-0002		Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	72.94	13.54
		For Work In Restricted Working Space, Add	*11.83*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	75.01	13.54
		For Work In Restricted Working Space, Add	*12.45*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	77.19	13.54
		For Work In Restricted Working Space, Add	*13.10*	
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	98.86	14.89
		For Work In Restricted Working Space, Add	*17.66*	
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	131.66	16.93
		For Work In Restricted Working Space, Add	*21.38*	
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	171.70	18.01
		For Work In Restricted Working Space, Add	*27.08*	
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	206.77	20.85
		For Work In Restricted Working Space, Add	*31.25*	
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	263.30	24.65
		For Work In Restricted Working Space, Add	*36.93*	
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	566.13	33.29
		For Work In Restricted Working Space, Add	*49.88*	
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	669.83	38.65
		For Work In Restricted Working Space, Add	*57.56*	
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,356.90	43.65
		For Work In Restricted Working Space, Add	*65.47*	
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
23 05 23 00-0014		Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	302.07	20.85
		For Work In Restricted Working Space, Add	*31.25*	
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	457.52	24.65
		For Work In Restricted Working Space, Add	*36.93*	
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	669.24	33.29
		For Work In Restricted Working Space, Add	*49.88*	
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	851.77	38.65
		For Work In Restricted Working Space, Add	*57.56*	
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,994.66	43.65
		For Work In Restricted Working Space, Add	*65.47*	
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	786.12	142.18
		For Work In Restricted Working Space, Add	*53.45*	
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*697.04*	
		For Chain Operated Type, Add	*303.98*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	861.50	180.50
		For Work In Restricted Working Space, Add	*67.70*	
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*748.66*	
		For Chain Operated Type, Add	*317.91*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	989.59	180.82
		For Work In Restricted Working Space, Add	*68.02*	
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*876.23*	
		For Chain Operated Type, Add	*381.43*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,218.85	211.99
		For Work In Restricted Working Space, Add	*79.60*	
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,086.19*	
		For Chain Operated Type, Add	*476.77*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,716.80	355.40
		For Work In Restricted Working Space, Add	*133.61*	
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,494.12*	
		For Chain Operated Type, Add	*635.72*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,124.72	378.18
		For Work In Restricted Working Space, Add	*141.60*	
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,888.72*	
		For Chain Operated Type, Add	*826.36*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,561.02	420.20
		For Work In Restricted Working Space, Add	*158.14*	
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,297.46*	
		For Chain Operated Type, Add	*1,016.95*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,036.14	536.93
		For Work In Restricted Working Space, Add	*200.09*	
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,702.65*	
		For Chain Operated Type, Add	*1,684.58*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,266.58	653.65
		For Work In Restricted Working Space, Add	*245.12*	
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,858.06*	
		For Chain Operated Type, Add	*2,224.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,347.17	793.71
		For Work In Restricted Working Space, Add	*297.11*	
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,851.98*	
		For Chain Operated Type, Add	*3,178.40*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	589.29	20.85
		For Work In Restricted Working Space, Add	*31.25*	
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	750.25	24.65
		For Work In Restricted Working Space, Add	*36.93*	
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	873.46	33.29
		For Work In Restricted Working Space, Add	*49.88*	
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	972.16	38.65
		For Work In Restricted Working Space, Add	*57.56*	
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,295.72	43.65
		For Work In Restricted Working Space, Add	*65.47*	
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,054.57	142.18
		For Work In Restricted Working Space, Add	*53.45*	
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,128.12	180.50
		For Work In Restricted Working Space, Add	*67.70*	
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,158.62	180.82
		For Work In Restricted Working Space, Add	*68.02*	
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,290.65	211.99
		For Work In Restricted Working Space, Add	*79.60*	
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,688.82	355.40
		For Work In Restricted Working Space, Add	*133.61*	
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,206.90	378.18
		For Work In Restricted Working Space, Add	*141.60*	
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,508.45	420.20
		For Work In Restricted Working Space, Add	*158.14*	
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,017.93	536.93
		For Work In Restricted Working Space, Add	*200.09*	
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,974.16	653.65
		For Work In Restricted Working Space, Add	*245.12*	
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,526.58	793.71
		For Work In Restricted Working Space, Add	*297.11*	
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,343.21	1,123.85
		For Work In Restricted Working Space, Add	*421.45*	
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,084.77	1,236.24
		For Work In Restricted Working Space, Add	*463.59*	
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,669.46	1,371.10
		For Work In Restricted Working Space, Add	*514.16*	
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,297.97	1,545.30
		For Work In Restricted Working Space, Add	*579.49*	
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,400.23	1,896.51
		For Work In Restricted Working Space, Add	*711.19*	
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,676.16	3,090.61
		For Work In Restricted Working Space, Add	*1,158.98*	
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,430.92	4,120.81
		For Work In Restricted Working Space, Add	*1,545.30*	
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	151,525.00	5,225.41
		For Work In Restricted Working Space, Add	*1,959.53*	
		For 150 Lb. Rating, Add	*21,748.99*	
		For 175 Lb. Rating, Add	*44,947.90*	
		For 250 Lb. Rating, Add	*94,245.61*	
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	182,054.30	6,531.76
		For Work In Restricted Working Space, Add	*2,449.41*	
		For 150 Lb. Rating, Add	*26,083.44*	
		For 175 Lb. Rating, Add	*53,905.78*	
		For 250 Lb. Rating, Add	*113,028.24*	
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	218,465.16	7,838.11
		For Work In Restricted Working Space, Add	*2,939.29*	
		For 150 Lb. Rating, Add	*31,300.13*	
		For 175 Lb. Rating, Add	*64,686.93*	
		For 250 Lb. Rating, Add	*135,633.89*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	178.46	13.54
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	182.71	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	216.57	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	262.87	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	399.40	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	472.09	20.85
		For Work In Restricted Working Space, Add	*31.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	592.77	24.65
		For Work In Restricted Working Space, Add	*36.93*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 Lb. WSP.

23 05 23 00-0068	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	58.71	13.54
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0069	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	81.99	14.89
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0070	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	102.46	16.93
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0071	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	142.65	18.01
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0072	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	171.06	20.85
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0073	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	206.90	24.65
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0074	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	561.74	33.29
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0075	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	648.14	38.65
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0076	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	840.31	43.65
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*65.47*	

23 05 23 00-0077 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	68.19	13.54
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0079	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	74.90	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0080	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	104.03	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0081	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	131.98	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0082	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	194.03	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0083	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	235.61	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0084	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	304.10	24.65
		For Work In Restricted Working Space, Add	*36.93*	

23 05 23 00-0085 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	634.63	142.18
		For Work In Restricted Working Space, Add	*53.45*	
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*545.55*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*53.45*	
23 05 23 00-0087	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	791.96	180.50
		For Work In Restricted Working Space, Add	*67.70*	
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*679.12*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*67.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0088	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,261.18	180.82
		For Work In Restricted Working Space, Add	*68.02*	
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,147.82*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0089	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,383.77	211.99
		For Work In Restricted Working Space, Add	*79.60*	
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,251.11*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*79.60*	
23 05 23 00-0090	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	2,016.33	355.40
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0091	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,786.57	420.20
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0092	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,224.46	536.93
		For Work In Restricted Working Space, Add	*200.09*	

23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0094	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	50.16	13.54
		For True Union Socket Or Thread Type, Add	*4.89*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0095	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	66.34	14.89
		For True Union Socket Or Thread Type, Add	*6.08*	
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0096	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	81.66	16.93
		For True Union Socket Or Thread Type, Add	*7.90*	
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0097	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	103.92	18.01
		For True Union Socket Or Thread Type, Add	*10.20*	
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0098	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	127.91	20.85
		For True Union Socket Or Thread Type, Add	*14.97*	
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0099	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	153.37	24.65
		For True Union Socket Or Thread Type, Add	*18.57*	
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0100	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	231.41	33.29
		For True Union Socket Or Thread Type, Add	*34.79*	
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0101	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	302.61	38.65
		For True Union Socket Or Thread Type, Add	*54.38*	
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0102	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	429.99	43.65
		For True Union Socket Or Thread Type, Add	*96.16*	
		For Work In Restricted Working Space, Add	*65.47*	

23 05 23 00-0103 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0104	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.34	20.31
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.75*	
23 05 23 00-0105	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	107.45	20.31
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*18.68*	
23 05 23 00-0106	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	110.72	20.31
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*19.66*	
23 05 23 00-0107	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	136.22	22.35
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*26.49*	
23 05 23 00-0108	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	177.89	25.39
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*32.07*	
23 05 23 00-0109	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	232.56	27.02
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*40.62*	
23 05 23 00-0110	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	285.41	31.27
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*46.87*	
23 05 23 00-0111	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	394.87	36.96
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*55.39*	
23 05 23 00-0112	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	759.57	49.94
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*74.82*	
23 05 23 00-0113	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,097.90	57.98
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*86.33*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0114		Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0066)*			
23 05 23 00-0115	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		185.87	13.54
23 05 23 00-0116	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		238.69	17.60
23 05 23 00-0117	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		307.21	21.67
23 05 23 00-0118	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		418.63	29.79
23 05 23 00-0119	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		522.82	34.66
23 05 23 00-0120	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve		688.72	40.63
23 05 23 00-0121		Plastic Ball Valves *(23 05 23 00-0066)* Note: Threaded or socket.			
23 05 23 00-0122		Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*			
23 05 23 00-0123	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		78.82	13.54
23 05 23 00-0124	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		82.31	13.54
23 05 23 00-0125	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		104.67	14.89
23 05 23 00-0126	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		135.61	16.93
23 05 23 00-0127	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		162.04	18.01
23 05 23 00-0128	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		195.52	20.85
23 05 23 00-0129	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)		237.65	24.65
23 05 23 00-0130		Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0121)*			
23 05 23 00-0131	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		115.32	13.54
23 05 23 00-0132	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		117.15	13.54
23 05 23 00-0133	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		147.80	14.89
23 05 23 00-0134	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		182.41	16.93
23 05 23 00-0135	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		272.74	18.01
23 05 23 00-0136	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		303.22	20.85
23 05 23 00-0137	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)		363.63	24.65
23 05 23 00-0138		Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0121)*			
23 05 23 00-0139	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		127.76	13.54
23 05 23 00-0140	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		137.88	13.54
23 05 23 00-0141	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		159.41	14.89
23 05 23 00-0142	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		195.68	16.93
23 05 23 00-0143	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		246.20	18.01
23 05 23 00-0144	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		294.92	20.85
23 05 23 00-0145	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)		380.21	24.65
23 05 23 00-0146		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0121)*			
23 05 23 00-0147	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		250.51	13.54
23 05 23 00-0148	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		267.27	13.54
23 05 23 00-0149	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		318.65	14.89
23 05 23 00-0150	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		373.17	16.93
23 05 23 00-0151	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		455.21	18.01
23 05 23 00-0152	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		502.27	20.85
23 05 23 00-0153	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)		579.27	24.65
23 05 23 00-0154		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*			
23 05 23 00-0155	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		56.02	13.54
23 05 23 00-0156	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		75.06	14.89
23 05 23 00-0157	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		91.18	16.93
23 05 23 00-0158	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		125.44	18.01
23 05 23 00-0159	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		139.33	20.85
23 05 23 00-0160	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)		169.46	24.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0161		Plastic, True Union, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0162		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0163	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	124.44	13.54
23 05 23 00-0164	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	129.59	13.54
23 05 23 00-0165	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	157.75	14.89
23 05 23 00-0166	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	194.02	16.93
23 05 23 00-0167	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	234.59	18.01
23 05 23 00-0168	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	270.04	20.85
23 05 23 00-0169	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	330.45	24.65
23 05 23 00-0170		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0171	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	126.10	13.54
23 05 23 00-0172	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	146.18	13.54
23 05 23 00-0173	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	159.41	14.89
23 05 23 00-0174	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	194.02	16.93
23 05 23 00-0175	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	231.27	18.01
23 05 23 00-0176	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	268.38	20.85
23 05 23 00-0177	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	330.45	24.65
23 05 23 00-0178		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0179	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	71.53	13.54
23 05 23 00-0180	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	92.23	14.89
23 05 23 00-0181	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	111.08	16.93
23 05 23 00-0182	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	145.84	18.01
23 05 23 00-0183	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	170.51	20.85
23 05 23 00-0184	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	230.92	24.65
23 05 23 00-0185	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	322.20	33.29
23 05 23 00-0186	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	404.18	38.65
23 05 23 00-0187	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	566.57	43.65
23 05 23 00-0188		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0189	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	83.14	13.54
23 05 23 00-0190	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	108.81	14.89
23 05 23 00-0191	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	134.30	16.93
23 05 23 00-0192	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	186.48	18.01
23 05 23 00-0193	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	205.35	20.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0194	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	262.44	24.65
23 05 23 00-0195	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	448.27	33.29
23 05 23 00-0196	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	523.61	38.65
23 05 23 00-0197	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	798.80	43.65
23 05 23 00-0198		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0161)*		
23 05 23 00-0199		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0200	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.87	13.54
23 05 23 00-0201	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.94	13.54
23 05 23 00-0202	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	72.77	13.54
23 05 23 00-0203	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	93.22	14.89
23 05 23 00-0204	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	114.24	16.93
23 05 23 00-0205	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	138.57	18.01
23 05 23 00-0206	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	166.51	20.85
23 05 23 00-0207	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	212.68	24.65
23 05 23 00-0208	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	387.72	33.29
23 05 23 00-0209	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	432.38	38.65
23 05 23 00-0210	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	592.28	43.65
23 05 23 00-0211		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0212	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.87	13.54
23 05 23 00-0213	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.94	13.54
23 05 23 00-0214	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	72.77	13.54
23 05 23 00-0215	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	93.22	14.89
23 05 23 00-0216	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	114.24	16.93
23 05 23 00-0217	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	138.57	18.01
23 05 23 00-0218	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	166.51	20.85
23 05 23 00-0219	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	212.68	24.65
23 05 23 00-0220	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	387.72	33.29
23 05 23 00-0221	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	432.38	38.65
23 05 23 00-0222	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	592.28	43.65
23 05 23 00-0223		Three Piece Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0224		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0223)*		
23 05 23 00-0225	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	109.24	13.54
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0226	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	111.31	13.54
		For Work In Restricted Working Space, Add	*12.45*	
23 05 23 00-0227	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	124.60	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0228	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	158.18	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0229	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	201.69	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0230	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	277.73	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0231	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	346.85	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0232	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	562.83	24.65
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0233	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,202.90	35.34
		For Work In Restricted Working Space, Add	*54.15*	
23 05 23 00-0234		Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0223)*		
23 05 23 00-0235	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	126.08	13.54
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0236	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	137.92	13.54
		For Work In Restricted Working Space, Add	*12.45*	
23 05 23 00-0237	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	146.32	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0238	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	232.43	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0239	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	296.57	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0240	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	447.32	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0241	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	568.14	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0242	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	737.65	24.65
		For Work In Restricted Working Space, Add	*36.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0243		Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0223)*		
23 05 23 00-0244	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	319.62	13.54
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0245	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	342.56	13.54
		For Work In Restricted Working Space, Add	*12.45*	
23 05 23 00-0246	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	361.07	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0247	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	523.46	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0248	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	638.12	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0249	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	745.85	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0250	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	997.35	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0251	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,296.98	24.65
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0252	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,400.38	41.98
		For Work In Restricted Working Space, Add	*62.50*	
23 05 23 00-0253		Globe Valves *(23 05 23)*		
23 05 23 00-0254		Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves *(23 05 23 00-0253)*		
23 05 23 00-0255	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	81.82	13.54
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0256	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	77.57	13.54
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0257	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	98.43	13.54
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*12.45*	
23 05 23 00-0258	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	100.61	13.54
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*80.10*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0259	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	120.60	14.21
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*91.44*	
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0260	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	154.68	14.21
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*120.26*	
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0261	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	234.33	18.01
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*194.57*	
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0262	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	310.05	20.85
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*268.14*	
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0263	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	365.14	24.65
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*315.48*	
		For Work In Restricted Working Space, Add	*36.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0264	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	410.30	33.29
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0265	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	738.57	38.65
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0266		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0253)*		
23 05 23 00-0267	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	548.35	24.65
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0268	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	681.72	33.29
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0269	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	810.39	38.65
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0270	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,042.88	43.65
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*65.45*	
23 05 23 00-0271		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0253)*		
23 05 23 00-0272	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	746.52	180.50
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*67.70*	
23 05 23 00-0273	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	861.66	180.82
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0274	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,027.24	211.99
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*79.60*	
23 05 23 00-0275	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,461.25	355.40
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0276	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,884.72	378.18
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*141.60*	
23 05 23 00-0277	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,312.87	420.20
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0278	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,413.05	536.93
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*200.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0279	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,999.65	653.65
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*245.12*	
23 05 23 00-0280	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,905.00	793.71
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*297.11*	
23 05 23 00-0281		**Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves** *(23 05 23 00-0253)*		
23 05 23 00-0282	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	72.57	13.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0283	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.32	13.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0284	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	70.39	13.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*12.45*	
23 05 23 00-0285	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	74.50	13.54
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0286	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	101.62	14.21
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0287	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	127.35	14.21
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0288	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	173.58	18.01
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0289	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	201.29	20.85
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0290	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	269.39	24.65
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0291	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	444.43	36.16
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*54.16*	
23 05 23 00-0292	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	655.22	41.98
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*62.50*	
23 05 23 00-0293		**Flanged, 125 Lb., Iron Body, Angle Globe Valves** *(23 05 23 00-0253)*		
23 05 23 00-0294	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,565.71	180.50
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*67.70*	
23 05 23 00-0295	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,811.55	180.82
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0296	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,132.91	211.99
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*79.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0297	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,112.81	355.40
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0298	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,252.58	378.18
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*141.60*	
23 05 23 00-0299	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,307.71	420.20
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0300	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	10,023.52	536.93
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*200.09*	

23 05 23 00-0301 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0253)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0302	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	224.24	21.93
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0303	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	228.49	21.93
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0304	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	269.13	29.52
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0305	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	332.38	35.61
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0306	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	537.89	45.10
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0307	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	645.04	52.13
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0308	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	819.97	61.61
		For Work In Restricted Working Space, Add	*36.93*	

23 05 23 00-0309 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0310 Straight Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0311	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	328.78	14.21
23 05 23 00-0312	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	381.76	18.01
23 05 23 00-0313	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	415.15	20.85
23 05 23 00-0314	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,071.26	180.50
23 05 23 00-0315	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,203.52	180.82
23 05 23 00-0316	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,319.86	211.99
23 05 23 00-0317	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,690.51	355.40
23 05 23 00-0318	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,120.50	378.18
23 05 23 00-0319	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,142.70	420.20
23 05 23 00-0320	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,575.22	536.93
23 05 23 00-0321	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,922.93	653.65

23 05 23 00-0322 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0323	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,046.96	180.50
23 05 23 00-0324	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,174.36	180.82
23 05 23 00-0325	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,295.56	211.99
23 05 23 00-0326	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,627.34	355.40
23 05 23 00-0327	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,042.75	378.18
23 05 23 00-0328	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,413.76	420.20
23 05 23 00-0329	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,230.18	536.93
23 05 23 00-0330	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,983.93	653.65

23 05 23 00-0331 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0309)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0332	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,212.95	211.99
23 05 23 00-0333	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,408.65	355.40
23 05 23 00-0334	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,794.91	378.18
23 05 23 00-0335	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,700.47	420.20
23 05 23 00-0336	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,972.62	536.93
23 05 23 00-0337	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,916.98	653.65
23 05 23 00-0338	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,895.63	793.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0339	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,455.31	933.78
23 05 23 00-0340	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,094.43	1,027.16
23 05 23 00-0341		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0309)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0342	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,118.54	33.44
23 05 23 00-0343	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,333.47	39.90
23 05 23 00-0344	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,551.90	43.27
23 05 23 00-0345	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,573.16	46.64
23 05 23 00-0346	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,980.20	59.53
23 05 23 00-0347	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,972.94	76.33
23 05 23 00-0348	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,402.86	96.88
23 05 23 00-0349	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,521.99	108.55
23 05 23 00-0350	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,527.01	132.36
23 05 23 00-0351		**Plug Valves** *(23 05 23)*		
23 05 23 00-0352		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0351)*		
		Note: Includes wrench.		
23 05 23 00-0353	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	314.01	13.54
23 05 23 00-0354	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	329.21	14.89
23 05 23 00-0355	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	416.07	16.93
23 05 23 00-0356	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	498.52	18.01
23 05 23 00-0357	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	548.27	20.85
23 05 23 00-0358	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	647.20	24.65
23 05 23 00-0359	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	968.97	33.29
23 05 23 00-0360	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,184.88	38.65
23 05 23 00-0361		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0351)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0362	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	781.87	180.50
23 05 23 00-0363	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	959.37	180.82
23 05 23 00-0364	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,185.91	211.99
23 05 23 00-0365	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,692.00	355.40
23 05 23 00-0366	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,852.77	420.20
23 05 23 00-0367	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,658.50	536.93
23 05 23 00-0368	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,801.64	653.65
23 05 23 00-0369	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,145.63	793.71
23 05 23 00-0370		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0351)*		
23 05 23 00-0371	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,199.96	13.54
23 05 23 00-0372	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,418.33	14.89
23 05 23 00-0373	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,603.78	16.93
23 05 23 00-0374	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,924.60	18.01
23 05 23 00-0375	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,241.15	20.85
23 05 23 00-0376	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,947.34	24.65
23 05 23 00-0377		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0351)*		
23 05 23 00-0378	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,278.04	355.40
23 05 23 00-0379	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,954.97	420.20
23 05 23 00-0380	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,657.24	536.93
23 05 23 00-0381	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,762.84	653.65
23 05 23 00-0382	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,856.20	793.71
23 05 23 00-0383		**Foot Valves** *(23 05 23)*		
23 05 23 00-0384		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0383)*		
23 05 23 00-0385	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	107.74	33.87
23 05 23 00-0386	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	122.39	37.93
23 05 23 00-0387	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	156.00	43.35
23 05 23 00-0388	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	204.11	48.77
23 05 23 00-0389	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	460.65	79.93
23 05 23 00-0390	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	588.17	97.55
23 05 23 00-0391		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0383)*		
23 05 23 00-0392	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	107.74	33.87
23 05 23 00-0393	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	225.17	37.93
23 05 23 00-0394	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	215.29	43.35
23 05 23 00-0395	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	291.03	48.77
23 05 23 00-0396	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	568.42	79.93
23 05 23 00-0397	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	771.04	96.19
23 05 23 00-0398		**Float Valves** *(23 05 23)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0399		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0398)*		
23 05 23 00-0400		Single Seat, Bronze Construction *(23 05 23 00-0399)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0401	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	242.69	28.44
23 05 23 00-0402	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	278.38	33.86
23 05 23 00-0403	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	359.97	36.56
23 05 23 00-0404	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	598.41	46.03
23 05 23 00-0405	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	611.94	52.81
23 05 23 00-0406		Double Seat, Bronze Construction *(23 05 23 00-0399)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0407	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,283.03	28.44
23 05 23 00-0408	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,293.86	33.86
23 05 23 00-0409	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,493.00	36.56
23 05 23 00-0410	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,651.29	46.03
23 05 23 00-0411	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,887.76	52.81
23 05 23 00-0412	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,475.21	62.29
23 05 23 00-0413	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,880.13	83.55
23 05 23 00-0414	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,463.64	96.02
23 05 23 00-0415		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0398)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0416		Brass Body Threaded Ends *(23 05 23 00-0415)*		
23 05 23 00-0417	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	260.08	36.69
23 05 23 00-0418	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	293.85	40.76
23 05 23 00-0419	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	362.54	45.10
23 05 23 00-0420	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	579.68	72.85
23 05 23 00-0421	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	608.91	83.01
23 05 23 00-0422	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	688.07	102.91
23 05 23 00-0423		Cast Iron Body Flanged *(23 05 23 00-0415)*		
23 05 23 00-0424	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,062.41	180.82
23 05 23 00-0425	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,747.99	211.99
23 05 23 00-0426		Float Operated Valves *(23 05 23 00-0398)*		
23 05 23 00-0427		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0426)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0428	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	907.57	63.64
23 05 23 00-0429		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0426)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0430	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,148.79	118.46
23 05 23 00-0431		Needle Valves *(23 05 23)*		
23 05 23 00-0432		Bronze Needle Valve *(23 05 23 00-0431)*		
		Note: For heating and cooling applications.		
23 05 23 00-0433	EA	1/4" Diameter, Bronze, Needle Valve	127.27	13.54
23 05 23 00-0434	EA	3/8" Diameter, Bronze, Needle Valve	141.71	13.54
23 05 23 00-0435	EA	1/2" Diameter, Bronze, Needle Valve	154.87	13.54
23 05 23 00-0436	EA	3/4" Diameter, Bronze, Needle Valve	234.50	14.89
23 05 23 00-0437	EA	1" Diameter, Bronze, Needle Valve	357.74	16.93
23 05 23 00-0438		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0439		Screwed Eccentric Valves With Taps *(23 05 23 00-0438)*		
23 05 23 00-0440	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	277.61	13.54
23 05 23 00-0441	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	296.41	14.89
23 05 23 00-0442	EA	1" Diameter Threaded, Eccentric Valves With Taps	373.58	16.93
23 05 23 00-0443	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	453.77	18.01
23 05 23 00-0444	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	496.45	20.85
23 05 23 00-0445	EA	2" Diameter Threaded, Eccentric Valves With Taps	583.77	24.65
23 05 23 00-0446	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	878.86	33.29
23 05 23 00-0447	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,066.40	38.65
23 05 23 00-0448		Flanged Eccentric Valves With Taps *(23 05 23 00-0438)*		
23 05 23 00-0449	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,072.49	180.82
23 05 23 00-0450	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,273.03	211.99
23 05 23 00-0451	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,722.99	355.40
23 05 23 00-0452	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,271.48	378.18
23 05 23 00-0453	EA	6" Diameter Flanged, Eccentric Valves With Taps	2,866.45	420.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0454	EA	8" Diameter Flanged, Eccentric Valves With Taps	4,895.76	536.93
23 05 23 00-0455	EA	10" Diameter Flanged, Eccentric Valves With Taps	6,845.31	653.65
23 05 23 00-0456	EA	12" Diameter Flanged, Eccentric Valves With Taps	11,697.29	793.71

23 05 23 00-0457 Check Valves *(23 05 23)*

23 05 23 00-0458 Iron Body Wafer Type Check Valve *(23 05 23 00-0457)*

23 05 23 00-0459 Single Disk Type *(23 05 23 00-0458)*

23 05 23 00-0460	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	509.30	180.60
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*172.74*	
23 05 23 00-0461	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	598.33	180.94
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*212.53*	
23 05 23 00-0462	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	735.01	212.14
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*264.38*	
23 05 23 00-0463	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,081.57	355.65
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*375.29*	
23 05 23 00-0464	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,619.98	499.15
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*573.01*	
23 05 23 00-0465	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,243.48	574.03
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*830.83*	
23 05 23 00-0466	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,321.30	698.82
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,274.61*	

23 05 23 00-0467 Twin Disc Type *(23 05 23 00-0458)*

23 05 23 00-0468	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev	704.44	180.60
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*260.55*	
23 05 23 00-0469	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	801.32	180.94
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*303.87*	
23 05 23 00-0470	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	935.73	212.14
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*354.70*	
23 05 23 00-0471	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,296.80	355.65
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*472.14*	
23 05 23 00-0472	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,996.42	499.15
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*742.40*	
23 05 23 00-0473	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,809.09	574.03
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,085.82*	
23 05 23 00-0474	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	4,193.31	686.34
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,668.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0475	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,504.85	848.56
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,212.80*	
23 05 23 00-0476	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	10,367.64	993.14
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,334.39*	
23 05 23 00-0477	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	14,223.86	1,165.29
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,036.58*	
23 05 23 00-0478	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	18,953.12	1,297.71
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,124.29*	
23 05 23 00-0479	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	22,550.87	1,456.61
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,692.70*	
23 05 23 00-0480	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	29,479.60	1,787.66
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,705.58*	

23 05 23 00-0481 Lift Check Valves *(23 05 23 00-0457)*

23 05 23 00-0482 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0481)*

Note: Watts #600 series.

23 05 23 00-0483	EA	3/8" Diameter Threaded, Bronze, Lift Check Valve	131.03	13.54
23 05 23 00-0484	EA	1/2" Diameter Threaded, Bronze, Lift Check Valve	138.63	13.54
23 05 23 00-0485	EA	3/4" Diameter Threaded, Bronze, Lift Check Valve	177.13	14.21
23 05 23 00-0486	EA	1" Diameter Threaded, Bronze, Lift Check Valve	232.66	14.21
23 05 23 00-0487	EA	1-1/4" Diameter Threaded, Bronze, Lift Check Valve	321.60	18.01
23 05 23 00-0488	EA	1-1/2" Diameter Threaded, Bronze, Lift Check Valve	390.59	20.85
23 05 23 00-0489	EA	2" Diameter Threaded, Bronze, Lift Check Valve	553.77	24.65

23 05 23 00-0490 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0481)*

Note: Crane 366E.

23 05 23 00-0491	EA	1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	787.35	13.54
23 05 23 00-0492	EA	3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	957.06	14.21
23 05 23 00-0493	EA	1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	1,713.16	14.21
23 05 23 00-0494	EA	1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,282.67	18.01
23 05 23 00-0495	EA	1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,480.08	20.85
23 05 23 00-0496	EA	2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	3,184.69	24.65

23 05 23 00-0497 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0481)*

Note: Mueller 105MAP.

23 05 23 00-0498	EA	2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	1,168.40	180.50
23 05 23 00-0499	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,151.38	180.82
23 05 23 00-0500	EA	3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,340.54	211.99
23 05 23 00-0501	EA	4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,234.14	355.40
23 05 23 00-0502	EA	5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,059.44	378.18
23 05 23 00-0503	EA	6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	5,021.26	420.20
23 05 23 00-0504	EA	8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	8,892.57	536.93
23 05 23 00-0505	EA	10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	11,173.51	653.65
23 05 23 00-0506	EA	12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	18,220.59	793.71
23 05 23 00-0507	EA	14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	24,880.33	1,123.85
23 05 23 00-0508	EA	16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	27,573.91	1,236.24

23 05 23 00-0509 Bronze Body Swing Check Valves *(23 05 23 00-0457)*

23 05 23 00-0510 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0509)*

23 05 23 00-0511	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	90.68	13.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0512	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	86.43	13.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.83*	
23 05 23 00-0513	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	88.50	13.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*12.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0514	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	92.52	13.54
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0515	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	118.06	14.21
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0516	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	151.63	14.21
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0517	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	203.07	18.01
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0518	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	262.13	20.85
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0519	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	326.19	24.65
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0520	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	633.14	33.29
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0521	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	855.86	38.65
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0522	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	969.62	43.65
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*65.47*	

23 05 23 00-0523 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0457)*

23 05 23 00-0524	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	676.44	101.55
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*38.32*	
23 05 23 00-0525	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	751.69	118.48
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*44.15*	
23 05 23 00-0526	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	833.82	142.18
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*53.45*	
23 05 23 00-0527	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,039.99	180.50
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*67.70*	
23 05 23 00-0528	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,177.09	180.82
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0529	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,298.07	211.99
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*79.60*	
23 05 23 00-0530	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,041.41	355.40
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0531	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,815.32	378.18
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*141.60*	
23 05 23 00-0532	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,244.10	420.20
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0533	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,450.26	536.93
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*200.09*	
23 05 23 00-0534	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	10,050.54	653.65
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*245.12*	
23 05 23 00-0535	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,389.56	793.71
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*297.11*	
23 05 23 00-0536	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,706.66	1,123.85
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*421.45*	
23 05 23 00-0537	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,288.82	1,236.24
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*463.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0538	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	39,032.02	1,371.10
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*514.16*	
23 05 23 00-0539	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,872.21	1,545.30
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*579.49*	
23 05 23 00-0540	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	75,084.20	1,896.51
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*711.19*	

23 05 23 00-0541 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0457)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0542	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	206.45	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0543	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	243.69	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0544	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	288.30	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0545	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	445.20	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0546	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	528.05	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0547	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	713.15	24.65
		For Work In Restricted Working Space, Add	*36.93*	

23 05 23 00-0548 Plastic Check Valve *(23 05 23 00-0457)*

23 05 23 00-0549 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0548)*

23 05 23 00-0550 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0549)*

23 05 23 00-0551	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	101.70	13.54
23 05 23 00-0552	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	121.18	14.89
23 05 23 00-0553	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	139.65	16.93
23 05 23 00-0554	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	197.76	18.01
23 05 23 00-0555	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	220.61	20.85
23 05 23 00-0556	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	372.04	22.69
23 05 23 00-0557	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	453.91	33.29
23 05 23 00-0558	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	498.40	38.65
23 05 23 00-0559	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	719.84	43.65
23 05 23 00-0560	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	695.28	211.99

23 05 23 00-0561 Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0549)*

23 05 23 00-0562 Valves *(23 05 23 00-0561)*

23 05 23 00-0563	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	78.51	13.54
23 05 23 00-0564	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	98.69	14.89
23 05 23 00-0565	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	121.03	16.93
23 05 23 00-0566	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	156.62	18.01
23 05 23 00-0567	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	183.78	20.85
23 05 23 00-0568	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	267.42	24.65
23 05 23 00-0569	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	433.34	33.29
23 05 23 00-0570	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	727.64	38.65

23 05 23 00-0571 Foot Valve Screen *(23 05 23 00-0561)*

Note: For use with PVC true union ball check valves above.

23 05 23 00-0572	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0573	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0574	EA	1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0575	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0576	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0577	EA	2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0578	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0579	EA	3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0580	EA	4" Diameter, Foot Valve Screen Option	261.13	

23 05 23 00-0581 Hayward "True Check" With VITON Seals *(23 05 23 00-0561)*

23 05 23 00-0582	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	70.95	13.54
23 05 23 00-0583	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	73.02	13.54
23 05 23 00-0584	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	79.34	13.54
23 05 23 00-0585	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	98.61	14.89
23 05 23 00-0586	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	122.20	16.93
23 05 23 00-0587	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	156.54	18.01
23 05 23 00-0588	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	188.76	20.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0589	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	235.90	24.65
23 05 23 00-0590	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	428.36	33.29
23 05 23 00-0591	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	470.53	38.65
23 05 23 00-0592	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	733.28	43.65
23 05 23 00-0593		Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0561)*		
23 05 23 00-0594	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	75.20	13.54
23 05 23 00-0595	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	94.54	14.89
23 05 23 00-0596	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	116.56	16.93
23 05 23 00-0597	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	150.40	18.01
23 05 23 00-0598	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	177.48	20.85
23 05 23 00-0599	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	225.95	24.65
23 05 23 00-0600	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	413.43	33.29
23 05 23 00-0601	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	458.09	38.65
23 05 23 00-0602	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	714.20	43.65
23 05 23 00-0603		Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0549)*		
23 05 23 00-0604	EA	1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	359.84	81.24
23 05 23 00-0605	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	392.71	94.78
23 05 23 00-0606	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	433.21	118.48
23 05 23 00-0607	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	529.17	148.95
23 05 23 00-0608	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	633.22	149.75
23 05 23 00-0609	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	860.62	174.70
23 05 23 00-0610	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,196.67	296.37
23 05 23 00-0611	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,968.80	499.15
23 05 23 00-0612		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0548)*		
23 05 23 00-0613	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	70.20	13.54
		For Work In Restricted Working Space, Add	*13.10*	
23 05 23 00-0614	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	85.40	14.89
		For Work In Restricted Working Space, Add	*17.66*	
23 05 23 00-0615	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	98.84	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0616	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	118.98	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0617	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	134.53	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0618	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	170.32	24.65
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0619	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	233.49	33.29
		For Work In Restricted Working Space, Add	*49.88*	
23 05 23 00-0620	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	279.08	38.65
		For Work In Restricted Working Space, Add	*57.56*	
23 05 23 00-0621		Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0548)*		
23 05 23 00-0622		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0621)*		
23 05 23 00-0623	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	685.49	174.58
		For Work In Restricted Working Space, Add	*66.80*	
23 05 23 00-0624	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	884.31	296.16
		For Work In Restricted Working Space, Add	*110.03*	
23 05 23 00-0625	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,391.30	350.17
		For Work In Restricted Working Space, Add	*144.19*	
23 05 23 00-0626	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,846.53	443.55
		For Work In Restricted Working Space, Add	*163.41*	
23 05 23 00-0627		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0621)*		
23 05 23 00-0628	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	804.92	174.58
		For Work In Restricted Working Space, Add	*66.80*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0629		EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,148.05	296.16
			For Work In Restricted Working Space, Add	*110.03*	
23 05 23 00-0630		EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,641.12	350.17
			For Work In Restricted Working Space, Add	*144.19*	
23 05 23 00-0631		EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,145.11	443.55
			For Work In Restricted Working Space, Add	*163.41*	
23 05 23 00-0632			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0621)*		
23 05 23 00-0633		EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	836.44	174.58
			For Work In Restricted Working Space, Add	*66.80*	
23 05 23 00-0634		EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,150.54	296.16
			For Work In Restricted Working Space, Add	*110.03*	
23 05 23 00-0635		EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,530.64	350.17
			For Work In Restricted Working Space, Add	*144.19*	
23 05 23 00-0636		EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,961.32	443.55
			For Work In Restricted Working Space, Add	*163.41*	
23 05 23 00-0637			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0621)*		
23 05 23 00-0638		EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	935.96	174.58
			For Work In Restricted Working Space, Add	*66.80*	
23 05 23 00-0639		EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,295.69	296.16
			For Work In Restricted Working Space, Add	*110.03*	
23 05 23 00-0640		EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,737.99	350.17
			For Work In Restricted Working Space, Add	*144.19*	
23 05 23 00-0641		EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,210.14	443.55
			For Work In Restricted Working Space, Add	*163.41*	
23 05 23 00-0642			Diaphragm Valves *(23 05 23)*		
23 05 23 00-0643			Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0644		EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	306.95	40.53
23 05 23 00-0645		EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	393.05	44.89
23 05 23 00-0646		EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	426.61	55.49
23 05 23 00-0647		EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	676.96	82.93
23 05 23 00-0648		EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,087.88	99.76
23 05 23 00-0649			Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0650		EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	488.41	65.00
23 05 23 00-0651		EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	572.56	67.70
23 05 23 00-0652		EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	670.13	101.55
23 05 23 00-0653		EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,021.85	142.18
23 05 23 00-0654		EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,654.82	180.50
23 05 23 00-0655		EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,144.49	180.82
23 05 23 00-0656		EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,671.60	211.99
23 05 23 00-0657		EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,748.62	355.40
23 05 23 00-0658		EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,927.63	420.20
23 05 23 00-0659		EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,402.36	536.93
23 05 23 00-0660			Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0661		EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	189.32	40.53
23 05 23 00-0662		EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	247.55	44.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0663	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	281.11	55.49
23 05 23 00-0664	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	478.83	82.93
23 05 23 00-0665	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	626.64	99.76
23 05 23 00-0666		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0667	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	317.99	65.00
23 05 23 00-0668	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	370.29	67.70
23 05 23 00-0669	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	467.82	101.55
23 05 23 00-0670	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	746.38	142.18
23 05 23 00-0671	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,013.41	180.50
23 05 23 00-0672	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,253.76	180.82
23 05 23 00-0673	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,530.89	211.99
23 05 23 00-0674	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,403.98	355.40
23 05 23 00-0675	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,915.14	420.20
23 05 23 00-0676	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,624.29	536.93
23 05 23 00-0677		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0642)*		
23 05 23 00-0678	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	609.19	101.55
23 05 23 00-0679	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	999.47	142.18
23 05 23 00-0680	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,351.41	180.50
23 05 23 00-0681	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,982.56	180.82
23 05 23 00-0682	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,183.98	211.99
23 05 23 00-0683	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,411.86	355.40
23 05 23 00-0684	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,969.87	420.20
23 05 23 00-0685	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,699.35	536.93
23 05 23 00-0686		Solenoid Valves *(23 05 23)*		
23 05 23 00-0687		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0686)*		
23 05 23 00-0688	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	146.19	13.54
23 05 23 00-0689	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	169.56	13.54
23 05 23 00-0690	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	217.19	14.89
23 05 23 00-0691	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	319.22	16.93
23 05 23 00-0692	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	561.91	20.85
23 05 23 00-0693	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	877.81	24.65
23 05 23 00-0694	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,195.56	33.29
23 05 23 00-0695	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,731.82	38.65
23 05 23 00-0696		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0697		Conditioned Water Balancing Valves *(23 05 23 00-0696)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0698	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	189.58	69.09
23 05 23 00-0699	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	227.95	92.13
23 05 23 00-0700	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,434.68	105.27
23 05 23 00-0701	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,545.96	130.06
23 05 23 00-0702	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,655.21	138.18
23 05 23 00-0703	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,771.36	157.97
23 05 23 00-0704	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,145.73	275.03
23 05 23 00-0705	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,036.60	314.34
23 05 23 00-0706	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,396.76	212.14
23 05 23 00-0707	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,705.97	355.65
23 05 23 00-0708	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,355.48	449.24
23 05 23 00-0709	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,929.23	574.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0710	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,197.52	698.82
23 05 23 00-0711		**Read Out Meters** *(23 05 23 00-0696)*		
		Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0712	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0713	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0714	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0715	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0716		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0717		**Balancing Valves With Lever** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0718	EA	1/2" Diameter Threaded, Balancing Valve With Lever	443.71	42.68
23 05 23 00-0719	EA	3/4" Diameter Threaded, Balancing Valve With Lever	481.14	56.22
23 05 23 00-0720	EA	1" Diameter Threaded, Balancing Valve With Lever	682.14	64.35
23 05 23 00-0721	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	734.14	79.93
23 05 23 00-0722	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	770.94	84.68
23 05 23 00-0723	EA	2" Diameter Threaded, Balancing Valve With Lever	946.81	96.87
23 05 23 00-0724	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,270.76	180.94
23 05 23 00-0725	EA	3" Diameter Flanged, Balancing Valve With Lever	1,274.97	212.14
23 05 23 00-0726	EA	4" Diameter Flanged, Balancing Valve With Lever	1,592.79	355.65
23 05 23 00-0727	EA	5" Diameter Flanged, Balancing Valve With Lever	4,755.32	404.32
23 05 23 00-0728	EA	6" Diameter Flanged, Balancing Valve With Lever	2,341.59	449.24
23 05 23 00-0729	EA	8" Diameter Flanged, Balancing Valve With Lever	3,097.80	574.03
23 05 23 00-0730		**Balancing Valves With Nut** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0731	EA	4" Diameter Flanged, Balancing Valve With Nut	1,592.79	355.65
23 05 23 00-0732	EA	5" Diameter Flanged, Balancing Valve With Nut	4,755.32	404.32
23 05 23 00-0733	EA	6" Diameter Flanged, Balancing Valve With Nut	2,341.59	449.24
23 05 23 00-0734	EA	8" Diameter Flanged, Balancing Valve With Nut	3,097.80	574.03
23 05 23 00-0735		**Balancing Valves With Hand Wheel** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0736	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	2,172.72	355.65
23 05 23 00-0737	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,368.39	404.32
23 05 23 00-0738	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,955.93	449.24
23 05 23 00-0739	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	4,187.56	574.03
23 05 23 00-0740	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,447.22	698.82
23 05 23 00-0741	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	8,435.80	561.85
23 05 23 00-0742	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	11,033.88	1,059.35
23 05 23 00-0743		**Balancing Valves With Chain Wheel** *(23 05 23 00-0716)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0744	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,505.38	355.65
23 05 23 00-0745	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,695.95	404.32
23 05 23 00-0746	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,282.22	449.24
23 05 23 00-0747	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,589.05	574.03
23 05 23 00-0748	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,837.24	698.82
23 05 23 00-0749	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	9,163.93	561.46
23 05 23 00-0750	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,692.83	1,059.35
23 05 23 00-0751		**Calibrated Balancing Valves** *(23 05 23 00-0716)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0752	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	154.08	13.55
23 05 23 00-0753	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	181.67	14.90
23 05 23 00-0754	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	205.87	16.94
23 05 23 00-0755	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	287.07	18.02
23 05 23 00-0756	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	336.82	20.86
23 05 23 00-0757	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	450.51	24.66
23 05 23 00-0758	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	235.52	16.94
23 05 23 00-0759	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	320.29	18.02
23 05 23 00-0760	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	358.86	20.86
23 05 23 00-0761	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	481.48	24.66
23 05 23 00-0762	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	678.80	36.18
23 05 23 00-0763	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,173.66	42.00
23 05 23 00-0764	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,112.19	196.44
23 05 23 00-0765	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,919.44	230.31
23 05 23 00-0766	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,885.62	386.12
23 05 23 00-0767	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	3,970.71	438.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0768	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	5,022.19	487.72
23 05 23 00-0769	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	7,932.79	623.20
23 05 23 00-0770	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	12,989.12	741.55
23 05 23 00-0771	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	27,358.76	900.45
23 05 23 00-0772	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,266.44	46.64
23 05 23 00-0773	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,788.77	59.53
23 05 23 00-0774	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	5,014.70	76.33
23 05 23 00-0775	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,400.70	96.88
23 05 23 00-0776	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	14,999.20	108.55
23 05 23 00-0777	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,913.89	132.36

23 05 23 00-0778 Butterfly Valves *(23 05 23)*

23 05 23 00-0779 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves *(23 05 23 00-0778)*

Note: With on-off handle

23 05 23 00-0780	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	542.36	180.50
		For 200 PSI, Add	*152.01*	
		For 175 PSI, Add	*55.42*	
		For Work In Restricted Working Space, Add	*67.70*	
23 05 23 00-0781	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	561.83	180.82
		For 200 PSI, Add	*160.85*	
		For 175 PSI, Add	*58.64*	
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0782	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	626.19	211.99
		For 200 PSI, Add	*173.22*	
		For 175 PSI, Add	*63.15*	
		For Work In Restricted Working Space, Add	*79.60*	
23 05 23 00-0783	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	898.29	355.40
		For 200 PSI, Add	*217.41*	
		For 175 PSI, Add	*79.26*	
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0784	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,171.54	420.20
		For 200 PSI, Add	*309.32*	
		For 175 PSI, Add	*112.77*	
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0785	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,371.64	466.89
		For 200 PSI, Add	*378.25*	
		For 175 PSI, Add	*137.91*	
		For Work In Restricted Working Space, Add	*175.08*	
23 05 23 00-0786	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,852.70	536.93
		For 200 PSI, Add	*569.15*	
		For 175 PSI, Add	*207.50*	
		For Work In Restricted Working Space, Add	*200.09*	
23 05 23 00-0787	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,114.85	653.65
		For 200 PSI, Add	*1,102.94*	
		For 175 PSI, Add	*402.12*	
		For Work In Restricted Working Space, Add	*245.12*	
23 05 23 00-0788	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,917.86	793.71
		For 200 PSI, Add	*1,405.19*	
		For 175 PSI, Add	*512.31*	
		For Work In Restricted Working Space, Add	*297.11*	

23 05 23 00-0789 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0778)*

23 05 23 00-0790	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,094.72	180.50
		For Work In Restricted Working Space, Add	*67.70*	
23 05 23 00-0791	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,103.13	180.82
		For Work In Restricted Working Space, Add	*68.02*	
23 05 23 00-0792	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,185.91	211.99
		For Work In Restricted Working Space, Add	*79.60*	
23 05 23 00-0793	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,483.79	355.40
		For Work In Restricted Working Space, Add	*133.61*	
23 05 23 00-0794	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,819.64	420.20
		For Work In Restricted Working Space, Add	*158.14*	
23 05 23 00-0795	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,015.85	466.89
		For Work In Restricted Working Space, Add	*175.08*	
23 05 23 00-0796	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,522.89	536.93
		For Work In Restricted Working Space, Add	*200.09*	
23 05 23 00-0797	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	3,214.27	653.65
		For Work In Restricted Working Space, Add	*245.12*	
23 05 23 00-0798	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,473.90	793.71
		For Work In Restricted Working Space, Add	*297.11*	

23 05 23 00-0799 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0778)*

23 05 23 00-0800	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	7,623.31	1,053.62
		For 200 PSI, Add	*2,238.66*	
		For 175 PSI, Add	*777.31*	
		For Work In Restricted Working Space, Add	*421.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0801	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	9,899.76	1,236.24
		For 200 PSI, Add	*3,007.61*	
		For 175 PSI, Add	*1,044.31*	
		For Work In Restricted Working Space, Add	*463.59*	
23 05 23 00-0802	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	14,129.65	1,376.72
		For 200 PSI, Add	*4,468.55*	
		For 175 PSI, Add	*1,551.58*	
		For Work In Restricted Working Space, Add	*515.10*	
23 05 23 00-0803	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	18,348.84	1,545.30
		For 200 PSI, Add	*5,910.20*	
		For 175 PSI, Add	*2,052.15*	
		For Work In Restricted Working Space, Add	*579.49*	
23 05 23 00-0804	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	24,793.80	1,896.51
		For 200 PSI, Add	*8,069.91*	
		For 175 PSI, Add	*2,802.05*	
		For Work In Restricted Working Space, Add	*713.21*	
23 05 23 00-0805	EA	30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	51,928.85	2,993.72
		For 200 PSI, Add	*17,322.71*	
		For 175 PSI, Add	*6,014.83*	
		For Work In Restricted Working Space, Add	*1,143.06*	
23 05 23 00-0806	EA	36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	65,900.71	4,082.35
		For 200 PSI, Add	*22,009.67*	
		For 175 PSI, Add	*7,642.25*	
		For Work In Restricted Working Space, Add	*1,428.82*	
23 05 23 00-0807	EA	42" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	78,683.01	5,987.45
		For 200 PSI, Add	*25,688.06*	
		For 175 PSI, Add	*8,919.47*	
		For Work In Restricted Working Space, Add	*2,198.19*	
23 05 23 00-0808	EA	48" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	95,121.37	7,484.31
		For 200 PSI, Add	*30,814.52*	
		For 175 PSI, Add	*10,699.49*	
		For Work In Restricted Working Space, Add	*2,857.64*	
23 05 23 00-0809	EA	54" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	114,552.86	8,981.17
		For 200 PSI, Add	*36,952.56*	
		For 175 PSI, Add	*12,830.75*	
		For Work In Restricted Working Space, Add	*3,572.06*	

23 05 23 00-0810 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 Lb. *(23 05 23 00-0778)*

Note: (Milwaukee Valve Company BB-SC 100)

23 05 23 00-0811	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	550.65	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0812	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	599.95	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0813	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	752.39	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0814	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	943.38	24.65
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0815	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	1,266.06	33.29
		For Work In Restricted Working Space, Add	*49.88*	

23 05 23 00-0816 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 Lb. *(23 05 23 00-0778)*

Note: (Milwaukee Valve Company BB-S02)

23 05 23 00-0817	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	829.73	16.93
		For Work In Restricted Working Space, Add	*21.38*	
23 05 23 00-0818	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	896.98	18.01
		For Work In Restricted Working Space, Add	*27.08*	
23 05 23 00-0819	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,073.14	20.85
		For Work In Restricted Working Space, Add	*31.25*	
23 05 23 00-0820	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,285.02	24.65
		For Work In Restricted Working Space, Add	*36.93*	
23 05 23 00-0821	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,643.86	33.29
		For Work In Restricted Working Space, Add	*49.88*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	24.22	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.71	12.47
		For Work In Restricted Working Space, Add	*7.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	28.10	12.47
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	29.09	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	29.32	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	30.52	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	33.07	14.21
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	35.07	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	36.78	16.43
		For Work In Restricted Working Space, Add	*9.39*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	40.14	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	51.30	20.89
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	61.65	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	81.85	31.17
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	117.86	42.40
		For Work In Restricted Working Space, Add	*24.94*	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	137.28	46.76
		For Work In Restricted Working Space, Add	*28.06*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	168.88	52.37
		For Work In Restricted Working Space, Add	*32.18*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	208.36	62.36
		For Work In Restricted Working Space, Add	*37.41*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	259.79	77.94
		For Work In Restricted Working Space, Add	*46.76*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	405.42	93.53
		For Work In Restricted Working Space, Add	*56.12*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	603.94	109.11
		For Work In Restricted Working Space, Add	*65.47*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	28.93	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.42	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.91	12.47
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.00	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.60	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.50	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.15	14.21
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	40.95	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	45.99	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	49.96	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	79.00	20.89
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	97.48	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	116.77	31.17
		For Work In Restricted Working Space, Add	*18.71*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.05	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.58	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.06	12.47
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.82	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.95	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	29.78	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.10	14.21
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	33.43	14.96
		For Work In Restricted Working Space, Add	*8.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.70	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	38.63	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.46	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.85	12.47
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.57	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	35.51	13.50
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.80	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	40.25	14.21
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	42.12	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	50.10	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	63.16	20.89
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	77.56	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	107.95	31.17
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	150.55	42.40
		For Work In Restricted Working Space, Add	*24.94*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	169.13	46.76
		For Work In Restricted Working Space, Add	*28.06*	
23 05 29 00-0063		**Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)** *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	38.91	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	41.29	14.21
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	43.29	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	48.09	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	50.43	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	62.73	20.89
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	73.48	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	96.65	31.17
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0072		**Fiberglass Clevis Hanger** *(23 05 29 00-0002)*		
23 05 29 00-0073	EA	1-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	278.82	13.29
23 05 29 00-0074	EA	2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	285.24	13.84
23 05 29 00-0075	EA	2-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	286.21	14.34
23 05 29 00-0076	EA	3" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	328.03	14.72
23 05 29 00-0077	EA	4" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	413.81	16.59
23 05 29 00-0078	EA	6" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	543.29	24.94
23 05 29 00-0079	EA	8" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	761.96	31.17
23 05 29 00-0080	EA	10" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	891.35	41.53
23 05 29 00-0081	EA	12" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	1,141.45	46.76
23 05 29 00-0082		**Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)** *(23 05 29 00-0002)*		
23 05 29 00-0083	EA	1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	29.58	11.54
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0084	EA	3/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	31.45	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0085	EA	1" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	32.77	12.47
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0086	EA	1-1/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	33.95	12.88
		For Work In Restricted Working Space, Add	*8.02*	
23 05 29 00-0087	EA	1-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	34.69	13.29
		For Work In Restricted Working Space, Add	*8.17*	
23 05 29 00-0088	EA	2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	36.28	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0089	EA	2-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	40.65	14.34
		For Work In Restricted Working Space, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0090	EA	3" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	46.81	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0091	EA	3-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	50.85	16.21
		For Work In Restricted Working Space, Add	*9.35*	
23 05 29 00-0092	EA	4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	53.65	17.45
		For Work In Restricted Working Space, Add	*9.98*	
23 05 29 00-0093	EA	5" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	66.90	21.20
		For Work In Restricted Working Space, Add	*11.99*	
23 05 29 00-0094	EA	6" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	88.42	24.94
		For Work In Restricted Working Space, Add	*14.96*	

23 05 29 00-0095 Adjustable Hangers *(23 05 29 00-0001)*

23 05 29 00-0096 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0095)*

Note: Type 5.

23 05 29 00-0097	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.93	9.83
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0098	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.08	10.91
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0099	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.49	12.12
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0100	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.27	13.47
		For Work In Restricted Working Space, Add	*8.08*	
23 05 29 00-0101	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.75	14.14
		For Work In Restricted Working Space, Add	*8.48*	
23 05 29 00-0102	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.81	14.81
		For Work In Restricted Working Space, Add	*8.89*	
23 05 29 00-0103	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.05	15.49
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0104	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	38.70	16.16
		For Work In Restricted Working Space, Add	*9.69*	
23 05 29 00-0105	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	45.64	18.18
		For Work In Restricted Working Space, Add	*10.91*	

23 05 29 00-0106 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0095)*

Note: Type 10.

23 05 29 00-0107	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.98	12.47
		For Work In Restricted Working Space, Add	*7.48*	
		For 304 Stainless Steel, Add	*5.30*	
		For 316 Stainless Steel, Add	*6.50*	
23 05 29 00-0108	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	27.40	12.47
		For Work In Restricted Working Space, Add	*7.88*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0109	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.85	13.72
		For Work In Restricted Working Space, Add	*8.31*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0110	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.62	14.96
		For Work In Restricted Working Space, Add	*8.81*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0111	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	34.52	17.45
		For Work In Restricted Working Space, Add	*9.98*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0112	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	36.96	17.45
		For Work In Restricted Working Space, Add	*10.69*	
		For 304 Stainless Steel, Add	*6.83*	
		For 316 Stainless Steel, Add	*8.38*	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	40.55	18.71
		For Work In Restricted Working Space, Add	*11.51*	
		For 304 Stainless Steel, Add	*11.12*	
		For 316 Stainless Steel, Add	*13.63*	
23 05 29 00-0114	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	43.84	21.20
		For Work In Restricted Working Space, Add	*12.47*	
		For 304 Stainless Steel, Add	*11.58*	
		For 316 Stainless Steel, Add	*14.19*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	48.56	22.75
		For Work In Restricted Working Space, Add	*13.66*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0116	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	52.92	24.94
		For Work In Restricted Working Space, Add	*14.96*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0117	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	62.44	28.05
		For Work In Restricted Working Space, Add	*16.84*	
		For 304 Stainless Steel, Add	*32.23*	
		For 316 Stainless Steel, Add	*39.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0118	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	68.78	31.17
		For Work In Restricted Working Space, Add	*18.71*	
		For 304 Stainless Steel, Add	*32.74*	
		For 316 Stainless Steel, Add	*40.13*	
23 05 29 00-0119	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	82.44	37.41
		For Work In Restricted Working Space, Add	*22.45*	
		For 304 Stainless Steel, Add	*38.86*	
		For 316 Stainless Steel, Add	*47.63*	
23 05 29 00-0120		**Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)** *(23 05 29 00-0095)*		
23 05 29 00-0121	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.68	12.47
		For Work In Restricted Working Space, Add	*7.48*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0122	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.00	12.47
		For Work In Restricted Working Space, Add	*7.88*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0123	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	31.45	13.72
		For Work In Restricted Working Space, Add	*8.31*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0124	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	33.09	14.96
		For Work In Restricted Working Space, Add	*8.81*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0125	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	37.30	17.45
		For Work In Restricted Working Space, Add	*9.98*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0126	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	39.67	17.45
		For Work In Restricted Working Space, Add	*10.69*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0127	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	49.00	18.71
		For Work In Restricted Working Space, Add	*11.51*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*66.44*	
23 05 29 00-0128	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	54.74	21.20
		For Work In Restricted Working Space, Add	*12.47*	
		For 304 Stainless Steel, Add	*67.17*	
		For 316 Stainless Steel, Add	*82.31*	
23 05 29 00-0129	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	59.73	22.75
		For Work In Restricted Working Space, Add	*13.66*	
		For 304 Stainless Steel, Add	*72.47*	
		For 316 Stainless Steel, Add	*88.81*	
23 05 29 00-0130	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	67.18	24.94
		For Work In Restricted Working Space, Add	*14.96*	
		For 304 Stainless Steel, Add	*88.23*	
		For 316 Stainless Steel, Add	*108.13*	
23 05 29 00-0131	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	73.66	28.05
		For Work In Restricted Working Space, Add	*16.84*	
		For 304 Stainless Steel, Add	*89.45*	
		For 316 Stainless Steel, Add	*109.63*	
23 05 29 00-0132	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	87.75	31.17
		For Work In Restricted Working Space, Add	*18.71*	
		For 304 Stainless Steel, Add	*129.49*	
		For 316 Stainless Steel, Add	*158.69*	
23 05 29 00-0133		**Roller Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0134		**Single Pipe Roll (Cooper B-Line B3114)** *(23 05 29 00-0133)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0135	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	34.70	9.98
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0136	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	38.31	11.23
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0137	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	42.91	13.10
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*7.86*	
23 05 29 00-0138	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	49.34	14.97
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*8.99*	
23 05 29 00-0139	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	66.35	16.85
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*10.11*	
23 05 29 00-0140	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	60.97	18.72
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0141	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	75.47	22.47
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*13.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0142	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	99.81	26.20
		For Work In Restricted Working Space, Add	*15.72*	
23 05 29 00-0143	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	118.39	31.19
		For Work In Restricted Working Space, Add	*18.72*	
23 05 29 00-0144		**Adjustable Clevis Roller Hanger (Cooper B-Line B3110)** *(23 05 29 00-0133)* Note: Type 43.		
23 05 29 00-0145	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	52.69	17.61
		For Work In Restricted Working Space, Add	*10.16*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0146	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	55.13	18.16
		For Work In Restricted Working Space, Add	*10.89*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0147	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	59.70	18.97
		For Work In Restricted Working Space, Add	*11.61*	
		For 304 Stainless Steel, Add	*107.05*	
		For 316 Stainless Steel, Add	*131.19*	
23 05 29 00-0148	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	68.59	20.32
		For Work In Restricted Working Space, Add	*12.20*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0149	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	73.10	23.03
		For Work In Restricted Working Space, Add	*13.55*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0150	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	82.20	24.79
		For Work In Restricted Working Space, Add	*14.87*	
		For 304 Stainless Steel, Add	*166.36*	
		For 316 Stainless Steel, Add	*203.88*	
23 05 29 00-0151	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	94.70	27.09
		For Work In Restricted Working Space, Add	*16.26*	
		For 304 Stainless Steel, Add	*206.60*	
		For 316 Stainless Steel, Add	*253.19*	
23 05 29 00-0152	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	128.37	33.87
		For Work In Restricted Working Space, Add	*20.32*	
		For 304 Stainless Steel, Add	*309.21*	
		For 316 Stainless Steel, Add	*378.94*	
23 05 29 00-0153	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	162.55	46.06
		For Work In Restricted Working Space, Add	*27.10*	
		For 304 Stainless Steel, Add	*368.37*	
		For 316 Stainless Steel, Add	*451.44*	
23 05 29 00-0154	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	207.79	50.80
		For Work In Restricted Working Space, Add	*30.48*	
		For 304 Stainless Steel, Add	*541.57*	
		For 316 Stainless Steel, Add	*663.69*	
23 05 29 00-0155	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	410.77	58.25
		For Work In Restricted Working Space, Add	*34.95*	
		For 304 Stainless Steel, Add	*1,500.73*	
		For 316 Stainless Steel, Add	*1,839.13*	
23 05 29 00-0156	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	513.21	67.74
		For Work In Restricted Working Space, Add	*40.64*	
		For 304 Stainless Steel, Add	*1,926.42*	
		For 316 Stainless Steel, Add	*2,360.81*	
23 05 29 00-0157		**Roller Chair (Cooper B-Line B3120)** *(23 05 29 00-0133)*		
23 05 29 00-0158	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	51.45	17.61
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-0159	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	55.40	18.16
		For Work In Restricted Working Space, Add	*10.89*	
23 05 29 00-0160	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	58.23	18.97
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0161	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	65.52	20.32
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0162	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	72.97	23.03
		For Work In Restricted Working Space, Add	*13.55*	
23 05 29 00-0163	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	79.80	24.79
		For Work In Restricted Working Space, Add	*14.87*	
23 05 29 00-0164	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	96.27	27.09
		For Work In Restricted Working Space, Add	*16.26*	
23 05 29 00-0165	EA	8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	124.63	33.87
		For Work In Restricted Working Space, Add	*20.32*	
23 05 29 00-0166	EA	10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	161.68	46.06
		For Work In Restricted Working Space, Add	*27.10*	
23 05 29 00-0167	EA	12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	205.52	50.80
		For Work In Restricted Working Space, Add	*30.48*	
23 05 29 00-0168	EA	14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	225.51	58.25
		For Work In Restricted Working Space, Add	*34.95*	
23 05 29 00-0169	EA	16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	270.78	67.74
		For Work In Restricted Working Space, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0170	EA	18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	362.00	84.68
		For Work In Restricted Working Space, Add	*50.80*	
23 05 29 00-0171	EA	20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	446.52	101.60
		For Work In Restricted Working Space, Add	*60.97*	

23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0133)*

23 05 29 00-0173	EA	2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	57.24	17.61
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-0174	EA	2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	63.95	18.16
		For Work In Restricted Working Space, Add	*10.89*	
23 05 29 00-0175	EA	3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	67.36	18.97
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0176	EA	3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	71.10	20.32
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0177	EA	4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	84.67	23.03
		For Work In Restricted Working Space, Add	*13.55*	
23 05 29 00-0178	EA	5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	95.64	24.79
		For Work In Restricted Working Space, Add	*14.87*	
23 05 29 00-0179	EA	6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	110.58	27.09
		For Work In Restricted Working Space, Add	*16.26*	
23 05 29 00-0180	EA	8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	154.08	33.87
		For Work In Restricted Working Space, Add	*20.32*	
23 05 29 00-0181	EA	10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	193.44	46.06
		For Work In Restricted Working Space, Add	*27.10*	
23 05 29 00-0182	EA	12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	223.10	50.80
		For Work In Restricted Working Space, Add	*30.48*	
23 05 29 00-0183	EA	14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	309.67	58.25
		For Work In Restricted Working Space, Add	*34.95*	
23 05 29 00-0184	EA	16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	370.32	67.74
		For Work In Restricted Working Space, Add	*40.64*	
23 05 29 00-0185	EA	18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	423.93	84.68
		For Work In Restricted Working Space, Add	*50.80*	

23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0133)*

23 05 29 00-0187	EA	2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	57.57	17.61
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-0188	EA	2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.25	18.16
		For Work In Restricted Working Space, Add	*10.89*	
23 05 29 00-0189	EA	3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	67.86	18.97
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0190	EA	3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	70.66	20.32
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0191	EA	4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	88.05	23.03
		For Work In Restricted Working Space, Add	*13.55*	
23 05 29 00-0192	EA	5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	99.62	24.79
		For Work In Restricted Working Space, Add	*14.87*	
23 05 29 00-0193	EA	6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	115.33	27.09
		For Work In Restricted Working Space, Add	*16.26*	
23 05 29 00-0194	EA	8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	161.43	33.87
		For Work In Restricted Working Space, Add	*20.32*	
23 05 29 00-0195	EA	10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	202.26	46.06
		For Work In Restricted Working Space, Add	*27.10*	
23 05 29 00-0196	EA	12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	233.42	50.80
		For Work In Restricted Working Space, Add	*30.48*	
23 05 29 00-0197	EA	14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	326.18	58.25
		For Work In Restricted Working Space, Add	*34.95*	

23 05 29 00-0198 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0198)*

Note: Type 4.

23 05 29 00-0200	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.54	8.08
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0201	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.80	8.22
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0202	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	21.10	8.35
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0203	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.72	8.49
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0204	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.99	8.62
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0205	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	24.26	8.75
		For Work In Restricted Working Space, Add	*5.25*	
23 05 29 00-0206	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	25.19	9.02
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0207	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	26.57	9.29
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0208	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	30.15	9.42
		For Work In Restricted Working Space, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0209	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	35.54	12.12
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0210	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	50.36	16.16
		For Work In Restricted Working Space, Add	*9.69*	
23 05 29 00-0211	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	68.08	20.19
		For Work In Restricted Working Space, Add	*12.12*	
23 05 29 00-0212	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	80.01	23.56
		For Work In Restricted Working Space, Add	*14.14*	
23 05 29 00-0213	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	113.15	26.93
		For Work In Restricted Working Space, Add	*16.16*	
23 05 29 00-0214	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	150.96	29.63
		For Work In Restricted Working Space, Add	*17.77*	
23 05 29 00-0215	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	236.76	32.31
		For Work In Restricted Working Space, Add	*19.39*	
23 05 29 00-0216	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	256.62	35.01
		For Work In Restricted Working Space, Add	*21.00*	
23 05 29 00-0217	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	407.83	37.70
		For Work In Restricted Working Space, Add	*22.62*	
23 05 29 00-0218	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	470.11	40.40
		For Work In Restricted Working Space, Add	*24.24*	
23 05 29 00-0219	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	608.82	44.43
		For Work In Restricted Working Space, Add	*26.66*	

23 05 29 00-0220 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0198)*

23 05 29 00-0221	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	38.35	8.73
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0222	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	49.14	8.73
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0223	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	53.74	9.03
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0224	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	83.53	9.35
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0225	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	90.77	9.97
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0226	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	152.19	9.97
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0227	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	244.06	11.23
		For Work In Restricted Working Space, Add	*6.73*	
23 05 29 00-0228	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	308.84	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0229	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	336.46	14.96
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0230	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,033.00	17.45
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0231	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,186.76	18.71
		For Work In Restricted Working Space, Add	*11.22*	
23 05 29 00-0232	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,518.28	19.95
		For Work In Restricted Working Space, Add	*11.97*	

23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0198)*

Note: Type 8.

23 05 29 00-0234	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	20.44	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0235	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.20	7.61
		For Work In Restricted Working Space, Add	*4.56*	
23 05 29 00-0236	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.52	7.73
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0237	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.03	7.85
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0238	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.85	7.98
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0239	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	24.40	8.11
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0240	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	25.40	8.36
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0241	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	26.81	8.60
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0242	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	29.12	8.73
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0243	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	35.66	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0244	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	46.31	14.96
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0245	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	58.60	18.71
		For Work In Restricted Working Space, Add	*11.22*	
23 05 29 00-0246	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	78.34	21.82
		For Work In Restricted Working Space, Add	*13.10*	
23 05 29 00-0247	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	101.22	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0248	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	121.18	27.44
		For Work In Restricted Working Space, Add	*16.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0249	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	159.62	29.93
		For Work In Restricted Working Space, Add	*17.96*	
23 05 29 00-0250	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	292.60	32.42
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0251		**Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)** *(23 05 29 00-0198)*		
23 05 29 00-0252	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.48	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0253	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.99	7.61
		For Work In Restricted Working Space, Add	*4.56*	
23 05 29 00-0254	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.32	7.73
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0255	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.57	7.85
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0256	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	42.03	7.98
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0257	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	44.49	8.11
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0258	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	47.96	8.36
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0259	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	52.44	8.60
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0260	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	70.82	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0261		**Two Bolt Steel Underground Clamp (Cooper B-Line B3132)** *(23 05 29 00-0198)*		
		Note: Type 42		
23 05 29 00-0262	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	71.67	8.73
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0263	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	76.18	9.35
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0264	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	83.49	9.97
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0265	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	88.82	9.97
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0266	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	107.07	11.23
		For Work In Restricted Working Space, Add	*6.73*	
23 05 29 00-0267	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	322.54	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0268	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	431.32	14.96
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0269	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	513.79	17.45
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0270	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	745.44	18.71
		For Work In Restricted Working Space, Add	*11.22*	
23 05 29 00-0271	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,024.81	19.95
		For Work In Restricted Working Space, Add	*11.97*	
23 05 29 00-0272		**Four Bolt Steel Underground Clamp (Cooper B-Line B3134)** *(23 05 29 00-0198)*		
23 05 29 00-0273	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	66.45	8.73
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0274	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	71.70	9.35
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0275	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	122.42	9.97
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0276	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	135.61	9.97
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0277	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	193.35	11.23
		For Work In Restricted Working Space, Add	*6.73*	
23 05 29 00-0278	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	294.37	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0279	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	394.09	14.96
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0280	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	468.90	17.45
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0281	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	682.39	18.71
		For Work In Restricted Working Space, Add	*11.22*	
23 05 29 00-0282	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	931.49	19.95
		For Work In Restricted Working Space, Add	*11.97*	
23 05 29 00-0283		**Split Pipe Clamps And Rings** *(23 05 29 00-0001)*		
23 05 29 00-0284		**Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171)** *(23 05 29 00-0283)*		
		Note: Type 6.		
23 05 29 00-0285	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	33.42	11.44
		For Work In Restricted Working Space, Add	*6.87*	
23 05 29 00-0286	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	35.40	12.12
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0287	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	38.63	13.47
		For Work In Restricted Working Space, Add	*8.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0288	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	41.45	14.14
		For Work In Restricted Working Space, Add	*8.48*	
23 05 29 00-0289	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	44.57	14.81
		For Work In Restricted Working Space, Add	*8.89*	
23 05 29 00-0290	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	53.73	15.49
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0291	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	58.58	16.16
		For Work In Restricted Working Space, Add	*9.69*	
23 05 29 00-0292	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	76.43	18.18
		For Work In Restricted Working Space, Add	*10.91*	
23 05 29 00-0293	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	97.09	22.89
		For Work In Restricted Working Space, Add	*13.73*	
23 05 29 00-0294	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	128.13	26.93
		For Work In Restricted Working Space, Add	*16.16*	

23 05 29 00-0295 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0283)*

Note: Type 11.

23 05 29 00-0296	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.75	9.48
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0297	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.95	9.48
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0298	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	26.45	12.19
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0299	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	28.57	12.19
		For Work In Restricted Working Space, Add	*7.13*	
23 05 29 00-0300	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	31.47	12.19
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0301	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	36.41	13.54
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0302	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	46.83	13.54
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0303	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	51.63	14.89
		For Work In Restricted Working Space, Add	*8.83*	
23 05 29 00-0304	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	55.17	16.25
		For Work In Restricted Working Space, Add	*9.67*	

23 05 29 00-0305 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0283)*

Note: Type 12.

23 05 29 00-0306	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.75	9.48
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0307	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.95	10.16
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0308	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	26.45	11.51
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0309	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	28.57	12.19
		For Work In Restricted Working Space, Add	*7.13*	
23 05 29 00-0310	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	31.47	12.19
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0311	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	36.41	13.54
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0312	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	46.83	14.21
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0313	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	51.63	14.89
		For Work In Restricted Working Space, Add	*8.83*	

23 05 29 00-0314 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0315 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0314)*

23 05 29 00-0316	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.56	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0317	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.28	8.12
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0318	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.06	8.12
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0319	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.04	8.12
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0320	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.11	9.48
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0321	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	21.64	9.48
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0322	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	25.82	9.48
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0323	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	32.17	9.48
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0324	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	38.03	12.19
		For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0325	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	45.91	13.54
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0326	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	56.31	14.89
		For Work In Restricted Working Space, Add	*8.94*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 00-0327 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0314)*

23 05 29 00-0328	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.44	
		For Work In Restricted Working Space, Add	*2.03*	
23 05 29 00-0329	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.90	
		For Work In Restricted Working Space, Add	*2.13*	
23 05 29 00-0330	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	8.83	
		For Work In Restricted Working Space, Add	*2.24*	
23 05 29 00-0331	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.78	
		For Work In Restricted Working Space, Add	*2.34*	
23 05 29 00-0332	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	10.49	
		For Work In Restricted Working Space, Add	*2.44*	
23 05 29 00-0333	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	11.39	
		For Work In Restricted Working Space, Add	*2.64*	

23 05 29 00-0334 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0314)*

23 05 29 00-0335	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.16	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0336	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.69	
		For Work In Restricted Working Space, Add	*0.73*	
23 05 29 00-0337	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.96	
		For Work In Restricted Working Space, Add	*0.78*	
23 05 29 00-0338	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.27	
		For Work In Restricted Working Space, Add	*0.85*	
23 05 29 00-0339	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.60	
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0340	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	5.12	
		For Work In Restricted Working Space, Add	*1.02*	

23 05 29 00-0341 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) *(23 05 29 00-0314)*

23 05 29 00-0342	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4)	69.34	21.67
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-0343	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4)	74.53	24.37
		For Work In Restricted Working Space, Add	*14.22*	
23 05 29 00-0344	EA	1" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4)	78.63	25.73
		For Work In Restricted Working Space, Add	*15.44*	
23 05 29 00-0345	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4)	89.99	28.44
		For Work In Restricted Working Space, Add	*16.66*	
23 05 29 00-0346	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4)	90.17	29.79
		For Work In Restricted Working Space, Add	*17.87*	
23 05 29 00-0347	EA	2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4)	109.25	32.50
		For Work In Restricted Working Space, Add	*19.50*	
23 05 29 00-0348	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4)	103.45	29.79
		For Work In Restricted Working Space, Add	*17.47*	
23 05 29 00-0349	EA	3" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4)	127.11	40.63
		For Work In Restricted Working Space, Add	*23.97*	
23 05 29 00-0350	EA	3-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4)	140.08	43.33
		For Work In Restricted Working Space, Add	*26.00*	
23 05 29 00-0351	EA	4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4)	155.96	47.40
		For Work In Restricted Working Space, Add	*28.03*	
23 05 29 00-0352	EA	5" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4)	197.80	54.17
		For Work In Restricted Working Space, Add	*32.09*	
23 05 29 00-0353	EA	6" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4)	217.64	60.93
		For Work In Restricted Working Space, Add	*36.16*	
23 05 29 00-0354	EA	8" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4)	270.62	73.12
		For Work In Restricted Working Space, Add	*43.87*	
23 05 29 00-0355	EA	10" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4)	314.20	85.31
		For Work In Restricted Working Space, Add	*51.19*	
23 05 29 00-0356	EA	12" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4)	540.91	94.78
		For Work In Restricted Working Space, Add	*56.87*	
23 05 29 00-0357	EA	14" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4)	413.12	104.26
		For Work In Restricted Working Space, Add	*62.56*	

23 05 29 00-0358 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) *(23 05 29 00-0314)*

Note: Designed for supporting pipe runs from strut supports.

23 05 29 00-0359	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN)	52.18	21.67
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-0360	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN)	56.63	23.70
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	*14.22*	
23 05 29 00-0361	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN)	61.22	25.73
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	*15.44*	
23 05 29 00-0362	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN)	65.86	27.76
		Note: Designed for supporting pipe runs from strut supports.		
		For Work In Restricted Working Space, Add	*16.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0363	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN) Note: Designed for supporting pipe runs from strut supports.	71.34	29.79
		For Work In Restricted Working Space, Add	*17.87*	
23 05 29 00-0364	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN) Note: Designed for supporting pipe runs from strut supports.	80.98	32.50
		For Work In Restricted Working Space, Add	*19.50*	
23 05 29 00-0365	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN) Note: Designed for supporting pipe runs from strut supports.	89.46	35.88
		For Work In Restricted Working Space, Add	*21.53*	
23 05 29 00-0366	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN) Note: Designed for supporting pipe runs from strut supports.	98.30	39.94
		For Work In Restricted Working Space, Add	*23.97*	
23 05 29 00-0367	EA	3-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN) Note: Designed for supporting pipe runs from strut supports.	98.99	39.94
		For Work In Restricted Working Space, Add	*23.97*	
23 05 29 00-0368	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN) Note: Designed for supporting pipe runs from strut supports.	115.11	46.72
		For Work In Restricted Working Space, Add	*28.03*	
23 05 29 00-0369	EA	5" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN) Note: Designed for supporting pipe runs from strut supports.	136.38	54.17
		For Work In Restricted Working Space, Add	*32.09*	
23 05 29 00-0370	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN) Note: Designed for supporting pipe runs from strut supports.	153.50	60.26
		For Work In Restricted Working Space, Add	*36.16*	
23 05 29 00-0371	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN) Note: Designed for supporting pipe runs from strut supports.	185.57	73.12
		For Work In Restricted Working Space, Add	*43.87*	
23 05 29 00-0372	EA	10" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN) Note: Designed for supporting pipe runs from strut supports.	219.76	85.31
		For Work In Restricted Working Space, Add	*51.19*	
23 05 29 00-0373	EA	12" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN) Note: Designed for supporting pipe runs from strut supports.	248.54	94.78
		For Work In Restricted Working Space, Add	*56.87*	
23 05 29 00-0374		Pipe and Equipment Support Brackets *(23 05 29 00-0001)*		
23 05 29 00-0375		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0374)* Note: Up to 750# load.		
23 05 29 00-0376	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	120.28	14.96
		For Galvanized, Add	*18.07*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0377	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	121.93	14.96
		For Galvanized, Add	*18.40*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0378	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	128.47	14.96
		For Galvanized, Add	*19.71*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0379		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0374)* Note: Up to 1500# load.		
23 05 29 00-0380	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	279.93	14.96
		For Galvanized, Add	*50.00*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0381	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	326.93	14.96
		For Galvanized, Add	*59.40*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0382	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	422.76	14.96
		For Galvanized, Add	*78.57*	
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0383		Fiberglass Brackets *(23 05 29 00-0374)*		
23 05 29 00-0384		Polyester Resin *(23 05 29 00-0383)* Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0385	EA	6" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	334.65	12.47
23 05 29 00-0386	EA	9" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	352.85	13.72
23 05 29 00-0387	EA	12" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	371.03	14.96
23 05 29 00-0388	EA	18" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	419.79	15.59
23 05 29 00-0389	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	465.17	16.21
23 05 29 00-0390		Vinyl Ester Resin *(23 05 29 00-0383)* Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0391	EA	6" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	427.56	12.47
23 05 29 00-0392	EA	9" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	450.85	13.72
23 05 29 00-0393	EA	12" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	474.55	14.96
23 05 29 00-0394	EA	18" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	536.46	15.59
23 05 29 00-0395	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	601.78	16.21

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0396		**Polyester Resin** *(23 05 29 00-0383)*		
		Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0397	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	519.05	16.21
23 05 29 00-0398	EA	30" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	536.40	17.45
23 05 29 00-0399	EA	36" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	572.83	18.71
23 05 29 00-0400		**Vinyl Ester Resin** *(23 05 29 00-0383)*		
		Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0401	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	665.84	16.21
23 05 29 00-0402	EA	30" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	695.07	17.45
23 05 29 00-0403	EA	36" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	734.04	18.71
23 05 29 00-0404		**Pipe Alignment Guide** *(23 05 29 00-0001)*		
23 05 29 00-0405		**Pipe Alignment Guide, 1" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0406	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	460.18	23.69
23 05 29 00-0407	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	461.44	24.32
23 05 29 00-0408	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	462.68	24.94
23 05 29 00-0409	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	463.93	25.56
23 05 29 00-0410	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	505.38	26.19
23 05 29 00-0411	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	516.62	28.68
23 05 29 00-0412	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	518.50	29.62
23 05 29 00-0413	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	520.36	30.55
23 05 29 00-0414	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	550.79	32.42
23 05 29 00-0415	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	643.95	41.15
23 05 29 00-0416	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	661.41	49.88
23 05 29 00-0417	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	748.50	62.36
23 05 29 00-0418	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,363.92	74.82
23 05 29 00-0419	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,068.78	99.76
23 05 29 00-0420	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,546.72	124.70
23 05 29 00-0421	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,059.14	139.66
23 05 29 00-0422	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,302.14	155.87
23 05 29 00-0423	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,515.67	178.32
23 05 29 00-0424	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,410.98	187.06
23 05 29 00-0425		**Pipe Alignment Guide, 1-1/2" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0426	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	461.44	24.32
23 05 29 00-0427	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	502.89	24.94
23 05 29 00-0428	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	504.14	25.56
23 05 29 00-0429	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	505.38	26.19
23 05 29 00-0430	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	506.63	26.81
23 05 29 00-0431	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	517.87	29.31
23 05 29 00-0432	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	519.74	30.24
23 05 29 00-0433	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	548.30	31.17
23 05 29 00-0434	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	552.03	33.05
23 05 29 00-0435	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	645.82	42.09
23 05 29 00-0436	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	663.90	51.13
23 05 29 00-0437	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	751.62	63.91
23 05 29 00-0438	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,367.66	76.69
23 05 29 00-0439	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,073.77	102.25
23 05 29 00-0440	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,552.96	127.82
23 05 29 00-0441	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,066.62	143.41
23 05 29 00-0442	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,309.62	159.62
23 05 29 00-0443	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,524.39	182.69
23 05 29 00-0444	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,420.34	191.73
23 05 29 00-0445		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0446	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	502.89	24.94
23 05 29 00-0447	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	510.39	25.56
23 05 29 00-0448	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	511.63	26.19
23 05 29 00-0449	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	512.88	26.81
23 05 29 00-0450	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	514.13	27.44
23 05 29 00-0451	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	545.79	29.93
23 05 29 00-0452	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	548.30	31.17
23 05 29 00-0453	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	549.85	31.95
23 05 29 00-0454	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	628.99	33.67
23 05 29 00-0455	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	647.70	43.02
23 05 29 00-0456	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	728.55	52.37
23 05 29 00-0457	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	823.58	65.46
23 05 29 00-0458	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,371.41	78.56
23 05 29 00-0459	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,078.76	104.75
23 05 29 00-0460	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,559.19	130.94
23 05 29 00-0461	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,073.82	147.01
23 05 29 00-0462	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,317.72	163.67
23 05 29 00-0463	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,533.12	187.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0464	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,429.69	196.40
23 05 29 00-0465		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0466	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	510.39	25.56
23 05 29 00-0467	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	538.31	26.19
23 05 29 00-0468	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	539.56	26.81
23 05 29 00-0469	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	540.81	27.44
23 05 29 00-0470	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	542.06	28.05
23 05 29 00-0471	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	547.04	30.55
23 05 29 00-0472	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	549.85	31.95
23 05 29 00-0473	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	627.11	32.74
23 05 29 00-0474	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	630.23	34.29
23 05 29 00-0475	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	711.09	43.65
23 05 29 00-0476	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	731.05	53.62
23 05 29 00-0477	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,348.34	67.03
23 05 29 00-0478	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,030.12	80.44
23 05 29 00-0479	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,511.80	107.25
23 05 29 00-0480	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,565.86	134.06
23 05 29 00-0481	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,081.58	150.89
23 05 29 00-0482	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,325.83	167.72
23 05 29 00-0483	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,542.48	191.73
23 05 29 00-0484	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,439.66	201.39
23 05 29 00-0485		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0486	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	538.31	26.19
23 05 29 00-0487	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	539.56	26.81
23 05 29 00-0488	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	540.81	27.44
23 05 29 00-0489	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	542.06	28.05
23 05 29 00-0490	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	543.30	28.68
23 05 29 00-0491	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	624.01	31.17
23 05 29 00-0492	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	627.11	32.74
23 05 29 00-0493	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	628.99	33.67
23 05 29 00-0494	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	694.13	35.17
23 05 29 00-0495	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	713.58	44.89
23 05 29 00-0496	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	802.38	54.87
23 05 29 00-0497	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,351.45	68.58
23 05 29 00-0498	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,033.87	82.30
23 05 29 00-0499	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,516.79	109.74
23 05 29 00-0500	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,572.10	137.17
23 05 29 00-0501	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,089.06	154.63
23 05 29 00-0502	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,333.31	171.46
23 05 29 00-0503	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,551.83	196.40
23 05 29 00-0504	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,449.64	206.38
23 05 29 00-0505		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0506	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	539.56	26.81
23 05 29 00-0507	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	616.52	27.44
23 05 29 00-0508	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	617.77	28.05
23 05 29 00-0509	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	619.01	28.68
23 05 29 00-0510	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	620.26	29.31
23 05 29 00-0511	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	625.56	31.95
23 05 29 00-0512	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	628.74	33.54
23 05 29 00-0513	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	692.82	34.51
23 05 29 00-0514	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	696.13	36.16
23 05 29 00-0515	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	784.92	46.14
23 05 29 00-0516	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,326.51	56.12
23 05 29 00-0517	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,009.55	70.15
23 05 29 00-0518	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,466.47	84.36
23 05 29 00-0519	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	3,004.27	112.23
23 05 29 00-0520	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,061.01	140.60
23 05 29 00-0521	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,317.05	158.37
23 05 29 00-0522	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,510.68	175.83
23 05 29 00-0523	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,438.42	200.76
23 05 29 00-0524		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0404)*		
23 05 29 00-0525	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	616.52	27.44
23 05 29 00-0526	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	617.77	28.05
23 05 29 00-0527	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	619.01	28.68
23 05 29 00-0528	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	620.26	29.31
23 05 29 00-0529	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	621.50	29.93
23 05 29 00-0530	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	689.26	32.74
23 05 29 00-0531	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	692.38	34.29
23 05 29 00-0532	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	694.50	35.35
23 05 29 00-0533	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	766.84	37.10
23 05 29 00-0534	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,309.05	47.38
23 05 29 00-0535	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,329.01	57.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0536	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,012.67	71.70
23 05 29 00-0537	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,471.09	86.66
23 05 29 00-0538	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,009.88	115.04
23 05 29 00-0539	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,277.19	143.41
23 05 29 00-0540	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,483.24	162.11
23 05 29 00-0541	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,398.52	180.82

23 05 29 00-0542 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0543	EA	1-1/2" Diameter Size, Sway Bracing	167.87	16.46
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0544	EA	2" Diameter Size, Sway Bracing	172.90	17.33
		For Work In Restricted Working Space, Add	*10.39*	
23 05 29 00-0545	EA	3" Diameter Size, Sway Bracing	179.04	18.33
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0546	EA	4" Diameter Size, Sway Bracing	203.23	20.83
		For Work In Restricted Working Space, Add	*12.47*	
23 05 29 00-0547	EA	6" Diameter Size, Sway Bracing	298.11	31.17
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0548	EA	8" Diameter Size, Sway Bracing	329.70	38.91
		For Work In Restricted Working Space, Add	*23.38*	
23 05 29 00-0549	EA	10" Diameter Size, Sway Bracing	370.73	52.00
		For Work In Restricted Working Space, Add	*31.18*	

23 05 29 00-0550 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0551	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	371.24	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0552	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	379.36	13.72
		For Work In Restricted Working Space, Add	*8.23*	
23 05 29 00-0553	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	739.11	15.59
		For Work In Restricted Working Space, Add	*9.35*	
23 05 29 00-0554	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	909.30	17.45
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0555	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	920.74	19.33
		For Work In Restricted Working Space, Add	*11.60*	
23 05 29 00-0556	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,010.49	21.82
		For Work In Restricted Working Space, Add	*13.10*	
23 05 29 00-0557	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,208.31	23.69
		For Work In Restricted Working Space, Add	*14.21*	
23 05 29 00-0558	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,222.22	25.56
		For Work In Restricted Working Space, Add	*15.34*	
23 05 29 00-0559	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,240.00	28.05
		For Work In Restricted Working Space, Add	*16.84*	
23 05 29 00-0560	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,290.13	30.55
		For Work In Restricted Working Space, Add	*18.33*	
23 05 29 00-0561	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,380.08	33.67
		For Work In Restricted Working Space, Add	*20.20*	
23 05 29 00-0562	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,420.48	37.41
		For Work In Restricted Working Space, Add	*22.45*	
23 05 29 00-0563	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,732.46	41.15
		For Work In Restricted Working Space, Add	*24.69*	
23 05 29 00-0564	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,886.54	46.14
		For Work In Restricted Working Space, Add	*27.68*	
23 05 29 00-0565	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,671.51	51.13
		For Work In Restricted Working Space, Add	*30.68*	
23 05 29 00-0566	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,278.37	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 05 29 00-0567	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,924.17	61.10
		For Work In Restricted Working Space, Add	*36.66*	

23 05 29 00-0568 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0569	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	14.58	5.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0570	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	15.34	6.24
23 05 29 00-0571	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	16.89	6.55
23 05 29 00-0572	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	18.05	6.85
23 05 29 00-0573	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	20.10	7.48
23 05 29 00-0574	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	22.30	7.79
23 05 29 00-0575	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	27.67	8.11
23 05 29 00-0576	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	30.53	8.73
23 05 29 00-0577	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	37.32	9.97
23 05 29 00-0578	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	55.48	11.23

23 05 29 00-0579 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0580	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.89	
23 05 29 00-0581	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.09	
23 05 29 00-0582	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.22	
23 05 29 00-0583	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.54	
23 05 29 00-0584	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.15	
23 05 29 00-0585	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.73	
23 05 29 00-0586	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.38	
23 05 29 00-0587	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	6.09	
23 05 29 00-0588	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	6.12	
23 05 29 00-0589	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.70	
23 05 29 00-0590	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	6.03	
23 05 29 00-0591	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.03	
23 05 29 00-0592	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.06	
23 05 29 00-0593	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.70	
23 05 29 00-0594	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.77	
23 05 29 00-0595	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.87	
23 05 29 00-0596	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.45	
23 05 29 00-0597	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.61	
23 05 29 00-0598	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.97	
23 05 29 00-0599	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.71	
23 05 29 00-0600	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.84	
23 05 29 00-0601	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.32	
23 05 29 00-0602	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.71	
23 05 29 00-0603	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	12.55	
23 05 29 00-0604	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.77	
23 05 29 00-0605	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.61	
23 05 29 00-0606	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.88	
23 05 29 00-0607	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.68	
23 05 29 00-0608	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.90	
23 05 29 00-0609	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	15.59	

23 05 29 00-0610 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0611 Rooftop Support Base *(23 05 29 00-0610)*

23 05 29 00-0612	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	39.87	10.16
23 05 29 00-0613	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	55.30	13.54

23 05 29 00-0614 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0610)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0615	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	44.74	10.16
23 05 29 00-0616	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	63.21	13.54
23 05 29 00-0617	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	113.44	16.93
23 05 29 00-0618	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	155.53	20.31
23 05 29 00-0619	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	213.57	23.70
23 05 29 00-0620	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	226.09	27.08

23 05 29 00-0621 Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0610)*

23 05 29 00-0622	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	76.14	13.54
23 05 29 00-0623	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	119.21	16.93
23 05 29 00-0624	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	157.85	20.31
23 05 29 00-0625	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	213.70	23.70
23 05 29 00-0626	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	237.83	20.31

23 05 29 00-0627 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0610)*

23 05 29 00-0628	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	126.58	20.31
23 05 29 00-0629	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	144.39	23.70
23 05 29 00-0630	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	151.12	27.08
23 05 29 00-0631	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	165.73	30.47
23 05 29 00-0632	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	210.02	33.86

23 05 29 00-0633 Rooftop Pipe Support Base And Rod *(23 05 29 00-0610)*

23 05 29 00-0634	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	91.46	13.54
23 05 29 00-0635	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	91.46	13.54
23 05 29 00-0636	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	91.94	13.54
23 05 29 00-0637	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	99.22	16.93
23 05 29 00-0638	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	95.68	16.93
23 05 29 00-0639	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	100.22	16.93

23 05 29 00-0640 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly *(23 05 29 00-0610)*

23 05 29 00-0641	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	114.63	13.54
23 05 29 00-0642	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	127.33	13.54
23 05 29 00-0643	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	166.59	16.93
23 05 29 00-0644	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	218.52	16.93
23 05 29 00-0645	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	295.65	16.93

23 05 29 00-0646 Rooftop Support Base And Adjustable Height Roller Assembly *(23 05 29 00-0610)*

Note: Includes base, two zinc all threaded rod risers and pipe roller.

23 05 29 00-0647	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	144.18	20.31

23 05 29 00-0648 Rooftop Support Base And Adjustable Height Channel Assembly *(23 05 29 00-0610)*

Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.

23 05 29 00-0649	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	95.91	16.93
23 05 29 00-0650	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	129.66	20.31
23 05 29 00-0651	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	144.98	23.70

23 05 29 00-0652 Rooftop Support Bases With Channel Support And Risers Assembly *(23 05 29 00-0610)*

Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).

23 05 29 00-0653	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	338.55	27.08
23 05 29 00-0654	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	342.21	27.08
23 05 29 00-0655	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	355.03	27.08
23 05 29 00-0656	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	384.46	27.08
23 05 29 00-0657	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	332.02	27.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0658	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	344.29	27.08
23 05 29 00-0659	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	357.12	27.08
23 05 29 00-0660	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	386.54	27.08
23 05 29 00-0661	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	346.61	27.08
23 05 29 00-0662	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	350.89	27.08
23 05 29 00-0663	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	363.46	27.08
23 05 29 00-0664	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	393.02	27.08
23 05 29 00-0665	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	361.51	27.08
23 05 29 00-0666	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	365.41	27.08
23 05 29 00-0667	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	377.99	27.08
23 05 29 00-0668	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	407.54	27.08

23 05 29 00-0669 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0670 Threaded Rod And Rod Accessories *(23 05 29 00-0669)*

23 05 29 00-0671 Threaded Rod *(23 05 29 00-0670)*

Note: Fully threaded.

23 05 29 00-0672	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.43	0.86
		For Galvanized, Add	*0.70*	
		For Zinc Plated, Add	*0.50*	
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0673	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.58	0.91
		For Galvanized, Add	*1.11*	
		For Zinc Plated, Add	*0.79*	
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0674	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.17	0.94
		For Galvanized, Add	*1.72*	
		For Zinc Plated, Add	*1.23*	
		For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0675	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.74	0.96
		For Galvanized, Add	*3.12*	
		For Zinc Plated, Add	*2.23*	
		For Work In Restricted Working Space, Add	*0.58*	
23 05 29 00-0676	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.57	1.00
		For Galvanized, Add	*3.43*	
		For Zinc Plated, Add	*2.45*	
		For Work In Restricted Working Space, Add	*0.60*	
23 05 29 00-0677	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.30	1.12
		For Galvanized, Add	*4.82*	
		For Zinc Plated, Add	*3.43*	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0678	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.69	1.25
		For Galvanized, Add	*6.08*	
		For Zinc Plated, Add	*4.33*	
		For Work In Restricted Working Space, Add	*0.75*	

23 05 29 00-0679 Rod Couplings *(23 05 29 00-0670)*

23 05 29 00-0680	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.19	
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0681	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.57	
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0682	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.54	
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0683	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.83	
		For Work In Restricted Working Space, Add	*3.40*	
23 05 29 00-0684	EA	7/8" Diameter, Threaded Rod Coupling Nut	26.43	
		For Work In Restricted Working Space, Add	*3.74*	
23 05 29 00-0685	EA	1" Diameter, Threaded Rod Coupling Nut	31.37	
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0686	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	60.80	
		For Work In Restricted Working Space, Add	*4.99*	

23 05 29 00-0687 Flat Washers *(23 05 29 00-0670)*

Note: Zinc plated.

23 05 29 00-0688	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.72	0.27
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0689	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.99	0.27
		For Galvanized, Add	*0.09*	
		For Work In Restricted Working Space, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0690	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.44	0.40
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0691	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.95	0.40
		For Galvanized, Add	*0.25*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0692	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.30	0.54
		For Galvanized, Add	*0.29*	
		For Work In Restricted Working Space, Add	*0.34*	
23 05 29 00-0693	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.68	0.54
		For Galvanized, Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0694	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.03	0.68
		For Galvanized, Add	*0.41*	
		For Work In Restricted Working Space, Add	*0.42*	

23 05 29 00-0695 Hex Nuts *(23 05 29 00-0670)*

Note: Grade 2 and zinc plated.

23 05 29 00-0696	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.91	0.34
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0697	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.15	0.34
		For Galvanized, Add	*0.08*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0698	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.34
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.27*	
23 05 29 00-0699	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.86	0.68
		For Galvanized, Add	*0.23*	
		For Work In Restricted Working Space, Add	*0.28*	
23 05 29 00-0700	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.73	0.68
		For Galvanized, Add	*0.43*	
		For Work In Restricted Working Space, Add	*0.30*	
23 05 29 00-0701	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.47	0.68
		For Galvanized, Add	*0.59*	
		For Work In Restricted Working Space, Add	*0.34*	
23 05 29 00-0702	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.68	0.68
		For Galvanized, Add	*1.11*	
		For Work In Restricted Working Space, Add	*0.38*	

23 05 29 00-0703 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0670)*

Note: Type 13.

23 05 29 00-0704	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	28.25	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0705	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	33.33	7.45
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0706	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	36.06	8.13
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0707	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	44.95	9.49
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0708	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	57.68	10.16
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0709	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	71.39	10.84
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0710	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	98.27	12.19
		For Work In Restricted Working Space, Add	*10.16*	

23 05 29 00-0711 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0670)*

Note: Type 15.

23 05 29 00-0712	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	18.95	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0713	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	21.79	7.59
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0714	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	28.27	8.40
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0715	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	33.92	9.62
		For Work In Restricted Working Space, Add	*5.81*	

23 05 29 00-0716 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0670)*

Note: Type 14.

23 05 29 00-0717	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	89.85	12.47
		For Work In Restricted Working Space, Add	*7.48*	
23 05 29 00-0718	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	130.31	13.09
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0719	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	140.79	13.72
		For Work In Restricted Working Space, Add	*8.31*	
23 05 29 00-0720	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	146.72	14.96
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0721	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	154.91	16.84
		For Work In Restricted Working Space, Add	*9.98*	

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23 05 29 00-0722	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	255.65	21.82
		For Work In Restricted Working Space, Add	*13.10*	
23 05 29 00-0723	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	278.00	24.94
		For Work In Restricted Working Space, Add	*14.96*	
23 05 29 00-0724	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	328.49	31.17
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0725		**Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0670)*		
23 05 29 00-0726	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	28.35	7.31
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0727	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	29.22	7.45
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0728	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	30.08	7.59
		For Work In Restricted Working Space, Add	*4.57*	
23 05 29 00-0729	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	30.37	7.72
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0730	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	32.12	7.99
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0731	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	34.17	8.53
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0732	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	35.60	8.94
		For Work In Restricted Working Space, Add	*5.33*	
23 05 29 00-0733	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	38.23	9.34
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-0734	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	40.26	9.75
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0735	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	42.30	10.16
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0736	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	37.03	8.13
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0737	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	37.91	8.27
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0738	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	38.83	8.40
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0739	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	39.72	8.54
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0740	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	41.50	8.80
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0741	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	44.77	9.35
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-0742	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	47.47	9.75
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0743	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	50.74	10.16
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0744	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	53.41	10.70
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0745	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	56.11	11.11
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0746	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	49.07	9.07
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0747	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	50.55	9.22
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0748	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	52.06	9.35
		For Work In Restricted Working Space, Add	*5.64*	
23 05 29 00-0749	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	52.98	9.62
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0750	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	55.38	9.89
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0751	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	59.28	10.30
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0752	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	63.19	10.84
		For Work In Restricted Working Space, Add	*6.48*	
23 05 29 00-0753	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	66.49	11.24
		For Work In Restricted Working Space, Add	*6.76*	
23 05 29 00-0754	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	70.40	11.79
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0755	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	74.30	12.19
		For Work In Restricted Working Space, Add	*7.33*	
23 05 29 00-0756	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	59.85	10.30
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0757	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	61.96	10.43
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0758	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	63.47	10.70
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0759	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	65.57	10.84
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0760	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	69.18	11.11
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0761	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	74.29	11.65
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0762	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	79.40	12.06
		For Work In Restricted Working Space, Add	*7.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0763	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	85.12	12.60
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0764	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	90.82	13.01
		For Work In Restricted Working Space, Add	*7.83*	
23 05 29 00-0765	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	95.95	13.55
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0766	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	71.46	11.92
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0767	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	74.18	12.19
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0768	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	76.30	12.32
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0769	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	78.41	12.47
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0770	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	82.65	12.87
		For Work In Restricted Working Space, Add	*7.69*	
23 05 29 00-0771	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	89.59	13.27
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0772	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	95.93	13.82
		For Work In Restricted Working Space, Add	*8.29*	
23 05 29 00-0773	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	102.86	14.36
		For Work In Restricted Working Space, Add	*8.59*	
23 05 29 00-0774	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	109.22	14.77
		For Work In Restricted Working Space, Add	*8.90*	
23 05 29 00-0775	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	115.56	15.31
		For Work In Restricted Working Space, Add	*9.19*	
23 05 29 00-0776	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	89.17	14.36
		For Work In Restricted Working Space, Add	*8.58*	
23 05 29 00-0777	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	91.93	14.49
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0778	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	94.69	14.64
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0779	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	97.44	14.90
		For Work In Restricted Working Space, Add	*8.92*	
23 05 29 00-0780	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	102.91	15.31
		For Work In Restricted Working Space, Add	*9.14*	
23 05 29 00-0781	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	111.17	15.85
		For Work In Restricted Working Space, Add	*9.48*	
23 05 29 00-0782	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	119.45	16.39
		For Work In Restricted Working Space, Add	*9.82*	
23 05 29 00-0783	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	128.27	16.94
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-0784	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	136.52	17.47
		For Work In Restricted Working Space, Add	*10.50*	
23 05 29 00-0785	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	144.81	18.02
		For Work In Restricted Working Space, Add	*10.84*	

23 05 29 00-0786 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0670)*

23 05 29 00-0787	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	56.64	9.89
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-0788	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	58.18	10.16
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0789	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	59.72	10.56
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0790	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	60.58	10.97
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0791	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	63.38	11.37
		For Work In Restricted Working Space, Add	*6.80*	
23 05 29 00-0792	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	67.09	12.19
		For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0793	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	69.75	13.00
		For Work In Restricted Working Space, Add	*7.82*	
23 05 29 00-0794	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	74.43	13.94
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0795	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	72.30	10.97
		For Work In Restricted Working Space, Add	*6.58*	
23 05 29 00-0796	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	73.89	11.24
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0797	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	75.52	11.52
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0798	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	77.40	12.06
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0799	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	80.26	12.47
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0800	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	86.03	13.41
		For Work In Restricted Working Space, Add	*8.03*	
23 05 29 00-0801	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	90.81	14.22
		For Work In Restricted Working Space, Add	*8.57*	
23 05 29 00-0802	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	96.58	15.17
		For Work In Restricted Working Space, Add	*9.11*	
23 05 29 00-0803	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	95.61	12.19
		For Work In Restricted Working Space, Add	*7.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0804	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	98.19	12.60
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0805	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	100.82	12.87
		For Work In Restricted Working Space, Add	*7.73*	
23 05 29 00-0806	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	102.75	13.41
		For Work In Restricted Working Space, Add	*8.01*	
23 05 29 00-0807	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	106.65	13.82
		For Work In Restricted Working Space, Add	*8.29*	
23 05 29 00-0808	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	113.47	14.77
		For Work In Restricted Working Space, Add	*8.85*	
23 05 29 00-0809	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	120.27	15.72
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0810	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	126.10	16.66
		For Work In Restricted Working Space, Add	*9.97*	
23 05 29 00-0811	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	120.11	13.82
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0812	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	123.75	14.22
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0813	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	126.36	14.49
		For Work In Restricted Working Space, Add	*8.71*	
23 05 29 00-0814	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	130.29	15.04
		For Work In Restricted Working Space, Add	*9.00*	
23 05 29 00-0815	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	136.20	15.44
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0816	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	145.04	16.39
		For Work In Restricted Working Space, Add	*9.87*	
23 05 29 00-0817	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	153.88	17.34
		For Work In Restricted Working Space, Add	*10.44*	
23 05 29 00-0818	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	163.75	18.42
		For Work In Restricted Working Space, Add	*11.02*	
23 05 29 00-0819	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	143.97	15.99
		For Work In Restricted Working Space, Add	*9.62*	
23 05 29 00-0820	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	148.61	16.39
		For Work In Restricted Working Space, Add	*9.83*	
23 05 29 00-0821	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	152.25	16.66
		For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0822	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	156.22	17.21
		For Work In Restricted Working Space, Add	*10.33*	
23 05 29 00-0823	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	163.18	17.74
		For Work In Restricted Working Space, Add	*10.63*	
23 05 29 00-0824	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	175.07	18.69
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0825	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	185.98	19.78
		For Work In Restricted Working Space, Add	*11.83*	
23 05 29 00-0826	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	197.86	20.73
		For Work In Restricted Working Space, Add	*12.43*	
23 05 29 00-0827	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	182.77	19.10
		For Work In Restricted Working Space, Add	*11.47*	
23 05 29 00-0828	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	187.48	19.51
		For Work In Restricted Working Space, Add	*11.70*	
23 05 29 00-0829	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	192.20	19.91
		For Work In Restricted Working Space, Add	*11.92*	
23 05 29 00-0830	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	197.29	20.46
		For Work In Restricted Working Space, Add	*12.26*	
23 05 29 00-0831	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	206.30	21.00
		For Work In Restricted Working Space, Add	*12.60*	
23 05 29 00-0832	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	220.46	22.09
		For Work In Restricted Working Space, Add	*13.28*	
23 05 29 00-0833	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	234.62	23.31
		For Work In Restricted Working Space, Add	*13.96*	
23 05 29 00-0834	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	249.67	24.39
		For Work In Restricted Working Space, Add	*14.63*	

23 05 29 00-0835 Attachments *(23 05 29 00-0669)*

23 05 29 00-0836 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0835)*

Note: Type 22.

23 05 29 00-0837	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	68.39	12.64
		For Work In Restricted Working Space, Add	*7.58*	
23 05 29 00-0838	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	73.12	13.28
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0839	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	77.94	14.04
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0840	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	101.95	14.93
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0841	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	123.98	15.81
		For Work In Restricted Working Space, Add	*9.49*	
23 05 29 00-0842	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	177.14	18.08
		For Work In Restricted Working Space, Add	*10.84*	
23 05 29 00-0843	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	256.28	18.97
		For Work In Restricted Working Space, Add	*11.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0844		**C-Clamp Style Beam Clamps (Cooper B-Line B-3034)** *(23 05 29 00-0835)*		
		Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0845	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	22.20	6.91
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0846	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	27.20	8.80
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0847	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	31.22	9.49
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0848	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	41.43	10.16
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0849	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	62.57	10.84
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0850		**Bottom Mount I-Beam Clamps (Cooper B-Line B-3055)** *(23 05 29 00-0835)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0851	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	68.85	9.48
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0852	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	103.94	12.19
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0853	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	151.10	13.55
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0854	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	181.60	14.90
		For Work In Restricted Working Space, Add	*9.03*	
23 05 29 00-0855	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	452.18	16.26
		For Work In Restricted Working Space, Add	*10.16*	
23 05 29 00-0856		**Steel U-Bolts (Cooper B-Line B-3188)** *(23 05 29 00-0835)*		
		Note: Type 24. Includes plate and nuts.		
23 05 29 00-0857	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	18.17	3.39
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0858	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	19.87	4.07
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0859	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	21.46	4.07
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0860	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	24.79	4.07
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0861	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	25.45	4.74
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0862	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	27.26	4.74
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0863	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	41.38	4.74
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0864	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	45.78	5.42
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0865	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	56.14	6.09
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0866		**Copper Standoff Brackets With Flange** *(23 05 29 00-0835)*		
		Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0867	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	40.39	19.37
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0868	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	40.50	19.37
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0869	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	40.60	19.37
		For Work In Restricted Working Space, Add	*11.61*	
23 05 29 00-0870	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	43.14	20.59
		For Work In Restricted Working Space, Add	*12.32*	
23 05 29 00-0871	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	43.35	20.59
		For Work In Restricted Working Space, Add	*12.32*	
23 05 29 00-0872		**Malleable Iron Eye Sockets (Cooper B-Line B-3222)** *(23 05 29 00-0835)*		
		Note: Type 16.		
23 05 29 00-0873	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	15.77	2.03
		For Work In Restricted Working Space, Add	*1.23*	
23 05 29 00-0874	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	20.06	2.71
		For Work In Restricted Working Space, Add	*1.63*	
23 05 29 00-0875	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	35.53	2.71
		For Work In Restricted Working Space, Add	*1.64*	
23 05 29 00-0876	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	50.72	2.71
		For Work In Restricted Working Space, Add	*1.63*	
23 05 29 00-0877	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	54.51	3.39
		For Work In Restricted Working Space, Add	*2.03*	
23 05 29 00-0878		**Steel Weldless Eye Nuts (Cooper B-Line B-3200)** *(23 05 29 00-0835)*		
		Note: Type 17.		
23 05 29 00-0879	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	53.94	2.03
		For Work In Restricted Working Space, Add	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0880	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	55.25	2.71
		For Work In Restricted Working Space, Add	*1.63*	
23 05 29 00-0881	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	55.30	2.71
		For Work In Restricted Working Space, Add	*1.64*	
23 05 29 00-0882	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	55.25	2.71
		For Work In Restricted Working Space, Add	*1.63*	
23 05 29 00-0883	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	108.94	2.98
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0884	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	109.61	3.39
		For Work In Restricted Working Space, Add	*2.03*	

23 05 29 00-0885 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0835)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0886	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	33.80	6.32
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0887	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	41.03	6.95
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0888	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	50.15	7.59
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0889	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	70.31	8.22
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0890	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	109.54	9.48
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0891	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	35.76	6.32
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0892	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.80	6.95
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0893	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	50.15	7.59
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0894	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	77.62	8.22
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0895	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	122.02	9.48
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0896	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	40.33	6.32
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0897	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	48.94	6.95
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0898	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	62.19	7.59
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0899	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	91.28	8.22
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0900	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	148.73	9.48
		For Work In Restricted Working Space, Add	*5.69*	

23 05 29 00-0901 Side Beam Brackets (Cooper B-Line B-3062) *(23 05 29 00-0835)*

Note: Type 34.

23 05 29 00-0902	EA	3/8" Diameter Rod Size, Side Beam Bracket	25.45	8.80
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0903	EA	1/2" Diameter Rod Size, Side Beam Bracket	30.71	8.80
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0904	EA	5/8" Diameter Rod Size, Side Beam Bracket	40.92	9.49
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0905	EA	3/4" Diameter Rod Size, Side Beam Bracket	76.62	10.16
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0906	EA	7/8" Diameter Rod Size, Side Beam Bracket	90.23	11.52
		For Work In Restricted Working Space, Add	*6.77*	

23 05 29 00-0907 Hex Lag Bolts *(23 05 29 00-0835)*

Note: Also known as coach screws.

23 05 29 00-0908	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	3.41	
		For Work In Restricted Working Space, Add	*0.85*	
23 05 29 00-0909	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	3.79	
		For Work In Restricted Working Space, Add	*0.88*	
23 05 29 00-0910	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	4.29	
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0911	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	5.19	
		For Work In Restricted Working Space, Add	*0.94*	
23 05 29 00-0912	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	5.54	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0913	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	5.76	
		For Work In Restricted Working Space, Add	*1.02*	
23 05 29 00-0914	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	4.52	
		For Work In Restricted Working Space, Add	*1.02*	
23 05 29 00-0915	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	5.21	
		For Work In Restricted Working Space, Add	*1.06*	
23 05 29 00-0916	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	6.08	
		For Work In Restricted Working Space, Add	*1.10*	
23 05 29 00-0917	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	7.08	
		For Work In Restricted Working Space, Add	*1.15*	
23 05 29 00-0918	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	8.38	
		For Work In Restricted Working Space, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0919	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	8.99	
		For Work In Restricted Working Space, Add	*1.27*	
23 05 29 00-0920	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	5.96	
		For Work In Restricted Working Space, Add	*1.13*	
23 05 29 00-0921	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	6.81	
		For Work In Restricted Working Space, Add	*1.15*	

23 05 29 00-0922 Hanger Strap *(23 05 29 00-0669)*

23 05 29 00-0923	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	6.53	

23 05 29 00-0924 Shields And Saddles *(23 05 29)*

23 05 29 00-0925 Insulation Protection Shield *(23 05 29 00-0924)*

Note: Type 40.

23 05 29 00-0926 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0925)*

23 05 29 00-0927	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.95	3.25
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0928	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.19	3.29
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0929	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.58	3.33
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0930	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.30	3.37
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0931	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	20.02	3.45
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0932	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	23.85	3.53
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0933	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	27.31	3.61
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0934	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	32.75	3.69
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0935	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	41.21	3.73
		For Work In Restricted Working Space, Add	*3.74*	
23 05 29 00-0936	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	44.63	3.78
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0937	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	60.26	3.82
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0938	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	67.33	3.87
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0939	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	122.13	3.91
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0940	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	132.52	3.99
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0941	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	159.54	4.07
		For Work In Restricted Working Space, Add	*4.07*	

23 05 29 00-0942 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0925)*

23 05 29 00-0943	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.27	3.25
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0944	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.48	3.29
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0945	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.80	3.33
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0946	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.36	3.37
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0947	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.68	3.45
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0948	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.53	3.53
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0949	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.91	3.61
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0950	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	27.14	3.69
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0951	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	31.99	3.73
		For Work In Restricted Working Space, Add	*3.74*	

23 05 29 00-0952 Pipe Covering Protection Saddle *(23 05 29 00-0924)*

Note: Sizes are pipe sizes.

23 05 29 00-0953 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0952)*

23 05 29 00-0954	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.60	4.47
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0955	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.72	4.52
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0956	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.84	4.56
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0957	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.00	4.63
		For Work In Restricted Working Space, Add	*4.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0958	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.12	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0959	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.96	4.74
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0960	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	30.74	4.82
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0961	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	34.10	4.89
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-0962	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.97	5.05
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0963	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	45.52	5.23
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0964	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	50.44	5.31
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0965	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	59.10	5.31
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0966	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	64.20	5.50
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0967		**Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)** *(23 05 29 00-0952)*		
23 05 29 00-0968	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.44	4.47
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0969	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.56	4.52
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0970	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.68	4.56
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0971	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.65	4.63
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0972	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.75	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0973	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.98	4.74
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0974	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	34.56	4.82
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0975	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	38.80	4.82
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-0976	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	43.28	5.05
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0977	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	50.73	5.23
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0978	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	56.59	5.31
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0979	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	66.69	5.43
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0980	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	72.72	5.50
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0981		**Saddle, For 2" Insulation (Cooper B-Line B3162)** *(23 05 29 00-0952)*		
23 05 29 00-0982	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.37	4.71
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0983	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.49	4.74
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0984	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.94	4.78
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0985	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.87	4.85
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0986	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.66	4.89
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-0987	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.91	4.99
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0988	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.69	5.06
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0989	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	37.47	5.14
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0990	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	46.88	5.30
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0991	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.78	5.50
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0992	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	55.27	5.58
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0993	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	73.27	5.69
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0994	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	80.76	5.79
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-0995	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	88.50	5.92
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0996	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	96.23	6.07
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0997	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	105.23	6.23
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0998	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	119.98	6.38
		For Work In Restricted Working Space, Add	*6.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 00-0999 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0952)*

23 05 29 00-1000	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.76	4.89
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-1001	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.49	4.97
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-1002	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.37	5.02
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-1003	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.37	5.10
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-1004	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.74	5.18
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-1005	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	43.35	5.26
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-1006	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	49.19	5.43
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-1007	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	56.83	5.63
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-1008	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	60.71	5.71
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-1009	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	75.17	5.83
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-1010	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	88.56	5.92
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-1011	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	102.20	6.06
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-1012	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	108.42	6.22
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-1013	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	115.33	6.38
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-1014	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	122.24	6.52
		For Work In Restricted Working Space, Add	*6.53*	

23 05 29 00-1015 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0952)*

23 05 29 00-1016	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	37.59	5.14
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-1017	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.79	5.22
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-1018	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.44	5.30
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-1019	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	44.11	5.39
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-1020	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	50.26	5.55
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-1021	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	62.31	5.75
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-1022	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	67.28	5.85
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-1023	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	86.55	5.97
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-1024	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	102.71	6.06
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-1025	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	118.89	6.19
		For Work In Restricted Working Space, Add	*6.19*	
23 05 29 00-1026	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	121.21	6.36
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-1027	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	123.42	6.51
		For Work In Restricted Working Space, Add	*6.53*	
23 05 29 00-1028	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	155.70	6.68
		For Work In Restricted Working Space, Add	*6.68*	

23 05 29 00-1029 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0952)*

23 05 29 00-1030	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	42.06	5.25
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-1031	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.83	5.33
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-1032	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.76	5.43
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-1033	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.80	5.50
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-1034	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	60.19	5.68
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-1035	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	70.57	5.90
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-1036	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	72.91	5.98
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-1037	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	92.31	6.11
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-1038	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	111.36	6.18
		For Work In Restricted Working Space, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1039	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	130.65	6.35
		For Work In Restricted Working Space, Add	*6.34*	
23 05 29 00-1040	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	159.08	6.50
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-1041	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	187.38	6.67
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-1042	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	200.28	6.83
		For Work In Restricted Working Space, Add	*6.83*	
23 05 29 00-1043	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	210.68	7.00
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-1044	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	218.39	7.19
		For Work In Restricted Working Space, Add	*7.17*	

23 05 29 00-1045 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0924)*

23 05 29 00-1046	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	93.83	16.94
23 05 29 00-1047	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	100.08	19.64
23 05 29 00-1048	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	121.20	22.36
23 05 29 00-1049	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	126.75	24.39
23 05 29 00-1050	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	140.66	27.09
23 05 29 00-1051	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	161.30	33.87
23 05 29 00-1052	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	211.31	45.38
23 05 29 00-1053	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	266.50	67.74

23 05 29 00-1054 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0924)*

23 05 29 00-1055	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	114.32	16.94
23 05 29 00-1056	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	119.16	19.64
23 05 29 00-1057	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	127.80	21.00
23 05 29 00-1058	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	130.96	22.36
23 05 29 00-1059	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	137.98	24.39
23 05 29 00-1060	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	146.84	27.09
23 05 29 00-1061	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	186.23	33.87
23 05 29 00-1062	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	250.99	45.38
23 05 29 00-1063	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	332.18	67.74

23 05 29 00-1064 Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0924)*

23 05 29 00-1065	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	62.38	16.94
23 05 29 00-1066	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	67.22	19.64
23 05 29 00-1067	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	97.68	21.00
23 05 29 00-1068	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	100.84	22.36
23 05 29 00-1069	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	110.67	24.39
23 05 29 00-1070	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	122.71	27.09
23 05 29 00-1071	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	142.01	33.87
23 05 29 00-1072	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	168.20	45.38
23 05 29 00-1073	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	217.27	67.74

23 05 29 00-1074 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0924)*

Note: Insert is for use as isolated protective insulation at hangers.

23 05 29 00-1075 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1074)*

23 05 29 00-1076	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.56	8.91
23 05 29 00-1077	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.84	8.91
23 05 29 00-1078	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.92	8.91
23 05 29 00-1079	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.20	8.91
23 05 29 00-1080	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.60	9.45
23 05 29 00-1081	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.53	9.72
23 05 29 00-1082	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.60	10.14
23 05 29 00-1083	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.75	10.55
23 05 29 00-1084	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.67	10.97
23 05 29 00-1085	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.27	9.45
23 05 29 00-1086	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.01	12.33
23 05 29 00-1087	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.43	14.53
23 05 29 00-1088	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.38	16.86
23 05 29 00-1089	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.62	17.40

23 05 29 00-1090 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1074)*

23 05 29 00-1091	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.42	6.72
23 05 29 00-1092	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.83	6.72
23 05 29 00-1093	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.20	6.85
23 05 29 00-1094	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.76	6.99
23 05 29 00-1095	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.28	6.99
23 05 29 00-1096	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.21	7.26
23 05 29 00-1097	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.31	7.54
23 05 29 00-1098	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.90	7.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1099	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.01	8.35
23 05 29 00-1100	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.71	14.38
23 05 29 00-1101	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.19	10.82
23 05 29 00-1102	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.83	12.74
23 05 29 00-1103	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.19	14.66
23 05 29 00-1104	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.32	17.67
23 05 29 00-1105		**2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1074)*		
23 05 29 00-1106	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.05	7.68
23 05 29 00-1107	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.28	7.68
23 05 29 00-1108	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.97	7.81
23 05 29 00-1109	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.58	7.95
23 05 29 00-1110	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.20	8.08
23 05 29 00-1111	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.11	8.35
23 05 29 00-1112	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.39	8.63
23 05 29 00-1113	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.60	8.91
23 05 29 00-1114	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.19	9.45
23 05 29 00-1115	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.49	10.68
23 05 29 00-1116	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.40	18.22
23 05 29 00-1117	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.02	21.10
23 05 29 00-1118	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.52	24.94
23 05 29 00-1119	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.97	27.95
23 05 29 00-1120	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.22	31.51
23 05 29 00-1121	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	100.34	36.99
23 05 29 00-1122	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.43	41.10
23 05 29 00-1123	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.97	46.58
23 05 29 00-1124		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1074)*		
23 05 29 00-1125	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.29	8.91
23 05 29 00-1126	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.91
23 05 29 00-1127	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.40	9.04
23 05 29 00-1128	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.00	9.18
23 05 29 00-1129	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.62	9.18
23 05 29 00-1130	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.77	9.59
23 05 29 00-1131	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.21	9.87
23 05 29 00-1132	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.57	10.28
23 05 29 00-1133	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.51	10.82
23 05 29 00-1134	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.47	12.33
23 05 29 00-1135	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.58	13.70
23 05 29 00-1136	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.95	15.76
23 05 29 00-1137	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.47	19.59
23 05 29 00-1138	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.96	21.51
23 05 29 00-1139	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.46	27.40
23 05 29 00-1140	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.96	28.77
23 05 29 00-1141	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	113.63	32.89
23 05 29 00-1142	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	134.47	39.73
23 05 29 00-1143		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1074)*		
23 05 29 00-1144	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.92	9.18
23 05 29 00-1145	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.09	9.59
23 05 29 00-1146	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	66.56	9.59
23 05 29 00-1147	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.16	9.87
23 05 29 00-1148	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.04	10.14
23 05 29 00-1149	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.15	10.28
23 05 29 00-1150	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.93	10.55
23 05 29 00-1151	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.25	11.24
23 05 29 00-1152	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.28	11.64
23 05 29 00-1153	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.85	14.24
23 05 29 00-1154	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	128.75	15.62
23 05 29 00-1155	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	153.08	16.44
23 05 29 00-1156	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	175.90	21.23
23 05 29 00-1157	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	197.94	22.61
23 05 29 00-1158	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	237.44	30.14
23 05 29 00-1159	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	255.58	32.89
23 05 29 00-1160	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	289.40	35.62
23 05 29 00-1161	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	340.03	43.84
23 05 29 00-1162		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1074)*		
23 05 29 00-1163	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.29	8.91
23 05 29 00-1164	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.57	10.82
23 05 29 00-1165	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.71	10.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1166	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.39	10.97
23 05 29 00-1167	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.24	11.10
23 05 29 00-1168	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.45	11.51
23 05 29 00-1169	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.22	11.92
23 05 29 00-1170	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.76	12.33
23 05 29 00-1171	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.44	13.01
23 05 29 00-1172	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.36	14.80
23 05 29 00-1173	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.65	16.44
23 05 29 00-1174	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.95	18.90
23 05 29 00-1175	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.36	23.56
23 05 29 00-1176	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.56	25.75
23 05 29 00-1177	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	112.16	32.89
23 05 29 00-1178	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	119.95	34.53
23 05 29 00-1179	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	136.41	39.45
23 05 29 00-1180	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	161.38	47.67
23 05 29 00-1181		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1074)*		
23 05 29 00-1182	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.09	12.05
23 05 29 00-1183	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.44	12.05
23 05 29 00-1184	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.60	12.20
23 05 29 00-1185	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.51	12.33
23 05 29 00-1186	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.15	12.33
23 05 29 00-1187	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.26	13.15
23 05 29 00-1188	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.72	13.29
23 05 29 00-1189	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.62	13.84
23 05 29 00-1190	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.58	14.66
23 05 29 00-1191	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.26	16.57
23 05 29 00-1192	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.20	17.95
23 05 29 00-1193	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	80.97	21.38
23 05 29 00-1194	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.80	26.58
23 05 29 00-1195	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.29	28.91
23 05 29 00-1196	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	126.25	36.99
23 05 29 00-1197	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	134.86	38.78
23 05 29 00-1198	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	151.95	44.38
23 05 29 00-1199	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	181.58	53.71
23 05 29 00-1200	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	208.12	63.16
23 05 29 00-1201	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	238.18	74.53
23 05 29 00-1202	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	271.38	88.09
23 05 29 00-1203	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	393.38	136.04
23 05 29 00-1204	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	425.29	149.75
23 05 29 00-1205	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	454.22	161.66
23 05 29 00-1206		**Equipment Housekeeping Pads** *(23 05 29)*		
		See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
23 05 29 00-1207		**Molded Plastic Condenser Pad** *(23 05 29 00-1206)*		
23 05 29 00-1208	EA	30" Round Molded Plastic Pad	171.98	16.93
23 05 29 00-1209	EA	30" Octagon Molded Plastic Pad	181.07	16.93
23 05 29 00-1210	EA	30" x 30" Molded Plastic Pad	171.98	16.93
23 05 29 00-1211	EA	36" x 36" Molded Plastic Pad	226.42	16.93
23 05 29 00-1212	EA	36" x 48" Molded Plastic Pad	328.27	16.93
23 05 29 00-1213		**Inertia Base** *(23 05 29 00-1206)*		
		Note: Includes spring isolators.		
23 05 29 00-1214	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,099.00	
23 05 29 00-1215	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,535.05	
23 05 29 00-1216	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	2,903.63	
23 05 29 00-1217	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,317.20	
23 05 29 00-1218		**Hanger Assemblies** *(23 05 29)*		
		Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1219	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	58.06	21.06
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.55*	
23 05 29 00-1220	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	60.56	22.31
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.30*	
23 05 29 00-1221	EA	1" Standard Duty Clevis Pipe Hanger Assembly	62.59	23.65
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.90*	
23 05 29 00-1222	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	63.60	23.69
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*15.12*	
23 05 29 00-1223	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	63.83	23.69
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*15.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1224	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	65.04	23.87
		For Work In Restricted Working Space, Add	*15.34*	
23 05 29 00-1225	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	73.29	24.54
		For Work In Restricted Working Space, Add	*15.00*	
23 05 29 00-1226	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	75.25	25.25
		For Work In Restricted Working Space, Add	*15.23*	
23 05 29 00-1227	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	90.44	28.51
		For Work In Restricted Working Space, Add	*16.82*	
23 05 29 00-1228	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	133.22	36.83
		For Work In Restricted Working Space, Add	*22.10*	
23 05 29 00-1229	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	152.73	42.73
		For Work In Restricted Working Space, Add	*25.63*	
23 05 29 00-1230	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	213.44	54.28
		For Work In Restricted Working Space, Add	*32.16*	
23 05 29 00-1231	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	232.28	58.40
		For Work In Restricted Working Space, Add	*35.10*	

23 05 29 00-1232 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1233 Angle Iron For Hanger Devices *(23 05 29 00-1232)*

23 05 29 00-1234	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.18	1.97
23 05 29 00-1235	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.16	2.45
23 05 29 00-1236	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	5.12	2.95
23 05 29 00-1237	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	7.08	3.67
23 05 29 00-1238	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.91	3.93
23 05 29 00-1239	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.63	4.41
23 05 29 00-1240	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	13.24	5.37
23 05 29 00-1241	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	17.17	6.31
23 05 29 00-1242	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	20.50	7.37

23 05 29 00-1243 Channels For Hanger Devices *(23 05 29 00-1232)*

23 05 29 00-1244	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.96	4.76
23 05 29 00-1245	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	15.23	6.85
23 05 29 00-1246	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	18.99	8.22
23 05 29 00-1247	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	22.75	9.59
23 05 29 00-1248	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	27.54	11.52
23 05 29 00-1249	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	32.84	13.71
23 05 29 00-1250	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	37.20	15.08

23 05 29 00-1251 Structural Bar Tees For Hanger Devices *(23 05 29 00-1232)*

23 05 29 00-1252	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	10.09	6.70
23 05 29 00-1253	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	12.15	7.92
23 05 29 00-1254	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	17.20	9.14
23 05 29 00-1255	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	22.16	12.19
23 05 29 00-1256	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	30.23	14.63
23 05 29 00-1257	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	37.92	18.89

23 05 29 00-1258 Structural Zees For Hanger Devices *(23 05 29 00-1232)*

23 05 29 00-1259	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	17.22	9.14
23 05 29 00-1260	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	20.55	9.14
23 05 29 00-1261	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	29.99	9.14
23 05 29 00-1262	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	37.79	9.14
23 05 29 00-1263	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	45.90	9.14

23 05 29 00-1264 Junior I-beams For Hanger Devices *(23 05 29 00-1232)*

23 05 29 00-1265	LF	3" I-beam (Junior) For Hanger Devices	21.57	13.41
23 05 29 00-1266	LF	4" I-beam (Junior) For Hanger Devices	24.75	14.63
23 05 29 00-1267	LF	5" I-beam (Junior) For Hanger Devices	28.49	15.84
23 05 29 00-1268	LF	6" I-beam (Junior) For Hanger Devices	31.15	17.67
23 05 29 00-1269	LF	7" I-beam (Junior) For Hanger Devices	36.87	18.89
23 05 29 00-1270	LF	8" I-beam (Junior) For Hanger Devices	39.90	20.11

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13		**Vibration Controls for HVAC** *(23 05 48)*		
23 05 48 13-0001		Unhoused Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	127.72	37.91
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	136.12	37.91
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	163.99	37.91
23 05 48 13-0005		Housed Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	278.89	37.91
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	310.22	37.91
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	325.89	37.91
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	388.55	37.91
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	404.22	37.91
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	306.30	37.91
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	333.72	37.91
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	353.30	37.91
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	443.38	37.91
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	478.63	37.91
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	560.88	37.91
23 05 48 13-0017		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	172.12	24.39
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	365.19	27.09
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	94.78	20.32
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	123.10	24.39
23 05 48 13-0024		Spring Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	107.33	24.39
23 05 48 13-0026		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	197.40	46.06
23 05 48 13-0028	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	271.78	46.06
23 05 48 13-0029	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	527.00	46.06
23 05 48 13-0030		Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0017)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	166.06	46.06
23 05 48 13-0032	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	171.60	46.06
23 05 48 13-0033		Open Double Spring Type Vibration Isolator *(23 05 48 13-0017)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	130.95	23.03
23 05 48 13-0035	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	130.95	23.03
23 05 48 13-0036	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	149.43	23.03
23 05 48 13-0037	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	149.43	23.03
23 05 48 13-0038	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	232.98	23.03
23 05 48 13-0039		Isolation Pads *(23 05 48 13-0017)*		
23 05 48 13-0040		Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	8.20	3.39
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	10.49	3.52
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	13.10	3.65
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	51.58	4.20
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	98.61	4.74
23 05 48 13-0046		Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	102.51	3.39
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	113.08	3.39
23 05 48 13-0049		Neoprene Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.65	3.39
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.72	3.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	10.40	3.39
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	50.74	4.07
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	92.68	4.74
23 05 48 13-0055		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	91.44	21.68
23 05 48 13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	106.64	29.81
23 05 48 13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	130.96	36.58
23 05 48 13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	152.29	43.35
23 05 48 13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	174.49	56.90
23 05 48 13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	196.42	60.56
23 05 48 13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	263.45	71.81
23 05 48 13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	364.68	111.91
23 05 48 13-0064		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	279.84	77.76
23 05 48 13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	326.24	85.35
23 05 48 13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	366.92	90.36
23 05 48 13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	410.55	102.97
23 05 48 13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	464.88	111.09
23 05 48 13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	584.33	144.55
23 05 48 13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	870.00	162.57
23 05 48 13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,071.40	182.90
23 05 48 13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,485.56	270.96
23 05 48 13-0074		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0075		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0074)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	277.18	101.60
23 05 48 13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	299.66	112.86
23 05 48 13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	483.76	225.43
23 05 48 13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	667.73	335.30
23 05 48 13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	870.66	432.85
23 05 48 13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,116.03	450.38
23 05 48 13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,359.57	514.39
23 05 48 13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,765.57	612.15
23 05 48 13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,219.03	765.64
23 05 48 13-0085		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0074)*		
		Note: With braided metal wire.		
23 05 48 13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	214.64	92.40
23 05 48 13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	205.14	127.08
23 05 48 13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	400.80	169.34
23 05 48 13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	517.13	254.02
23 05 48 13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	555.57	279.50
23 05 48 13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	644.44	338.42
23 05 48 13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	825.08	433.25
23 05 48 13-0093	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,729.78	700.69
23 05 48 13-0094	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,512.83	597.73
23 05 48 13-0095	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,142.14	539.37
23 05 48 13-0096	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,175.81	675.56
23 05 48 13-0097	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,882.82	720.61
23 05 48 13-0098	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,217.35	833.26
23 05 48 13-0099	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,868.32	900.75
23 05 48 13-0100		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0074)*		
		Note: 150 PSI.		
23 05 48 13-0101	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,231.05	196.44
23 05 48 13-0102	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,379.92	230.31
23 05 48 13-0103	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,088.17	387.07
23 05 48 13-0104	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,536.75	450.38
23 05 48 13-0105	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,341.71	552.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0106		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0107		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0106)*		
		Note: MPT connection.		
23 05 48 13-0108	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	48.96	2.70
23 05 48 13-0109	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.61	2.70
23 05 48 13-0110	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	65.11	3.52
23 05 48 13-0111	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.32	3.52
23 05 48 13-0112	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	65.60	3.25
23 05 48 13-0113	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.36	3.25
23 05 48 13-0114	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.71	4.20
23 05 48 13-0115	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	112.14	4.20
23 05 48 13-0116	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	89.60	3.79
23 05 48 13-0117	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	98.05	3.79
23 05 48 13-0118	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	116.41	5.01
23 05 48 13-0119	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	147.76	5.01
23 05 48 13-0120	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	178.87	5.01
23 05 48 13-0121	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	210.08	5.01
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.72	4.87
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	140.88	4.87
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	180.99	4.87
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	251.70	6.48
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	292.11	6.48
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.89	6.48
23 05 48 13-0128	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	174.99	5.87
23 05 48 13-0129	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	202.49	5.87
23 05 48 13-0130	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	255.75	5.87
23 05 48 13-0131	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.10	7.85
23 05 48 13-0132	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	422.27	7.85
23 05 48 13-0133	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	503.38	7.85
23 05 48 13-0134	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	243.19	7.36
23 05 48 13-0135	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	277.06	6.99
23 05 48 13-0136	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.27	6.99
23 05 48 13-0137	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	383.74	9.35
23 05 48 13-0138	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	452.54	9.35
23 05 48 13-0139	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	519.20	9.35
23 05 48 13-0140	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	383.78	9.35
23 05 48 13-0141	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	429.47	9.35
23 05 48 13-0142	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	799.86	9.35
23 05 48 13-0143	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	963.74	12.47
23 05 48 13-0144	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	665.42	12.47
23 05 48 13-0145	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	755.35	12.47
23 05 48 13-0146	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	702.39	10.50
23 05 48 13-0147	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	755.79	10.50
23 05 48 13-0148	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	809.19	10.50
23 05 48 13-0149	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	924.63	14.01
23 05 48 13-0150	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,031.01	14.01
23 05 48 13-0151	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,139.68	14.01
23 05 48 13-0152		Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0106)*		
		Note: Over braided carbon steel connection.		
23 05 48 13-0153	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.67	5.95
23 05 48 13-0154	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	252.36	5.95
23 05 48 13-0155	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	295.23	5.95
23 05 48 13-0156	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	386.40	7.97
23 05 48 13-0157	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	473.30	7.97
23 05 48 13-0158	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	560.09	7.97
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	236.51	6.99
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	282.17	6.99
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	328.04	6.99
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	424.94	9.35
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	516.30	9.35
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	606.40	9.35
23 05 48 13-0165	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	250.64	9.35
23 05 48 13-0166	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	302.95	9.60
23 05 48 13-0167	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	356.00	9.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0168	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	471.46	12.47
23 05 48 13-0169	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	577.00	12.47
23 05 48 13-0170	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	685.53	12.47
23 05 48 13-0171	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	505.47	18.22
23 05 48 13-0172	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	747.38	18.34
23 05 48 13-0173	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,002.39	24.15
23 05 48 13-0174	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,244.41	24.15
23 05 48 13-0175	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,486.35	24.15
23 05 48 13-0176	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	876.46	21.35
23 05 48 13-0177	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,059.49	21.35
23 05 48 13-0178	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,436.72	27.76
23 05 48 13-0179	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,799.80	27.76
23 05 48 13-0180	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,162.79	27.76
23 05 48 13-0181	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	937.91	26.69
23 05 48 13-0182	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,395.50	26.69
23 05 48 13-0183	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,869.41	34.75
23 05 48 13-0184	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,328.59	34.75
23 05 48 13-0185	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,785.84	34.75
23 05 48 13-0186	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,866.11	32.26
23 05 48 13-0187	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,437.17	32.26
23 05 48 13-0188	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,048.25	43.41
23 05 48 13-0189	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,624.32	43.41
23 05 48 13-0190	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,203.09	43.41
23 05 48 13-0191		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0106)* Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0192	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	356.89	5.87
23 05 48 13-0193	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	700.20	166.23
23 05 48 13-0194	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	849.04	166.23
23 05 48 13-0195	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	997.88	166.23
23 05 48 13-0196	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,146.78	166.23
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	655.00	211.99
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	811.84	211.99
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	968.74	211.99
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,125.70	211.99
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,279.91	211.99
23 05 48 13-0202	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	925.41	355.40
23 05 48 13-0203	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,108.48	356.28
23 05 48 13-0204	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,294.52	355.40
23 05 48 13-0205	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,502.54	355.40
23 05 48 13-0206	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,661.48	355.40
23 05 48 13-0207	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,414.72	455.35
23 05 48 13-0208	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,829.52	455.35

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23 05 48 13-0209	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,244.55	456.97
23 05 48 13-0210	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,659.40	455.35
23 05 48 13-0211	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,074.20	455.35
23 05 48 13-0212	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,279.89	545.66
23 05 48 13-0213	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,593.69	545.66
23 05 48 13-0214	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,215.86	545.66
23 05 48 13-0215	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,838.26	545.66
23 05 48 13-0216	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,460.37	545.66
23 05 48 13-0217	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,685.61	664.27
23 05 48 13-0218	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,467.43	664.27
23 05 48 13-0219	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,254.50	664.27
23 05 48 13-0220	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,039.87	664.27
23 05 48 13-0221	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,674.60	664.27
23 05 48 13-0222	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,983.83	806.62
23 05 48 13-0223	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,975.93	806.62
23 05 48 13-0224	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,967.98	806.62
23 05 48 13-0225	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,960.02	806.62
23 05 48 13-0226	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,952.12	806.62

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	23.78
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	24.12
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	24.30
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	24.65
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	28.69
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	29.31
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	46.76
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	47.24
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	47.76
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	48.04
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	48.33
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	48.63
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	50.95
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	51.27
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	63.25
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	65.37
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	75.27
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	86.35

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.87
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.56
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.92
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.18
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.46
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.88
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.50
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.05
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.45
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.86
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.71
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.62
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.41
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.21
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.13
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	31.61
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	37.00

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0039		Valve Identification Tag *(23 05 53 00-0001)*		
		Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	13.80	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	13.01	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	12.76	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001		Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,123.17	90.37
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,172.45	94.83
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,175.43	98.90
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,230.34	103.91
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,331.70	108.38
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,198.72	111.77
23 05 66 00-0008		Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	941.51	62.59
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	954.08	67.74
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	978.22	71.80
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	989.95	77.22
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	1,014.92	81.29
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	1,033.27	85.35
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	1,057.42	90.77
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,073.52	62.59
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,086.09	67.74
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,110.23	71.80
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,121.96	77.22
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,146.93	81.29
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,165.28	85.35
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,189.43	90.77
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	747.43	67.74
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	771.57	71.80
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	783.30	77.22
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	808.28	81.29
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	826.62	85.35
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	850.77	90.77
23 05 66 00-0029		Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	689.28	86.71
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	704.25	90.77
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	719.22	94.83
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	739.51	98.90
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	765.87	103.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	789.04	108.38

23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*

23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	182.21	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	191.61	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	218.02	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	252.02	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	286.78	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	277.88	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	134.02	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	141.15	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	159.88	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	166.19	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	185.74	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	198.68	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	217.39	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	535.39	

23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	744.80	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	953.09	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	433.13	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	458.63	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	591.71	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	367.80	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	399.16	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	519.86	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	512.63	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	19.29	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	65.01	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	22.28	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	21.02	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	59.84	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	71.57	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	63.53	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	51.46	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	48.59	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	26.07	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	54.68	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	26.19	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	104.42	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	109.82	

23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,523.21	125.32
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,703.51	132.09
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,767.72	142.25
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,849.47	152.41
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,904.90	162.57
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,295.83	169.34
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,298.56	132.09
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,389.09	142.25
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,760.46	152.41
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,868.55	162.57

23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	971.03	132.09
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,597.75	132.09
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,225.32	132.09
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,001.48	142.25
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,636.63	142.25
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,272.63	142.25
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,030.23	152.41
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	1,675.51	152.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,319.94	152.41
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,140.86	169.34
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	1,847.71	169.34
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	2,554.56	169.34
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,329.10	186.28
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,191.16	186.28
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	3,052.37	186.28

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	594.31
		For Testing Of Unit Without Balancing, Deduct	*-297.16*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	742.59
		For Testing Of Unit Without Balancing, Deduct	*-371.30*
23 05 93 00-0004	EA	Balancing In Line Fan	668.60
		For Testing Of Unit Without Balancing, Deduct	*-334.30*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	148.58
		For Testing Of Unit Without Balancing, Deduct	*-74.29*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	445.69
		For Testing Of Unit Without Balancing, Deduct	*-222.85*
23 05 93 00-0007	EA	Balancing Wall Fan	111.41
		For Testing Of Unit Without Balancing, Deduct	*-55.71*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	593.37
		For Testing Of Unit Without Balancing, Deduct	*-296.69*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	998.30
		For Testing Of Unit Without Balancing, Deduct	*-499.15*
23 05 93 00-0011	EA	Balancing Package A/C Unit	374.36
		For Testing Of Unit Without Balancing, Deduct	*-187.18*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	499.15
		For Testing Of Unit Without Balancing, Deduct	*-249.58*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,747.03
		For Testing Of Unit Without Balancing, Deduct	*-873.52*

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	111.43
		For Testing Of Unit Without Balancing, Deduct	*-55.72*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	185.73
		For Testing Of Unit Without Balancing, Deduct	*-92.87*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	96.57
		For Testing Of Unit Without Balancing, Deduct	*-48.29*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	104.64
		For Testing Of Unit Without Balancing, Deduct	*-52.32*
23 05 93 00-0019	EA	Balance Constant Volume Box	104.64
		For Testing Of Unit Without Balancing, Deduct	*-52.32*
23 05 93 00-0020	EA	Balance Fan Powered Box	118.86
		For Testing Of Unit Without Balancing, Deduct	*-59.43*
23 05 93 00-0021	EA	Balance Lab Fume Hood	482.89
		For Testing Of Unit Without Balancing, Deduct	*-241.45*
23 05 93 00-0022	EA	Balance General Hood	371.44
		For Testing Of Unit Without Balancing, Deduct	*-185.72*
23 05 93 00-0023	EA	Balance Induction Unit	222.87
		For Testing Of Unit Without Balancing, Deduct	*-111.44*
23 05 93 00-0024	EA	Balance Moduline - Master	89.12
		For Testing Of Unit Without Balancing, Deduct	*-44.56*
23 05 93 00-0025	EA	Balance Moduline - Slave	44.57
		For Testing Of Unit Without Balancing, Deduct	*-22.29*
23 05 93 00-0026	EA	Balance Dampers	41.39
		For Testing Of Unit Without Balancing, Deduct	*-20.70*
23 05 93 00-0027	EA	Balance Regenerators	593.37
		For Testing Of Unit Without Balancing, Deduct	*-296.69*

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	686.40
		For Testing Of Unit Without Balancing, Deduct	*-343.20*
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	87.35
		For Testing Of Unit Without Balancing, Deduct	*-43.68*
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	748.67
		For Testing Of Unit Without Balancing, Deduct	*-374.34*
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	998.30
		For Testing Of Unit Without Balancing, Deduct	*-499.15*
23 05 93 00-0033	EA	Water Balance, Cooling Tower	499.15
		For Testing Of Unit Without Balancing, Deduct	*-249.58*
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	124.86
		For Testing Of Unit Without Balancing, Deduct	*-62.43*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	124.79	
		For Testing Of Unit Without Balancing, Deduct	*-62.40*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	137.26	
		For Testing Of Unit Without Balancing, Deduct	*-68.63*	
23 05 93 00-0037	EA	Water Balance, Pumps	374.38	
		For Testing Of Unit Without Balancing, Deduct	*-187.19*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	87.35	
		For Testing Of Unit Without Balancing, Deduct	*-43.68*	
23 05 93 00-0039	EA	Water Balancing, Converter	374.52	
		For Testing Of Unit Without Balancing, Deduct	*-187.26*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	62.38	
		For Testing Of Unit Without Balancing, Deduct	*-31.19*	
23 05 93 00-0041	EA	Water Balance, Convector	74.86	
		For Testing Of Unit Without Balancing, Deduct	*-37.43*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	93.59	
		For Testing Of Unit Without Balancing, Deduct	*-46.80*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	811.13	
		For Testing Of Unit Without Balancing, Deduct	*-405.57*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,497.46	
		For Testing Of Unit Without Balancing, Deduct	*-748.73*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,745.35	
		For Testing Of Unit Without Balancing, Deduct	*-1,372.68*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,152.63

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	101.92
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	116.07
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	130.20
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	137.57
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	144.93
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	152.88
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	167.61
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	182.33
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	190.30
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	202.88

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	86.99
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	93.76
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	100.53
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	103.93
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	109.00
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	114.08
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	124.25
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	134.41
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	144.56
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	154.73

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing *(23 05 93 00-0073)*

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	891.31
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,273.28
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,525.65
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,032.18
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	3,079.04
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,185.07
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,693.48
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	2,016.04
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,641.80
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,996.58
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,544.45
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,201.51
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,323.94
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	3,044.55
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,605.84
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	2,005.08
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,858.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	3,021.73	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,963.30	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	6,005.03	
23 05 93 00-0095		Pneumatic Testing *(23 05 93 00-0046)*		
		Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing	1,012.78	
		Note: Includes soaping joints.		
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,445.55	
		Note: Includes soaping joints.		
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,561.06	
		Note: Includes soaping joints.		
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	1,998.38	
		Note: Includes soaping joints.		
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	3,124.53	
		Note: Includes soaping joints.		
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,321.58	
		Note: Includes soaping joints.		
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	1,877.11	
		Note: Includes soaping joints.		
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	2,029.31	
		Note: Includes soaping joints.		
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing	2,598.60	
		Note: Includes soaping joints.		
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing	4,061.63	
		Note: Includes soaping joints.		
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing	1,591.85	
		Note: Includes soaping joints.		
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing	2,247.09	
		Note: Includes soaping joints.		
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing	2,541.92	
		Note: Includes soaping joints.		
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing	3,246.29	
		Note: Includes soaping joints.		
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing	5,081.44	
		Note: Includes soaping joints.		
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing	2,072.61	
		Note: Includes soaping joints.		
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing	2,921.30	
		Note: Includes soaping joints.		
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing	3,305.26	
		Note: Includes soaping joints.		
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing	4,220.56	
		Note: Includes soaping joints.		
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing	6,615.63	
		Note: Includes soaping joints.		
23 05 93 00-0117		EPA Testing Of Sludge *(23 05 93)*		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,097.53	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	108.78	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,684.71	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,277.83	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001		FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002		Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*		
23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.56	2.74
		For Plain Blanket, With No Facing, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.10*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.32	2.74
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.28*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.02	4.11
		For Plain Blanket, With No Facing, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.47*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.12	4.79
		For Plain Blanket, With No Facing, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*1.72*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.38	5.21
		For Plain Blanket, With No Facing, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0008		**Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.61	4.11
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.37*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.54	4.79
		For Plain Blanket, With No Facing, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	7.71	5.48
		For Plain Blanket, With No Facing, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.87*	
23 07 13 00-0012		**Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.28	5.48
		For Plain Blanket, With No Facing, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.65*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.35	6.16
		For Plain Blanket, With No Facing, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*1.88*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.92	6.85
		For Plain Blanket, With No Facing, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*2.19*	
23 07 13 00-0016		**3 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	12.78	7.29
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*29.64*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*21.91*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*18.07*	
		For Work In Restricted Working Space, Add	*3.65*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	16.23	8.87
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*36.52*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*27.33*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*22.46*	
		For Work In Restricted Working Space, Add	*4.44*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	20.11	10.70
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*44.44*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*33.51*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*27.47*	
		For Work In Restricted Working Space, Add	*5.36*	
23 07 13 00-0020		**4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	14.29	8.02
		For Work In Restricted Working Space, Add	*4.02*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	18.30	9.76
		For Work In Restricted Working Space, Add	*4.88*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	23.21	11.77
		For Work In Restricted Working Space, Add	*5.90*	
23 07 13 00-0024		**Sheet Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	11.25	3.70
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	12.03	3.90
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	15.83	4.11
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	18.26	4.32
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	25.34	4.73
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	29.99	5.13
23 07 13 00-0031		**Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.73	3.90
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.41	4.11
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.52	4.32
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.10	4.73
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	38.07	5.13
23 07 13 00-0037		**Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.08	3.90
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.76	4.11
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	24.45	4.32
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	36.00	4.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001 Calcium Silicate Block Insulation *(23 07 16)*

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	20.75	8.76
		For Work In Restricted Working Space, Add	*5.25*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	24.56	9.86
		For Work In Restricted Working Space, Add	*5.91*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	29.29	11.36
		For Work In Restricted Working Space, Add	*6.84*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	34.79	13.35
		For Work In Restricted Working Space, Add	*8.01*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	42.57	16.42
		For Work In Restricted Working Space, Add	*9.86*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0697 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.50	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.50	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.44	4.57
		For Work In Restricted Working Space, Add	*3.43*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.69	4.63
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.89	4.70
		For Work In Restricted Working Space, Add	*3.52*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.00	4.83
		For Work In Restricted Working Space, Add	*3.62*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.84	5.02
		For Work In Restricted Working Space, Add	*3.77*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.63	5.15
		For Work In Restricted Working Space, Add	*3.86*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	22.30	5.55
		For Work In Restricted Working Space, Add	*4.16*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	24.87	6.25
		For Work In Restricted Working Space, Add	*4.69*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.27	4.69
		For Work In Restricted Working Space, Add	*3.52*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.36	4.69
		For Work In Restricted Working Space, Add	*3.52*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.57	4.97
		For Work In Restricted Working Space, Add	*3.73*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.28	5.06
		For Work In Restricted Working Space, Add	*3.80*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.00	5.15
		For Work In Restricted Working Space, Add	*3.87*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.44	5.44
		For Work In Restricted Working Space, Add	*4.08*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.39	5.54
		For Work In Restricted Working Space, Add	*4.15*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.23	5.72
		For Work In Restricted Working Space, Add	*4.29*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.81	6.18
		For Work In Restricted Working Space, Add	*4.64*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	29.96	7.22
		For Work In Restricted Working Space, Add	*5.42*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	34.83	7.63
		For Work In Restricted Working Space, Add	*5.72*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.69	9.13
		For Work In Restricted Working Space, Add	*6.84*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	51.33	10.62
		For Work In Restricted Working Space, Add	*7.97*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	57.10	11.64
		For Work In Restricted Working Space, Add	*8.73*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	68.40	14.83
		For Work In Restricted Working Space, Add	*11.12*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	73.56	15.57
		For Work In Restricted Working Space, Add	*11.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0030		**2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.63	5.15
		For Work In Restricted Working Space, Add	*3.86*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.11	5.15
		For Work In Restricted Working Space, Add	*3.86*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.76	5.22
		For Work In Restricted Working Space, Add	*3.91*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.63	5.29
		For Work In Restricted Working Space, Add	*3.96*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.25	5.35
		For Work In Restricted Working Space, Add	*4.01*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.27	5.55
		For Work In Restricted Working Space, Add	*4.16*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.08	5.74
		For Work In Restricted Working Space, Add	*4.31*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.61	5.94
		For Work In Restricted Working Space, Add	*4.45*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.59	6.26
		For Work In Restricted Working Space, Add	*4.70*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	38.65	7.52
		For Work In Restricted Working Space, Add	*5.63*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	43.49	7.93
		For Work In Restricted Working Space, Add	*5.95*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	53.45	9.49
		For Work In Restricted Working Space, Add	*7.12*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.45	11.37
		For Work In Restricted Working Space, Add	*8.53*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	75.97	15.86
		For Work In Restricted Working Space, Add	*11.90*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	79.68	15.86
		For Work In Restricted Working Space, Add	*11.90*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	85.29	16.64
		For Work In Restricted Working Space, Add	*12.49*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	101.36	19.04
		For Work In Restricted Working Space, Add	*14.27*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	118.36	23.00
		For Work In Restricted Working Space, Add	*17.25*	
23 07 19 00-0049		**2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.86	5.94
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.36	5.94
		For Work In Restricted Working Space, Add	*4.46*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.81	6.04
		For Work In Restricted Working Space, Add	*4.53*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.07	6.08
		For Work In Restricted Working Space, Add	*4.56*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.73	6.13
		For Work In Restricted Working Space, Add	*4.60*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.90	6.39
		For Work In Restricted Working Space, Add	*4.79*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.27	6.61
		For Work In Restricted Working Space, Add	*4.95*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.86	6.84
		For Work In Restricted Working Space, Add	*5.13*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.72	7.21
		For Work In Restricted Working Space, Add	*5.41*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	46.67	8.19
		For Work In Restricted Working Space, Add	*6.14*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	53.19	9.13
		For Work In Restricted Working Space, Add	*6.85*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	63.39	10.53
		For Work In Restricted Working Space, Add	*7.90*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	74.05	13.09
		For Work In Restricted Working Space, Add	*9.82*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	81.86	14.29
		For Work In Restricted Working Space, Add	*10.72*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	99.72	18.27
		For Work In Restricted Working Space, Add	*13.70*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	105.26	19.18
		For Work In Restricted Working Space, Add	*14.39*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	122.00	21.92
		For Work In Restricted Working Space, Add	*16.44*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	143.59	26.49
		For Work In Restricted Working Space, Add	*19.86*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.30	6.58
		For Work In Restricted Working Space, Add	*4.93*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.42	6.58
		For Work In Restricted Working Space, Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.70	6.65
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.04	6.69
		For Work In Restricted Working Space, Add	*5.02*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.36	6.76
		For Work In Restricted Working Space, Add	*5.07*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.50	7.01
		For Work In Restricted Working Space, Add	*5.26*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.10	7.25
		For Work In Restricted Working Space, Add	*5.44*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.90	7.52
		For Work In Restricted Working Space, Add	*5.63*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	45.54	7.94
		For Work In Restricted Working Space, Add	*5.95*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	53.87	9.01
		For Work In Restricted Working Space, Add	*6.76*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	62.43	10.04
		For Work In Restricted Working Space, Add	*7.53*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	74.03	11.58
		For Work In Restricted Working Space, Add	*8.69*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	85.86	14.40
		For Work In Restricted Working Space, Add	*10.80*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	95.23	15.73
		For Work In Restricted Working Space, Add	*11.79*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	112.02	20.09
		For Work In Restricted Working Space, Add	*15.07*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	120.59	21.10
		For Work In Restricted Working Space, Add	*15.83*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	141.00	24.12
		For Work In Restricted Working Space, Add	*18.09*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	166.99	29.14
		For Work In Restricted Working Space, Add	*21.85*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.78	7.21
		For Work In Restricted Working Space, Add	*5.41*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.22	7.21
		For Work In Restricted Working Space, Add	*5.41*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.33	7.25
		For Work In Restricted Working Space, Add	*5.44*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.45	7.30
		For Work In Restricted Working Space, Add	*5.48*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	43.74	7.39
		For Work In Restricted Working Space, Add	*5.55*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.34	7.65
		For Work In Restricted Working Space, Add	*5.73*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	50.18	7.92
		For Work In Restricted Working Space, Add	*5.93*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.97	8.19
		For Work In Restricted Working Space, Add	*6.15*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	58.96	8.66
		For Work In Restricted Working Space, Add	*6.50*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	65.84	9.84
		For Work In Restricted Working Space, Add	*7.37*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	79.83	10.96
		For Work In Restricted Working Space, Add	*8.21*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.78	12.64
		For Work In Restricted Working Space, Add	*9.48*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	117.30	15.71
		For Work In Restricted Working Space, Add	*11.78*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	123.78	17.15
		For Work In Restricted Working Space, Add	*12.86*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	145.01	21.92
		For Work In Restricted Working Space, Add	*16.44*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	165.84	23.02
		For Work In Restricted Working Space, Add	*17.26*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	179.46	26.33
		For Work In Restricted Working Space, Add	*19.74*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.57	8.01
		For Work In Restricted Working Space, Add	*6.00*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.61	8.01
		For Work In Restricted Working Space, Add	*6.00*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.97	8.14
		For Work In Restricted Working Space, Add	*6.11*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	52.33	8.24
		For Work In Restricted Working Space, Add	*6.18*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.33	8.49
		For Work In Restricted Working Space, Add	*6.37*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	56.51	8.76
		For Work In Restricted Working Space, Add	*6.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	61.48	8.90
		For Work In Restricted Working Space, Add	*6.67*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.29	9.22
		For Work In Restricted Working Space, Add	*6.92*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	71.59	9.73
		For Work In Restricted Working Space, Add	*7.30*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	82.75	11.05
		For Work In Restricted Working Space, Add	*8.29*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	98.30	12.32
		For Work In Restricted Working Space, Add	*9.24*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	113.21	14.23
		For Work In Restricted Working Space, Add	*10.67*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	129.41	17.67
		For Work In Restricted Working Space, Add	*13.25*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	137.83	19.31
		For Work In Restricted Working Space, Add	*14.48*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	163.82	24.68
		For Work In Restricted Working Space, Add	*18.51*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	174.09	25.86
		For Work In Restricted Working Space, Add	*19.40*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	193.00	29.61
		For Work In Restricted Working Space, Add	*22.20*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.75	
		For Work In Restricted Working Space, Add	*1.28*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	868.52	17.48
23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	897.25	23.56
23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	981.52	28.52
23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,070.20	36.13
23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,218.96	41.69
23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,377.27	49.27
23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,574.70	98.53
23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,789.70	115.30
23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,763.11	169.34
23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,536.03	244.73
23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	6,132.01	270.96
23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	933.09	26.22
23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	960.38	35.35
23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,039.66	42.79
23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,151.35	54.19
23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,480.08	62.53
23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,641.10	73.90
23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,895.64	147.79
23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,181.04	172.95
23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,628.70	254.02
23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,714.01	367.10
23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,464.11	406.43
23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	162.92	17.48
23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	191.50	23.56
23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	241.50	28.52
23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	198.15	26.22
23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	230.51	35.35
23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	288.62	42.79
23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	273.80	17.48
23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	323.93	23.56
23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	368.06	28.52
23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	479.10	36.13
23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	494.58	41.69
23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	630.96	49.27
23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,357.14	98.53
23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,593.48	115.30
23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	330.58	26.22
23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	381.13	35.35
23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	492.56	42.79
23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	700.40	54.19
23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	737.09	62.53
23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	978.98	73.90
23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	792.32	90.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	831.10	98.53
23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	1,095.99	115.30
23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,669.26	193.54
23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	3,395.22	244.73
23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,579.00	270.96
23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,882.59	309.67
23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,990.65	379.34
23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	7,405.79	459.81
23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	8,222.00	541.91
23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	10,902.81	596.11
23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	13,228.62	662.22
23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,471.74	135.48
23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,736.58	147.79
23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	2,146.20	172.95
23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,736.35	290.31
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	5,660.93	367.10
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,854.49	406.43
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	7,392.21	464.54
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	9,796.46	569.00
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	11,908.05	689.70
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	18,649.14	812.87
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	20,797.84	894.15
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	32,106.32	993.33

23 09 23 11-0068 Valve Actuators *(23 09 23 11)*

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	538.16	111.93
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	546.85	111.93
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	646.35	111.93
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	619.07	111.93
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	631.75	111.93
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	715.08	111.93
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	814.76	111.93
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	831.94	111.93
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	873.37	111.93
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	628.80	111.93
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	715.72	111.93
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	673.80	111.93
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	686.52	111.93
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	691.27	111.93
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	777.76	111.93
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	815.05	111.93
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	834.86	111.93
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	830.92	111.93
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	843.61	111.93
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	842.81	111.93
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	925.10	111.93
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,133.22	111.93
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	734.90	111.93
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	887.27	111.93
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	2,082.17	111.93
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,342.40	111.93
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,824.02	111.93
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	3,207.25	111.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,807.88	111.93
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	4,496.60	111.93
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	6,080.30	111.93
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	7,436.26	111.93

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	234.80	46.06
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	264.54	50.51
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	295.73	55.72
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	342.01	65.37
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	386.80	74.28
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	391.89	83.58
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	480.17	92.86
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	573.47	111.43
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	735.35	130.01
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,088.25	148.58
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,987.30	167.15
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,522.25	185.73

23 09 23 12-0014 Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0015 Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0014)*

23 09 23 12-0016	EA	8" x 8" Volume Control Damper (Ruskin CD36)	214.25	55.72
23 09 23 12-0017	EA	8" x 12" Volume Control Damper (Ruskin CD36)	228.94	55.72
23 09 23 12-0018	EA	8" x 16" Volume Control Damper (Ruskin CD36)	246.69	55.72
23 09 23 12-0019	EA	8" x 20" Volume Control Damper (Ruskin CD36)	324.85	74.28
23 09 23 12-0020	EA	8" x 24" Volume Control Damper (Ruskin CD36)	351.17	74.28
23 09 23 12-0021	EA	8" x 28" Volume Control Damper (Ruskin CD36)	365.86	74.28
23 09 23 12-0022	EA	8" x 32" Volume Control Damper (Ruskin CD36)	404.41	74.28
23 09 23 12-0023	EA	8" x 36" Volume Control Damper (Ruskin CD36)	479.51	92.86
23 09 23 12-0024	EA	12" x 8" Volume Control Damper (Ruskin CD36)	228.94	55.72
23 09 23 12-0025	EA	12" x 12" Volume Control Damper (Ruskin CD36)	237.51	55.72
23 09 23 12-0026	EA	12" x 16" Volume Control Damper (Ruskin CD36)	292.41	74.28
23 09 23 12-0027	EA	12" x 20" Volume Control Damper (Ruskin CD36)	333.42	74.28
23 09 23 12-0028	EA	12" x 24" Volume Control Damper (Ruskin CD36)	397.50	92.86
23 09 23 12-0029	EA	12" x 28" Volume Control Damper (Ruskin CD36)	412.19	92.86
23 09 23 12-0030	EA	12" x 32" Volume Control Damper (Ruskin CD36)	450.13	92.86
23 09 23 12-0031	EA	12" x 36" Volume Control Damper (Ruskin CD36)	525.21	111.43
23 09 23 12-0032	EA	16" x 8" Volume Control Damper (Ruskin CD36)	246.69	55.72
23 09 23 12-0033	EA	16" x 12" Volume Control Damper (Ruskin CD36)	304.04	74.28
23 09 23 12-0034	EA	16" x 16" Volume Control Damper (Ruskin CD36)	313.83	74.28
23 09 23 12-0035	EA	16" x 20" Volume Control Damper (Ruskin CD36)	379.75	92.86
23 09 23 12-0036	EA	16" x 24" Volume Control Damper (Ruskin CD36)	409.13	92.86
23 09 23 12-0037	EA	16" x 28" Volume Control Damper (Ruskin CD36)	466.45	111.43
23 09 23 12-0038	EA	16" x 32" Volume Control Damper (Ruskin CD36)	498.89	111.43
23 09 23 12-0039	EA	16" x 36" Volume Control Damper (Ruskin CD36)	534.39	111.43
23 09 23 12-0040	EA	20" x 8" Volume Control Damper (Ruskin CD36)	324.85	74.28
23 09 23 12-0041	EA	20" x 12" Volume Control Damper (Ruskin CD36)	286.90	74.28
23 09 23 12-0042	EA	20" x 16" Volume Control Damper (Ruskin CD36)	350.37	92.86
23 09 23 12-0043	EA	20" x 20" Volume Control Damper (Ruskin CD36)	388.32	92.86
23 09 23 12-0044	EA	20" x 24" Volume Control Damper (Ruskin CD36)	449.32	111.43
23 09 23 12-0045	EA	20" x 28" Volume Control Damper (Ruskin CD36)	484.20	111.43
23 09 23 12-0046	EA	20" x 32" Volume Control Damper (Ruskin CD36)	551.34	130.01
23 09 23 12-0047	EA	20" x 36" Volume Control Damper (Ruskin CD36)	583.17	130.01
23 09 23 12-0048	EA	24" x 8" Volume Control Damper (Ruskin CD36)	286.90	74.28
23 09 23 12-0049	EA	24" x 12" Volume Control Damper (Ruskin CD36)	332.62	92.86
23 09 23 12-0050	EA	24" x 16" Volume Control Damper (Ruskin CD36)	358.94	92.86
23 09 23 12-0051	EA	24" x 20" Volume Control Damper (Ruskin CD36)	437.08	111.43
23 09 23 12-0052	EA	24" x 24" Volume Control Damper (Ruskin CD36)	464.01	111.43
23 09 23 12-0053	EA	24" x 28" Volume Control Damper (Ruskin CD36)	532.98	130.01
23 09 23 12-0054	EA	24" x 32" Volume Control Damper (Ruskin CD36)	571.54	130.01
23 09 23 12-0055	EA	24" x 36" Volume Control Damper (Ruskin CD36)	600.92	130.01
23 09 23 12-0056	EA	28" x 8" Volume Control Damper (Ruskin CD36)	292.41	74.28
23 09 23 12-0057	EA	28" x 12" Volume Control Damper (Ruskin CD36)	338.74	92.86
23 09 23 12-0058	EA	28" x 16" Volume Control Damper (Ruskin CD36)	399.13	111.43
23 09 23 12-0059	EA	28" x 20" Volume Control Damper (Ruskin CD36)	446.26	111.43
23 09 23 12-0060	EA	28" x 24" Volume Control Damper (Ruskin CD36)	506.66	130.01
23 09 23 12-0061	EA	28" x 28" Volume Control Damper (Ruskin CD36)	542.16	130.01
23 09 23 12-0062	EA	28" x 32" Volume Control Damper (Ruskin CD36)	574.60	130.01
23 09 23 12-0063	EA	28" x 36" Volume Control Damper (Ruskin CD36)	618.67	130.01
23 09 23 12-0064	EA	32" x 8" Volume Control Damper (Ruskin CD36)	295.47	74.28
23 09 23 12-0065	EA	32" x 12" Volume Control Damper (Ruskin CD36)	341.19	92.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0066	EA	32" x 16" Volume Control Damper (Ruskin CD36)	407.70	111.43
23 09 23 12-0067	EA	32" x 20" Volume Control Damper (Ruskin CD36)	486.47	130.01
23 09 23 12-0068	EA	32" x 24" Volume Control Damper (Ruskin CD36)	521.35	130.01
23 09 23 12-0069	EA	32" x 28" Volume Control Damper (Ruskin CD36)	553.79	130.01
23 09 23 12-0070	EA	32" x 32" Volume Control Damper (Ruskin CD36)	589.29	130.01
23 09 23 12-0071	EA	32" x 36" Volume Control Damper (Ruskin CD36)	667.45	148.58
23 09 23 12-0072	EA	36" x 8" Volume Control Damper (Ruskin CD36)	344.25	92.86
23 09 23 12-0073	EA	36" x 12" Volume Control Damper (Ruskin CD36)	390.56	111.43
23 09 23 12-0074	EA	36" x 16" Volume Control Damper (Ruskin CD36)	416.88	111.43
23 09 23 12-0075	EA	36" x 20" Volume Control Damper (Ruskin CD36)	495.04	130.01
23 09 23 12-0076	EA	36" x 24" Volume Control Damper (Ruskin CD36)	532.98	130.01
23 09 23 12-0077	EA	36" x 28" Volume Control Damper (Ruskin CD36)	571.54	130.01
23 09 23 12-0078	EA	36" x 32" Volume Control Damper (Ruskin CD36)	638.07	148.58
23 09 23 12-0079	EA	36" x 36" Volume Control Damper (Ruskin CD36)	679.08	148.58
23 09 23 12-0080	EA	36" x 40" Volume Control Damper (Ruskin CD36)	714.57	148.58
23 09 23 12-0081	EA	36" x 44" Volume Control Damper (Ruskin CD36)	752.52	148.58
23 09 23 12-0082	EA	36" x 48" Volume Control Damper (Ruskin CD36)	784.96	148.58
23 09 23 12-0083	EA	36" x 52" Volume Control Damper (Ruskin CD36)	822.91	148.58
23 09 23 12-0084	EA	36" x 56" Volume Control Damper (Ruskin CD36)	861.47	148.58
23 09 23 12-0085	EA	36" x 60" Volume Control Damper (Ruskin CD36)	893.29	148.58
23 09 23 12-0086	EA	36" x 64" Volume Control Damper (Ruskin CD36)	937.36	148.58
23 09 23 12-0087	EA	36" x 68" Volume Control Damper (Ruskin CD36)	1,010.00	167.15
23 09 23 12-0088	EA	36" x 72" Volume Control Damper (Ruskin CD36)	1,074.87	167.15
23 09 23 12-0089	EA	36" x 76" Volume Control Damper (Ruskin CD36)	1,273.18	167.15
23 09 23 12-0090	EA	36" x 80" Volume Control Damper (Ruskin CD36)	1,273.18	167.15
23 09 23 12-0091	EA	36" x 84" Volume Control Damper (Ruskin CD36)	1,358.86	167.15
23 09 23 12-0092	EA	40" x 40" Volume Control Damper (Ruskin CD36)	729.26	148.58
23 09 23 12-0093	EA	40" x 44" Volume Control Damper (Ruskin CD36)	767.21	148.58
23 09 23 12-0094	EA	40" x 48" Volume Control Damper (Ruskin CD36)	805.16	148.58
23 09 23 12-0095	EA	40" x 52" Volume Control Damper (Ruskin CD36)	846.78	148.58
23 09 23 12-0096	EA	40" x 56" Volume Control Damper (Ruskin CD36)	881.66	148.58
23 09 23 12-0097	EA	40" x 60" Volume Control Damper (Ruskin CD36)	951.24	167.15
23 09 23 12-0098	EA	40" x 64" Volume Control Damper (Ruskin CD36)	995.31	167.15
23 09 23 12-0099	EA	40" x 68" Volume Control Damper (Ruskin CD36)	1,036.32	167.15
23 09 23 12-0100	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,098.13	167.15
23 09 23 12-0101	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,306.23	167.15
23 09 23 12-0102	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,306.23	167.15
23 09 23 12-0103	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,391.91	167.15
23 09 23 12-0104	EA	44" x 40" Volume Control Damper (Ruskin CD36)	746.40	148.58
23 09 23 12-0105	EA	44" x 44" Volume Control Damper (Ruskin CD36)	784.96	148.58
23 09 23 12-0106	EA	44" x 48" Volume Control Damper (Ruskin CD36)	822.91	148.58
23 09 23 12-0107	EA	44" x 52" Volume Control Damper (Ruskin CD36)	863.91	148.58
23 09 23 12-0108	EA	44" x 56" Volume Control Damper (Ruskin CD36)	936.55	167.15
23 09 23 12-0109	EA	44" x 60" Volume Control Damper (Ruskin CD36)	977.56	167.15
23 09 23 12-0110	EA	44" x 64" Volume Control Damper (Ruskin CD36)	1,016.12	167.15
23 09 23 12-0111	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,062.63	167.15
23 09 23 12-0112	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,124.45	167.15
23 09 23 12-0113	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,345.40	167.15
23 09 23 12-0114	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,345.40	167.15
23 09 23 12-0115	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,468.84	185.73
23 09 23 12-0116	EA	40" x 40" Volume Control Damper (Ruskin CD36)	729.26	148.58
23 09 23 12-0117	EA	40" x 44" Volume Control Damper (Ruskin CD36)	767.21	148.58
23 09 23 12-0118	EA	40" x 48" Volume Control Damper (Ruskin CD36)	805.16	148.58
23 09 23 12-0119	EA	40" x 52" Volume Control Damper (Ruskin CD36)	846.78	148.58
23 09 23 12-0120	EA	40" x 56" Volume Control Damper (Ruskin CD36)	881.66	148.58
23 09 23 12-0121	EA	40" x 60" Volume Control Damper (Ruskin CD36)	951.24	167.15
23 09 23 12-0122	EA	40" x 64" Volume Control Damper (Ruskin CD36)	995.31	167.15
23 09 23 12-0123	EA	40" x 68" Volume Control Damper (Ruskin CD36)	1,036.32	167.15
23 09 23 12-0124	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,098.13	167.15
23 09 23 12-0125	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,306.23	167.15
23 09 23 12-0126	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,306.23	167.15
23 09 23 12-0127	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,391.91	167.15
23 09 23 12-0128	EA	44" x 40" Volume Control Damper (Ruskin CD36)	746.40	148.58
23 09 23 12-0129	EA	44" x 44" Volume Control Damper (Ruskin CD36)	784.96	148.58
23 09 23 12-0130	EA	44" x 48" Volume Control Damper (Ruskin CD36)	822.91	148.58
23 09 23 12-0131	EA	44" x 52" Volume Control Damper (Ruskin CD36)	863.91	148.58
23 09 23 12-0132	EA	44" x 56" Volume Control Damper (Ruskin CD36)	936.55	167.15
23 09 23 12-0133	EA	44" x 60" Volume Control Damper (Ruskin CD36)	977.56	167.15
23 09 23 12-0134	EA	44" x 64" Volume Control Damper (Ruskin CD36)	1,016.12	167.15
23 09 23 12-0135	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,062.63	167.15
23 09 23 12-0136	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,124.45	167.15
23 09 23 12-0137	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,345.40	167.15
23 09 23 12-0138	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,345.40	167.15
23 09 23 12-0139	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,468.84	185.73
23 09 23 12-0140	EA	48" x 40" Volume Control Damper (Ruskin CD36)	764.15	148.58
23 09 23 12-0141	EA	48" x 44" Volume Control Damper (Ruskin CD36)	802.71	148.58
23 09 23 12-0142	EA	48" x 48" Volume Control Damper (Ruskin CD36)	843.72	148.58
23 09 23 12-0143	EA	48" x 52" Volume Control Damper (Ruskin CD36)	921.86	167.15
23 09 23 12-0144	EA	48" x 56" Volume Control Damper (Ruskin CD36)	959.81	167.15
23 09 23 12-0145	EA	48" x 60" Volume Control Damper (Ruskin CD36)	995.31	167.15
23 09 23 12-0146	EA	48" x 64" Volume Control Damper (Ruskin CD36)	1,039.38	167.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0147	EA	48" x 68" Volume Control Damper (Ruskin CD36)	1,083.44	167.15
23 09 23 12-0148	EA	48" x 72" Volume Control Damper (Ruskin CD36)	1,153.83	167.15
23 09 23 12-0149	EA	48" x 76" Volume Control Damper (Ruskin CD36)	1,422.32	185.73
23 09 23 12-0150	EA	48" x 80" Volume Control Damper (Ruskin CD36)	1,422.32	185.73
23 09 23 12-0151	EA	48" x 84" Volume Control Damper (Ruskin CD36)	1,508.62	185.73
23 09 23 12-0152	EA	52" x 40" Volume Control Damper (Ruskin CD36)	1,178.50	148.58
23 09 23 12-0153	EA	52" x 44" Volume Control Damper (Ruskin CD36)	1,237.26	148.58
23 09 23 12-0154	EA	52" x 48" Volume Control Damper (Ruskin CD36)	1,365.60	167.15
23 09 23 12-0155	EA	52" x 52" Volume Control Damper (Ruskin CD36)	1,447.61	167.15
23 09 23 12-0156	EA	52" x 56" Volume Control Damper (Ruskin CD36)	1,506.37	167.15
23 09 23 12-0157	EA	52" x 60" Volume Control Damper (Ruskin CD36)	1,574.30	167.15
23 09 23 12-0158	EA	52" x 64" Volume Control Damper (Ruskin CD36)	1,662.44	167.15
23 09 23 12-0159	EA	52" x 68" Volume Control Damper (Ruskin CD36)	1,756.08	167.15
23 09 23 12-0160	EA	52" x 72" Volume Control Damper (Ruskin CD36)	1,905.22	185.73
23 09 23 12-0161	EA	52" x 76" Volume Control Damper (Ruskin CD36)	2,116.38	185.73
23 09 23 12-0162	EA	52" x 80" Volume Control Damper (Ruskin CD36)	2,116.99	185.73
23 09 23 12-0163	EA	52" x 84" Volume Control Damper (Ruskin CD36)	2,248.58	185.73
23 09 23 12-0164	EA	56" x 40" Volume Control Damper (Ruskin CD36)	1,190.13	148.58
23 09 23 12-0165	EA	56" x 44" Volume Control Damper (Ruskin CD36)	1,295.21	167.15
23 09 23 12-0166	EA	56" x 48" Volume Control Damper (Ruskin CD36)	1,383.35	167.15
23 09 23 12-0167	EA	56" x 52" Volume Control Damper (Ruskin CD36)	1,456.79	167.15
23 09 23 12-0168	EA	56" x 56" Volume Control Damper (Ruskin CD36)	1,524.12	167.15
23 09 23 12-0169	EA	56" x 60" Volume Control Damper (Ruskin CD36)	1,600.62	167.15
23 09 23 12-0170	EA	56" x 64" Volume Control Damper (Ruskin CD36)	1,685.70	167.15
23 09 23 12-0171	EA	56" x 68" Volume Control Damper (Ruskin CD36)	1,828.72	185.73
23 09 23 12-0172	EA	56" x 72" Volume Control Damper (Ruskin CD36)	1,946.23	185.73
23 09 23 12-0173	EA	56" x 76" Volume Control Damper (Ruskin CD36)	2,116.38	185.73
23 09 23 12-0174	EA	56" x 80" Volume Control Damper (Ruskin CD36)	2,116.38	185.73
23 09 23 12-0175	EA	56" x 84" Volume Control Damper (Ruskin CD36)	2,248.58	185.73
23 09 23 12-0176	EA	60" x 40" Volume Control Damper (Ruskin CD36)	1,245.02	167.15
23 09 23 12-0177	EA	60" x 44" Volume Control Damper (Ruskin CD36)	1,321.53	167.15
23 09 23 12-0178	EA	60" x 48" Volume Control Damper (Ruskin CD36)	1,406.60	167.15
23 09 23 12-0179	EA	60" x 52" Volume Control Damper (Ruskin CD36)	1,483.11	167.15
23 09 23 12-0180	EA	60" x 56" Volume Control Damper (Ruskin CD36)	1,565.12	167.15
23 09 23 12-0181	EA	60" x 60" Volume Control Damper (Ruskin CD36)	1,626.94	167.15
23 09 23 12-0182	EA	60" x 64" Volume Control Damper (Ruskin CD36)	1,749.15	185.73
23 09 23 12-0183	EA	60" x 68" Volume Control Damper (Ruskin CD36)	1,851.98	185.73
23 09 23 12-0184	EA	60" x 72" Volume Control Damper (Ruskin CD36)	1,987.24	185.73
23 09 23 12-0185	EA	60" x 76" Volume Control Damper (Ruskin CD36)	2,182.48	185.73
23 09 23 12-0186	EA	60" x 80" Volume Control Damper (Ruskin CD36)	2,182.48	185.73
23 09 23 12-0187	EA	60" x 84" Volume Control Damper (Ruskin CD36)	2,354.47	185.73
23 09 23 12-0188	EA	64" x 40" Volume Control Damper (Ruskin CD36)	1,262.77	167.15
23 09 23 12-0189	EA	64" x 44" Volume Control Damper (Ruskin CD36)	1,347.85	167.15
23 09 23 12-0190	EA	64" x 48" Volume Control Damper (Ruskin CD36)	1,429.86	167.15
23 09 23 12-0191	EA	64" x 52" Volume Control Damper (Ruskin CD36)	1,503.31	167.15
23 09 23 12-0192	EA	64" x 56" Volume Control Damper (Ruskin CD36)	1,585.93	167.15
23 09 23 12-0193	EA	64" x 60" Volume Control Damper (Ruskin CD36)	1,690.40	185.73
23 09 23 12-0194	EA	64" x 64" Volume Control Damper (Ruskin CD36)	1,773.02	185.73
23 09 23 12-0195	EA	64" x 68" Volume Control Damper (Ruskin CD36)	1,872.79	185.73
23 09 23 12-0196	EA	64" x 72" Volume Control Damper (Ruskin CD36)	2,028.25	185.73
23 09 23 12-0197	EA	64" x 76" Volume Control Damper (Ruskin CD36)	2,182.48	185.73
23 09 23 12-0198	EA	64" x 80" Volume Control Damper (Ruskin CD36)	2,182.48	185.73
23 09 23 12-0199	EA	64" x 84" Volume Control Damper (Ruskin CD36)	2,391.62	204.29
23 09 23 12-0200	EA	66" x 40" Volume Control Damper (Ruskin CD36)	1,277.46	167.15
23 09 23 12-0201	EA	66" x 44" Volume Control Damper (Ruskin CD36)	1,365.60	167.15
23 09 23 12-0202	EA	66" x 48" Volume Control Damper (Ruskin CD36)	1,444.55	167.15
23 09 23 12-0203	EA	66" x 52" Volume Control Damper (Ruskin CD36)	1,524.12	167.15
23 09 23 12-0204	EA	66" x 56" Volume Control Damper (Ruskin CD36)	1,646.33	185.73
23 09 23 12-0205	EA	66" x 60" Volume Control Damper (Ruskin CD36)	1,716.71	185.73
23 09 23 12-0206	EA	66" x 64" Volume Control Damper (Ruskin CD36)	1,807.91	185.73
23 09 23 12-0207	EA	66" x 68" Volume Control Damper (Ruskin CD36)	1,899.10	185.73
23 09 23 12-0208	EA	66" x 72" Volume Control Damper (Ruskin CD36)	2,052.12	185.73
23 09 23 12-0209	EA	66" x 76" Volume Control Damper (Ruskin CD36)	2,248.58	185.73
23 09 23 12-0210	EA	66" x 80" Volume Control Damper (Ruskin CD36)	2,285.73	204.29
23 09 23 12-0211	EA	66" x 84" Volume Control Damper (Ruskin CD36)	2,457.72	204.29
23 09 23 12-0212	EA	72" x 40" Volume Control Damper (Ruskin CD36)	1,294.60	167.15
23 09 23 12-0213	EA	72" x 44" Volume Control Damper (Ruskin CD36)	1,383.35	167.15
23 09 23 12-0214	EA	72" x 48" Volume Control Damper (Ruskin CD36)	1,456.79	167.15
23 09 23 12-0215	EA	72" x 52" Volume Control Damper (Ruskin CD36)	1,582.06	185.73
23 09 23 12-0216	EA	72" x 56" Volume Control Damper (Ruskin CD36)	1,670.20	185.73
23 09 23 12-0217	EA	72" x 60" Volume Control Damper (Ruskin CD36)	1,743.64	185.73
23 09 23 12-0218	EA	72" x 64" Volume Control Damper (Ruskin CD36)	1,846.47	185.73
23 09 23 12-0219	EA	72" x 68" Volume Control Damper (Ruskin CD36)	1,925.42	185.73
23 09 23 12-0220	EA	72" x 72" Volume Control Damper (Ruskin CD36)	2,075.37	185.73
23 09 23 12-0221	EA	72" x 76" Volume Control Damper (Ruskin CD36)	2,285.73	204.29
23 09 23 12-0222	EA	72" x 80" Volume Control Damper (Ruskin CD36)	2,285.73	204.29
23 09 23 12-0223	EA	72" x 84" Volume Control Damper (Ruskin CD36)	2,457.72	204.29
23 09 23 12-0224	EA	76" x 40" Volume Control Damper (Ruskin CD36)	1,312.35	167.15
23 09 23 12-0225	EA	76" x 44" Volume Control Damper (Ruskin CD36)	1,398.03	167.15
23 09 23 12-0226	EA	76" x 48" Volume Control Damper (Ruskin CD36)	1,517.19	185.73
23 09 23 12-0227	EA	76" x 52" Volume Control Damper (Ruskin CD36)	1,605.32	185.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0228	EA	76" x 56" Volume Control Damper (Ruskin CD36)	1,693.46	185.73
23 09 23 12-0229	EA	76" x 60" Volume Control Damper (Ruskin CD36)	1,766.90	185.73
23 09 23 12-0230	EA	76" x 64" Volume Control Damper (Ruskin CD36)	1,869.73	185.73
23 09 23 12-0231	EA	76" x 68" Volume Control Damper (Ruskin CD36)	1,969.49	185.73
23 09 23 12-0232	EA	76" x 72" Volume Control Damper (Ruskin CD36)	2,138.84	204.29
23 09 23 12-0233	EA	76" x 76" Volume Control Damper (Ruskin CD36)	2,351.83	204.29
23 09 23 12-0234	EA	76" x 80" Volume Control Damper (Ruskin CD36)	2,351.83	204.29
23 09 23 12-0235	EA	76" x 84" Volume Control Damper (Ruskin CD36)	2,523.82	204.29
23 09 23 12-0236	EA	80" x 40" Volume Control Damper (Ruskin CD36)	1,330.10	167.15
23 09 23 12-0237	EA	80" x 44" Volume Control Damper (Ruskin CD36)	1,415.17	167.15
23 09 23 12-0238	EA	80" x 48" Volume Control Damper (Ruskin CD36)	1,540.45	185.73
23 09 23 12-0239	EA	80" x 52" Volume Control Damper (Ruskin CD36)	1,637.76	185.73
23 09 23 12-0240	EA	80" x 56" Volume Control Damper (Ruskin CD36)	1,716.71	185.73
23 09 23 12-0241	EA	80" x 60" Volume Control Damper (Ruskin CD36)	1,790.16	185.73
23 09 23 12-0242	EA	80" x 64" Volume Control Damper (Ruskin CD36)	1,892.98	185.73
23 09 23 12-0243	EA	80" x 68" Volume Control Damper (Ruskin CD36)	2,024.39	204.29
23 09 23 12-0244	EA	80" x 72" Volume Control Damper (Ruskin CD36)	2,165.16	204.29
23 09 23 12-0245	EA	80" x 76" Volume Control Damper (Ruskin CD36)	2,351.83	204.29
23 09 23 12-0246	EA	80" x 80" Volume Control Damper (Ruskin CD36)	2,351.83	204.29
23 09 23 12-0247	EA	80" x 84" Volume Control Damper (Ruskin CD36)	2,523.82	204.29
23 09 23 12-0248	EA	84" x 40" Volume Control Damper (Ruskin CD36)	1,341.73	167.15
23 09 23 12-0249	EA	84" x 44" Volume Control Damper (Ruskin CD36)	1,467.00	185.73
23 09 23 12-0250	EA	84" x 48" Volume Control Damper (Ruskin CD36)	1,564.32	185.73
23 09 23 12-0251	EA	84" x 52" Volume Control Damper (Ruskin CD36)	1,670.20	185.73
23 09 23 12-0252	EA	84" x 56" Volume Control Damper (Ruskin CD36)	1,734.46	185.73
23 09 23 12-0253	EA	84" x 60" Volume Control Damper (Ruskin CD36)	1,814.03	185.73
23 09 23 12-0254	EA	84" x 64" Volume Control Damper (Ruskin CD36)	1,954.00	204.29
23 09 23 12-0255	EA	84" x 68" Volume Control Damper (Ruskin CD36)	2,056.83	204.29
23 09 23 12-0256	EA	84" x 72" Volume Control Damper (Ruskin CD36)	2,192.09	204.29
23 09 23 12-0257	EA	84" x 76" Volume Control Damper (Ruskin CD36)	2,431.40	204.29
23 09 23 12-0258	EA	84" x 80" Volume Control Damper (Ruskin CD36)	2,431.40	204.29
23 09 23 12-0259	EA	84" x 84" Volume Control Damper (Ruskin CD36)	2,603.38	204.29
23 09 23 12-0260		Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0014)*		
23 09 23 12-0261	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	359.98	55.72
23 09 23 12-0262	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	447.88	55.72
23 09 23 12-0263	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	508.50	55.72
23 09 23 12-0264	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	554.74	74.28
23 09 23 12-0265	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	618.40	74.28
23 09 23 12-0266	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	675.99	74.28
23 09 23 12-0267	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	685.08	74.28
23 09 23 12-0268	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	782.85	92.86
23 09 23 12-0269	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	359.98	55.72
23 09 23 12-0270	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	447.88	55.72
23 09 23 12-0271	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	545.65	74.28
23 09 23 12-0272	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	554.74	74.28
23 09 23 12-0273	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	655.55	92.86
23 09 23 12-0274	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	713.14	92.86
23 09 23 12-0275	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	722.23	92.86
23 09 23 12-0276	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	819.98	111.43
23 09 23 12-0277	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	372.10	55.72
23 09 23 12-0278	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	506.25	74.28
23 09 23 12-0279	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	575.96	74.28
23 09 23 12-0280	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	619.17	92.86
23 09 23 12-0281	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	688.89	92.86
23 09 23 12-0282	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	786.64	111.43
23 09 23 12-0283	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	795.73	111.43
23 09 23 12-0284	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	871.51	111.43
23 09 23 12-0285	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	433.50	74.28
23 09 23 12-0286	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	545.65	74.28
23 09 23 12-0287	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	655.55	92.86
23 09 23 12-0288	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	664.64	92.86
23 09 23 12-0289	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	762.39	111.43
23 09 23 12-0290	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	841.20	111.43
23 09 23 12-0291	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	899.57	130.01
23 09 23 12-0292	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	960.19	130.01
23 09 23 12-0293	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	457.75	74.28
23 09 23 12-0294	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	607.05	92.86
23 09 23 12-0295	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	679.80	92.86
23 09 23 12-0296	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	729.05	111.43
23 09 23 12-0297	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	810.89	111.43
23 09 23 12-0298	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	923.82	130.01
23 09 23 12-0299	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	938.97	130.01
23 09 23 12-0300	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,014.75	130.01
23 09 23 12-0301	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	469.87	74.28
23 09 23 12-0302	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	628.27	92.86
23 09 23 12-0303	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	744.21	111.43
23 09 23 12-0304	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	759.36	111.43
23 09 23 12-0305	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	884.41	130.01
23 09 23 12-0306	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	963.22	130.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0307	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	969.28	130.01
23 09 23 12-0308	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,066.28	130.01
23 09 23 12-0309	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	497.15	74.28
23 09 23 12-0310	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	661.61	92.86
23 09 23 12-0311	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	795.73	111.43
23 09 23 12-0312	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	841.98	130.01
23 09 23 12-0313	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	938.97	130.01
23 09 23 12-0314	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	1,011.72	130.01
23 09 23 12-0315	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,029.90	130.01
23 09 23 12-0316	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,154.96	148.58
23 09 23 12-0317	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	561.58	92.86
23 09 23 12-0318	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	726.02	111.43
23 09 23 12-0319	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	819.98	111.43
23 09 23 12-0320	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	866.23	130.01
23 09 23 12-0321	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	969.28	130.01
23 09 23 12-0322	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	1,069.31	130.01
23 09 23 12-0323	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,112.52	148.58
23 09 23 12-0324	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,212.55	148.58
23 09 23 12-0325	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,300.45	148.58
23 09 23 12-0326	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,321.66	148.58
23 09 23 12-0327	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,424.72	148.58
23 09 23 12-0328	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,518.69	148.58
23 09 23 12-0329	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,539.90	148.58
23 09 23 12-0330	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,627.80	148.58
23 09 23 12-0331	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,718.74	148.58
23 09 23 12-0332	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,774.06	167.15
23 09 23 12-0333	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,868.03	167.15
23 09 23 12-0334	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,541.68	167.15
23 09 23 12-0335	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,541.68	167.15
23 09 23 12-0336	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,587.91	167.15
23 09 23 12-0337	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,364.10	148.58
23 09 23 12-0338	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,382.29	148.58
23 09 23 12-0339	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,482.31	148.58
23 09 23 12-0340	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,591.43	148.58
23 09 23 12-0341	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,600.52	148.58
23 09 23 12-0342	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,737.69	167.15
23 09 23 12-0343	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,840.75	167.15
23 09 23 12-0344	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,868.03	167.15
23 09 23 12-0345	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,971.08	167.15
23 09 23 12-0346	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.87	167.15
23 09 23 12-0347	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.87	167.15
23 09 23 12-0348	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,721.28	167.15
23 09 23 12-0349	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,415.63	148.58
23 09 23 12-0350	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,442.91	148.58
23 09 23 12-0351	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,545.96	148.58
23 09 23 12-0352	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,667.21	148.58
23 09 23 12-0353	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,713.44	167.15
23 09 23 12-0354	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,816.50	167.15
23 09 23 12-0355	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,931.68	167.15
23 09 23 12-0356	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,958.96	167.15
23 09 23 12-0357	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,058.98	167.15
23 09 23 12-0358	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,794.78	167.15
23 09 23 12-0359	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,794.78	167.15
23 09 23 12-0360	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,891.78	185.73
23 09 23 12-0361	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,364.10	148.58
23 09 23 12-0362	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,382.29	148.58
23 09 23 12-0363	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,482.31	148.58
23 09 23 12-0364	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,591.43	148.58
23 09 23 12-0365	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,600.52	148.58
23 09 23 12-0366	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,737.69	167.15
23 09 23 12-0367	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,840.75	167.15
23 09 23 12-0368	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,868.03	167.15
23 09 23 12-0369	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,971.08	167.15
23 09 23 12-0370	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.87	167.15
23 09 23 12-0371	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.87	167.15
23 09 23 12-0372	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,721.28	167.15
23 09 23 12-0373	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,415.63	148.58
23 09 23 12-0374	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,442.91	148.58
23 09 23 12-0375	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,482.31	148.58
23 09 23 12-0376	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,591.43	148.58
23 09 23 12-0377	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,713.44	167.15
23 09 23 12-0378	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,816.50	167.15
23 09 23 12-0379	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,931.68	167.15
23 09 23 12-0380	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,958.96	167.15
23 09 23 12-0381	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,058.98	167.15
23 09 23 12-0382	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,794.78	167.15
23 09 23 12-0383	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,794.78	167.15
23 09 23 12-0384	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,891.78	185.73
23 09 23 12-0385	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,473.22	148.58
23 09 23 12-0386	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,497.47	148.58
23 09 23 12-0387	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,615.68	148.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0388	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,774.06	167.15
23 09 23 12-0389	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,798.31	167.15
23 09 23 12-0390	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,898.34	167.15
23 09 23 12-0391	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,013.52	167.15
23 09 23 12-0392	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,034.74	167.15
23 09 23 12-0393	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,146.89	167.15
23 09 23 12-0394	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,958.47	185.73
23 09 23 12-0395	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,958.47	185.73
23 09 23 12-0396	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,012.27	185.73
23 09 23 12-0397	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,655.08	148.58
23 09 23 12-0398	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,679.33	148.58
23 09 23 12-0399	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,846.81	167.15
23 09 23 12-0400	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,992.30	167.15
23 09 23 12-0401	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,016.55	167.15
23 09 23 12-0402	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,131.73	167.15
23 09 23 12-0403	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,256.00	167.15
23 09 23 12-0404	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,304.50	167.15
23 09 23 12-0405	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.23	185.73
23 09 23 12-0406	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,239.10	185.73
23 09 23 12-0407	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,239.10	185.73
23 09 23 12-0408	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,398.99	185.73
23 09 23 12-0409	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,718.74	148.58
23 09 23 12-0410	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,786.19	167.15
23 09 23 12-0411	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,916.52	167.15
23 09 23 12-0412	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,083.23	167.15
23 09 23 12-0413	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,110.51	167.15
23 09 23 12-0414	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,234.79	167.15
23 09 23 12-0415	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,365.12	167.15
23 09 23 12-0416	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,447.73	185.73
23 09 23 12-0417	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,575.04	185.73
23 09 23 12-0418	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,239.10	185.73
23 09 23 12-0419	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,239.10	185.73
23 09 23 12-0420	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,398.99	185.73
23 09 23 12-0421	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,822.56	167.15
23 09 23 12-0422	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,846.81	167.15
23 09 23 12-0423	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,001.39	167.15
23 09 23 12-0424	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,155.98	167.15
23 09 23 12-0425	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,186.29	167.15
23 09 23 12-0426	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,316.63	167.15
23 09 23 12-0427	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.23	185.73
23 09 23 12-0428	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,526.54	185.73
23 09 23 12-0429	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.12	185.73
23 09 23 12-0430	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,572.52	185.73
23 09 23 12-0431	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,572.52	185.73
23 09 23 12-0432	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,625.56	185.73
23 09 23 12-0433	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,437.87	167.15
23 09 23 12-0434	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,465.15	167.15
23 09 23 12-0435	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,710.67	167.15
23 09 23 12-0436	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,868.28	167.15
23 09 23 12-0437	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,922.84	167.15
23 09 23 12-0438	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,135.78	185.73
23 09 23 12-0439	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,329.77	185.73
23 09 23 12-0440	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,378.27	185.73
23 09 23 12-0441	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,538.92	185.73
23 09 23 12-0442	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,572.52	185.73
23 09 23 12-0443	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,572.52	185.73
23 09 23 12-0444	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,662.71	204.29
23 09 23 12-0445	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,495.46	167.15
23 09 23 12-0446	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,525.77	167.15
23 09 23 12-0447	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,759.16	167.15
23 09 23 12-0448	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,947.09	167.15
23 09 23 12-0449	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,029.70	185.73
23 09 23 12-0450	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,214.59	185.73
23 09 23 12-0451	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,414.64	185.73
23 09 23 12-0452	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,460.11	185.73
23 09 23 12-0453	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,663.19	185.73
23 09 23 12-0454	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,786.21	185.73
23 09 23 12-0455	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,823.36	204.29
23 09 23 12-0456	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,916.56	204.29
23 09 23 12-0457	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,546.99	167.15
23 09 23 12-0458	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,586.39	167.15
23 09 23 12-0459	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,813.72	167.15
23 09 23 12-0460	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,060.01	185.73
23 09 23 12-0461	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,102.44	185.73
23 09 23 12-0462	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,296.43	185.73
23 09 23 12-0463	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,499.51	185.73
23 09 23 12-0464	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,538.92	185.73
23 09 23 12-0465	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,751.09	185.73
23 09 23 12-0466	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,823.36	204.29
23 09 23 12-0467	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,823.36	204.29
23 09 23 12-0468	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,916.56	204.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0469	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,610.64	167.15
23 09 23 12-0470	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,653.08	167.15
23 09 23 12-0471	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,917.55	185.73
23 09 23 12-0472	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,138.82	185.73
23 09 23 12-0473	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,166.10	185.73
23 09 23 12-0474	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,378.27	185.73
23 09 23 12-0475	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,593.48	185.73
23 09 23 12-0476	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,645.01	185.73
23 09 23 12-0477	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,897.36	204.29
23 09 23 12-0478	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,102.98	204.29
23 09 23 12-0479	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,102.98	204.29
23 09 23 12-0480	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,183.30	204.29
23 09 23 12-0481	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,680.36	167.15
23 09 23 12-0482	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,719.76	167.15
23 09 23 12-0483	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,981.20	185.73
23 09 23 12-0484	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,214.59	185.73
23 09 23 12-0485	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,235.81	185.73
23 09 23 12-0486	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,460.11	185.73
23 09 23 12-0487	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,687.44	185.73
23 09 23 12-0488	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,788.24	204.29
23 09 23 12-0489	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	4,009.51	204.29
23 09 23 12-0490	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,102.98	204.29
23 09 23 12-0491	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,102.98	204.29
23 09 23 12-0492	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,183.30	204.29
23 09 23 12-0493	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,737.95	167.15
23 09 23 12-0494	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,802.37	185.73
23 09 23 12-0495	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	3,032.73	185.73
23 09 23 12-0496	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,293.40	185.73
23 09 23 12-0497	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,305.53	185.73
23 09 23 12-0498	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,517.70	185.73
23 09 23 12-0499	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,797.34	204.29
23 09 23 12-0500	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,864.02	204.29
23 09 23 12-0501	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	4,088.32	204.29
23 09 23 12-0502	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,329.55	204.29
23 09 23 12-0503	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,329.55	204.29
23 09 23 12-0504	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,450.03	204.29

23 09 23 12-0505 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0506	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	228.73	52.01
23 09 23 12-0507	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	236.27	55.72
23 09 23 12-0508	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	246.27	55.72
23 09 23 12-0509	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	273.50	63.14
23 09 23 12-0510	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	310.57	63.14
23 09 23 12-0511	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	337.36	74.28
23 09 23 12-0512	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	453.08	78.20
23 09 23 12-0513	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	473.63	81.06
23 09 23 12-0514	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	502.75	87.38
23 09 23 12-0515	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	532.43	93.70

23 09 23 12-0516 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0517	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	335.69	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	
23 09 23 12-0518	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	344.63	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	376.06	10.87
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	284.00	10.87
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	442.41	10.87
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	239.05	10.87
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	239.05	10.87
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	239.05	10.87
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	346.10	10.87
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	213.36	10.87

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,628.99	119.71

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,445.88	142.63
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,368.26	142.63
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,917.15	142.63

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,334.18	65.18
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,031.54	43.44
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,855.51	65.18
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	1,008.89	78.20

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	629.38	78.20
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	646.48	78.20
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	732.64	108.62
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	568.60	43.44

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	208.06	30.55
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	203.98	30.55
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	272.42	30.55
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	242.21	30.55
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	76.25	30.55
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	70.63	30.55
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	128.50	30.55

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	838.92	91.73
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	747.06	91.73
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	302.58	91.73
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	313.25	91.73
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	334.14	91.73
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	310.16	91.73
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	3,076.19	91.73
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	3,076.19	91.73
23 09 23 23-0010	EA	Magnahelic Gauge	812.78	56.08

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,674.91	74.28
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,910.89	74.28
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	469.73	44.58
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	541.09	44.58

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	235.44	78.20
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	327.30	78.20
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	246.01	78.20
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	256.85	78.20
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	260.45	78.20
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	256.89	78.20
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	258.81	78.20
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	277.06	78.20
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	293.00	78.20
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	356.00	108.62
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	368.27	108.62
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	160.51	43.44
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	165.03	43.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	153.17	43.44
23 09 23 27-0016		**Water Temperature Sensors** *(23 09 23 27)*		
23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	189.17	84.04
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	431.38	84.04
23 09 23 27-0019		**Peco Thermostats** *(23 09 23 27)*		
23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	436.18	20.36
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	389.38	20.36
23 09 23 53		**Proprietary Control Systems** *(23 09 23)*		
23 09 23 53-0001		**EMCS General Costs** *(23 09 23 53)*		
23 09 23 53-0002		**EMCS System Design Services** *(23 09 23 53-0001)* Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	251.18	
23 09 23 53-0004	HR	EMCS Engineering Project Management	251.18	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	264.76	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	217.24	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	227.42	
23 09 23 53-0008	HR	EMCS System Controls Training	237.60	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	244.40	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	210.45	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	203.66	
23 09 23 53-0012		**Field Tests, Checkout And Commissioning** *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	178.27	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	178.27	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	178.27	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	152.75	
23 09 23 53-0017		**EMCS System Engineering/Submittal Design And Layout** *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	59.47	
23 09 23 53-0019		**Alerton Controls** *(23 09 23 53)*		
23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	15,690.15	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	20,757.10	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	55,754.13	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	41,298.84	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	109,771.25	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	86,123.92	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	132,595.36	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	3,466.55	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	48,998.17	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	35,280.86	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	20,650.61	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	11,954.59	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	4,375.81	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	8,628.71	325.86
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	12,887.55	434.48
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	12,701.91	434.48
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	4,139.94	325.86
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	5,227.91	325.86
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	3,805.18	325.86
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	4,978.37	325.86
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	13,147.88	325.86
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	5,147.13	434.48
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	11,580.03	868.95
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	13,961.38	868.95
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,897.34	96.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	3,188.95	325.86
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,440.03	325.86
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,572.71	325.86
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,922.69	325.86
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,907.47	325.86
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,915.99	325.86
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	3,532.85	325.86
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	5,474.30	434.48
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,344.58	217.24
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	2,244.13	217.24
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,945.49	325.86
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,945.49	325.86
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,756.51	325.86
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	8,138.64	434.48
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	3,090.05	325.86
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	241.54	12.22
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	418.66	12.22
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	1,136.85	12.22
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	1,136.85	12.22
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	875.16	12.22
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	266.52	12.22
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	1,202.30	12.22
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,354.48	12.22
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,900.77	325.86
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	5,275.07	325.86
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,952.51	325.86
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,367.86	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	6,190.75	325.86
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,345.14	181.26
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,098.62	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,259.99	12.22

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	5,656.49	325.86
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	11,858.03	977.58
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,580.94	325.86
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	8,368.07	434.48
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	8,213.18	434.48
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	12,708.96	868.95
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	7,206.38	434.48
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	7,577.15	325.86
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	11,779.61	868.95
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,084.98	217.24
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,225.74	217.24
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	4,358.29	217.24
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	4,184.04	217.24
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	3,178.22	325.86
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	23,549.45	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	14,101.04	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	20,447.70	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	584.38	13.58
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	584.38	13.58
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	584.38	13.58
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	584.38	13.58
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	664.68	13.58
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	664.68	13.58
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	664.68	13.58
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	664.68	13.58
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	48.01	13.58
		For >50 To 200, Deduct	*-1.91*	
		For >200, Deduct	*-3.83*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	5,265.80	13.58
		For 2, Deduct	*-262.58*	
		For >2, Deduct	*-524.69*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	506.32	13.58
		For 2, Deduct	*-27.40*	
		For >2, Deduct	*-54.74*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	881.79	13.58
		For >5 To 10, Deduct	*-45.25*	
		For >10, Deduct	*-90.42*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	1,082.23	13.58
		For >5 To 10, Deduct	*-52.62*	
		For >10, Deduct	*-105.15*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,655.26	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,463.82	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,671.61	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	15,302.75	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,863.05	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,655.26	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,375.11	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,863.05	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,789.89	135.78
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	3,030.19	

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,675.34	543.10
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	7,294.63	543.10
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,311.95	543.10
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	5,311.95	543.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,311.95	543.10
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,949.38	543.10
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,744.61	271.55
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,584.66	271.55
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,690.79	271.55
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,584.66	271.55
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,738.45	339.44
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	933.13	135.78
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	1,000.57	135.78
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,175.47	135.78
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	309.39	43.44
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	419.79	48.88
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	825.81	20.36
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)*		
		Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	13,289.79	661.90
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	9,094.96	661.90
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	6,968.42	661.90
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,660.65	661.90
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,910.15	661.90
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,910.15	661.90
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,495.42	661.90
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,109.81	661.90
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,495.42	661.90
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,109.81	661.90
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,115.11	661.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,729.50	661.90
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,115.11	661.90
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,729.50	661.90
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,631.52	661.90
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,683.91	661.90
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	11,316.84	661.90
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	13,369.24	661.90
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	11,345.97	661.90
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	15,257.44	661.90
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,913.34	183.29
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,628.65	122.20
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,079.33	229.19
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,179.68	331.01
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,646.34	331.01
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	120.14	40.73
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,065.16	748.50
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,556.00	443.01
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,279.00	876.80
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,769.85	571.31
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,622.12	916.56
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,240.19	686.75
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,851.21	1,054.04
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,438.69	806.64
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,716.08	748.39
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,206.92	443.01
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,996.18	916.56
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,486.89	610.99
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,617.58	760.72
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,098.24	621.85
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,897.68	1,054.02
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,378.21	700.60
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,564.50	1,054.02
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,101.23	673.45
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	5,124.70	1,054.02
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,661.30	788.85

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,118.47	809.63
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,620.61	809.63
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,850.93	952.19
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,353.06	952.19
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,837.23	1,115.12
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,417.67	1,115.12
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	603.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	697.81	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	730.92	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	689.87	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	700.46	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	684.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	589.24	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	512.44	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	750.78	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	671.33	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	741.51	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,574.38	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,958.38	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	978.53	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	963.96	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	472.71	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	537.59	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	993.09	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,061.95	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	664.71	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	664.71	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	664.71	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	664.71	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	117.85	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	222.45	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	218.48	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	668.68	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	99.31	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	668.68	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	615.72	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	615.72	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	648.82	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	648.82	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	933.51	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,101.67	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,341.05	
23 09 23 53-0235		**EMCS Software** *(23 09 23 53-0140)*		
23 09 23 53-0236		**Software Packages And License** *(23 09 23 53-0235)* Note: Includes installation on equipment.		
23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	746.81	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,846.85	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,341.99	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,965.47	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,627.51	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,941.78	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	7,046.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E² Profiler Points (Honeywell WES-CP-AX)	896.29	
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245	EA	Perpetual License For One Point Of E² Profiler (Honeywell WES-E2-AX)	585.12	
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	38,301.50	
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX)	34,936.40	
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	13,302.16	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,925.64	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,869.38	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,869.38	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)	19,861.88	
		Note: Excludes Oracle.		
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500)	2,648.25	
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,869.38	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)	7,503.82	
		Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,869.38	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	48,110.76	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	88,275.44	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	154,481.69	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,944.75	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,972.38	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,126.12	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)	3,442.70	
		Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

23 09 23 53-0265	PNT	Database Generation For Central Plant	91.11	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller	91.11	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267	EA	Database Generation For Application Specific Controller	91.11	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller	63.41	
		Note: Price per copy made.		
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, etc.	63.41	

23 09 23 53-0270 Application Software Programs *(23 09 23 53-0235)*

23 09 23 53-0271	EA	Optimum Start/Stop Program	127.08	
		Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0272	EA	Duty Cycling Program	60.01	
23 09 23 53-0273	EA	Demand Limiting Program	111.47	
		Note: Priced per controller requiring optimum start programming.		

23 09 23 53-0274 Color Graphics Generation *(23 09 23 53-0235)*

Note: Priced per page.

23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,278.04	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	4,044.57	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant	1,035.02	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	955.72	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	519.20	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller	1,164.40	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller	249.01	
		Note: Priced per copy made.		
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller	1,076.96	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont	107.67	
		Note: Priced per copy made.		

23 09 23 53-0284 Sensors, Actuators And Control Devices *(23 09 23 53-0140)*

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0285 Special Sensors *(23 09 23 53-0284)*

23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,383.38	84.04
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,487.12	84.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,120.65	168.09
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004)	770.45	280.10
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor	554.72	84.04
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor	440.36	84.04
23 09 23 53-0292	EA	I/P Positioner With Gauge	518.71	84.04
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	620.93	84.04
23 09 23 53-0294	EA	EP Transducer	518.71	56.08
23 09 23 53-0295	EA	Electric Heat Sequencer	822.66	112.02
23 09 23 53-0296		**Meters** *(23 09 23 53-0284)*		
23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,290.90	672.08
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,675.40	784.10
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,839.99	280.10
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter	2,107.27	280.10
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,619.86	280.10
23 09 23 53-0302		**Direct Coupled Actuators** *(23 09 23 53-0284)*		
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	755.84	122.58
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	831.14	122.58
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	960.61	122.58
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	711.78	122.58
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	792.76	122.58
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	872.95	122.58
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	797.19	122.58
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	912.66	122.58
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	1,037.29	122.58
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	651.70	122.58
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	713.19	122.58
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	836.71	122.58
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	894.85	122.58
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	894.13	122.58
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,053.58	122.58
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	676.90	122.58
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,177.81	122.58
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	512.13	122.58
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	776.11	122.58
23 09 23 53-0322		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0323		**Electric And Electronic Thermostats** *(23 09 23 53-0322)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0324	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	243.80	20.36
23 09 23 53-0325	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	262.88	20.36
23 09 23 53-0326	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	241.68	20.36
23 09 23 53-0327	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	270.72	20.36
23 09 23 53-0328	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	292.56	20.36
23 09 23 53-0329	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	432.49	20.36
23 09 23 53-0330	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	631.78	20.36
23 09 23 53-0331	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	1,025.85	20.36
23 09 23 53-0332	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,094.32	20.36
23 09 23 53-0333		**Pneumatic Thermostats** *(23 09 23 53-0322)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0334	EA	Pneumatic Thermostat (Honeywell TP970B2182)	339.66	20.36
23 09 23 53-0335		**Thermostats Guards** *(23 09 23 53-0322)*		
23 09 23 53-0336	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	81.97	20.36
23 09 23 53-0337	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	97.87	20.36
23 09 23 53-0338	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	92.14	20.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0339		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0340		**Software** *(23 09 23 53-0339)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0341	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,573.07	
23 09 23 53-0342	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	25,513.87	
23 09 23 53-0343	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,256.55	
23 09 23 53-0344	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,906.01	
23 09 23 53-0345	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,379.29	
23 09 23 53-0346	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,267.55	
23 09 23 53-0347	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,260.16	
23 09 23 53-0348	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	456.84	
23 09 23 53-0349		**Supervisory Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0350	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	9,428.53	543.10
23 09 23 53-0351	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	14,625.76	543.10
23 09 23 53-0352	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,834.51	543.10
23 09 23 53-0353	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	7,426.58	543.10
23 09 23 53-0354		**Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0355	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,095.39	135.78
23 09 23 53-0356	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,441.93	271.55
23 09 23 53-0357	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,881.51	271.55
23 09 23 53-0358	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,228.05	271.55
23 09 23 53-0359	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	896.57	135.78
23 09 23 53-0360	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	984.94	135.78
23 09 23 53-0361	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,117.49	135.78
23 09 23 53-0362	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,135.15	135.78
23 09 23 53-0363	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,318.22	271.55
23 09 23 53-0364	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,111.48	135.78
23 09 23 53-0365	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,615.45	135.78
23 09 23 53-0366		**Master FX Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0367	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,926.11	271.55
23 09 23 53-0368	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	3,135.51	271.55
23 09 23 53-0369	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,239.57	271.55
23 09 23 53-0370	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	3,176.33	271.55
23 09 23 53-0371	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	3,077.50	271.55
23 09 23 53-0372	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	3,093.35	271.55
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	3,077.50	271.55
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	3,135.74	271.55
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,316.59	271.55
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,437.15	271.55
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,376.86	271.55
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,253.46	271.55
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	3,135.74	271.55
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,316.59	271.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,437.15	271.55
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,376.86	271.55
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,253.46	271.55
23 09 23 53-0384	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	349.38	67.89
23 09 23 53-0385	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	497.74	67.89
23 09 23 53-0386	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	391.02	67.89
23 09 23 53-0387	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	349.38	67.89
23 09 23 53-0388	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	966.89	67.89
23 09 23 53-0389	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	890.58	67.89
23 09 23 53-0390	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	908.45	67.89
23 09 23 53-0391	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	908.45	67.89
23 09 23 53-0392	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	997.71	67.89
23 09 23 53-0393	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	997.71	67.89
23 09 23 53-0394	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,254.32	67.89
23 09 23 53-0395	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,254.32	67.89
23 09 23 53-0396	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,399.36	67.89
23 09 23 53-0397	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,399.36	67.89
23 09 23 53-0398		**VAV, Network And Special Sensors** *(23 09 23 53-0339)*		
23 09 23 53-0399	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	659.32	43.44
23 09 23 53-0400	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	221.13	43.44
23 09 23 53-0401	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	510.45	43.44
23 09 23 53-0402	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	763.14	43.44
23 09 23 53-0403	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	253.94	43.44
23 09 23 53-0404	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	691.89	43.44
23 09 23 53-0405		**Sensors - Hard Wired Type** *(23 09 23 53-0339)*		
23 09 23 53-0406	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	215.31	78.20
23 09 23 53-0407	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	183.61	43.44
23 09 23 53-0408	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	513.36	20.36
23 09 23 53-0409	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	694.72	20.36
23 09 23 53-0410	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	514.36	20.36
23 09 23 53-0411	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	675.71	43.44
23 09 23 53-0412	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	832.66	43.44
23 09 23 53-0413		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0414		**Kitchen Ventilation Controllers** *(23 09 23 53-0413)*		
23 09 23 53-0415	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,945.62	543.10
23 09 23 53-0416	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	2,069.12	112.02
23 09 23 53-0417	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,384.84	452.13
23 09 23 53-0418		**Kitchen Ventilation Sensors** *(23 09 23 53-0413)*		
23 09 23 53-0419	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	611.53	78.20
23 09 23 53-0420	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,245.74	434.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0421		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0422	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	495.01	20.36
23 09 23 53-0423	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	349.73	20.36
23 09 23 53-0424	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	362.21	91.73
23 09 23 53-0425	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	547.99	91.73
23 09 23 53-0426	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	83.73	13.58
23 09 23 53-0427	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	280.23	135.78
23 09 23 53-0428	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	456.32	23.56
23 09 23 53-0429	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	804.90	42.79
23 09 23 53-0430	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,619.56	42.79
23 09 23 53-0431	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,370.17	54.19
23 09 23 53-0432	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	362.27	78.20
23 09 23 53-0433	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	303.70	43.44
23 09 23 53-0434	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	661.33	64.09
23 09 23 53-0435	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	120.49	6.78
23 09 23 53-0436	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,070.80	130.34
23 09 23 53-0437	EA	MMI Extension Cable (Siemens 545-712)	313.96	6.78
23 09 23 53-0438	EA	Remote Pressure Transmitter (Siemens 547-003)	1,586.65	43.44
23 09 23 53-0439	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	975.50	32.59
23 09 23 53-0440	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	847.97	86.90
23 09 23 53-0441	EA	Door Lock And Key Assembly (Siemens 567-225)	47.09	27.16
23 09 23 53-0442	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	16,083.24	
23 09 23 53-0443	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	579.77	
23 09 23 53-0444	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,549.66	
23 09 23 53-0445	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	535.98	14.22
23 09 23 53-0446	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,127.79	24.66
23 09 23 53-0447	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,557.44	54.31
23 09 23 53-0448	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,438.18	54.31
23 09 23 53-0449	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	194.31	20.36
23 09 23 53-0450	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	497.94	59.44
23 09 23 53-0451	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	530.55	59.44
23 09 23 53-0452	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,668.72	
23 09 23 53-0453	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	942.74	
23 09 23 53-0454	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	3,034.12	
23 09 23 53-0455	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,172.01	
23 09 23 53-0456	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,867.16	
23 09 23 53-0457	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,520.18	
23 09 23 53-0458	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	878.84	2.71
23 09 23 53-0459	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	980.70	10.87
23 09 23 53-0460	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	497.40	2.71
23 09 23 53-0461	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	496.02	76.03
23 09 23 53-0462	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	862.13	76.03
23 09 23 53-0463	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,208.07	86.90
23 09 23 53-0464	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	44.81	13.58
23 09 23 53-0465	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	867.56	33.94
23 09 23 53-0466	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,391.46	33.94
23 09 23 53-0467	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,060.58	33.94
23 09 23 53-0468	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,612.07	33.94
23 09 23 53-0469	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,715.83	67.89
23 09 23 53-0470	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	6,098.83	67.89
23 09 23 53-0471	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,947.92	67.89
23 09 23 53-0472	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,913.09	67.89
23 09 23 53-0473	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,287.10	67.89
23 09 23 53-0474	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,039.29	67.89
23 09 23 53-0475	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,788.52	67.89
23 09 23 53-0476	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,046.76	67.89
23 09 23 53-0477	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,982.70	67.89
23 09 23 53-0478	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,214.08	67.89
23 09 23 53-0479	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,976.86	67.89
23 09 23 53-0480	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,212.50	67.89
23 09 23 53-0481	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,140.11	67.89
23 09 23 53-0482	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,258.83	67.89
23 09 23 53-0483	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,400.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0484	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	559.43	33.94
23 09 23 53-0485	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	408.19	33.94
23 09 23 53-0486	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	929.44	27.16
23 09 23 53-0487	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	315.75	33.94
23 09 23 53-0488	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	309.26	43.44
23 09 23 53-0489	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	154.41	33.94
23 09 23 53-0490	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	115.73	33.94
23 09 23 53-0491	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	339.37	67.89
23 09 23 53-0492	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	217.44	50.91
23 09 23 53-0493	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,785.17	437.46
23 09 23 53-0494	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	40.85	13.58
23 09 23 53-0495	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.92	
23 09 23 53-0496	EA	16 Digital Input Module (Siemens TXM1.16D)	695.18	13.58
23 09 23 53-0497	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,052.01	13.58
23 09 23 53-0498	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,688.81	27.16
23 09 23 53-0499	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	516.24	8.14
23 09 23 53-0500		**Trane Controls** *(23 09 23 53)*		
23 09 23 53-0501		**Software** *(23 09 23 53-0500)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0502	EA	Summit + Building Management Package (Trane 40201152)	7,993.19	
23 09 23 53-0503	EA	Summit Current Version Software (Trane 40201111)	4,519.26	
23 09 23 53-0504	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,088.90	
23 09 23 53-0505	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,492.05	
23 09 23 53-0506	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,393.50	
23 09 23 53-0507		**EMCS Central Equipment And Controllers** *(23 09 23 53-0500)*		
23 09 23 53-0508	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	7,022.66	543.10
23 09 23 53-0509	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,860.00	543.10
23 09 23 53-0510	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,860.00	543.10
23 09 23 53-0511	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,941.10	543.10
23 09 23 53-0512	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	16,172.18	543.10
23 09 23 53-0513	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	246.86	33.94
23 09 23 53-0514	EA	Summit Comm5 Repeater (Trane 49500457)	1,905.08	271.55
23 09 23 53-0515	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,228.44	339.44
23 09 23 53-0516	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	4,140.46	407.33
23 09 23 53-0517	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,253.76	407.33
23 09 23 53-0518	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,753.50	407.33
23 09 23 53-0519	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,750.71	407.33
23 09 23 53-0520	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,237.73	135.78
23 09 23 53-0521	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,127.51	135.78
23 09 23 53-0522	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	2,034.67	271.55
23 09 23 53-0523	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,943.27	271.55
23 09 23 53-0524	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,087.13	135.78
23 09 23 53-0525	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	954.41	135.78
23 09 23 53-0526	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,413.72	135.78
23 09 23 53-0527	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,281.72	135.78
23 09 23 53-0528	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,098.95	135.78
23 09 23 53-0529	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	1,048.26	135.78
23 09 23 53-0530	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,203.90	135.78
23 09 23 53-0531	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,098.95	135.78
23 09 23 53-0532	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,535.24	271.55
23 09 23 53-0533	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,665.77	271.55
23 09 23 53-0534		**Network, VAV And Special Sensors** *(23 09 23 53-0500)*		
23 09 23 53-0535	EA	Digital Display Zone Sensor (Trane X13790464010)	259.01	43.44
23 09 23 53-0536	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	173.51	43.44
23 09 23 53-0537	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	159.09	43.44
23 09 23 53-0538	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	318.94	48.88
23 09 23 53-0539	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	193.22	43.44
23 09 23 53-0540	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	193.22	43.44
23 09 23 53-0541	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	670.37	78.20
23 09 23 53-0542	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	612.31	43.44
23 09 23 53-0543	EA	Transformer 120/24 40 VA (Trane X13550284010)	151.88	43.44
23 09 23 53-0544	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	146.73	43.44
23 09 23 53-0545	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	138.49	43.44
23 09 23 53-0546	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,718.72	271.55
23 09 23 53-0547	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,648.30	271.55
23 09 23 53-0548	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,501.35	271.55
23 09 23 53-0549	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,671.10	407.33
23 09 23 53-0550	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,501.35	271.55
23 09 23 53-0551	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,575.89	271.55
23 09 23 53-0552	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,581.69	271.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0553	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	576.60	270.39
23 09 23 53-0554	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	824.67	270.39
23 09 23 53-0555	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,983.21	407.33
23 09 23 53-0556	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,869.90	407.33
23 09 23 53-0557	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	177.63	54.11
23 09 23 53-0558	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	635.02	54.11
23 09 23 53-0559	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	3,053.25	407.33
23 09 23 53-0560	EA	BACnet Term (2 Pack) (Trane X1365152401)	282.74	97.35
23 09 23 53-0561	EA	Tracer ES Add License (Trane X40250125010)	3,670.08	
23 09 23 53-0562	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,575.68	543.10
23 09 23 53-0563	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,302.04	543.10
23 09 23 53-0564	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	719.49	97.35
23 09 23 53-0565	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	415.62	97.35
23 09 23 53-0566	EA	Sensor Wireless Display Sensor (Trane X13790822010)	469.18	97.35
23 09 23 53-0567	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	420.77	97.35
23 09 23 53-0568	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	568.95	97.35
23 09 23 53-0569	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	619.41	97.35

23 09 23 53-0570 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0571 Current Switches And Current Sensors *(23 09 23 53-0570)*

23 09 23 53-0572	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	162.18	43.44
23 09 23 53-0573	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	168.36	43.44
23 09 23 53-0574	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	259.01	43.44
23 09 23 53-0575	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	153.94	43.44
23 09 23 53-0576	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	469.14	43.44
23 09 23 53-0577	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	299.94	43.44
23 09 23 53-0578	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	229.32	43.44
23 09 23 53-0579	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	229.32	43.44
23 09 23 53-0580	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	6,108.28	217.24
23 09 23 53-0581	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,552.13	43.44
23 09 23 53-0582	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,358.25	43.44
23 09 23 53-0583	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	245.91	43.44
23 09 23 53-0584	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	369.73	115.40
23 09 23 53-0585	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	370.22	115.40
23 09 23 53-0586	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	394.95	115.40
23 09 23 53-0587	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	401.13	115.40
23 09 23 53-0588	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	436.15	115.40
23 09 23 53-0589	EA	Toggle Switch	151.45	54.31
23 09 23 53-0590	EA	Maintained Pushbutton Switch	161.54	54.31
23 09 23 53-0591	EA	Manual Time Switch	256.68	54.31
23 09 23 53-0592	EA	Emergency Stop Switch	426.82	54.31
23 09 23 53-0593	EA	Float Switch	414.84	54.31
23 09 23 53-0594	EA	Break Glass Switch	1,347.73	54.31
23 09 23 53-0595	EA	Boiler E-Stop Switch	834.14	54.31

23 09 23 53-0596 Relays *(23 09 23 53-0570)*

23 09 23 53-0597	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	134.37	43.44
23 09 23 53-0598	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	147.04	43.44
23 09 23 53-0599	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	207.60	54.31
23 09 23 53-0600	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	260.70	43.44
23 09 23 53-0601	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	125.18	43.44
23 09 23 53-0602	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	123.33	43.44
23 09 23 53-0603	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	134.37	43.44
23 09 23 53-0604	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	140.16	43.44
23 09 23 53-0605	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	141.75	43.44
23 09 23 53-0606	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	154.22	54.31
23 09 23 53-0607	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	205.93	54.31
23 09 23 53-0608	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	365.40	54.31
23 09 23 53-0609	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	363.11	54.31

23 09 23 53-0610 Transformers *(23 09 23 53-0570)*

23 09 23 53-0611	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	160.82	43.44
23 09 23 53-0612	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	175.20	43.44
23 09 23 53-0613	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	175.20	43.44
23 09 23 53-0614	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	188.22	43.44
23 09 23 53-0615	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	196.24	43.44

23 09 23 53-0616 Power Supplies *(23 09 23 53-0570)*

23 09 23 53-0617	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	241.72	43.44
23 09 23 53-0618	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	281.63	43.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0619	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	263.64	43.44
23 09 23 53-0620	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	272.15	43.44
23 09 23 53-0621	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	264.57	43.44
23 09 23 53-0622	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	277.26	43.44
23 09 23 53-0623	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	207.42	43.44
23 09 23 53-0624		Control Damper Actuators *(23 09 23 53-0570)*		
23 09 23 53-0625	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	644.84	122.75
23 09 23 53-0626	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	699.57	122.75
23 09 23 53-0627	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	789.23	122.75
23 09 23 53-0628	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	832.07	122.75
23 09 23 53-0629	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	857.50	122.75
23 09 23 53-0630	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	957.46	122.75

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.83	1.12
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.56	1.15
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.61	1.18
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.81	1.22

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.54	1.12
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.72	1.15
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.10	1.18
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.83	1.22

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.98	1.08
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.90	1.12
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.83	1.18
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.45	1.22

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.91	1.12
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.64	1.18
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.57	1.22
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.75	1.25
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.61	1.29
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	10.38	1.32

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.92	1.25
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.53	1.29
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.63	1.32

23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.30	2.42
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.71	2.77
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.95	3.20
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	11.09	3.68
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	12.61	4.23

23 09 43 00-0034 Brass Couplings *(23 09 43 00-0001)*

See CSI section 22 11 16 00-0390 for copper tubing.

23 09 43 00-0035 Straight Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	13.05	6.09
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	13.19	6.09
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	13.33	6.09

23 09 43 00-0039 Elbow Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	13.83	6.09
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	14.30	6.09
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	21.13	9.48
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	24.18	10.16
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	23.68	10.16

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.82	2.38
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.50	2.56
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.92	2.78
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.16	2.95
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	13.07	3.09
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.61	3.22
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.38	3.43
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.75	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.75	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.09	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.09	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.84	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.73	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.73	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.49	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	170.59	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	274.41	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.79	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.09	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.09	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.84	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.84	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.36	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.36	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.42	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.23	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.20	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.82	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.55	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.35	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	155.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	300.94	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	497.77	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.93	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.51	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	147.78	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	251.73	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	270.54	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	310.18	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.02	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.42	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.91	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.29	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.10	
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.77	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.01	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.52	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.43	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.43	
23 11 23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.48	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.25	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.57	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	115.03	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	119.34	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	169.41	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	209.21	
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.11	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.81	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.05	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.62	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	148.17	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	201.55	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	252.75	
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.64	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.89	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.89	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	101.48	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	194.29	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	307.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.99	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.18	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.03	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.14	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.73	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.52	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.18	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.93	24.94
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.58	26.19
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.30	21.82
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	85.40	25.93
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	104.64	31.17
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	131.47	41.65
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.82	25.93
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.33	31.17
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.80	25.93
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	106.20	31.17
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	206.59	77.94
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.66	25.93
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.66	25.93
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	130.44	25.93
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.84	31.17
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.84	31.17
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	161.61	41.65
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	238.30	46.76
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	124.11	25.93
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	302.87	31.17
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	730.08	46.76
23 11 23 00-0116		**Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)** *(23 11 23)*		
23 11 23 00-0117		**3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	50.09	18.71
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	54.38	19.95
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	58.51	19.95
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	61.23	21.20
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	64.60	21.20
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	71.82	22.45
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	78.38	22.45
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	84.88	23.69

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	50.09	18.71
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	54.38	19.95
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	58.51	19.95
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	61.23	21.20
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	64.60	21.20
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	71.82	22.45
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	78.38	22.45
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	84.88	23.69
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	50.09	18.71
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	54.38	19.95
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	58.51	19.95
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	61.23	21.20
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	64.60	21.20
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	71.82	22.45
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	78.38	22.45
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	84.88	23.69
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	50.09	18.71
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	54.38	19.95
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	68.15	19.95
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	61.23	21.20
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	64.60	21.20
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	71.82	22.45
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	78.38	22.45
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	84.88	23.69
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	53.81	18.71
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	58.99	19.95
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	58.51	19.95
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	67.11	21.20
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	64.60	21.20
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	71.82	22.45
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	78.38	22.45
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	84.88	23.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	50.09	18.71
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	63.97	19.95
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	61.23	21.20
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	64.60	21.20
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	71.82	22.45
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	88.20	22.45
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	84.88	23.69
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	50.09	18.71
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	54.38	19.95
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	58.51	19.95
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	61.23	21.20
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	64.60	21.20
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	71.82	22.45
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	78.38	22.45
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	84.88	23.69
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	50.09	18.71
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	54.38	19.95
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	58.51	19.95
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	61.23	21.20
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	64.60	21.20
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	71.82	22.45
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	78.38	22.45
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	84.88	23.69
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	58.99	19.95
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	58.51	19.95
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	67.11	21.20
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	71.11	21.20
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	80.08	22.45
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	50.09	18.71
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	54.38	19.95
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	54.66	19.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	61.23	21.20
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	59.99	21.20
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	73.22	22.45
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	78.38	22.45
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	84.88	23.69
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	50.09	18.71
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	51.24	19.95
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	52.53	19.95
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	61.23	21.20
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	64.60	21.20
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	65.80	22.45
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	78.38	22.45
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	84.88	23.69
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	50.09	18.71
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	54.38	19.95
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	58.51	19.95
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	61.23	21.20
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	56.79	21.20
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	71.82	22.45
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	78.38	22.45
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	84.88	23.69
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	63.32	18.71
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	67.58	19.95
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	71.71	19.95
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	74.41	21.20
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	77.91	21.20
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	84.71	22.45
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	91.81	22.45
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	98.33	23.69
23 11 23 00-0230		**3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	75.79	24.94
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	80.06	26.19
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	84.18	26.19
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	86.88	27.44

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23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	90.38	27.44
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	97.18	28.68
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	104.28	28.68
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	110.80	29.93
23 11 23 00-0239		**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	75.79	24.94
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	80.06	26.19
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	84.18	26.19
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	86.88	27.44
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	90.38	27.44
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	97.18	28.68
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	104.28	28.68
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	110.80	29.93
23 11 23 00-0248		**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	86.54	24.94
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	90.81	26.19
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	94.93	26.19
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	97.63	27.44
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	101.15	27.44
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	107.94	28.68
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	115.04	28.68
23 11 23 00-0256		**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	86.54	24.94
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	90.81	26.19
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	94.93	26.19
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	101.15	27.44
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	107.94	28.68
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	115.04	28.68
23 11 23 00-0263		**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	86.54	24.94
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	90.81	26.19
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	94.93	26.19
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	97.63	27.44
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	101.15	27.44
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	107.94	28.68
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	115.04	28.68
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	121.55	29.93

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23 11 23 00-0272		**1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	72.95	24.94
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	77.24	26.19
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	81.38	26.19
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	84.05	27.44
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	87.56	27.44
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	94.34	28.68
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	107.94	29.93
23 11 23 00-0280		**1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	84.89	26.19
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	89.87	26.19
23 11 23 00-0283		**Quarter-Turn, Gas Ball Valve** *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	47.41	13.27
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	48.24	13.54
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	68.36	14.89
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	47.09	13.27
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	49.79	13.54
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	54.34	13.54
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	59.94	14.21
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	62.26	14.21
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	62.26	14.21
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	48.82	13.27
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	51.52	13.54
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	63.48	14.21
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	51.74	13.54
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	69.66	14.89
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	48.73	13.27
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	46.86	13.27
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	48.23	13.54
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	65.86	14.89
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	87.53	16.93
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	122.34	17.60
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	144.47	20.31
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	176.94	24.37
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	49.23	13.54
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	65.55	14.89
23 11 23 00-0308		**Gas Stops** *(23 11 23)*		
23 11 23 00-0309		**Brass/Bronze Gas Stops** *(23 11 23 00-0308)*		
		Note: Flat or square head		
23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	61.24	13.54
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	61.34	13.54
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	80.56	14.89
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	113.03	16.93
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	150.27	18.01
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	189.14	20.85
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	261.90	24.65
23 11 23 00-0317		**Iron Body Gas Stops** *(23 11 23 00-0308)*		
23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	82.38	13.54
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	101.26	14.89
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	125.51	16.93
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	162.39	18.01
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	204.37	20.85
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	265.36	24.65
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	513.40	33.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	688.42	38.65
23 11 23 00-0326		**Bronze Body Solenoid Valves, 150 PSI Gas** *(23 11 23)*		
23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	209.51	13.54
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	244.22	13.54
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	311.07	14.89
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	466.26	16.93
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	833.38	20.85
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,417.34	24.65
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,756.21	33.29
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,645.10	38.65

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	24.95	8.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.06*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	29.90	10.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.07*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	39.56	15.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.77*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	46.47	18.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.01*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	54.25	20.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.91*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	73.07	23.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.36*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	97.25	27.90
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-31.43*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	216.12	35.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-39.53*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	191.50	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	225.97	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	270.61	124.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.19*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	325.81	138.78
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-153.09*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	393.11	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	565.00	194.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-218.85*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	727.01	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,601.34	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	191.94	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	226.10	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	271.02	124.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.30*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	339.96	148.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-163.67*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	392.96	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	565.00	194.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-218.85*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,214.39	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,601.34	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	380.52	134.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	470.49	161.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.67*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	535.64	187.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-210.45*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	678.74	222.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-245.60*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	798.85	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	1,004.81	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,606.18	351.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-395.35*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,146.31	427.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-480.62*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	501.94	134.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-150.85*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	643.98	161.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.45*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	756.38	187.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-210.44*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	866.70	222.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-245.60*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	954.05	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,250.26	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,915.76	351.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-395.35*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,483.78	427.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-480.62*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	286.10	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	370.47	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	406.52	124.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.30*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	471.84	148.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-163.67*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	521.16	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	692.85	194.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-218.85*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	885.30	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,209.19	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	231.83	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	266.83	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	302.99	124.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.30*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	370.42	148.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-163.67*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	421.92	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	419.42	194.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-218.85*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	534.82	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	834.52	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	43.07	10.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.07*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	86.07	21.45
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.08*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	142.62	16.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.52*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	164.63	21.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	153.26	15.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.51*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	184.92	23.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.26*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	229.43	26.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.89*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	273.92	28.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-31.55*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	146.16	32.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.77*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	199.51	46.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-52.49*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	243.80	33.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.37*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	365.94	49.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-55.97*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	284.34	34.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-38.54*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	372.60	51.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-57.81*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	158.87	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	191.08	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	221.04	124.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.30*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	265.20	148.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-163.67*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	293.40	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	379.74	194.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-218.85*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	485.35	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	593.67	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	161.97	89.41
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-100.57*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	195.18	107.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.68*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	221.14	116.61
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.08*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	266.44	138.78
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-153.20*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	311.39	155.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.08*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	385.27	186.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.51*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	513.33	234.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-263.57*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	705.60	290.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-326.83*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	135.36	38.53
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	161.29	45.64
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	207.76	67.34
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	290.39	87.29
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	405.72	100.38
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	550.85	119.06
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	703.58	150.22

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,361.66	476.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,724.50	572.37
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,397.63	665.15
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,824.61	830.25
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,392.35	1,038.01
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,645.11	1,248.82
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,869.06	1,546.46

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,365.24	476.86
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,718.21	572.37
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,392.70	665.15
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,795.59	830.25
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,350.32	1,038.01
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,588.20	1,249.39
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,796.32	1,549.96

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,299.81	715.29
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,126.69	862.05
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,663.40	998.23
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,429.45	1,249.98
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,389.45	1,549.96
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,205.89	1,872.82
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	22,097.42	2,270.72

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,807.50	715.29
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,283.00	861.06
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,404.52	998.23
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,356.55	1,249.98
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,437.08	1,549.96
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	20,049.92	1,872.82
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,287.64	2,270.72

23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*

23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,602.25	476.86
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,460.26	572.37
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,722.28	665.15
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,817.27	830.25
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,535.99	1,038.01
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,501.10	1,248.82
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,921.78	1,546.46

23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*

23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,928.45	476.86
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,173.46	572.37
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,436.72	665.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,585.07	830.25
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,140.92	1,038.01
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,149.30	1,248.82
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,269.69	1,546.46
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	420.86	57.24
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	841.27	114.22
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,595.95	87.79
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,812.44	116.38
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,737.66	82.99
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,048.06	124.55
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,103.19	149.64
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,467.61	174.38
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,981.45	248.97
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,674.29	177.18
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,015.06	265.43
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,166.51	182.78
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,080.44	274.18
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,507.85	621.66
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,212.64	830.25
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,805.23	993.77
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,882.52	1,248.82
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,668.96	1,546.46

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,580.16	361.89
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,668.61	438.01
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,834.62	520.37
23 12 13 00-0006		25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,731.01	361.89
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,827.29	438.01
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,923.35	520.37
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,199.59	202.78
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,405.86	227.11
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,539.60	254.57
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,683.34	287.01
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,334.09	319.46
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,841.47	357.51
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,150.67	400.57
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,825.41	447.99
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,498.97	502.27
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,037.62	563.42
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,647.95	631.56

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,312.13	187.19
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,555.68	209.02
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,743.45	218.38
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,977.36	227.74
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,235.84	233.98

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,795.48	840.64
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,226.86	840.64
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,785.17	1,050.73
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	38,046.53	2,052.32
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	60,585.83	2,638.56
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	67,493.70	3,030.45
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,852.21	4,006.90
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	75,333.83	4,302.10
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	91,944.45	5,082.39
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	106,484.76	5,862.16
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	136,227.33	6,446.57
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	161,492.82	7,827.16
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	166,809.05	8,306.66
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	204,647.28	13,176.08
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	251,494.62	17,086.15
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	296,323.72	19,549.67
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	381,152.74	21,015.89
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	516,427.20	21,554.81

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,848.27	840.64
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,090.46	1,050.73
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,918.44	1,300.05
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,985.81	1,583.52
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,048.84	1,857.21
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,212.96	2,443.71
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,507.36	3,714.44
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	16,376.89	4,691.92
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,668.38	5,278.41
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,118.94	6,255.90
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	28,538.15	7,428.88
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	35,073.09	9,286.09
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	44,237.43	12,414.03
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	66,284.65	15,444.24
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	81,274.20	18,572.18
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	115,988.44	26,880.79
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	165,400.02	34,211.91

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,397.81	840.64
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,389.82	1,050.73
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,854.49	1,270.73
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	19,301.78	1,857.34
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,658.67	2,443.71
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,891.21	3,714.44
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	27,686.04	4,691.92
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	34,061.83	5,278.41
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	36,512.40	6,255.90
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	44,216.73	7,428.88
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	60,839.95	9,286.09
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	75,337.58	12,414.03
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	116,486.76	18,572.18

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.87	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.87	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.97	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.95	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23		**Facility Aboveground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 23 13		**Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 13-0001		Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)* Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,224.16	162.57
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,313.54	170.71
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,425.21	182.90
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,633.42	195.09
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,817.62	203.22
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,143.90	243.86
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,873.53	284.50
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,627.30	325.15
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,639.61	365.79
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,171.02	406.43
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,923.58	487.72
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,641.67	569.00
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,380.42	650.30
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,182.45	690.94
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,989.65	731.58
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,905.44	772.22
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,707.47	812.87
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,943.69	975.44
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,884.13	1,056.72
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,156.54	1,219.30
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,434.12	1,381.87
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,475.81	162.57
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,566.92	170.71
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,678.59	182.90
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,885.08	195.09
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,069.27	203.22
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,397.28	243.86
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,151.05	284.50
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,904.81	325.15
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,917.13	365.79
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,448.54	406.43
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,201.09	487.72
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,919.18	569.00
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,657.94	650.30
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,459.96	690.94
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,267.16	731.58
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,184.68	772.22
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,986.70	812.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,221.20	975.44
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,161.64	1,056.72
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,434.05	1,219.30
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,711.64	1,381.87
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,429.01	162.57
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,509.77	170.71
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,583.52	182.90
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,858.96	195.09
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,963.86	203.22
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,279.80	243.86
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,945.66	284.50
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,971.77	325.15
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,591.09	365.79
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,291.15	406.43
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,247.10	487.72
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,830.74	569.00
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,617.76	650.30
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,383.59	690.94
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,390.74	731.58
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,815.28	772.22
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,196.73	812.87
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,962.12	975.44
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,655.80	1,056.72
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,524.61	1,219.30
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,422.72	1,381.87
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,566.64	162.57
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,647.40	170.71
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,721.15	182.90
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,996.59	195.09
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,101.49	203.22
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,417.43	243.86
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,083.29	284.50
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,109.40	325.15
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,804.56	365.79
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,032.33	406.43
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,988.28	487.72
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,573.64	569.00
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,358.94	650.30
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,126.50	690.94
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,131.92	731.58
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,556.46	772.22
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,937.91	812.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,703.30	975.44
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,398.71	1,056.72
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,265.79	1,219.30
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,163.90	1,381.87
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,202.67	162.57
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,292.06	170.71
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,367.53	182.90
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,651.59	195.09
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,804.75	203.22
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,093.12	243.86
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,784.83	284.50
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,859.20	325.15
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,500.92	365.79
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,266.49	406.43
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,270.70	487.72
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,800.90	569.00
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,691.35	650.30
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,615.76	690.94
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,545.34	731.58
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,019.86	772.22
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,375.46	812.87
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,218.41	975.44
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,993.11	1,056.72
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,942.93	1,219.30
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,918.61	1,381.87
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,340.30	162.57
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,429.68	170.71
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,505.16	182.90
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,789.22	195.09
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,942.38	203.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,227.30	243.86
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,922.46	284.50
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,996.83	325.15
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,638.55	365.79
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,007.67	406.43
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,011.88	487.72
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,714.46	569.00
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,432.53	650.30
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,356.94	690.94
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,286.52	731.58
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,761.05	772.22
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,118.36	812.87
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,959.60	975.44
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,734.30	1,056.72
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,684.11	1,219.30
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,659.79	1,381.87
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,212.92	162.57
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,312.92	170.71
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,424.25	182.90
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,624.32	195.09
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,145.25	203.22
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,212.98	243.86
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,776.73	284.50
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,429.21	325.15
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,488.96	365.79
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,626.08	406.43
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,753.57	487.72
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,269.02	569.00
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,786.73	650.30
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,543.87	690.94
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,303.29	731.58
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,964.89	772.22
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,633.28	812.87
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,046.42	975.44
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,365.03	1,056.72
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,855.52	1,219.30
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,295.96	1,381.87
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,278.79	170.71
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,390.37	182.90
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,506.77	195.09
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,710.05	203.22
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,313.35	243.86
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,381.09	284.50
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,972.39	325.15
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,657.36	365.79
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,772.22	406.43
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,968.74	447.08
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,151.35	528.37
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,687.90	609.65
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,226.85	690.94
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	9,022.30	731.58
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,820.14	772.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,514.73	812.87
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,284.23	894.15
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,760.83	1,056.72
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,280.64	1,219.30
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,838.89	1,381.87
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,344.29	1,544.45
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,392.66	162.57
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,515.41	170.71
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,640.40	182.90
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,885.98	195.09
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,504.75	203.22
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,572.48	243.86
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,218.13	284.50
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,977.55	325.15
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,223.25	365.79
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,618.09	406.43
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,948.08	487.72
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,534.06	569.00
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,124.58	650.30
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,025.06	690.94
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,927.82	731.58
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,696.34	772.22
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,483.06	812.87
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,135.11	975.44
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,694.90	1,056.72
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,424.29	1,219.30
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,103.63	1,381.87
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,468.52	170.71
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,604.12	182.90
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,734.92	195.09
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,986.24	203.22
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,692.81	243.86
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,760.55	284.50
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,438.31	325.15
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,236.16	365.79
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,547.30	406.43
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	7,015.87	447.08
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,412.22	528.37
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	9,023.23	609.65
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,639.03	690.94
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,585.78	731.58
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,534.93	772.22
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,342.38	812.87
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,236.78	894.15
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,965.55	1,056.72
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,739.94	1,219.30
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,550.37	1,381.87
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	20,307.94	1,544.45

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,489.69	883.59
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,600.02	1,069.60
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,853.61	1,433.92
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,444.27	1,792.40
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,742.39	2,401.87
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	20,704.09	2,472.51
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	30,091.99	3,056.92
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	41,312.85	3,502.65
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	49,233.96	3,821.05
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	57,148.07	4,203.18
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,263.54	4,670.15
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,024.58	6,004.48
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	107,931.78	7,005.30

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,690.21	1,102.52
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,443.06	1,334.19
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,840.70	1,792.40
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,149.70	2,240.51
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	23,329.90	3,002.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,206.32	3,002.31
		For 1/4" Thick Shell, Add	*6,769.52*	
		For Fireguard® Tanks, Add	*4,082.91*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	33,205.96	3,090.54
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,883.67	3,448.95
		For 1/4" Thick Shell, Add	*9,812.08*	
		For Fireguard® Tanks, Add	*6,132.10*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	48,561.26	3,807.23
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	54,195.54	3,956.85
		For 1/4" Thick Shell, Add	*13,006.93*	
		For Fireguard® Tanks, Add	*8,274.48*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	67,106.75	4,378.34
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	80,182.67	4,776.37
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	93,209.16	5,253.90
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	103,173.34	5,837.79
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	128,776.04	7,505.63
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	152,683.35	8,131.09
		For Fireguard® Tanks, Add	*24,027.39*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	176,590.69	8,756.55

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,852.57	1,334.19
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,762.43	1,478.73
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,965.03	1,792.40
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,891.87	2,240.51
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,584.18	3,002.31

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	6,082.78
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	7,349.94
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	16,054.64
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	17,574.71
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	24,975.41
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	27,981.21
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	36,938.81
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	43,348.32
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	49,251.81
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	59,971.00
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	76,775.61

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	33,770.34	1,817.99
		For Low Profile Tanks, Add	*12,493.45*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	42,541.31	2,052.32
		For Low Profile Tanks, Add	*15,871.04*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	75,524.68	2,443.71
		For Low Profile Tanks, Add	*28,845.94*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	119,602.81	5,374.99
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	136,652.15	5,870.37
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	153,805.47	6,339.57
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	170,932.00	6,879.27
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	188,050.00	7,322.66

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	808.89
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	5,376.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,550.02	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	164.52	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	450.41	
23 13 33 00-0008	EA	Manhole Spill Containment	1,353.84	316.00
23 13 33 00-0009	EA	Fill Adapter, 4"	378.29	210.70
23 13 33 00-0010	EA	Fill Cap, 4"	255.38	79.00
23 13 33 00-0011	EA	2" Vent Cap	154.78	52.71
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	498.44	79.00
23 13 33 00-0013	EA	Float Vent Valve	462.92	157.99
23 13 33 00-0014	EA	Vapor Hose Adapter	484.95	105.29
23 13 33 00-0015	EA	Dust Cap	212.30	57.51
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	508.89	90.25
23 13 33 00-0017	EA	10' Wood Gage Stick	38.68	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	174.20	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	234.26	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	93.26	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	124.88	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	194.30	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,033.73	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	2,033.65	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,406.32	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,622.36	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,874.24	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,116.84	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	5,085.57	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,630.10	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,921.51	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	8,194.91	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	9,173.21	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,595.80	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	51.19	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	57.16	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	62.81	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	75.33	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	78.03	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	101.16	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	157.35	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	271.01	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	58.91	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	64.85	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	70.82	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	87.76	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	93.72	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	115.40	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	176.31	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	297.94	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	60.67	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	69.91	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	78.82	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	101.42	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	131.37	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	202.08	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	313.95	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	70.46	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	82.94	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	101.62	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	123.30	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	126.00	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	178.46	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	315.78	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	559.75	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	62.78	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	80.21	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	82.93	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	85.63	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	117.75	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	147.96	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	255.50	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	292.05	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	358.51	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	413.08	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	475.78	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	598.64	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	777.10	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	858.40	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	262.75	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	263.47	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	383.25	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	391.51	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	526.61	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0001		Threaded Black Steel Pipe *(23 21 13 23)*		
23 21 13 23-0002		Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.		
23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.85	4.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.48*	
		For Work In Restricted Working Space, Add	*5.15*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.85	5.36
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.07*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.38	5.87
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.82*	
		For Work In Restricted Working Space, Add	*5.69*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.39	6.11
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.39*	
		For Work In Restricted Working Space, Add	*6.13*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	34.29	7.23
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.03*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.60	8.73
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.88*	
		For Work In Restricted Working Space, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.30	10.35
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*15.99*	
		For Work In Restricted Working Space, Add	*8.69*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	72.60	13.84
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*20.46*	
		For Work In Restricted Working Space, Add	*10.64*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	96.82	15.53
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*28.88*	
		For Work In Restricted Working Space, Add	*11.21*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	143.49	19.84
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*44.53*	
		For Work In Restricted Working Space, Add	*13.36*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	172.91	23.46
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*54.17*	
		For Work In Restricted Working Space, Add	*15.14*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.41	4.81
		For Schedule 80 Pipe, Add	*1.70*	
		For Work In Restricted Working Space, Add	*2.17*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.18	4.99
		For Schedule 80 Pipe, Add	*2.39*	
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.74	5.36
		For Schedule 80 Pipe, Add	*2.92*	
		For Work In Restricted Working Space, Add	*2.42*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.98	5.87
		For Schedule 80 Pipe, Add	*3.69*	
		For Work In Restricted Working Space, Add	*2.62*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.61	6.11
		For Schedule 80 Pipe, Add	*4.69*	
		For Work In Restricted Working Space, Add	*2.77*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.86	7.23
		For Schedule 80 Pipe, Add	*5.59*	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	26.24	8.73
		For Schedule 80 Pipe, Add	*7.22*	
		For Work In Restricted Working Space, Add	*3.94*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	36.32	10.35
		For Schedule 80 Pipe, Add	*10.89*	
		For Work In Restricted Working Space, Add	*4.68*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	47.94	13.84
		For Schedule 80 Pipe, Add	*14.30*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	63.92	15.53
		For Schedule 80 Pipe, Add	*20.60*	
		For Work In Restricted Working Space, Add	*7.00*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	83.63	19.84
		For Schedule 80 Pipe, Add	*27.24*	
		For Work In Restricted Working Space, Add	*8.91*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	106.25	23.46
		For Schedule 80 Pipe, Add	*35.51*	
		For Work In Restricted Working Space, Add	*10.54*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	147.93	28.37
		For Schedule 80 Pipe, Add	*51.71*	
		For Work In Restricted Working Space, Add	*12.74*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	201.17	34.55
		For Schedule 80 Pipe, Add	*72.37*	
		For Work In Restricted Working Space, Add	*15.56*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	268.82	45.40
		For Schedule 80 Pipe, Add	*97.14*	
		For Work In Restricted Working Space, Add	*20.43*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	32.01	18.45
		For 300 Lb. Rating, Add	*11.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0033		EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	36.23	22.20
			For 300 Lb. Rating, Add	*9.15*	
			For Standard Weight Cast Iron Fittings, Add	*0.05*	
			For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0034		EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	40.82	24.81
			For 300 Lb. Rating, Add	*10.87*	
			For Standard Weight Cast Iron Fittings, Add	*0.06*	
			For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0035		EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	47.82	27.68
			For 300 Lb. Rating, Add	*17.49*	
			For Standard Weight Cast Iron Fittings, Add	*0.10*	
			For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0036		EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	57.37	31.43
			For 300 Lb. Rating, Add	*27.57*	
			For Standard Weight Cast Iron Fittings, Add	*0.16*	
			For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0037		EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	66.63	35.41
			For 300 Lb. Rating, Add	*35.73*	
			For Standard Weight Cast Iron Fittings, Add	*0.22*	
			For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-0038		EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	90.78	45.01
			For 300 Lb. Rating, Add	*60.16*	
			For Standard Weight Cast Iron Fittings, Add	*0.37*	
			For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0039		EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	151.85	66.60
			For 300 Lb. Rating, Add	*131.00*	
			For Standard Weight Cast Iron Fittings, Add	*0.83*	
			For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0040		EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	207.48	87.54
			For 300 Lb. Rating, Add	*190.80*	
			For Standard Weight Cast Iron Fittings, Add	*1.22*	
			For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0041		EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	299.89	90.81
			For 300 Lb. Rating, Add	*401.07*	
			For Standard Weight Cast Iron Fittings, Add	*2.62*	
			For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-0042		EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	620.47	94.78
			For 300 Lb. Rating, Add	*1,156.64*	
			For Standard Weight Cast Iron Fittings, Add	*7.65*	
			For Work In Restricted Working Space, Add	*42.63*	
23 21 13 23-0043		EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	701.15	99.10
			For 300 Lb. Rating, Add	*1,335.15*	
			For Standard Weight Cast Iron Fittings, Add	*8.84*	
			For Work In Restricted Working Space, Add	*44.57*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045		EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	36.16	20.33
			For 300 Lb. Rating, Add	*15.46*	
			For Standard Weight Cast Iron Fittings, Add	*0.09*	
			For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0046		EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	41.09	23.44
			For 300 Lb. Rating, Add	*16.15*	
			For Standard Weight Cast Iron Fittings, Add	*0.09*	
			For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0047		EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	40.64	21.69
			For 300 Lb. Rating, Add	*21.56*	
			For Standard Weight Cast Iron Fittings, Add	*0.13*	
			For Work In Restricted Working Space, Add	*9.74*	
23 21 13 23-0048		EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	46.90	26.31
			For 300 Lb. Rating, Add	*20.39*	
			For Standard Weight Cast Iron Fittings, Add	*0.12*	
			For Work In Restricted Working Space, Add	*11.82*	
23 21 13 23-0049		EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.51	24.94
			For 300 Lb. Rating, Add	*21.68*	
			For Standard Weight Cast Iron Fittings, Add	*0.13*	
			For Work In Restricted Working Space, Add	*11.22*	
23 21 13 23-0050		EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	50.60	23.07
			For 300 Lb. Rating, Add	*40.36*	
			For Standard Weight Cast Iron Fittings, Add	*0.26*	
			For Work In Restricted Working Space, Add	*10.40*	
23 21 13 23-0051		EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.93	29.56
			For 300 Lb. Rating, Add	*32.95*	
			For Standard Weight Cast Iron Fittings, Add	*0.20*	
			For Work In Restricted Working Space, Add	*13.29*	
23 21 13 23-0052		EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.22	28.05
			For 300 Lb. Rating, Add	*36.32*	
			For Standard Weight Cast Iron Fittings, Add	*0.23*	
			For Work In Restricted Working Space, Add	*12.64*	
23 21 13 23-0053		EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	56.61	26.81
			For 300 Lb. Rating, Add	*41.89*	
			For Standard Weight Cast Iron Fittings, Add	*0.26*	
			For Work In Restricted Working Space, Add	*12.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	67.86	33.42
		For 300 Lb. Rating, Add	*45.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.12	31.55
		For 300 Lb. Rating, Add	*45.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*14.19*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.52	30.05
		For 300 Lb. Rating, Add	*51.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	86.04	40.16
		For 300 Lb. Rating, Add	*65.53*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	86.55	38.16
		For 300 Lb. Rating, Add	*73.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*17.17*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	83.80	36.29
		For 300 Lb. Rating, Add	*73.64*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*16.34*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	83.39	34.92
		For 300 Lb. Rating, Add	*77.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*15.69*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	154.38	55.74
		For 300 Lb. Rating, Add	*174.93*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*25.07*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	151.38	51.00
		For 300 Lb. Rating, Add	*184.49*	
		For Standard Weight Cast Iron Fittings, Add	*1.20*	
		For Work In Restricted Working Space, Add	*22.93*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	248.00	77.06
		For 300 Lb. Rating, Add	*324.91*	
		For Standard Weight Cast Iron Fittings, Add	*2.12*	
		For Work In Restricted Working Space, Add	*34.65*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	213.78	66.21
		For 300 Lb. Rating, Add	*280.64*	
		For Standard Weight Cast Iron Fittings, Add	*1.83*	
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	355.97	86.37
		For 300 Lb. Rating, Add	*551.23*	
		For Standard Weight Cast Iron Fittings, Add	*3.62*	
		For Work In Restricted Working Space, Add	*38.86*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	34.19	18.45
		For 300 Lb. Rating, Add	*17.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.31*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	38.18	22.20
		For 300 Lb. Rating, Add	*13.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	43.31	24.81
		For 300 Lb. Rating, Add	*16.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	49.24	27.68
		For 300 Lb. Rating, Add	*20.90*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	60.63	31.43
		For 300 Lb. Rating, Add	*35.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	69.86	35.41
		For 300 Lb. Rating, Add	*43.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	92.78	45.01
		For 300 Lb. Rating, Add	*64.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	173.20	66.60
		For 300 Lb. Rating, Add	*182.24*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*29.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	226.66	87.54
		For 300 Lb. Rating, Add	*236.84*	
		For Standard Weight Cast Iron Fittings, Add	*1.53*	
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	323.25	90.81
		For 300 Lb. Rating, Add	*457.14*	
		For Standard Weight Cast Iron Fittings, Add	*2.99*	
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	881.03	94.78
		For 300 Lb. Rating, Add	*1,781.98*	
		For Standard Weight Cast Iron Fittings, Add	*11.82*	
		For Work In Restricted Working Space, Add	*42.63*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	904.57	99.10
		For 300 Lb. Rating, Add	*1,823.36*	
		For Standard Weight Cast Iron Fittings, Add	*12.10*	
		For Work In Restricted Working Space, Add	*44.57*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	40.89	22.82
		For 300 Lb. Rating, Add	*17.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.39*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	45.56	27.68
		For 300 Lb. Rating, Add	*12.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	53.68	32.05
		For 300 Lb. Rating, Add	*16.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	66.48	37.78
		For 300 Lb. Rating, Add	*26.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	83.27	45.01
		For 300 Lb. Rating, Add	*42.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	100.20	53.62
		For 300 Lb. Rating, Add	*52.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	133.40	66.60
		For 300 Lb. Rating, Add	*86.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	203.79	87.54
		For 300 Lb. Rating, Add	*181.95*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	262.70	104.00
		For 300 Lb. Rating, Add	*265.74*	
		For Standard Weight Cast Iron Fittings, Add	*1.71*	
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	430.22	114.74
		For 300 Lb. Rating, Add	*630.02*	
		For Standard Weight Cast Iron Fittings, Add	*4.13*	
		For Work In Restricted Working Space, Add	*51.60*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	986.75	136.21
		For 300 Lb. Rating, Add	*1,890.21*	
		For Standard Weight Cast Iron Fittings, Add	*12.52*	
		For Work In Restricted Working Space, Add	*61.28*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,073.18	155.71
		For 300 Lb. Rating, Add	*2,029.38*	
		For Standard Weight Cast Iron Fittings, Add	*13.44*	
		For Work In Restricted Working Space, Add	*70.03*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	48.35	27.68
		For 300 Lb. Rating, Add	*18.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	56.81	32.05
		For 300 Lb. Rating, Add	*24.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	67.85	37.78
		For 300 Lb. Rating, Add	*30.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*17.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	89.35	45.01
		For 300 Lb. Rating, Add	*56.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	104.78	53.62
		For 300 Lb. Rating, Add	*63.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	135.07	66.60
		For 300 Lb. Rating, Add	*90.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	241.28	87.54
		For 300 Lb. Rating, Add	*271.92*	
		For Standard Weight Cast Iron Fittings, Add	*1.76*	
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	281.88	104.00
		For 300 Lb. Rating, Add	*311.78*	
		For Standard Weight Cast Iron Fittings, Add	*2.02*	
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	477.61	114.74
		For 300 Lb. Rating, Add	*743.76*	
		For Standard Weight Cast Iron Fittings, Add	*4.89*	
		For Work In Restricted Working Space, Add	*51.60*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	913.11	136.21
		For 300 Lb. Rating, Add	*1,713.47*	
		For Standard Weight Cast Iron Fittings, Add	*11.34*	
		For Work In Restricted Working Space, Add	*61.28*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,037.43	155.71
		For 300 Lb. Rating, Add	*1,943.58*	
		For Standard Weight Cast Iron Fittings, Add	*12.86*	
		For Work In Restricted Working Space, Add	*70.03*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	33.06	18.45
		For 300 Lb. Rating, Add	*14.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.31*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	37.37	22.20
		For 300 Lb. Rating, Add	*11.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	42.05	24.81
		For 300 Lb. Rating, Add	*13.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	48.80	27.68
		For 300 Lb. Rating, Add	*19.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	56.43	31.43
		For 300 Lb. Rating, Add	*25.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	65.72	35.41
		For 300 Lb. Rating, Add	*33.54*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	86.16	45.01
		For 300 Lb. Rating, Add	*49.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	151.51	66.60
		For 300 Lb. Rating, Add	*130.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	201.23	87.54
		For 300 Lb. Rating, Add	*175.80*	
		For Standard Weight Cast Iron Fittings, Add	*1.12*	
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	277.09	90.81
		For 300 Lb. Rating, Add	*346.35*	
		For Standard Weight Cast Iron Fittings, Add	*2.25*	
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	538.87	94.78
		For 300 Lb. Rating, Add	*960.80*	
		For Standard Weight Cast Iron Fittings, Add	*6.35*	
		For Work In Restricted Working Space, Add	*42.63*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	600.57	99.10
		For 300 Lb. Rating, Add	*1,093.76*	
		For Standard Weight Cast Iron Fittings, Add	*7.23*	
		For Work In Restricted Working Space, Add	*44.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0117		**Black Malleable Iron Reducing Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	38.37	22.20
		For 300 Lb. Rating, Add	*14.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	42.64	24.81
		For 300 Lb. Rating, Add	*15.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*11.17*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	50.01	27.68
		For 300 Lb. Rating, Add	*22.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	57.91	31.43
		For 300 Lb. Rating, Add	*28.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	66.78	35.41
		For 300 Lb. Rating, Add	*36.09*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	87.27	45.01
		For 300 Lb. Rating, Add	*51.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	158.50	66.60
		For 300 Lb. Rating, Add	*146.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.94*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	202.66	87.54
		For 300 Lb. Rating, Add	*179.24*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	279.29	90.81
		For 300 Lb. Rating, Add	*351.63*	
		For Standard Weight Cast Iron Fittings, Add	*2.29*	
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	463.76	94.78
		For 300 Lb. Rating, Add	*780.53*	
		For Standard Weight Cast Iron Fittings, Add	*5.15*	
		For Work In Restricted Working Space, Add	*42.63*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	561.70	99.10
		For 300 Lb. Rating, Add	*1,000.47*	
		For Standard Weight Cast Iron Fittings, Add	*6.61*	
		For Work In Restricted Working Space, Add	*44.57*	
23 21 13 23-0129		**Black Malleable Iron Caps** *(23 21 13 23-0014)*		
23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.98	9.85
		For 300 Lb. Rating, Add	*8.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*4.49*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.83	11.09
		For 300 Lb. Rating, Add	*10.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*5.03*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	23.65	12.35
		For 300 Lb. Rating, Add	*12.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.61*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	27.69	13.97
		For 300 Lb. Rating, Add	*16.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.35*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	32.82	15.71
		For 300 Lb. Rating, Add	*22.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*7.16*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	43.37	20.08
		For 300 Lb. Rating, Add	*33.14*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*9.10*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	74.84	29.68
		For 300 Lb. Rating, Add	*74.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*13.47*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	103.24	39.03
		For 300 Lb. Rating, Add	*109.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.71*	
		For Work In Restricted Working Space, Add	*17.72*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	137.03	40.51
		For 300 Lb. Rating, Add	*185.48*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	
		For Work In Restricted Working Space, Add	*18.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	244.47	42.26
		For 300 Lb. Rating, Add	*437.11*	
		For Standard Weight Cast Iron Fittings, Add	*2.89*	
		For Work In Restricted Working Space, Add	*19.18*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	397.78	44.12
		For 300 Lb. Rating, Add	*798.24*	
		For Standard Weight Cast Iron Fittings, Add	*5.29*	
		For Work In Restricted Working Space, Add	*20.06*	
23 21 13 23-0141		**Black Malleable Iron Unions** *(23 21 13 23-0014)*		
23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	42.17	18.45
		For Work In Restricted Working Space, Add	*8.31*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	54.66	27.68
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	63.00	32.05
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	76.30	37.78
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	95.53	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	115.53	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	140.55	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	268.77	98.14
		For Work In Restricted Working Space, Add	*44.18*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	340.04	129.06
		For Work In Restricted Working Space, Add	*58.13*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	46.82	18.45
		For Work In Restricted Working Space, Add	*8.31*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	63.49	27.68
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	69.53	32.05
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	83.14	37.78
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	111.81	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	131.58	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	165.35	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	352.85	98.14
		For Work In Restricted Working Space, Add	*44.18*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	434.37	129.06
		For Work In Restricted Working Space, Add	*58.13*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	627.48	134.00
		For Work In Restricted Working Space, Add	*60.31*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	58.73	18.45
		For Work In Restricted Working Space, Add	*8.31*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	66.65	27.68
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	75.75	32.05
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	92.95	37.78
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	126.57	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	142.43	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	176.51	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	394.73	98.14
		For Work In Restricted Working Space, Add	*44.18*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	513.90	129.06
		For Work In Restricted Working Space, Add	*58.13*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,217.10	134.00
		For Work In Restricted Working Space, Add	*60.31*	
23 21 13 23-0171		**Black Steel Nipples** *(23 21 13 23-0014)*		
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	20.73	11.85
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	20.28	11.85
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	20.64	11.85
		For Schedule 80 Nipples, Add	*1.41*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	23.28	12.84
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	25.98	13.84
		For Schedule 80 Nipples, Add	*2.60*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	27.25	13.84
		For Schedule 80 Nipples, Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	35.62	17.83
		For Schedule 80 Nipples, Add	*4.40*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	60.79	22.20
		For Schedule 80 Nipples, Add	*13.77*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	72.96	26.81
		For Schedule 80 Nipples, Add	*16.37*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	95.97	31.17
		For Schedule 80 Nipples, Add	*24.65*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	21.13	11.85
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.28	11.85
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.85	11.85
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	21.13	11.85
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	20.28	11.85
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.85	11.85
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	23.67	12.84
		For Schedule 80 Nipples, Add	*2.25*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	26.67	13.84
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	27.77	13.84
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.07	11.85
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.73	11.85
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.25	11.85
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.94	12.84
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.04	13.84
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.59	13.84
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	36.92	17.83
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	22.07	11.85
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.73	11.85
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	21.25	11.85
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	23.94	12.84
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	27.04	13.84
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	28.59	13.84
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	36.92	17.83
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	61.52	22.20
		For Schedule 80 Nipples, Add	*14.14*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	75.81	26.81
		For Schedule 80 Nipples, Add	*17.79*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.83	11.85
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.31	11.85
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.07	11.85
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	25.06	12.84
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.19	13.84
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.53	13.84
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	39.04	17.83
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	66.50	22.20
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	82.37	26.81
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	22.83	11.85
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	21.31	11.85
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	22.07	11.85
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	25.06	12.84
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	28.19	13.84
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	29.53	13.84
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	39.04	17.83
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	66.50	22.20
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	82.37	26.81
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	103.71	31.17
		For Schedule 80 Nipples, Add	*28.52*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.04	11.85
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.92	11.85
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	23.16	11.85
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	26.16	12.84
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.65	13.84
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	31.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	40.90	17.83
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	69.77	22.20
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	86.70	26.81
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	111.84	31.17
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	25.04	11.85
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.92	11.85
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	23.16	11.85
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	26.16	12.84
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	29.65	13.84
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	31.47	13.84
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	40.90	17.83
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	69.77	22.20
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	86.70	26.81
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	111.84	31.17
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	25.86	11.85
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	22.40	11.85
		For Schedule 80 Nipples, Add	*2.29*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	23.89	11.85
		For Schedule 80 Nipples, Add	*3.04*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	27.43	12.84
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	31.29	13.84
		For Schedule 80 Nipples, Add	*5.25*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	33.05	13.84
		For Schedule 80 Nipples, Add	*6.13*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	43.32	17.83
		For Schedule 80 Nipples, Add	*8.25*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	71.32	22.20
		For Schedule 80 Nipples, Add	*19.04*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	90.74	26.81
		For Schedule 80 Nipples, Add	*25.26*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	116.33	31.17
		For Schedule 80 Nipples, Add	*34.83*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	31.93	11.85
		For Schedule 80 Nipples, Add	*7.06*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	26.07	11.85
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	27.92	11.85
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	32.68	12.84
		For Schedule 80 Nipples, Add	*6.75*	
		For Work In Restricted Working Space, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	37.75	13.84
		For Schedule 80 Nipples, Add	*8.48*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	40.23	13.84
		For Schedule 80 Nipples, Add	*9.72*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	54.49	17.83
		For Schedule 80 Nipples, Add	*13.84*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	81.69	22.20
		For Schedule 80 Nipples, Add	*24.22*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	108.36	26.81
		For Schedule 80 Nipples, Add	*34.07*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	127.07	31.17
		For Schedule 80 Nipples, Add	*40.20*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	33.65	11.85
		For Schedule 80 Nipples, Add	*7.92*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	27.74	11.85
		For Schedule 80 Nipples, Add	*4.96*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	29.56	11.85
		For Schedule 80 Nipples, Add	*5.87*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	34.95	12.84
		For Schedule 80 Nipples, Add	*7.89*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	41.11	13.84
		For Schedule 80 Nipples, Add	*10.16*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	43.54	13.84
		For Schedule 80 Nipples, Add	*11.38*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	59.34	17.83
		For Schedule 80 Nipples, Add	*16.26*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	87.67	22.20
		For Schedule 80 Nipples, Add	*27.21*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	116.76	26.81
		For Schedule 80 Nipples, Add	*38.27*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	138.23	31.17
		For Schedule 80 Nipples, Add	*45.78*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	35.84	11.85
		For Schedule 80 Nipples, Add	*9.01*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	29.59	11.85
		For Schedule 80 Nipples, Add	*5.89*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	30.86	11.85
		For Schedule 80 Nipples, Add	*6.52*	
		For Work In Restricted Working Space, Add	*5.35*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	37.29	12.84
		For Schedule 80 Nipples, Add	*9.06*	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	43.84	13.84
		For Schedule 80 Nipples, Add	*11.53*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	47.00	13.84
		For Schedule 80 Nipples, Add	*13.11*	
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	64.25	17.83
		For Schedule 80 Nipples, Add	*18.72*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	93.80	22.20
		For Schedule 80 Nipples, Add	*30.28*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	125.17	26.81
		For Schedule 80 Nipples, Add	*42.47*	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	154.00	31.17
		For Schedule 80 Nipples, Add	*53.66*	
		For Work In Restricted Working Space, Add	*14.00*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	35.06	20.33
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	39.36	21.82
		For Work In Restricted Working Space, Add	*9.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	41.85	23.44
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	44.03	23.32
		For Work In Restricted Working Space, Add	*10.48*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	44.22	24.94
		For Work In Restricted Working Space, Add	*11.22*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	46.20	26.31
		For Work In Restricted Working Space, Add	*11.82*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	47.88	25.07
		For Work In Restricted Working Space, Add	*11.30*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	49.92	26.81
		For Work In Restricted Working Space, Add	*12.05*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	50.93	28.05
		For Work In Restricted Working Space, Add	*12.64*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	53.10	29.56
		For Work In Restricted Working Space, Add	*13.29*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	54.14	27.19
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	54.27	28.81
		For Work In Restricted Working Space, Add	*12.95*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	56.25	30.05
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	57.07	31.55
		For Work In Restricted Working Space, Add	*14.19*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	61.19	33.42
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	66.87	31.92
		For Work In Restricted Working Space, Add	*14.35*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	67.11	33.54
		For Work In Restricted Working Space, Add	*15.10*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	66.50	34.92
		For Work In Restricted Working Space, Add	*15.69*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	67.78	36.29
		For Work In Restricted Working Space, Add	*16.34*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	70.53	38.16
		For Work In Restricted Working Space, Add	*17.17*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	75.04	40.16
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	92.66	45.64
		For Work In Restricted Working Space, Add	*20.55*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	94.82	47.13
		For Work In Restricted Working Space, Add	*21.20*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	97.57	48.88
		For Work In Restricted Working Space, Add	*22.02*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	98.93	51.00
		For Work In Restricted Working Space, Add	*22.93*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	105.91	55.74
		For Work In Restricted Working Space, Add	*25.07*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	117.67	56.12
		For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	119.84	57.61
		For Work In Restricted Working Space, Add	*25.93*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	122.58	59.48
		For Work In Restricted Working Space, Add	*26.75*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	124.94	61.48
		For Work In Restricted Working Space, Add	*27.65*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	129.96	66.21
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	146.59	77.06
		For Work In Restricted Working Space, Add	*34.65*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	149.61	56.97
		For Work In Restricted Working Space, Add	*25.65*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	151.65	58.36
		For Work In Restricted Working Space, Add	*26.27*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	154.21	60.11
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	157.02	61.98
		For Work In Restricted Working Space, Add	*27.88*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	160.30	66.42
		For Work In Restricted Working Space, Add	*29.89*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	175.43	76.57
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	190.19	86.37
		For Work In Restricted Working Space, Add	*38.86*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.58	7.36
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	17.03	8.85
		For Work In Restricted Working Space, Add	*3.99*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.62	9.97
		For Work In Restricted Working Space, Add	*4.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	21.32	11.09
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	24.73	12.60
		For Work In Restricted Working Space, Add	*5.65*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	29.47	14.09
		For Work In Restricted Working Space, Add	*6.37*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	38.68	17.96
		For Work In Restricted Working Space, Add	*8.09*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	61.24	26.56
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	81.81	35.04
		For Work In Restricted Working Space, Add	*15.75*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	115.93	36.30
		For Work In Restricted Working Space, Add	*16.34*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	188.83	37.94
		For Work In Restricted Working Space, Add	*17.05*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	222.91	39.57
		For Work In Restricted Working Space, Add	*17.83*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	141.73	49.88
		For Work In Restricted Working Space, Add	*22.45*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	127.09	56.37
		For Work In Restricted Working Space, Add	*25.36*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	138.41	58.36
		For Work In Restricted Working Space, Add	*26.25*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	142.23	63.48
		For Work In Restricted Working Space, Add	*28.56*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	146.30	66.21
		For Work In Restricted Working Space, Add	*29.81*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	169.83	76.69
		For Work In Restricted Working Space, Add	*34.47*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	216.60	97.26
		For Work In Restricted Working Space, Add	*43.76*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	282.11	124.55
		For Work In Restricted Working Space, Add	*56.03*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	357.03	148.35
		For Work In Restricted Working Space, Add	*66.70*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	407.73	170.30
		For Work In Restricted Working Space, Add	*76.60*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	83.12	45.52
		For Work In Restricted Working Space, Add	*20.50*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	90.77	49.88
		For Work In Restricted Working Space, Add	*22.45*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	105.25	56.37
		For Work In Restricted Working Space, Add	*25.36*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	109.65	58.36
		For Work In Restricted Working Space, Add	*26.25*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	119.35	63.48
		For Work In Restricted Working Space, Add	*28.56*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	130.86	66.21
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	164.34	76.69
		For Work In Restricted Working Space, Add	*34.47*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	208.29	97.26
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	292.83	124.55
		For Work In Restricted Working Space, Add	*56.02*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	40.63	
		For Work In Restricted Working Space, Add	*12.19*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	44.68	
		For Work In Restricted Working Space, Add	*13.40*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	48.75	
		For Work In Restricted Working Space, Add	*14.63*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	52.81	
		For Work In Restricted Working Space, Add	*15.84*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	55.52	
		For Work In Restricted Working Space, Add	*16.66*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	58.22	
		For Work In Restricted Working Space, Add	*17.47*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	60.93	
		For Work In Restricted Working Space, Add	*18.28*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	63.64	
		For Work In Restricted Working Space, Add	*19.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	66.35	
		For Work In Restricted Working Space, Add	*19.91*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	71.76	
		For Work In Restricted Working Space, Add	*21.53*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	77.18	
		For Work In Restricted Working Space, Add	*23.15*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	83.95	
		For Work In Restricted Working Space, Add	*25.19*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	89.36	
		For Work In Restricted Working Space, Add	*26.81*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.71	9.48
		For Work In Restricted Working Space, Add	*6.94*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.23	10.12
		For Work In Restricted Working Space, Add	*7.76*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.03	10.75
		For Work In Restricted Working Space, Add	*8.91*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	43.06	10.75
		For Work In Restricted Working Space, Add	*9.32*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	49.38	10.75
		For Work In Restricted Working Space, Add	*10.79*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.15	10.75
		For Work In Restricted Working Space, Add	*12.51*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	66.87	10.50
		For Work In Restricted Working Space, Add	*13.20*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	87.63	12.81
		For Work In Restricted Working Space, Add	*15.90*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	118.91	19.10
		For Work In Restricted Working Space, Add	*18.31*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	179.76	23.73
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	238.81	29.66
		For Work In Restricted Working Space, Add	*32.39*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	300.06	35.83
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	325.78	46.74
		For Work In Restricted Working Space, Add	*41.75*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	375.91	59.31
		For Work In Restricted Working Space, Add	*46.66*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	476.78	73.42
		For Work In Restricted Working Space, Add	*51.20*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	598.84	90.74
		For Work In Restricted Working Space, Add	*58.60*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	735.51	102.84
		For Work In Restricted Working Space, Add	*64.43*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	13.11	5.06
		For Schedule 80 Pipe, Add	*2.12*	
		For Work In Restricted Working Space, Add	*3.04*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.62	6.33
		For Schedule 80 Pipe, Add	*2.69*	
		For Work In Restricted Working Space, Add	*3.80*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	21.00	7.59
		For Schedule 80 Pipe, Add	*3.44*	
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	25.44	8.86
		For Schedule 80 Pipe, Add	*4.20*	
		For Work In Restricted Working Space, Add	*5.31*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	30.27	10.50
		For Schedule 80 Pipe, Add	*5.00*	
		For Work In Restricted Working Space, Add	*6.30*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	34.59	11.89
		For Schedule 80 Pipe, Add	*7.95*	
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	42.71	12.78
		For Schedule 80 Pipe, Add	*10.48*	
		For Work In Restricted Working Space, Add	*7.67*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	59.13	15.81
		For Schedule 80 Pipe, Add	*15.16*	
		For Work In Restricted Working Space, Add	*9.49*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	85.31	25.61
		For Schedule 80 Pipe, Add	*23.00*	
		For Work In Restricted Working Space, Add	*11.76*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	120.52	25.50
		For Schedule 80 Pipe, Add	*33.26*	
		For Schedule 30 Pipe, Deduct	*-19.00*	
		For Work In Restricted Working Space, Add	*15.30*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	159.83	30.72
		For Schedule 80 Pipe, Add	*45.19*	
		For Schedule 30 Pipe, Deduct	*-25.82*	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	204.36	37.13
		For Schedule 80 Pipe, Add	*58.53*	
		For Schedule 30 Pipe, Deduct	*-33.45*	
		For Work In Restricted Working Space, Add	*22.28*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	196.93	39.15
		For Schedule 80 Pipe, Add	*55.22*	
		For Schedule 30 Pipe, Deduct	*-31.56*	
		For Schedule 20 Pipe, Deduct	*-57.18*	
		For Work In Restricted Working Space, Add	*23.49*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	216.83	42.11
		For Schedule 80 Pipe, Add	*61.15*	
		For Schedule 30 Pipe, Deduct	*-34.94*	
		For Schedule 20 Pipe, Deduct	*-63.26*	
		For Work In Restricted Working Space, Add	*25.27*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	274.89	45.55
		For Schedule 80 Pipe, Add	*80.27*	
		For Schedule 30 Pipe, Deduct	*-45.87*	
		For Schedule 20 Pipe, Deduct	*-82.55*	
		For Work In Restricted Working Space, Add	*27.33*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	324.92	54.56
		For Schedule 80 Pipe, Add	*94.62*	
		For Work In Restricted Working Space, Add	*32.74*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	404.27	62.75
		For Schedule 80 Pipe, Add	*119.53*	
		For Work In Restricted Working Space, Add	*37.65*	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.27	3.54
		For Work In Restricted Working Space, Add	*2.13*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.98*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.47	3.92
		For Work In Restricted Working Space, Add	*2.32*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.92*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	15.79	5.06
		For Work In Restricted Working Space, Add	*3.04*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.62*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	19.38	6.33
		For Work In Restricted Working Space, Add	*3.80*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.39*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	24.40	7.59
		For Work In Restricted Working Space, Add	*4.55*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	28.49	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.65*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	33.86	10.50
		For Work In Restricted Working Space, Add	*6.30*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.91*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	44.36	11.89
		For Work In Restricted Working Space, Add	*7.13*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*15.09*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	50.74	12.78
		For Work In Restricted Working Space, Add	*7.67*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.94*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	63.04	15.81
		For Work In Restricted Working Space, Add	*9.49*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*22.34*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	97.75	25.68
		For Work In Restricted Working Space, Add	*11.76*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*38.66*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	139.11	25.50
		For Work In Restricted Working Space, Add	*15.30*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.99*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	187.10	30.72
		For Work In Restricted Working Space, Add	*18.44*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*79.58*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	228.10	37.13
		For Work In Restricted Working Space, Add	*22.28*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*97.29*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	267.49	39.15
		For Work In Restricted Working Space, Add	*23.49*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*117.70*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	308.76	42.11
		For Work In Restricted Working Space, Add	*25.27*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*138.38*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	374.37	45.55
		For Work In Restricted Working Space, Add	*27.33*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*172.30*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	451.14	54.56
		For Work In Restricted Working Space, Add	*32.74*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*207.90*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	568.58	62.75
		For Work In Restricted Working Space, Add	*37.65*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*266.95*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	133.93	75.20
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.35*	
		For Work In Restricted Working Space, Add	*33.81*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	139.84	79.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.50*	
		For Work In Restricted Working Space, Add	*35.58*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	156.44	90.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.73*	
		For Work In Restricted Working Space, Add	*40.56*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	167.11	97.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.82*	
		For Work In Restricted Working Space, Add	*43.76*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	210.99	126.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.37*	
		For Work In Restricted Working Space, Add	*56.93*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	265.50	158.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.74*	
		For Work In Restricted Working Space, Add	*71.16*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	290.12	171.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.13*	
		For Work In Restricted Working Space, Add	*76.89*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	498.93	295.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*103.16*	
		For Work In Restricted Working Space, Add	*132.90*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	868.67	487.60
		For Schedule 80 Or Extra Heavy Fittings, Add	*183.83*	
		For Work In Restricted Working Space, Add	*219.34*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,219.05	642.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*264.52*	
		For Work In Restricted Working Space, Add	*289.14*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,570.14	734.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*355.39*	
		For Work In Restricted Working Space, Add	*330.44*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,120.79	961.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*484.91*	
		For Work In Restricted Working Space, Add	*432.36*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,623.40	1,136.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*608.15*	
		For Work In Restricted Working Space, Add	*511.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,248.30	1,326.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*765.62*	
		For Work In Restricted Working Space, Add	*596.78*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,838.62	1,479.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*918.68*	
		For Work In Restricted Working Space, Add	*665.45*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,868.93	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,199.52*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,682.77	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,434.97*	
		For Work In Restricted Working Space, Add	*771.03*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	673.92	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*155.58*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,172.87	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*275.97*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,250.04	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*299.12*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,913.26	642.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*472.78*	
		For Work In Restricted Working Space, Add	*289.14*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,097.26	642.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*527.98*	
		For Work In Restricted Working Space, Add	*289.14*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,619.13	734.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*670.08*	
		For Work In Restricted Working Space, Add	*330.44*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,619.13	734.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*670.08*	
		For Work In Restricted Working Space, Add	*330.44*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,286.39	979.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,131.71*	
		For Work In Restricted Working Space, Add	*440.59*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,286.39	979.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,131.71*	
		For Work In Restricted Working Space, Add	*440.59*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,786.90	979.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,281.86*	
		For Work In Restricted Working Space, Add	*440.59*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	124.36	71.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.02*	
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	128.16	74.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.76*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	144.60	85.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.97*	
		For Work In Restricted Working Space, Add	*38.33*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	154.72	91.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.94*	
		For Work In Restricted Working Space, Add	*41.36*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	195.20	118.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.83*	
		For Work In Restricted Working Space, Add	*53.51*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	243.49	149.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.54*	
		For Work In Restricted Working Space, Add	*67.16*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	280.95	170.88
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.38*	
		For Work In Restricted Working Space, Add	*76.88*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	483.72	295.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*98.61*	
		For Work In Restricted Working Space, Add	*132.86*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	830.70	487.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*172.53*	
		For Work In Restricted Working Space, Add	*219.08*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,150.17	642.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.85*	
		For Work In Restricted Working Space, Add	*289.14*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,443.68	734.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*317.45*	
		For Work In Restricted Working Space, Add	*330.44*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,934.71	959.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*429.37*	
		For Work In Restricted Working Space, Add	*431.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,377.44	1,137.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*534.12*	
		For Work In Restricted Working Space, Add	*511.75*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,906.50	1,325.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*663.29*	
		For Work In Restricted Working Space, Add	*596.16*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,398.79	1,477.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*787.00*	
		For Work In Restricted Working Space, Add	*664.69*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,226.22	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,006.71*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,842.82	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,182.98*	
		For Work In Restricted Working Space, Add	*771.03*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	253.26	134.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.73*	
		For Work In Restricted Working Space, Add	*60.71*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	253.20	134.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.72*	
		For Work In Restricted Working Space, Add	*60.70*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	286.39	150.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.29*	
		For Work In Restricted Working Space, Add	*67.52*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	314.30	168.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*67.73*	
		For Work In Restricted Working Space, Add	*75.89*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	391.98	225.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*82.13*	
		For Work In Restricted Working Space, Add	*101.32*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	446.86	253.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*94.21*	
		For Work In Restricted Working Space, Add	*113.84*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	535.01	307.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*112.16*	
		For Work In Restricted Working Space, Add	*138.12*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	769.50	444.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*160.95*	
		For Work In Restricted Working Space, Add	*199.71*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,288.78	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*271.15*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,818.42	979.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*391.32*	
		For Work In Restricted Working Space, Add	*440.59*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,299.88	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*510.06*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	3,094.93	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*697.17*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	4,004.21	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*931.40*	
		For Work In Restricted Working Space, Add	*771.03*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,817.88	2,057.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,121.53*	
		For Work In Restricted Working Space, Add	*925.24*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	6,258.83	2,285.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,517.83*	
		For Work In Restricted Working Space, Add	*1,028.05*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	8,227.42	2,571.46
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,063.43*	
		For Work In Restricted Working Space, Add	*1,156.55*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	9,484.70	2,769.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,409.48*	
		For Work In Restricted Working Space, Add	*1,245.52*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	246.93	130.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.49*	
		For Work In Restricted Working Space, Add	*58.82*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	253.20	134.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.72*	
		For Work In Restricted Working Space, Add	*60.70*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	283.14	150.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*61.31*	
		For Work In Restricted Working Space, Add	*67.52*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	311.05	168.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*66.75*	
		For Work In Restricted Working Space, Add	*75.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	399.30	225.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.32*	
		For Work In Restricted Working Space, Add	*101.35*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	447.01	253.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*94.24*	
		For Work In Restricted Working Space, Add	*113.88*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	535.35	307.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*112.26*	
		For Work In Restricted Working Space, Add	*138.12*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	769.98	444.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*161.09*	
		For Work In Restricted Working Space, Add	*199.71*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,289.60	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*271.39*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,820.00	979.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*391.79*	
		For Work In Restricted Working Space, Add	*440.59*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,302.56	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*510.86*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,098.98	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*698.38*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,010.73	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*933.36*	
		For Work In Restricted Working Space, Add	*771.03*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,825.77	2,057.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,123.90*	
		For Work In Restricted Working Space, Add	*925.24*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	6,271.73	2,285.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,521.70*	
		For Work In Restricted Working Space, Add	*1,028.05*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,352.75	2,571.46
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,101.03*	
		For Work In Restricted Working Space, Add	*1,156.55*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	10,044.51	2,769.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,577.42*	
		For Work In Restricted Working Space, Add	*1,245.52*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	154.44	82.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.38*	
		For Work In Restricted Working Space, Add	*36.99*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	166.44	90.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.72*	
		For Work In Restricted Working Space, Add	*40.59*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	163.30	88.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.11*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	180.99	99.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.56*	
		For Work In Restricted Working Space, Add	*44.96*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	172.13	94.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.83*	
		For Work In Restricted Working Space, Add	*42.30*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	168.99	91.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.22*	
		For Work In Restricted Working Space, Add	*41.36*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	197.81	119.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.55*	
		For Work In Restricted Working Space, Add	*53.69*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	203.80	115.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.95*	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	194.94	109.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.22*	
		For Work In Restricted Working Space, Add	*49.32*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	249.51	151.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.95*	
		For Work In Restricted Working Space, Add	*68.29*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	229.87	136.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.52*	
		For Work In Restricted Working Space, Add	*61.27*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	244.93	132.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.63*	
		For Work In Restricted Working Space, Add	*59.57*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	279.48	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.01*	
		For Work In Restricted Working Space, Add	*76.66*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	281.17	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.52*	
		For Work In Restricted Working Space, Add	*76.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	284.76	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*58.60*	
		For Work In Restricted Working Space, Add	*76.66*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	475.11	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*95.93*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	476.80	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*96.44*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	481.90	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*97.97*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	787.25	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*160.28*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	823.83	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*171.26*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,182.08	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*239.14*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,250.15	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*259.56*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,372.51	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*278.94*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,454.35	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.50*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,562.01	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*335.79*	
		For Concentric Reducers, Deduct	*-95.09*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,633.85	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*336.24*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,729.45	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*364.92*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,891.04	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.40*	
		For Concentric Reducers, Deduct	*-136.06*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,631.14	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*335.43*	
		For Concentric Reducers, Deduct	*-52.89*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,008.30	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*422.58*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,058.64	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*437.69*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,560.55	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*588.26*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,378.61	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*511.19*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,526.81	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*555.65*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,584.51	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*572.96*	
		For Concentric Reducers, Deduct	*-210.21*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,234.45	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*767.94*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,557.87	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*864.96*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,015.43	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*673.32*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,348.65	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*473.28*	
		For Concentric Reducers, Deduct	*-46.62*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,093.31	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*696.68*	
		For Concentric Reducers, Deduct	*-284.91*	
		For Work In Restricted Working Space, Add	*660.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,208.13	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*731.13*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,178.89	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,022.36*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,507.66	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*791.14*	
		For Concentric Reducers, Deduct	*-326.54*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,505.02	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*790.35*	
		For Concentric Reducers, Deduct	*-325.70*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,789.26	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,175.62*	
		For Concentric Reducers, Deduct	*-736.66*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,304.38	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,330.16*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,077.08	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,561.97*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,908.08	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*902.56*	
		For Concentric Reducers, Deduct	*-428.15*	
		For Work In Restricted Working Space, Add	*771.03*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,063.77	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*949.27*	
		For Concentric Reducers, Deduct	*-477.97*	
		For Work In Restricted Working Space, Add	*771.03*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,787.11	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,166.27*	
		For Concentric Reducers, Deduct	*-709.44*	
		For Work In Restricted Working Space, Add	*771.03*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,133.20	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,570.10*	
		For Work In Restricted Working Space, Add	*771.04*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,142.52	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,872.89*	
		For Work In Restricted Working Space, Add	*771.04*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	146.29	82.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.94*	
		For Work In Restricted Working Space, Add	*36.99*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	158.29	90.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.28*	
		For Work In Restricted Working Space, Add	*40.59*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	155.15	88.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.67*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	172.84	99.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.12*	
		For Work In Restricted Working Space, Add	*44.96*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	163.98	94.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.39*	
		For Work In Restricted Working Space, Add	*42.30*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	160.84	91.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.78*	
		For Work In Restricted Working Space, Add	*41.36*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	193.66	119.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.31*	
		For Work In Restricted Working Space, Add	*53.69*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	187.97	115.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.20*	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	184.76	109.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.17*	
		For Work In Restricted Working Space, Add	*49.32*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	246.50	151.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.05*	
		For Work In Restricted Working Space, Add	*68.29*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	228.18	136.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.01*	
		For Work In Restricted Working Space, Add	*61.27*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	230.60	132.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.33*	
		For Work In Restricted Working Space, Add	*59.57*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	270.80	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.41*	
		For Work In Restricted Working Space, Add	*76.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	271.94	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.75*	
		For Work In Restricted Working Space, Add	*76.66*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	274.39	170.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.49*	
		For Work In Restricted Working Space, Add	*76.66*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	463.42	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.43*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	467.76	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*93.73*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	467.76	295.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*93.73*	
		For Work In Restricted Working Space, Add	*133.14*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	763.88	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*153.27*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	772.55	482.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*155.87*	
		For Work In Restricted Working Space, Add	*216.83*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,153.80	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*230.65*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,169.26	733.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*235.29*	
		For Work In Restricted Working Space, Add	*329.96*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,369.50	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*278.04*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,363.09	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*276.12*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,443.79	843.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*300.33*	
		For Work In Restricted Working Space, Add	*379.46*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,595.20	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*324.65*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,614.58	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*330.46*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,621.59	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*332.56*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,827.31	977.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*394.28*	
		For Work In Restricted Working Space, Add	*439.76*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,907.99	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*392.49*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,979.82	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*414.04*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,042.24	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*432.77*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0601	EA	14" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,283.44	1,142.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*505.13*	
		For Work In Restricted Working Space, Add	*514.02*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,268.11	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*478.04*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,268.11	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*478.04*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,303.94	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*488.79*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,422.92	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*524.48*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,915.65	1,285.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*672.30*	
		For Work In Restricted Working Space, Add	*578.28*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,574.97	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*541.18*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,666.80	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*568.73*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,705.27	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*580.27*	
		For Work In Restricted Working Space, Add	*660.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,809.91	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*611.66*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,012.46	1,469.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*972.43*	
		For Work In Restricted Working Space, Add	*660.89*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,125.65	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*676.54*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,125.65	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*676.54*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,151.86	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*684.40*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,307.04	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*730.95*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,577.04	1,658.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*811.95*	
		For Work In Restricted Working Space, Add	*746.16*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,292.28	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*717.82*	
		For Work In Restricted Working Space, Add	*771.04*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,308.68	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*722.74*	
		For Work In Restricted Working Space, Add	*771.04*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,340.73	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*732.36*	
		For Work In Restricted Working Space, Add	*771.04*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,082.88	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*955.00*	
		For Work In Restricted Working Space, Add	*771.04*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,229.39	1,714.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*998.95*	
		For Work In Restricted Working Space, Add	*771.04*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	74.03	42.25
		For Schedule 80 Fittings, Add	*14.30*	
		For Work In Restricted Working Space, Add	*18.98*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	81.02	46.42
		For Schedule 80 Fittings, Add	*15.61*	
		For Work In Restricted Working Space, Add	*20.87*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	84.22	48.06
		For Schedule 80 Fittings, Add	*16.25*	
		For Work In Restricted Working Space, Add	*21.63*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	105.09	61.60
		For Schedule 80 Fittings, Add	*19.98*	
		For Work In Restricted Working Space, Add	*27.71*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	124.66	74.24
		For Schedule 80 Fittings, Add	*23.48*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	145.93	85.63
		For Schedule 80 Fittings, Add	*27.73*	
		For Work In Restricted Working Space, Add	*38.52*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	245.22	147.99
		For Schedule 80 Fittings, Add	*45.83*	
		For Work In Restricted Working Space, Add	*66.57*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	410.90	244.49
		For Schedule 80 Fittings, Add	*77.44*	
		For Work In Restricted Working Space, Add	*109.99*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	580.30	342.78
		For Schedule 80 Fittings, Add	*109.86*	
		For Work In Restricted Working Space, Add	*154.15*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	765.24	432.71
		For Schedule 80 Fittings, Add	*148.49*	
		For Work In Restricted Working Space, Add	*194.59*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	863.03	478.39
		For Schedule 80 Fittings, Add	*169.25*	
		For Work In Restricted Working Space, Add	*215.17*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,130.76	571.40
		For Schedule 80 Fittings, Add	*232.14*	
		For Work In Restricted Working Space, Add	*257.01*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,313.21	663.56
		For Schedule 80 Fittings, Add	*269.60*	
		For Work In Restricted Working Space, Add	*298.46*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,467.59	734.74
		For Schedule 80 Fittings, Add	*302.59*	
		For Work In Restricted Working Space, Add	*330.44*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	188.26	95.37
		For 300 Lb. Rating, Add	*46.71*	
		For Work In Restricted Working Space, Add	*42.89*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	223.70	119.02
		For 300 Lb. Rating, Add	*50.43*	
		For Work In Restricted Working Space, Add	*53.53*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	249.34	136.10
		For 300 Lb. Rating, Add	*53.15*	
		For Work In Restricted Working Space, Add	*61.20*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	326.87	179.48
		For 300 Lb. Rating, Add	*68.68*	
		For Work In Restricted Working Space, Add	*80.74*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	496.87	272.20
		For 300 Lb. Rating, Add	*105.04*	
		For Work In Restricted Working Space, Add	*122.40*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	555.93	278.05
		For 300 Lb. Rating, Add	*141.17*	
		For Work In Restricted Working Space, Add	*125.03*	
23 21 13 23-0644	EA	10", 150 Lb., Welded Plain End Black Steel Neck Flange	726.05	348.63
		For 300 Lb. Rating, Add	*197.21*	
		For Work In Restricted Working Space, Add	*156.82*	
23 21 13 23-0645	EA	12", 150 Lb., Welded Plain End Black Steel Neck Flange	889.56	395.60
		For 300 Lb. Rating, Add	*269.80*	
		For Work In Restricted Working Space, Add	*177.93*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,167.29	478.39
		For 300 Lb. Rating, Add	*390.35*	
		For Work In Restricted Working Space, Add	*215.17*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,536.69	555.97
		For 300 Lb. Rating, Add	*579.72*	
		For Work In Restricted Working Space, Add	*250.07*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,910.74	623.35
		For 300 Lb. Rating, Add	*781.44*	
		For Work In Restricted Working Space, Add	*280.38*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,422.54	791.20
		For 300 Lb. Rating, Add	*989.99*	
		For Work In Restricted Working Space, Add	*355.86*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,753.18	857.16
		For 300 Lb. Rating, Add	*1,162.62*	
		For Work In Restricted Working Space, Add	*385.52*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	134.01	95.37
		For 300 Lb. Rating, Add	*30.11*	
		For Work In Restricted Working Space, Add	*34.15*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	165.02	119.02
		For 300 Lb. Rating, Add	*37.91*	
		For Work In Restricted Working Space, Add	*41.74*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	194.91	136.10
		For 300 Lb. Rating, Add	*44.70*	
		For Work In Restricted Working Space, Add	*49.33*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	256.60	179.48
		For 300 Lb. Rating, Add	*60.00*	
		For Work In Restricted Working Space, Add	*64.51*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	380.21	272.20
		For 300 Lb. Rating, Add	*90.79*	
		For Work In Restricted Working Space, Add	*94.87*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	476.94	278.05
		For 300 Lb. Rating, Add	*127.47*	
		For Work In Restricted Working Space, Add	*113.88*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	642.54	348.63
		For 300 Lb. Rating, Add	*201.07*	
		For Work In Restricted Working Space, Add	*142.34*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	834.54	395.60
		For 300 Lb. Rating, Add	*298.43*	
		For Work In Restricted Working Space, Add	*170.81*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	1,051.68	478.39
		For 300 Lb. Rating, Add	*418.42*	
		For Work In Restricted Working Space, Add	*199.28*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,257.05	555.97
		For 300 Lb. Rating, Add	*546.67*	
		For Work In Restricted Working Space, Add	*220.63*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,391.47	623.35
		For 300 Lb. Rating, Add	*611.06*	
		For Work In Restricted Working Space, Add	*241.99*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,542.58	791.20
		For 300 Lb. Rating, Add	*690.47*	
		For Work In Restricted Working Space, Add	*263.34*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,767.08	857.16
		For 300 Lb. Rating, Add	*779.36*	
		For Work In Restricted Working Space, Add	*306.04*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	93.29	33.87
		For 300 Lb. Rating, Add	*27.55*	
		For 600 Lb. Rating, Add	*71.48*	
		For Work In Restricted Working Space, Add	*20.32*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	122.71	40.65
		For 300 Lb. Rating, Add	*41.68*	
		For 600 Lb. Rating, Add	*111.62*	
		For Work In Restricted Working Space, Add	*24.38*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	151.25	54.19
		For 300 Lb. Rating, Add	*45.67*	
		For 600 Lb. Rating, Add	*119.12*	
		For Work In Restricted Working Space, Add	*32.52*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	194.55	67.74
		For 300 Lb. Rating, Add	*61.48*	
		For 600 Lb. Rating, Add	*162.09*	
		For Work In Restricted Working Space, Add	*40.64*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	265.64	88.06
		For 300 Lb. Rating, Add	*90.10*	
		For 600 Lb. Rating, Add	*241.24*	
		For Work In Restricted Working Space, Add	*52.84*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	345.21	101.60
		For 300 Lb. Rating, Add	*134.93*	
		For 600 Lb. Rating, Add	*371.26*	
		For Work In Restricted Working Space, Add	*60.97*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	521.14	121.93
		For 300 Lb. Rating, Add	*247.43*	
		For 600 Lb. Rating, Add	*702.05*	
		For Work In Restricted Working Space, Add	*73.16*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	676.95	142.25
		For 300 Lb. Rating, Add	*343.83*	
		For 600 Lb. Rating, Add	*984.56*	
		For Work In Restricted Working Space, Add	*85.35*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,133.19	162.57
		For 300 Lb. Rating, Add	*680.57*	
		For Work In Restricted Working Space, Add	*97.55*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,217.51	182.90
		For 300 Lb. Rating, Add	*719.78*	
		For Work In Restricted Working Space, Add	*109.74*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,372.16	223.54
		For 300 Lb. Rating, Add	*787.01*	
		For Work In Restricted Working Space, Add	*134.12*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,754.32	243.86
		For 300 Lb. Rating, Add	*1,064.49*	
		For Work In Restricted Working Space, Add	*146.32*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,382.35	284.50
		For 300 Lb. Rating, Add	*1,510.43*	
		For Work In Restricted Working Space, Add	*170.70*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	86.12	
		For Work In Restricted Working Space, Add	*23.90*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	91.04	
		For Work In Restricted Working Space, Add	*25.04*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	97.02	
		For Work In Restricted Working Space, Add	*26.56*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	106.90	
		For Work In Restricted Working Space, Add	*28.46*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	120.14	
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	155.58	
		For Work In Restricted Working Space, Add	*42.16*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	235.27	
		For Work In Restricted Working Space, Add	*54.21*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	325.18	
		For Work In Restricted Working Space, Add	*75.89*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	429.07	
		For Work In Restricted Working Space, Add	*94.87*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	98.50	
		For Work In Restricted Working Space, Add	*27.59*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	104.05	
		For Work In Restricted Working Space, Add	*28.91*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	109.78	
		For Work In Restricted Working Space, Add	*30.35*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	124.65	
		For Work In Restricted Working Space, Add	*33.74*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	139.29	
		For Work In Restricted Working Space, Add	*37.94*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	185.90	
		For Work In Restricted Working Space, Add	*50.58*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	257.76	
		For Work In Restricted Working Space, Add	*60.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	338.87	
		For Work In Restricted Working Space, Add	*79.68*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	451.84	
		For Work In Restricted Working Space, Add	*101.20*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	657.81	
		For Work In Restricted Working Space, Add	*151.78*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	961.91	
		For Work In Restricted Working Space, Add	*202.37*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,186.94	
		For Work In Restricted Working Space, Add	*233.51*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,695.95	
		For Work In Restricted Working Space, Add	*275.98*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	116.76	
		For Work In Restricted Working Space, Add	*32.98*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	123.26	
		For Work In Restricted Working Space, Add	*34.57*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	131.18	
		For Work In Restricted Working Space, Add	*36.65*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	143.68	
		For Work In Restricted Working Space, Add	*39.27*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	161.77	
		For Work In Restricted Working Space, Add	*44.51*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	210.64	
		For Work In Restricted Working Space, Add	*58.17*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	307.23	
		For Work In Restricted Working Space, Add	*74.79*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	425.73	
		For Work In Restricted Working Space, Add	*104.73*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	556.15	
		For Work In Restricted Working Space, Add	*130.91*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.53	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.63*	
		For Hot Dip Galvanized, Add	*6.61*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.57*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.97	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.87*	
		For Hot Dip Galvanized, Add	*8.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.68*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	21.20	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.94*	
		For Hot Dip Galvanized, Add	*8.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.84*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	21.31	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.97*	
		For Hot Dip Galvanized, Add	*8.52*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.92*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	50.27	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*14.08*	
		For Hot Dip Galvanized, Add	*20.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*35.19*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	67.91	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.01*	
		For Hot Dip Galvanized, Add	*27.16*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.54*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	77.69	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*21.75*	
		For Hot Dip Galvanized, Add	*31.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*54.38*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	86.21	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*24.14*	
		For Hot Dip Galvanized, Add	*34.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.35*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	186.69	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*52.27*	
		For Hot Dip Galvanized, Add	*74.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*130.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	192.87	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*54.00*	
		For Hot Dip Galvanized, Add	*77.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*135.01*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	216.62	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*60.65*	
		For Hot Dip Galvanized, Add	*86.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*151.63*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	354.20	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*99.18*	
		For Hot Dip Galvanized, Add	*141.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*247.94*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	505.54	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*141.55*	
		For Hot Dip Galvanized, Add	*202.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*353.88*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	639.25	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*178.99*	
		For Hot Dip Galvanized, Add	*255.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*447.48*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	906.19	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*253.73*	
		For Hot Dip Galvanized, Add	*362.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*634.33*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,428.72	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*400.04*	
		For Hot Dip Galvanized, Add	*571.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,000.10*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,969.32	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*551.41*	
		For Hot Dip Galvanized, Add	*787.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,378.52*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	26.60	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*7.45*	
		For Hot Dip Galvanized, Add	*10.64*	
		For Advanced Fluoropolymer (Blue Coating), Add	*18.62*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	48.65	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*13.62*	
		For Hot Dip Galvanized, Add	*19.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*34.06*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	75.61	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*21.17*	
		For Hot Dip Galvanized, Add	*30.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.93*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	82.15	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*23.00*	
		For Hot Dip Galvanized, Add	*32.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*57.51*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	92.17	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*25.81*	
		For Hot Dip Galvanized, Add	*36.87*	
		For Advanced Fluoropolymer (Blue Coating), Add	*64.52*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	106.00	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*29.68*	
		For Hot Dip Galvanized, Add	*42.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*74.20*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	145.48	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*40.73*	
		For Hot Dip Galvanized, Add	*58.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*101.84*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	223.52	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*62.59*	
		For Hot Dip Galvanized, Add	*89.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*156.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	396.10	
		For Zinc Plated, Add	*110.91*	
		For Hot Dip Galvanized, Add	*158.44*	
		For Advanced Fluoropolymer (Blue Coating), Add	*277.27*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	564.62	
		For Zinc Plated, Add	*158.09*	
		For Hot Dip Galvanized, Add	*225.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*395.23*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	768.19	
		For Zinc Plated, Add	*215.09*	
		For Hot Dip Galvanized, Add	*307.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*537.73*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	1,051.93	
		For Zinc Plated, Add	*294.54*	
		For Hot Dip Galvanized, Add	*420.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*736.35*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,355.97	
		For Zinc Plated, Add	*379.67*	
		For Hot Dip Galvanized, Add	*542.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*949.18*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,443.72	
		For Zinc Plated, Add	*404.24*	
		For Hot Dip Galvanized, Add	*577.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,010.60*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,840.31	
		For Zinc Plated, Add	*515.29*	
		For Hot Dip Galvanized, Add	*736.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,288.22*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,912.40	
		For Zinc Plated, Add	*815.47*	
		For Hot Dip Galvanized, Add	*1,164.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,038.68*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	4,124.47	
		For Zinc Plated, Add	*1,154.85*	
		For Hot Dip Galvanized, Add	*1,649.79*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,887.13*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.53
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.44
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.54
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.65
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	124.45
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	154.51
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	178.58
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	181.06
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	460.88
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	465.55
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	700.22
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	931.62
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	2,395.64
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,778.17
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	3,209.47

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	37.98	
		For 300 Lb. Rating Gasket Set, Add	*0.19*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*4.17*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*4.81*	
		For Work In Restricted Working Space, Add	*11.23*	
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	40.66	
		For 300 Lb. Rating Gasket Set, Add	*0.26*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*5.64*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*6.50*	
		For Work In Restricted Working Space, Add	*11.98*	
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	44.95	
		For 300 Lb. Rating Gasket Set, Add	*0.44*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*9.82*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*11.30*	
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	48.87	
		For 300 Lb. Rating Gasket Set, Add	*0.51*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*11.21*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*12.91*	
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	54.23	
		For 300 Lb. Rating Gasket Set, Add	*0.64*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*14.07*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*16.20*	
		For Work In Restricted Working Space, Add	*15.72*	
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	59.94	
		For 300 Lb. Rating Gasket Set, Add	*0.89*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*19.63*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*22.61*	
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	70.84	
		For 300 Lb. Rating Gasket Set, Add	*1.21*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*26.67*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*30.71*	
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	75.13	
		For 300 Lb. Rating Gasket Set, Add	*1.40*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*30.92*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*35.60*	
		For Work In Restricted Working Space, Add	*21.34*	
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	100.13	
		For 300 Lb. Rating Gasket Set, Add	*2.29*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*50.55*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*58.21*	
		For Work In Restricted Working Space, Add	*28.08*	
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	115.83	
		For 300 Lb. Rating Gasket Set, Add	*2.54*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*56.20*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*64.70*	
		For Work In Restricted Working Space, Add	*32.57*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	133.00	
		For 300 Lb. Rating Gasket Set, Add	*3.31*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*73.05*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*84.11*	
		For Work In Restricted Working Space, Add	*37.07*	
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	163.57	
		For 300 Lb. Rating Gasket Set, Add	*4.84*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*106.83*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*123.00*	
		For Work In Restricted Working Space, Add	*44.93*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	179.36	
		For 300 Lb. Rating Gasket Set, Add	*6.87*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*151.74*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*174.71*	
		For Work In Restricted Working Space, Add	*47.92*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	206.03	
		For 300 Lb. Rating Gasket Set, Add	*8.78*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*193.95*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*223.30*	
		For Work In Restricted Working Space, Add	*54.28*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	217.18	
		For 300 Lb. Rating Gasket Set, Add	*10.50*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*231.82*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*266.91*	
		For Work In Restricted Working Space, Add	*56.16*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	283.03	
		For 300 Lb. Rating Gasket Set, Add	*11.71*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*258.57*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*297.71*	
		For Work In Restricted Working Space, Add	*74.87*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	308.18	
		For 300 Lb. Rating Gasket Set, Add	*12.22*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*269.78*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*310.61*	
		For Work In Restricted Working Space, Add	*81.98*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement		370.61	
		For 300 Lb. Rating Gasket Set, Add		*13.11*	
		For 150 Lb. Rating Teflon Gasket Set, Add		*289.49*	
		For 300 Lb. Rating Teflon Gasket Set, Add		*333.31*	
		For Work In Restricted Working Space, Add		*99.95*	

23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0785	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe		27.08	
		For Work In Restricted Working Space, Add		*8.12*	
23 21 13 23-0786	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe		29.25	
		For Work In Restricted Working Space, Add		*8.78*	
23 21 13 23-0787	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe		32.91	
		For Work In Restricted Working Space, Add		*9.87*	
23 21 13 23-0788	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe		34.53	
		For Work In Restricted Working Space, Add		*10.36*	
23 21 13 23-0789	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe		36.56	
		For Work In Restricted Working Space, Add		*10.97*	
23 21 13 23-0790	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe		39.26	
		For Work In Restricted Working Space, Add		*11.78*	
23 21 13 23-0791	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe		41.98	
		For Work In Restricted Working Space, Add		*12.59*	
23 21 13 23-0792	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe		46.03	
		For Work In Restricted Working Space, Add		*13.81*	
23 21 13 23-0793	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe		50.10	
		For Work In Restricted Working Space, Add		*15.03*	
23 21 13 23-0794	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe		54.16	
		For Work In Restricted Working Space, Add		*16.25*	
23 21 13 23-0795	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe		58.22	
		For Work In Restricted Working Space, Add		*17.47*	
23 21 13 23-0796	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe		63.65	
		For Work In Restricted Working Space, Add		*19.10*	
23 21 13 23-0797	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe		69.06	
		For Work In Restricted Working Space, Add		*20.72*	
23 21 13 23-0798	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe		74.47	
		For Work In Restricted Working Space, Add		*22.34*	
23 21 13 23-0799	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe		79.89	
		For Work In Restricted Working Space, Add		*23.97*	
23 21 13 23-0800	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe		83.96	
		For Work In Restricted Working Space, Add		*25.19*	
23 21 13 23-0801	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe		88.01	
		For Work In Restricted Working Space, Add		*26.40*	
23 21 13 23-0802	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe		93.43	
		For Work In Restricted Working Space, Add		*28.03*	

23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0804	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		29.07	13.91
		For Work In Restricted Working Space, Add		*6.83*	
23 21 13 23-0805	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		32.44	15.17
		For Work In Restricted Working Space, Add		*6.83*	
23 21 13 23-0806	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		34.24	14.93
		For Work In Restricted Working Space, Add		*6.70*	
23 21 13 23-0807	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		42.83	18.97
		For Work In Restricted Working Space, Add		*8.53*	
23 21 13 23-0808	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		69.96	28.08
		For Work In Restricted Working Space, Add		*12.62*	
23 21 13 23-0809	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		87.99	32.39
		For Work In Restricted Working Space, Add		*14.59*	
23 21 13 23-0810	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		118.98	40.33
		For Work In Restricted Working Space, Add		*18.15*	
23 21 13 23-0811	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		144.43	48.63
		For Work In Restricted Working Space, Add		*21.87*	
23 21 13 23-0812	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings		184.39	63.11
		For Work In Restricted Working Space, Add		*28.39*	

23 21 13 23-0813 Welded Plain End Black Steel Half Coupling *(23 21 13 23-0393)*

Note: Threaded Female x Butt Weld Straight Adapter

23 21 13 23-0814	EA	1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling		69.28	45.28
		For Schedule 80 Fittings, Add		*12.29*	
		For Work In Restricted Working Space, Add		*20.38*	
23 21 13 23-0815	EA	3/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling		80.76	52.62
		For Schedule 80 Fittings, Add		*14.36*	
		For Work In Restricted Working Space, Add		*23.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0816	EA	1", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	87.17	56.28
		For Schedule 80 Fittings, Add	*15.61*	
		For Work In Restricted Working Space, Add	*25.31*	
23 21 13 23-0817	EA	1-1/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	99.41	64.01
		For Schedule 80 Fittings, Add	*17.82*	
		For Work In Restricted Working Space, Add	*28.80*	
23 21 13 23-0818	EA	1-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	109.13	69.82
		For Schedule 80 Fittings, Add	*19.65*	
		For Work In Restricted Working Space, Add	*31.42*	
23 21 13 23-0819	EA	2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	141.29	90.31
		For Schedule 80 Fittings, Add	*25.47*	
		For Work In Restricted Working Space, Add	*40.60*	
23 21 13 23-0820	EA	2-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	193.01	118.14
		For Schedule 80 Fittings, Add	*35.77*	
		For Work In Restricted Working Space, Add	*53.12*	
23 21 13 23-0821	EA	3", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	219.52	129.90
		For Schedule 80 Fittings, Add	*41.52*	
		For Work In Restricted Working Space, Add	*58.40*	
23 21 13 23-0822	EA	4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	329.10	196.94
		For Schedule 80 Fittings, Add	*61.81*	
		For Work In Restricted Working Space, Add	*88.60*	
23 21 13 23-0823	EA	6", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	536.35	297.49
		For Schedule 80 Fittings, Add	*105.14*	
		For Work In Restricted Working Space, Add	*133.83*	
23 21 13 23-0824	EA	8", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	747.31	418.16
		For Schedule 80 Fittings, Add	*145.82*	
		For Work In Restricted Working Space, Add	*188.10*	

23 21 13 23-0825 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0826 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0825)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0827 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0826)*

23 21 13 23-0828	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	327.17	58.24
		For Galvanized Fittings, Add	*191.90*	
		For Extra Heavy Weight Fittings, Add	*287.86*	
23 21 13 23-0829	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	364.86	64.85
		For Galvanized Fittings, Add	*214.08*	
		For Extra Heavy Weight Fittings, Add	*321.12*	
23 21 13 23-0830	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	367.62	71.58
		For Galvanized Fittings, Add	*208.30*	
		For Extra Heavy Weight Fittings, Add	*312.44*	
23 21 13 23-0831	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	461.01	83.17
		For Galvanized Fittings, Add	*269.05*	
		For Extra Heavy Weight Fittings, Add	*403.57*	
23 21 13 23-0832	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	627.86	93.15
		For Galvanized Fittings, Add	*390.55*	
		For Extra Heavy Weight Fittings, Add	*585.83*	
23 21 13 23-0833	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	670.79	108.12
		For Galvanized Fittings, Add	*406.94*	
		For Extra Heavy Weight Fittings, Add	*610.42*	
23 21 13 23-0834	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	838.56	119.71
		For Galvanized Fittings, Add	*527.19*	
		For Extra Heavy Weight Fittings, Add	*790.79*	

23 21 13 23-0835 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0826)*

23 21 13 23-0836	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	576.86	61.60
		For Galvanized Fittings, Add	*387.66*	
		For Extra Heavy Weight Fittings, Add	*581.50*	
23 21 13 23-0837	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	603.70	68.21
		For Galvanized Fittings, Add	*401.16*	
		For Extra Heavy Weight Fittings, Add	*601.74*	
23 21 13 23-0838	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	746.40	77.32
		For Galvanized Fittings, Add	*504.34*	
		For Extra Heavy Weight Fittings, Add	*756.52*	
23 21 13 23-0839	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	914.20	82.30
		For Galvanized Fittings, Add	*632.60*	
		For Extra Heavy Weight Fittings, Add	*948.90*	
23 21 13 23-0840	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,042.65	95.65
		For Galvanized Fittings, Add	*719.39*	
		For Extra Heavy Weight Fittings, Add	*1,079.09*	
23 21 13 23-0841	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,440.14	113.98
		For Galvanized Fittings, Add	*1,015.44*	
		For Extra Heavy Weight Fittings, Add	*1,523.16*	

23 21 13 23-0842 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0826)*

23 21 13 23-0843	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	413.96	58.24
		For Galvanized Fittings, Add	*261.34*	
		For Extra Heavy Weight Fittings, Add	*392.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0844	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	434.78	64.85
		For Galvanized Fittings, Add	*270.02*	
		For Extra Heavy Weight Fittings, Add	*405.02*	
23 21 13 23-0845	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	454.41	71.58
		For Galvanized Fittings, Add	*277.73*	
		For Extra Heavy Weight Fittings, Add	*416.59*	
23 21 13 23-0846	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	562.26	83.17
		For Galvanized Fittings, Add	*350.05*	
		For Extra Heavy Weight Fittings, Add	*525.07*	
23 21 13 23-0847	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	791.80	93.15
		For Galvanized Fittings, Add	*521.70*	
		For Extra Heavy Weight Fittings, Add	*782.56*	
23 21 13 23-0848	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	784.10	108.12
		For Galvanized Fittings, Add	*497.59*	
		For Extra Heavy Weight Fittings, Add	*746.39*	
23 21 13 23-0849	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	919.25	119.71
		For Galvanized Fittings, Add	*591.74*	
		For Extra Heavy Weight Fittings, Add	*887.62*	

23 21 13 23-0850 Flanged Steel, Tees *(23 21 13 23-0826)*

23 21 13 23-0851	EA	2" Standard Weight, Flanged Steel, Tee	428.67	87.29
		For Galvanized Fittings, Add	*238.19*	
		For Extra Heavy Weight Fittings, Add	*357.29*	
23 21 13 23-0852	EA	2-1/2" Standard Weight, Flanged Steel, Tee	542.48	97.26
		For Galvanized Fittings, Add	*317.26*	
		For Extra Heavy Weight Fittings, Add	*475.90*	
23 21 13 23-0853	EA	3" Standard Weight, Flanged Steel, Tee	508.03	107.25
		For Galvanized Fittings, Add	*277.74*	
		For Extra Heavy Weight Fittings, Add	*416.60*	
23 21 13 23-0854	EA	4" Standard Weight, Flanged Steel, Tee	705.36	124.82
		For Galvanized Fittings, Add	*414.65*	
		For Extra Heavy Weight Fittings, Add	*621.97*	
23 21 13 23-0855	EA	5" Standard Weight, Flanged Steel, Tee	1,015.16	139.79
		For Galvanized Fittings, Add	*644.53*	
		For Extra Heavy Weight Fittings, Add	*966.79*	
23 21 13 23-0856	EA	6" Standard Weight, Flanged Steel, Tee	1,232.95	162.23
		For Galvanized Fittings, Add	*791.84*	
		For Extra Heavy Weight Fittings, Add	*1,187.76*	
23 21 13 23-0857	EA	8" Standard Weight, Flanged Steel, Tee	1,371.18	187.92
		For Galvanized Fittings, Add	*871.48*	
		For Extra Heavy Weight Fittings, Add	*1,307.22*	

23 21 13 23-0858 Flanged Steel, Reducing Tees *(23 21 13 23-0826)*

23 21 13 23-0859	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	645.98	94.02
		For Galvanized Fittings, Add	*404.06*	
		For Extra Heavy Weight Fittings, Add	*606.08*	
23 21 13 23-0860	EA	3" Standard Weight, Flanged Steel, Reducing Tee	742.91	104.00
		For Galvanized Fittings, Add	*469.63*	
		For Extra Heavy Weight Fittings, Add	*704.45*	
23 21 13 23-0861	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,235.38	118.97
		For Galvanized Fittings, Add	*845.66*	
		For Extra Heavy Weight Fittings, Add	*1,268.48*	
23 21 13 23-0862	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,339.78	134.81
		For Galvanized Fittings, Add	*910.21*	
		For Extra Heavy Weight Fittings, Add	*1,365.31*	
23 21 13 23-0863	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,673.65	154.75
		For Galvanized Fittings, Add	*1,153.37*	
		For Extra Heavy Weight Fittings, Add	*1,730.05*	
23 21 13 23-0864	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,075.97	173.83
		For Galvanized Fittings, Add	*1,452.28*	
		For Extra Heavy Weight Fittings, Add	*2,178.42*	

23 21 13 23-0865 Flanged Steel, Concentric Reducers *(23 21 13 23-0826)*

23 21 13 23-0866	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	596.47	68.21
		For Galvanized Fittings, Add	*395.38*	
		For Extra Heavy Weight Fittings, Add	*593.06*	
23 21 13 23-0867	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	677.69	77.32
		For Galvanized Fittings, Add	*449.38*	
		For Extra Heavy Weight Fittings, Add	*674.06*	
23 21 13 23-0868	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	986.82	88.17
		For Galvanized Fittings, Add	*683.71*	
		For Extra Heavy Weight Fittings, Add	*1,025.57*	
23 21 13 23-0869	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,087.25	95.65
		For Galvanized Fittings, Add	*755.07*	
		For Extra Heavy Weight Fittings, Add	*1,132.61*	
23 21 13 23-0870	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,275.00	113.98
		For Galvanized Fittings, Add	*883.33*	
		For Extra Heavy Weight Fittings, Add	*1,324.99*	

23 21 13 23-0871 Flanged Steel, Eccentric Reducers *(23 21 13 23-0826)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0872	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	647.32	77.32
		For Galvanized Fittings, Add	*425.08*	
		For Extra Heavy Weight Fittings, Add	*637.62*	
23 21 13 23-0873	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	867.96	88.17
		For Galvanized Fittings, Add	*588.62*	
		For Extra Heavy Weight Fittings, Add	*882.94*	

23 21 13 23-0874 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0875 Plain End Piping System Couplings *(23 21 13 23-0874)*

23 21 13 23-0876 Plainlock Plain End Piping System Couplings *(23 21 13 23-0875)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0877	EA	1" Plainlock Plain End Piping System Coupling	176.15	7.48
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0878	EA	1-1/2" Plainlock Plain End Piping System Coupling	180.51	10.35
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0879	EA	2" Plainlock Plain End Piping System Coupling	185.56	13.72
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0880	EA	2-1/2" Plainlock Plain End Piping System Coupling	189.87	16.59
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0881	EA	3" Plainlock Plain End Piping System Coupling	224.56	19.95
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-0882	EA	4" Plainlock Plain End Piping System Coupling	309.57	26.56
		For Galvanized Fittings, Add	*53.93*	
23 21 13 23-0883	EA	6" Plainlock Plain End Piping System Coupling	520.21	43.27
		For Galvanized Fittings, Add	*91.07*	

23 21 13 23-0884 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0875)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0885	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	212.54	10.35
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0886	EA	2" Roust-A-Bout Plain End Piping System Coupling	217.59	13.72
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0887	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	221.91	16.71
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0888	EA	3" Roust-A-Bout Plain End Piping System Coupling	321.66	19.95
		For Galvanized Fittings, Add	*72.94*	
23 21 13 23-0889	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	372.58	23.32
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0890	EA	4" Roust-A-Bout Plain End Piping System Coupling	377.51	26.56
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0891	EA	5" Roust-A-Bout Plain End Piping System Coupling	532.27	33.29
		For Galvanized Fittings, Add	*120.59*	
23 21 13 23-0892	EA	6" Roust-A-Bout Plain End Piping System Coupling	653.99	43.27
		For Galvanized Fittings, Add	*147.28*	
23 21 13 23-0893	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,122.03	51.62
		For Galvanized Fittings, Add	*261.16*	
23 21 13 23-0894	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,450.74	61.10
		For Galvanized Fittings, Add	*339.76*	
23 21 13 23-0895	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,813.84	72.33
		For Galvanized Fittings, Add	*426.34*	
23 21 13 23-0896	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,541.50	79.93
		For Galvanized Fittings, Add	*605.40*	
23 21 13 23-0897	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,451.71	90.41
		For Galvanized Fittings, Add	*829.04*	

23 21 13 23-0898 Plain End Piping System Fittings *(23 21 13 23-0874)*

Note: Cast ductile iron bodies.

23 21 13 23-0899 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0898)*

23 21 13 23-0900	EA	1" Plain End Piping System, 90 Degree Elbow	176.06	13.59
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0901	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	186.56	20.57
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0902	EA	2" Plain End Piping System, 90 Degree Elbow	196.44	27.19
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0903	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	205.34	33.17
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0904	EA	3" Plain End Piping System, 90 Degree Elbow	247.18	40.16
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0905	EA	4" Plain End Piping System, 90 Degree Elbow	352.02	52.88
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0906	EA	5" Plain End Piping System, 90 Degree Elbow	1,043.21	66.21
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0907	EA	6" Plain End Piping System, 90 Degree Elbow	880.49	86.66
		For Galvanized Fittings, Add	*150.12*	
23 21 13 23-0908	EA	8" Plain End Piping System, 90 Degree Elbow	1,739.62	102.88
		For Galvanized Fittings, Add	*317.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0909	EA	10" Plain End Piping System, 90 Degree Elbow	2,172.67	120.21
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-0910	EA	12" Plain End Piping System, 90 Degree Elbow	2,753.36	144.41
		For Galvanized Fittings, Add	*507.37*	

23 21 13 23-0911 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0898)*

23 21 13 23-0912	EA	1" Plain End Piping System, 45 Degree Elbow	176.06	13.59
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0913	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	186.56	20.57
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0914	EA	2" Plain End Piping System, 45 Degree Elbow	196.44	27.19
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0915	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	205.34	33.17
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0916	EA	3" Plain End Piping System, 45 Degree Elbow	247.18	40.16
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0917	EA	4" Plain End Piping System, 45 Degree Elbow	352.02	52.88
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0918	EA	5" Plain End Piping System, 45 Degree Elbow	1,043.21	66.21
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0919	EA	6" Plain End Piping System, 45 Degree Elbow	883.37	86.66
		For Galvanized Fittings, Add	*150.69*	
23 21 13 23-0920	EA	8" Plain End Piping System, 45 Degree Elbow	1,025.40	102.88
		For Galvanized Fittings, Add	*174.21*	
23 21 13 23-0921	EA	10" Plain End Piping System, 45 Degree Elbow	1,395.83	120.21
		For Galvanized Fittings, Add	*243.13*	
23 21 13 23-0922	EA	12" Plain End Piping System, 45 Degree Elbow	1,786.92	144.41
		For Galvanized Fittings, Add	*314.09*	

23 21 13 23-0923 Plain End Piping System, Tees *(23 21 13 23-0898)*

23 21 13 23-0924	EA	1" Plain End Piping System, Tee	240.52	20.57
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0925	EA	1-1/2" Plain End Piping System, Tee	255.97	30.93
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0926	EA	2" Plain End Piping System, Tee	269.60	40.03
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0927	EA	2-1/2" Plain End Piping System, Tee	283.18	49.01
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0928	EA	3" Plain End Piping System, Tee	392.07	60.24
		For Galvanized Fittings, Add	*60.34*	
23 21 13 23-0929	EA	4" Plain End Piping System, Tee	536.35	77.94
		For Galvanized Fittings, Add	*83.92*	
23 21 13 23-0930	EA	5" Plain End Piping System, Tee	1,074.52	101.88
		For Galvanized Fittings, Add	*184.34*	
23 21 13 23-0931	EA	6" Plain End Piping System, Tee	1,328.83	127.57
		For Galvanized Fittings, Add	*227.51*	
23 21 13 23-0932	EA	8" Plain End Piping System, Tee	1,808.85	155.13
		For Galvanized Fittings, Add	*315.24*	
23 21 13 23-0933	EA	10" Plain End Piping System, Tee	2,678.09	180.82
		For Galvanized Fittings, Add	*481.40*	
23 21 13 23-0934	EA	12" Plain End Piping System, Tee	3,580.89	216.60
		For Galvanized Fittings, Add	*651.23*	

23 21 13 23-0935 Plain End Piping System, Reducing Tees *(23 21 13 23-0898)*

23 21 13 23-0936	EA	1-1/2" Plain End Piping System, Reducing Tee	464.10	33.17
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0937	EA	2" Plain End Piping System, Reducing Tee	474.35	40.03
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0938	EA	2-1/2" Plain End Piping System, Reducing Tee	487.93	49.01
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0939	EA	3" Plain End Piping System, Reducing Tee	504.76	60.24
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0940	EA	4" Plain End Piping System, Reducing Tee	728.54	77.94
		For Galvanized Fittings, Add	*122.36*	
23 21 13 23-0941	EA	6" Plain End Piping System, Reducing Tee	1,230.13	127.57
		For Galvanized Fittings, Add	*207.77*	
23 21 13 23-0942	EA	8" Plain End Piping System, Reducing Tee	1,600.79	155.13
		For Galvanized Fittings, Add	*273.63*	
23 21 13 23-0943	EA	10" Plain End Piping System, Reducing Tee	2,380.28	180.82
		For Galvanized Fittings, Add	*421.84*	
23 21 13 23-0944	EA	12" Plain End Piping System, Reducing Tee	3,495.67	216.60
		For Galvanized Fittings, Add	*634.19*	

23 21 13 23-0945 Plain End Piping System, Wyes *(23 21 13 23-0898)*

23 21 13 23-0946	EA	2" Plain End Piping System, Wye	674.04	40.03
		For Galvanized Fittings, Add	*122.82*	
23 21 13 23-0947	EA	2-1/2" Plain End Piping System, Wye	687.62	49.01
		For Galvanized Fittings, Add	*122.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0948	EA	3" Plain End Piping System, Wye	780.63	60.24
		For Galvanized Fittings, Add	*138.05*	
23 21 13 23-0949	EA	4" Plain End Piping System, Wye	1,141.35	77.94
		For Galvanized Fittings, Add	*204.92*	
23 21 13 23-0950	EA	5" Plain End Piping System, Wye	1,399.60	101.88
		For Galvanized Fittings, Add	*249.36*	
23 21 13 23-0951	EA	6" Plain End Piping System, Wye	1,908.14	127.57
		For Galvanized Fittings, Add	*343.38*	
23 21 13 23-0952	EA	8" Plain End Piping System, Wye	2,456.13	155.13
		For Galvanized Fittings, Add	*444.70*	
23 21 13 23-0953	EA	10" Plain End Piping System, Wye	3,549.88	180.82
		For Galvanized Fittings, Add	*655.76*	
23 21 13 23-0954	EA	12" Plain End Piping System, Wye	5,379.29	216.60
		For Galvanized Fittings, Add	*1,010.91*	

23 21 13 23-0955 Plain End Piping System, Laterals *(23 21 13 23-0898)*

23 21 13 23-0956	EA	2" Plain End Piping System, Lateral	717.47	40.03
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-0957	EA	2-1/2" Plain End Piping System, Lateral	731.05	49.01
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-0958	EA	3" Plain End Piping System, Lateral	823.78	60.24
		For Galvanized Fittings, Add	*146.68*	
23 21 13 23-0959	EA	4" Plain End Piping System, Lateral	1,223.74	77.94
		For Galvanized Fittings, Add	*221.40*	
23 21 13 23-0960	EA	5" Plain End Piping System, Lateral	1,595.83	101.88
		For Galvanized Fittings, Add	*288.60*	
23 21 13 23-0961	EA	6" Plain End Piping System, Lateral	2,034.39	127.57
		For Galvanized Fittings, Add	*368.63*	
23 21 13 23-0962	EA	8" Plain End Piping System, Lateral	2,919.87	155.13
		For Galvanized Fittings, Add	*537.44*	
23 21 13 23-0963	EA	10" Plain End Piping System, Lateral	4,064.41	180.82
		For Galvanized Fittings, Add	*758.67*	
23 21 13 23-0964	EA	12" Plain End Piping System, Lateral	5,455.77	216.60
		For Galvanized Fittings, Add	*1,026.21*	

23 21 13 23-0965 Plain End Piping System, Crosses *(23 21 13 23-0898)*

23 21 13 23-0966	EA	2" Plain End Piping System, Cross	803.78	59.98
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-0967	EA	2-1/2" Plain End Piping System, Cross	824.10	73.45
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-0968	EA	3" Plain End Piping System, Cross	963.61	90.41
		For Galvanized Fittings, Add	*103.51*	
23 21 13 23-0969	EA	4" Plain End Piping System, Cross	1,312.71	116.85
		For Galvanized Fittings, Add	*142.20*	
23 21 13 23-0970	EA	5" Plain End Piping System, Cross	1,844.97	152.89
		For Galvanized Fittings, Add	*201.97*	
23 21 13 23-0971	EA	6" Plain End Piping System, Cross	2,419.46	190.79
		For Galvanized Fittings, Add	*266.68*	
23 21 13 23-0972	EA	8" Plain End Piping System, Cross	3,083.39	231.07
		For Galvanized Fittings, Add	*342.13*	
23 21 13 23-0973	EA	10" Plain End Piping System, Cross	4,398.33	270.11
		For Galvanized Fittings, Add	*499.18*	
23 21 13 23-0974	EA	12" Plain End Piping System, Cross	6,245.36	324.97
		For Galvanized Fittings, Add	*719.78*	

23 21 13 23-0975 Plain End Piping System, Adapter Nipples *(23 21 13 23-0898)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0976	EA	1" Plain End Piping System, Adapter Nipple	43.89	7.48
		For Galvanized Fittings, Add	*8.17*	
23 21 13 23-0977	EA	1-1/2" Plain End Piping System, Adapter Nipple	49.15	10.35
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-0978	EA	2" Plain End Piping System, Adapter Nipple	54.07	13.72
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-0979	EA	2-1/2" Plain End Piping System, Adapter Nipple	64.26	16.59
		For Galvanized Fittings, Add	*9.83*	
23 21 13 23-0980	EA	3" Plain End Piping System, Adapter Nipple	78.52	19.95
		For Galvanized Fittings, Add	*12.15*	
23 21 13 23-0981	EA	4" Plain End Piping System, Adapter Nipple	121.15	26.56
		For Galvanized Fittings, Add	*20.31*	
23 21 13 23-0982	EA	6" Plain End Piping System, Adapter Nipple	269.60	33.29
		For Galvanized Fittings, Add	*54.93*	

23 21 13 23-0983 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0898)*

23 21 13 23-0984	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	136.57	17.83
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-0985	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	141.58	21.20
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-0986	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	146.62	24.57
		For Galvanized Fittings, Add	*27.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0987	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	145.39	23.81
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-0988	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	150.31	27.06
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-0989	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	155.28	30.30
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-0990	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	174.77	27.44
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-0991	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	179.20	30.30
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-0992	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	153.34	33.67
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-0993	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	163.00	40.16
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-0994	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	187.76	43.27
		For Galvanized Fittings, Add	*30.74*	
23 21 13 23-0995	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	239.10	34.04
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-0996	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	243.46	37.04
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-0997	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	202.89	40.40
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-0998	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	207.16	43.27
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-0999	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	212.25	46.64
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1000	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	217.11	49.88
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1001	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	594.02	47.01
		For Galvanized Fittings, Add	*130.87*	
23 21 13 23-1002	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	483.79	53.12
		For Galvanized Fittings, Add	*101.02*	
23 21 13 23-1003	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	422.34	59.98
		For Galvanized Fittings, Add	*83.13*	
23 21 13 23-1004	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,073.49	50.76
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1005	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,077.80	53.62
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1006	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	823.17	56.99
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1007	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	827.60	59.98
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1008	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	572.89	63.22
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1009	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	577.41	66.21
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1010	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	467.22	69.84
		For Galvanized Fittings, Add	*90.65*	
23 21 13 23-1011	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	530.38	76.44
		For Galvanized Fittings, Add	*103.94*	
23 21 13 23-1012	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	683.76	71.45
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1013	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	693.82	78.18
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1014	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	783.22	84.92
		For Galvanized Fittings, Add	*164.00*	
23 21 13 23-1015	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	877.66	94.90
		For Galvanized Fittings, Add	*183.83*	

23 21 13 23-1016 Plain End Piping System, Bull Plugs *(23 21 13 23-0898)*

23 21 13 23-1017	EA	1" Plain End Piping System, Bull Plug	349.73	7.48
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1018	EA	1-1/2" Plain End Piping System, Bull Plug	354.09	10.35
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1019	EA	2" Plain End Piping System, Bull Plug	359.01	13.72
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1020	EA	2-1/2" Plain End Piping System, Bull Plug	363.43	16.59
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1021	EA	3" Plain End Piping System, Bull Plug	526.13	19.95
		For Galvanized Fittings, Add	*148.86*	
23 21 13 23-1022	EA	4" Plain End Piping System, Bull Plug	680.82	26.56
		For Galvanized Fittings, Add	*192.28*	
23 21 13 23-1023	EA	5" Plain End Piping System, Bull Plug	1,182.53	33.29
		For Galvanized Fittings, Add	*339.80*	
23 21 13 23-1024	EA	6" Plain End Piping System, Bull Plug	1,575.53	43.27
		For Galvanized Fittings, Add	*453.21*	
23 21 13 23-1025	EA	8" Plain End Piping System, Bull Plug	2,917.47	51.50
		For Galvanized Fittings, Add	*852.05*	
23 21 13 23-1026	EA	10" Plain End Piping System, Bull Plug	5,246.20	60.24
		For Galvanized Fittings, Add	*1,546.75*	
23 21 13 23-1027	EA	12" Plain End Piping System, Bull Plug	8,037.24	72.33
		For Galvanized Fittings, Add	*2,378.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1028		Carbon Steel Piping Systems *(23 21 13 23)*		
23 21 13 23-1029		Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1028)* Note: ASTM A105.		
23 21 13 23-1030		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1031	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	79.22	37.48
23 21 13 23-1032	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	88.78	41.95
23 21 13 23-1033	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	102.69	46.84
23 21 13 23-1034	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	122.85	53.03
23 21 13 23-1035	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	139.12	59.81
23 21 13 23-1036	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	180.61	75.96
23 21 13 23-1037	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	297.62	112.43
23 21 13 23-1038	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	404.47	147.94
23 21 13 23-1039	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	558.55	163.96
23 21 13 23-1040		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1041	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	81.10	37.48
23 21 13 23-1042	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	91.63	41.95
23 21 13 23-1043	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	103.56	46.84
23 21 13 23-1044	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	123.96	53.03
23 21 13 23-1045	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	141.78	59.81
23 21 13 23-1046	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	180.55	75.96
23 21 13 23-1047	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	313.87	112.43
23 21 13 23-1048	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	418.23	147.94
23 21 13 23-1049	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	552.60	163.96
23 21 13 23-1050		Straight Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1051	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	98.54	46.84
23 21 13 23-1052	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	115.12	54.05
23 21 13 23-1053	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	140.16	63.88
23 21 13 23-1054	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	172.15	75.96
23 21 13 23-1055	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	206.41	90.67
23 21 13 23-1056	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	261.26	112.43
23 21 13 23-1057	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	383.49	147.94
23 21 13 23-1058	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	482.91	175.67
23 21 13 23-1059	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	723.30	207.11
23 21 13 23-1060		Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1061	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	99.06	46.84
23 21 13 23-1062	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	115.65	54.05
23 21 13 23-1063	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	140.80	63.88
23 21 13 23-1064	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	173.66	75.96
23 21 13 23-1065	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	208.18	90.67
23 21 13 23-1066	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	263.97	112.43
23 21 13 23-1067	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	389.95	147.94
23 21 13 23-1068	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	492.21	175.67
23 21 13 23-1069	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	690.19	207.11
23 21 13 23-1070		Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1071	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	76.90	37.48
23 21 13 23-1072	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	86.21	41.95
23 21 13 23-1073	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	97.23	46.84
23 21 13 23-1074	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	110.54	53.03
23 21 13 23-1075	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	125.61	59.81
23 21 13 23-1076	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	160.71	75.96
23 21 13 23-1077	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	246.94	112.43
23 21 13 23-1078	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	326.32	147.94
23 21 13 23-1079	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	388.67	163.96
23 21 13 23-1080		Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1081	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	77.95	37.48
23 21 13 23-1082	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	87.36	41.95
23 21 13 23-1083	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	99.08	46.84
23 21 13 23-1084	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	112.76	53.03
23 21 13 23-1085	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	128.91	59.81
23 21 13 23-1086	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	164.24	75.96
23 21 13 23-1087	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	254.72	112.43
23 21 13 23-1088	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	341.97	147.94
23 21 13 23-1089	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	421.19	163.96
23 21 13 23-1090		Half Coupling, Threaded Female x Butt Weld Straight Adapter, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1029)*		
23 21 13 23-1091	EA	1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	70.01	45.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1092	EA	3/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	81.92	52.62
23 21 13 23-1093	EA	1", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	88.47	56.28
23 21 13 23-1094	EA	1-1/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	103.43	64.01
23 21 13 23-1095	EA	1-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	114.61	69.82
23 21 13 23-1096	EA	2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	148.62	90.31
23 21 13 23-1097	EA	2-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	204.31	118.14
23 21 13 23-1098	EA	3", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	248.80	129.90
23 21 13 23-1099	EA	4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	389.92	196.94
23 21 13 23-1100		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1029)*		
23 21 13 23-1101	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	38.21	17.57
23 21 13 23-1102	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	41.52	18.74
23 21 13 23-1103	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Cap	48.13	21.63
23 21 13 23-1104	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	53.22	23.43
23 21 13 23-1105	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	55.56	23.43
23 21 13 23-1106	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	71.82	30.23
23 21 13 23-1107	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	101.75	37.48
23 21 13 23-1108	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Cap	132.89	45.34
23 21 13 23-1109	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	178.26	56.21
23 21 13 23-1110		**Black Cast Iron Square Head Plug** *(23 21 13 23-1029)*		
23 21 13 23-1111	EA	1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	30.56	14.95
23 21 13 23-1112	EA	3/4", 3,000 Lb., Black Cast Iron, Square Head Plug	31.56	14.95
23 21 13 23-1113	EA	1", 3,000 Lb., Black Cast Iron, Square Head Plug	47.20	22.67
23 21 13 23-1114	EA	1-1/4", 3,000 Lb., Black Cast Iron, Square Head Plug	47.40	22.67
23 21 13 23-1115	EA	1-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	48.23	22.67
23 21 13 23-1116	EA	2", 3,000 Lb., Black Cast Iron, Square Head Plug	64.18	30.23
23 21 13 23-1117	EA	2-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	80.38	37.48
23 21 13 23-1118	EA	3", 3,000 Lb., Black Cast Iron, Square Head Plug	99.39	45.34
23 21 13 23-1119	EA	4", 3,000 Lb., Black Cast Iron, Square Head Plug	122.66	56.21
23 21 13 23-1120		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1029)*		
23 21 13 23-1121	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	104.62	46.84
23 21 13 23-1122	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	119.33	54.05
23 21 13 23-1123	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Union	144.16	63.88
23 21 13 23-1124	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	174.56	75.96
23 21 13 23-1125	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	208.96	90.67
23 21 13 23-1126	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Union	259.77	112.43
23 21 13 23-1127	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	333.80	122.20
23 21 13 23-1128	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Union	422.56	147.94
23 21 13 23-1129		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1028)* Note: ASTM A105.		
23 21 13 23-1130		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1131	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	81.49	37.48
23 21 13 23-1132	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	91.37	41.95
23 21 13 23-1133	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	107.47	46.84
23 21 13 23-1134	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	131.76	53.03
23 21 13 23-1135	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	149.49	59.81
23 21 13 23-1136	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	195.84	75.96
23 21 13 23-1137	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	336.26	112.43
23 21 13 23-1138	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	462.15	147.94
23 21 13 23-1139	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	681.04	163.96
23 21 13 23-1140		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1141	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	84.59	37.48
23 21 13 23-1142	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	96.00	41.95
23 21 13 23-1143	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	109.16	46.84
23 21 13 23-1144	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	134.09	53.03
23 21 13 23-1145	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	154.34	59.81
23 21 13 23-1146	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	196.76	75.96
23 21 13 23-1147	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	364.27	112.43
23 21 13 23-1148	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	487.50	147.94
23 21 13 23-1149	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	679.81	163.96
23 21 13 23-1150		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1151	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	103.04	46.84
23 21 13 23-1152	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	121.61	54.05
23 21 13 23-1153	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	151.65	63.88
23 21 13 23-1154	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	190.88	75.96
23 21 13 23-1155	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	229.63	90.67
23 21 13 23-1156	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	294.96	112.43
23 21 13 23-1157	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	464.64	147.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1158	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	604.76	175.67
23 21 13 23-1159	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	1,009.58	207.11
23 21 13 23-1160		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1161	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	99.06	46.84
23 21 13 23-1162	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	115.65	54.05
23 21 13 23-1163	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	140.80	63.88
23 21 13 23-1164	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	173.66	75.96
23 21 13 23-1165	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	208.18	90.67
23 21 13 23-1166	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	263.97	112.43
23 21 13 23-1167	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	389.95	147.94
23 21 13 23-1168	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	492.21	175.67
23 21 13 23-1169	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	690.19	207.11
23 21 13 23-1170		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1171	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	77.84	37.48
23 21 13 23-1172	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	87.33	41.95
23 21 13 23-1173	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	98.95	46.84
23 21 13 23-1174	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	112.70	53.03
23 21 13 23-1175	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	128.51	59.81
23 21 13 23-1176	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	164.96	75.96
23 21 13 23-1177	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 6,000 Lb.	257.62	112.43
23 21 13 23-1178	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	341.05	147.94
23 21 13 23-1179	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	418.04	163.96
23 21 13 23-1180		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1181	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	79.39	37.48
23 21 13 23-1182	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	89.03	41.95
23 21 13 23-1183	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	101.66	46.84
23 21 13 23-1184	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	115.98	53.03
23 21 13 23-1185	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	133.38	59.81
23 21 13 23-1186	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	170.15	75.96
23 21 13 23-1187	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	269.05	112.43
23 21 13 23-1188	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	364.09	147.94
23 21 13 23-1189	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	465.96	163.96
23 21 13 23-1190		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1191	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	40.28	17.57
23 21 13 23-1192	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	44.23	18.74
23 21 13 23-1193	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Cap	51.42	21.63
23 21 13 23-1194	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	57.50	23.43
23 21 13 23-1195	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	61.41	23.43
23 21 13 23-1196	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	79.46	30.23
23 21 13 23-1197	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	119.74	37.48
23 21 13 23-1198	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Cap	161.23	45.34
23 21 13 23-1199	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	222.44	56.21
23 21 13 23-1200		**Black Cast Iron Square Head Plug** *(23 21 13 23-1129)*		
23 21 13 23-1201	EA	1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	30.56	14.95
23 21 13 23-1202	EA	3/4", 6,000 Lb., Black Cast Iron, Square Head Plug	31.57	14.95
23 21 13 23-1203	EA	1", 6,000 Lb., Black Cast Iron, Square Head Plug	47.21	22.67
23 21 13 23-1204	EA	1-1/4", 6,000 Lb., Black Cast Iron, Square Head Plug	47.41	22.67
23 21 13 23-1205	EA	1-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	48.24	22.67
23 21 13 23-1206	EA	2", 6,000 Lb., Black Cast Iron, Square Head Plug	64.20	30.23
23 21 13 23-1207	EA	2-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	80.41	37.48
23 21 13 23-1208	EA	3", 6,000 Lb., Black Cast Iron, Square Head Plug	99.43	45.34
23 21 13 23-1209	EA	4", 6,000 Lb., Black Cast Iron, Square Head Plug	122.71	56.21
23 21 13 23-1210		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1129)*		
23 21 13 23-1211	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	111.31	46.84
23 21 13 23-1212	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	126.19	54.05
23 21 13 23-1213	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Union	154.19	63.88
23 21 13 23-1214	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	188.40	75.96
23 21 13 23-1215	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	225.85	90.67
23 21 13 23-1216	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Union	281.11	112.43
23 21 13 23-1217	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	388.46	122.20
23 21 13 23-1218	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Union	500.03	147.94
23 21 13 23-1219		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1028)* Note: ASTM A106. Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1220		**Schedule 40, Threaded, (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-1219)* Note: Excludes hangers, elbow, tee, or reducer fittings.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1221	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	16.15	3.12
		For Schedule 80, Add	*3.55*	
23 21 13 23-1222	LF	3/8" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.09	4.87
		For Schedule 80, Add	*3.55*	
23 21 13 23-1223	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.85	4.99
		For Schedule 80, Add	*2.98*	
		For Schedule 160, Add	*12.42*	
23 21 13 23-1224	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.79	5.36
		For Schedule 80, Add	*3.51*	
		For Schedule 160, Add	*14.61*	
23 21 13 23-1225	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	21.37	5.87
		For Schedule 80, Add	*4.55*	
		For Schedule 160, Add	*18.96*	
23 21 13 23-1226	LF	1-1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	22.60	6.11
		For Schedule 80, Add	*4.81*	
23 21 13 23-1227	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	28.69	7.23
		For Schedule 80, Add	*6.42*	
		For Schedule 160, Add	*26.76*	
23 21 13 23-1228	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	35.20	8.74
		For Schedule 80, Add	*7.95*	
		For Schedule 160, Add	*33.11*	
23 21 13 23-1229	LF	2-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	36.80	10.35
		For Schedule 80, Add	*7.63*	

23 21 13 23-1230 90 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1231	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	31.10	18.91
23 21 13 23-1232	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	34.03	20.59
23 21 13 23-1233	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	36.98	22.18
23 21 13 23-1234	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	41.35	24.83
23 21 13 23-1235	EA	1", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	46.77	27.73
23 21 13 23-1236	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	56.56	31.57
23 21 13 23-1237	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	66.46	35.41
23 21 13 23-1238	EA	2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	84.30	44.97
23 21 13 23-1239	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	137.36	66.64
23 21 13 23-1240	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	31.95	18.91
23 21 13 23-1241	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	34.62	20.59
23 21 13 23-1242	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	37.30	22.18
23 21 13 23-1243	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	42.41	24.83
23 21 13 23-1244	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	49.08	27.73
23 21 13 23-1245	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	60.46	31.57
23 21 13 23-1246	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	71.97	35.41
23 21 13 23-1247	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	90.39	44.97
23 21 13 23-1248	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	150.92	66.64
23 21 13 23-1249	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	40.30	22.18
23 21 13 23-1250	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	46.19	24.83
23 21 13 23-1251	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	53.05	27.73
23 21 13 23-1252	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	68.02	31.57
23 21 13 23-1253	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	83.12	35.41
23 21 13 23-1254	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	119.97	44.97
23 21 13 23-1255	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	216.81	66.64

23 21 13 23-1256 45 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1257	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	33.09	19.13
23 21 13 23-1258	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	35.21	20.59
23 21 13 23-1259	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	37.72	22.18
23 21 13 23-1260	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	42.25	24.83
23 21 13 23-1261	EA	1", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	47.45	27.73
23 21 13 23-1262	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	55.79	31.57
23 21 13 23-1263	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	64.26	35.41
23 21 13 23-1264	EA	2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	87.69	44.97
23 21 13 23-1265	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	144.92	66.64
23 21 13 23-1266	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	33.23	19.13
23 21 13 23-1267	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	35.67	20.59
23 21 13 23-1268	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	38.45	22.18
23 21 13 23-1269	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	43.15	24.83
23 21 13 23-1270	EA	1", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	49.81	27.73
23 21 13 23-1271	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	60.41	31.57
23 21 13 23-1272	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	71.12	35.41
23 21 13 23-1273	EA	2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	92.29	44.97
23 21 13 23-1274	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	155.15	66.64
23 21 13 23-1275	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	42.37	22.18
23 21 13 23-1276	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	49.93	24.83
23 21 13 23-1277	EA	1", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	54.45	27.73
23 21 13 23-1278	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	72.71	31.57
23 21 13 23-1279	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	91.08	35.41
23 21 13 23-1280	EA	2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	120.49	44.97
23 21 13 23-1281	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	217.98	66.64

23 21 13 23-1282 90 Degree Street Elbows, Screwed Carbon Steel *(23 21 13 23-1219)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1283	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	33.84	18.91
23 21 13 23-1284	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	36.48	20.59
23 21 13 23-1285	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	39.13	22.18
23 21 13 23-1286	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	44.77	24.83
23 21 13 23-1287	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	51.22	27.73
23 21 13 23-1288	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	62.41	31.57
23 21 13 23-1289	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	73.70	35.41
23 21 13 23-1290	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	96.86	44.97
23 21 13 23-1291	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	165.33	66.64
23 21 13 23-1292	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	46.97	22.18
23 21 13 23-1293	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	60.71	24.83
23 21 13 23-1294	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	77.89	27.73
23 21 13 23-1295	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	112.42	31.57
23 21 13 23-1296	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	147.05	35.41
23 21 13 23-1297	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	215.09	44.92
23 21 13 23-1298	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	428.55	66.64
23 21 13 23-1299		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1300	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	41.23	24.96
23 21 13 23-1301	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Tee	43.86	26.33
23 21 13 23-1302	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	46.39	27.73
23 21 13 23-1303	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	54.52	32.00
23 21 13 23-1304	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Tee	65.65	37.82
23 21 13 23-1305	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	82.48	45.80
23 21 13 23-1306	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	99.29	53.67
23 21 13 23-1307	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	123.11	66.56
23 21 13 23-1308	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	183.25	87.60
23 21 13 23-1309	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	41.97	24.96
23 21 13 23-1310	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Tee	44.46	26.33
23 21 13 23-1311	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	46.87	27.73
23 21 13 23-1312	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	56.12	32.00
23 21 13 23-1313	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Tee	67.02	37.82
23 21 13 23-1314	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	85.53	45.80
23 21 13 23-1315	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	104.02	53.67
23 21 13 23-1316	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	130.94	66.56
23 21 13 23-1317	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	200.69	87.60
23 21 13 23-1318	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	50.46	27.73
23 21 13 23-1319	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	59.98	32.00
23 21 13 23-1320	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Tee	76.58	37.82
23 21 13 23-1321	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	95.74	45.80
23 21 13 23-1322	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	114.88	53.67
23 21 13 23-1323	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	165.57	66.56
23 21 13 23-1324	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	277.83	87.60
23 21 13 23-1325		**Screwed Carbon Steel Laterals** *(23 21 13 23-1219)*		
23 21 13 23-1326	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	95.58	27.73
23 21 13 23-1327	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	113.71	32.00
23 21 13 23-1328	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	137.93	37.82
23 21 13 23-1329	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	159.94	45.80
23 21 13 23-1330	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	181.91	53.67
23 21 13 23-1331	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	226.58	66.56
23 21 13 23-1332	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	413.75	87.60
23 21 13 23-1333	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	113.89	27.73
23 21 13 23-1334	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	140.94	32.00
23 21 13 23-1335	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	167.04	37.82
23 21 13 23-1336	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	201.26	45.80
23 21 13 23-1337	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	235.43	53.67
23 21 13 23-1338	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	300.16	66.64
23 21 13 23-1339	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	577.66	87.60
23 21 13 23-1340		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1341	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cross	58.25	33.26
23 21 13 23-1342	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cross	62.76	35.32
23 21 13 23-1343	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cross	67.29	37.48
23 21 13 23-1344	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cross	71.99	39.89
23 21 13 23-1345	EA	1", 2,000 Lb., Screwed Carbon Steel, Cross	88.09	48.21
23 21 13 23-1346	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cross	113.63	57.77
23 21 13 23-1347	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	139.16	67.41
23 21 13 23-1348	EA	2", 2,000 Lb., Screwed Carbon Steel, Cross	176.37	83.20
23 21 13 23-1349	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	297.96	122.17
23 21 13 23-1350	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cross	68.19	37.48
23 21 13 23-1351	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cross	77.16	39.89
23 21 13 23-1352	EA	1", 3,000 Lb., Screwed Carbon Steel, Cross	92.61	48.21
23 21 13 23-1353	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cross	119.16	57.77
23 21 13 23-1354	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	145.67	67.40
23 21 13 23-1355	EA	2", 3,000 Lb., Screwed Carbon Steel, Cross	188.29	83.20
23 21 13 23-1356	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	324.51	122.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1357	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cross	85.04	37.48
23 21 13 23-1358	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cross	123.14	39.89
23 21 13 23-1359	EA	1", 6,000 Lb., Screwed Carbon Steel, Cross	163.46	48.21
23 21 13 23-1360	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cross	207.27	57.77
23 21 13 23-1361	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	251.03	67.40
23 21 13 23-1362	EA	2", 6,000 Lb., Screwed Carbon Steel, Cross	283.02	83.20
23 21 13 23-1363	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	535.54	122.17
23 21 13 23-1364		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1365	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	30.19	19.13
23 21 13 23-1366	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	32.44	20.72
23 21 13 23-1367	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	34.77	22.18
23 21 13 23-1368	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	39.31	24.83
23 21 13 23-1369	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	44.70	27.73
23 21 13 23-1370	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	52.74	31.57
23 21 13 23-1371	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	60.90	35.41
23 21 13 23-1372	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	77.31	44.97
23 21 13 23-1373	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	121.80	66.64
23 21 13 23-1374	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	31.30	19.13
23 21 13 23-1375	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	33.37	20.72
23 21 13 23-1376	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	35.52	22.18
23 21 13 23-1377	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	39.98	24.83
23 21 13 23-1378	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	45.62	27.73
23 21 13 23-1379	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	54.07	31.57
23 21 13 23-1380	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	62.61	35.41
23 21 13 23-1381	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	81.73	44.97
23 21 13 23-1382	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	131.65	66.64
23 21 13 23-1383	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	32.35	19.13
23 21 13 23-1384	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	34.20	20.72
23 21 13 23-1385	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	36.14	22.18
23 21 13 23-1386	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	40.36	24.83
23 21 13 23-1387	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	46.09	27.73
23 21 13 23-1388	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	54.51	31.57
23 21 13 23-1389	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	63.04	35.41
23 21 13 23-1390	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	85.12	44.97
23 21 13 23-1391	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	139.19	66.64
23 21 13 23-1392		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1393	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	32.74	20.72
23 21 13 23-1394	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	35.48	22.18
23 21 13 23-1395	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	40.39	24.83
23 21 13 23-1396	EA	1", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	46.20	27.73
23 21 13 23-1397	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	53.69	31.57
23 21 13 23-1398	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	61.29	35.41
23 21 13 23-1399	EA	2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	79.42	44.97
23 21 13 23-1400	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	126.48	66.64
23 21 13 23-1401	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	32.95	20.72
23 21 13 23-1402	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	38.75	22.18
23 21 13 23-1403	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	43.64	24.83
23 21 13 23-1404	EA	1", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	50.08	27.73
23 21 13 23-1405	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	58.58	31.57
23 21 13 23-1406	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	67.18	35.41
23 21 13 23-1407	EA	2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	88.28	44.97
23 21 13 23-1408	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	146.23	66.64
23 21 13 23-1409	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	60.45	20.72
23 21 13 23-1410	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	63.13	22.18
23 21 13 23-1411	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	67.10	24.83
23 21 13 23-1412	EA	1", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	77.33	27.73
23 21 13 23-1413	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	92.28	31.57
23 21 13 23-1414	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	107.35	35.41
23 21 13 23-1415	EA	2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	149.13	44.97
23 21 13 23-1416	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	281.77	66.64
23 21 13 23-1417		**Caps, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1418	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cap	14.04	8.52
23 21 13 23-1419	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cap	15.17	9.23
23 21 13 23-1420	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cap	16.35	9.98
23 21 13 23-1421	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cap	18.69	11.17
23 21 13 23-1422	EA	1", 2,000 Lb., Screwed Carbon Steel, Cap	21.68	12.48
23 21 13 23-1423	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cap	25.18	14.22
23 21 13 23-1424	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	28.62	15.93
23 21 13 23-1425	EA	2", 2,000 Lb., Screwed Carbon Steel, Cap	37.70	20.23
23 21 13 23-1426	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	61.42	30.07
23 21 13 23-1427	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Cap	15.30	8.52
23 21 13 23-1428	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Cap	16.23	9.23
23 21 13 23-1429	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cap	17.21	9.98
23 21 13 23-1430	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cap	20.07	11.17
23 21 13 23-1431	EA	1", 3,000 Lb., Screwed Carbon Steel, Cap	22.84	12.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1432	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cap	27.77	14.22
23 21 13 23-1433	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	32.64	15.93
23 21 13 23-1434	EA	2", 3,000 Lb., Screwed Carbon Steel, Cap	41.88	20.23
23 21 13 23-1435	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	70.74	30.07
23 21 13 23-1436	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Cap	16.63	8.52
23 21 13 23-1437	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Cap	17.30	9.23
23 21 13 23-1438	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cap	18.01	9.98
23 21 13 23-1439	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cap	21.39	11.17
23 21 13 23-1440	EA	1", 6,000 Lb., Screwed Carbon Steel, Cap	23.65	12.48
23 21 13 23-1441	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cap	30.20	14.22
23 21 13 23-1442	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	36.68	15.93
23 21 13 23-1443	EA	2", 6,000 Lb., Screwed Carbon Steel, Cap	45.54	20.23
23 21 13 23-1444	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	78.88	30.07
23 21 13 23-1445		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1446	EA	1/4" x 2" Long, Screwed Carbon Steel, Nipple	18.38	11.56
23 21 13 23-1447	EA	3/8" x 2" Long, Screwed Carbon Steel, Nipple	18.62	11.73
23 21 13 23-1448	EA	1/2" x 2" Long, Screwed Carbon Steel, Nipple	18.81	11.89
23 21 13 23-1449	EA	3/4" x 2" Long, Screwed Carbon Steel, Nipple	18.75	11.89
23 21 13 23-1450	EA	1" x 2" Long, Screwed Carbon Steel, Nipple	20.50	12.80
23 21 13 23-1451	EA	1-1/4" x 2" Long, Screwed Carbon Steel, Nipple	21.60	13.35
23 21 13 23-1452	EA	1-1/2" x 2" Long, Screwed Carbon Steel, Nipple	22.78	13.87
23 21 13 23-1453	EA	2" x 2" Long, Screwed Carbon Steel, Nipple	28.33	17.89
23 21 13 23-1454	EA	2-1/2" x 2" Long, Screwed Carbon Steel, Nipple	36.64	22.21
23 21 13 23-1455	EA	1/4" x 4" Long, Screwed Carbon Steel, Nipple	18.87	11.56
23 21 13 23-1456	EA	3/8" x 4" Long, Screwed Carbon Steel, Nipple	19.06	11.73
23 21 13 23-1457	EA	1/2" x 4" Long, Screwed Carbon Steel, Nipple	19.21	11.89
23 21 13 23-1458	EA	3/4" x 4" Long, Screwed Carbon Steel, Nipple	19.19	11.89
23 21 13 23-1459	EA	1" x 4" Long, Screwed Carbon Steel, Nipple	21.10	12.80
23 21 13 23-1460	EA	1-1/4" x 4" Long, Screwed Carbon Steel, Nipple	22.44	13.35
23 21 13 23-1461	EA	1-1/2" x 4" Long, Screwed Carbon Steel, Nipple	23.85	13.87
23 21 13 23-1462	EA	2" x 4" Long, Screwed Carbon Steel, Nipple	29.89	17.89
23 21 13 23-1463	EA	2-1/2" x 4" Long, Screwed Carbon Steel, Nipple	40.12	22.21
23 21 13 23-1464	EA	1/4" x 6" Long, Screwed Carbon Steel, Nipple	20.06	11.56
23 21 13 23-1465	EA	3/8" x 6" Long, Screwed Carbon Steel, Nipple	19.96	11.73
23 21 13 23-1466	EA	1/2" x 6" Long, Screwed Carbon Steel, Nipple	19.83	11.89
23 21 13 23-1467	EA	3/4" x 6" Long, Screwed Carbon Steel, Nipple	19.89	11.89
23 21 13 23-1468	EA	1" x 6" Long, Screwed Carbon Steel, Nipple	21.96	12.80
23 21 13 23-1469	EA	1-1/4" x 6" Long, Screwed Carbon Steel, Nipple	23.60	13.35
23 21 13 23-1470	EA	1-1/2" x 6" Long, Screwed Carbon Steel, Nipple	25.31	13.87
23 21 13 23-1471	EA	2" x 6" Long, Screwed Carbon Steel, Nipple	31.19	17.89
23 21 13 23-1472	EA	2-1/2" x 6" Long, Screwed Carbon Steel, Nipple	43.00	22.21
23 21 13 23-1473		**Unions, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1474	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Union	39.19	24.96
23 21 13 23-1475	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Union	40.86	26.33
23 21 13 23-1476	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Union	42.45	27.73
23 21 13 23-1477	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Union	48.86	32.00
23 21 13 23-1478	EA	1", 3,000 Lb., Screwed Carbon Steel, Union	57.99	37.82
23 21 13 23-1479	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Union	70.34	45.80
23 21 13 23-1480	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Union	82.65	53.67
23 21 13 23-1481	EA	2", 3,000 Lb., Screwed Carbon Steel, Union	102.53	66.56
23 21 13 23-1482	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Union	153.40	98.21
23 21 13 23-1483	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Union	50.66	24.96
23 21 13 23-1484	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Union	53.52	26.33
23 21 13 23-1485	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Union	56.31	27.73
23 21 13 23-1486	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Union	65.65	32.00
23 21 13 23-1487	EA	1", 6,000 Lb., Screwed Carbon Steel, Union	78.68	37.82
23 21 13 23-1488	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Union	101.83	45.80
23 21 13 23-1489	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Union	124.96	53.67
23 21 13 23-1490	EA	2", 6,000 Lb., Screwed Carbon Steel, Union	154.61	66.56
23 21 13 23-1491	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Union	269.40	98.21
23 21 13 23-1492		**Flanges, Screwed Carbon Steel** *(23 21 13 23-1219)*		
23 21 13 23-1493	EA	1/2", 150 Lb., Screwed Carbon Steel, Flange	83.43	51.56
23 21 13 23-1494	EA	3/4", 150 Lb., Screwed Carbon Steel, Flange	87.37	54.05
23 21 13 23-1495	EA	1", 150 Lb., Screwed Carbon Steel, Flange	90.88	56.40
23 21 13 23-1496	EA	1-1/4", 150 Lb., Screwed Carbon Steel, Flange	96.38	59.89
23 21 13 23-1497	EA	1-1/2", 150 Lb., Screwed Carbon Steel, Flange	101.77	63.51
23 21 13 23-1498	EA	2", 150 Lb., Screwed Carbon Steel, Flange	105.92	66.28
23 21 13 23-1499	EA	2-1/2", 150 Lb., Screwed Carbon Steel, Flange	190.59	117.42
23 21 13 23-1500	EA	1/2", 300 Lb., Screwed Carbon Steel, Flange	83.83	51.56
		For Ring Type Joint, Add	*6.49*	
		For Blind Flange, Deduct	*-32.23*	
23 21 13 23-1501	EA	3/4", 300 Lb., Screwed Carbon Steel, Flange	87.78	54.05
		For Ring Type Joint, Add	*6.70*	
		For Blind Flange, Deduct	*-33.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1502	EA	1", 300 Lb., Screwed Carbon Steel, Flange	91.51	56.40
		For Ring Type Joint, Add	*6.92*	
		For Blind Flange, Deduct	*-35.22*	
23 21 13 23-1503	EA	1-1/4", 300 Lb., Screwed Carbon Steel, Flange	97.44	59.89
23 21 13 23-1504	EA	1-1/2", 300 Lb., Screwed Carbon Steel, Flange	103.26	63.51
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-39.70*	
23 21 13 23-1505	EA	2", 300 Lb., Screwed Carbon Steel, Flange	107.41	66.28
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-41.36*	
23 21 13 23-1506	EA	2-1/2", 300 Lb., Screwed Carbon Steel, Flange	193.91	117.42
23 21 13 23-1507	EA	1/2", 600 Lb., Screwed Carbon Steel, Flange	86.38	51.56
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-32.74*	
23 21 13 23-1508	EA	3/4", 600 Lb., Screwed Carbon Steel, Flange	90.12	54.05
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-34.24*	
23 21 13 23-1509	EA	1", 600 Lb., Screwed Carbon Steel, Flange	94.04	56.40
		For Ring Type Joint, Add	*9.45*	
		For Blind Flange, Deduct	*-35.73*	
23 21 13 23-1510	EA	1-1/4", 600 Lb., Screwed Carbon Steel, Flange	100.28	59.89
23 21 13 23-1511	EA	1-1/2", 600 Lb., Screwed Carbon Steel, Flange	106.40	63.51
		For Ring Type Joint, Add	*11.14*	
		For Blind Flange, Deduct	*-40.33*	
23 21 13 23-1512	EA	2", 600 Lb., Screwed Carbon Steel, Flange	109.78	66.28
		For Ring Type Joint, Add	*10.37*	
		For Blind Flange, Deduct	*-41.84*	
23 21 13 23-1513	EA	2-1/2", 600 Lb., Screwed Carbon Steel, Flange	199.18	117.42

23 21 13 23-1514 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1515	EA	1/4", Screwed Carbon Steel, Square Head Plug	10.97	5.20
23 21 13 23-1516	EA	3/8", Screwed Carbon Steel, Square Head Plug	12.49	7.86
23 21 13 23-1517	EA	1/2", Screwed Carbon Steel, Square Head Plug	13.17	6.24
23 21 13 23-1518	EA	3/4", Screwed Carbon Steel, Square Head Plug	15.05	7.09
23 21 13 23-1519	EA	1", Screwed Carbon Steel, Square Head Plug	17.88	11.10
23 21 13 23-1520	EA	1-1/4", Screwed Carbon Steel, Square Head Plug	20.96	12.61
23 21 13 23-1521	EA	1-1/2", Screwed Carbon Steel, Square Head Plug	23.97	14.22
23 21 13 23-1522	EA	2", Screwed Carbon Steel, Square Head Plug	31.68	17.97
23 21 13 23-1523	EA	2-1/2", Screwed Carbon Steel, Square Head Plug	50.09	26.58

23 21 13 23-1524 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1525	EA	1/4", Screwed Carbon Steel, Hex Head Plug	10.82	5.20
23 21 13 23-1526	EA	3/8", Screwed Carbon Steel, Hex Head Plug	12.35	7.86
23 21 13 23-1527	EA	1/2", Screwed Carbon Steel, Hex Head Plug	13.03	6.24
23 21 13 23-1528	EA	3/4", Screwed Carbon Steel, Hex Head Plug	14.96	7.09
23 21 13 23-1529	EA	1", Screwed Carbon Steel, Hex Head Plug	17.80	11.10
23 21 13 23-1530	EA	1-1/4", Screwed Carbon Steel, Hex Head Plug	20.75	12.61
23 21 13 23-1531	EA	1-1/2", Screwed Carbon Steel, Hex Head Plug	23.64	14.22
23 21 13 23-1532	EA	2", Screwed Carbon Steel, Hex Head Plug	31.91	17.97
23 21 13 23-1533	EA	2-1/2", Screwed Carbon Steel, Hex Head Plug	50.61	26.58

23 21 13 23-1534 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1535	EA	1/4", Screwed Carbon Steel, Roud Head Plug	11.31	5.20
23 21 13 23-1536	EA	3/8", Screwed Carbon Steel, Round Head Plug	12.68	7.86
23 21 13 23-1537	EA	1/2", Screwed Carbon Steel, Roud Head Plug	13.19	6.24
23 21 13 23-1538	EA	3/4", Screwed Carbon Steel, Roud Head Plug	14.98	7.09
23 21 13 23-1539	EA	1", Screwed Carbon Steel, Roud Head Plug	17.93	11.10
23 21 13 23-1540	EA	1-1/4", Screwed Carbon Steel, Round Head Plug	21.19	12.61
23 21 13 23-1541	EA	1-1/2", Screwed Carbon Steel, Roud Head Plug	24.39	14.22
23 21 13 23-1542	EA	2", Screwed Carbon Steel, Roud Head Plug	31.82	17.97
23 21 13 23-1543	EA	2-1/2", Screwed Carbon Steel, Round Head Plug	50.41	26.58

23 21 13 23-1544 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1219)*

23 21 13 23-1545	EA	1/4", Screwed Carbon Steel, Hex Bushing	10.94	5.20
23 21 13 23-1546	EA	3/8", Screwed Carbon Steel, Hex Bushing	12.41	7.86
23 21 13 23-1547	EA	1/2", Screwed Carbon Steel, Hex Bushing	13.03	6.24
23 21 13 23-1548	EA	3/4", Screwed Carbon Steel, Hex Bushing	14.92	7.09
23 21 13 23-1549	EA	1", Screwed Carbon Steel, Hex Bushing	17.90	11.10
23 21 13 23-1550	EA	1-1/4", Screwed Carbon Steel, Hex Bushing	20.80	12.61
23 21 13 23-1551	EA	1-1/2", Screwed Carbon Steel, Hex Bushing	23.61	14.22
23 21 13 23-1552	EA	2", Screwed Carbon Steel, Hex Bushing	31.57	17.97
23 21 13 23-1553	EA	2-1/2", Screwed Carbon Steel, Hex Bushing	49.83	26.58

23 21 13 23-1554 Grooved-Joint Pipe *(23 21 13 23)*

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1555 Schedule 10 Black Grooved Pipe *(23 21 13 23-1554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1556	LF	2" Black Schedule 10 Grooved Pipe	32.06	15.84
		For Work In Restricted Working Space, Add	*7.11*	
23 21 13 23-1557	LF	2-1/2" Black Schedule 10 Grooved Pipe	43.43	21.69
		For Work In Restricted Working Space, Add	*9.77*	
23 21 13 23-1558	LF	3" Black Schedule 10 Grooved Pipe	48.63	24.07
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-1559	LF	3-1/2" Black Schedule 10 Grooved Pipe	53.51	24.94
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-1560	LF	4" Black Schedule 10 Grooved Pipe	57.01	27.06
		For Work In Restricted Working Space, Add	*12.16*	
23 21 13 23-1561	LF	5" Black Schedule 10 Grooved Pipe	78.61	33.17
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-1562	LF	6" Black Schedule 10 Grooved Pipe	102.99	47.13
		For Work In Restricted Working Space, Add	*21.18*	
23 21 13 23-1563	LF	8" Black Schedule 10 Grooved Pipe	136.40	52.88
		For Work In Restricted Working Space, Add	*23.76*	
23 21 13 23-1564	LF	10" Black Schedule 10 Grooved Pipe	170.06	63.72
		For Work In Restricted Working Space, Add	*28.66*	
23 21 13 23-1565	LF	12" Black Schedule 10 Grooved Pipe	195.69	72.20
		For Work In Restricted Working Space, Add	*32.48*	

23 21 13 23-1566 Schedule 40 Black Grooved Pipe *(23 21 13 23-1554)*

23 21 13 23-1567	LF	3/4" Black Schedule 40 Grooved Pipe	19.26	9.60
		For Work In Restricted Working Space, Add	*4.30*	
23 21 13 23-1568	LF	1" Black Schedule 40 Grooved Pipe	21.75	10.85
		For Work In Restricted Working Space, Add	*4.85*	
23 21 13 23-1569	LF	1-1/4" Black Schedule 40 Grooved Pipe	24.52	11.72
		For Work In Restricted Working Space, Add	*5.27*	
23 21 13 23-1570	LF	1-1/2" Black Schedule 40 Grooved Pipe	27.91	13.35
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1571	LF	2" Black Schedule 40 Grooved Pipe	35.25	16.96
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-1572	LF	2-1/2" Black Schedule 40 Grooved Pipe	48.93	23.20
		For Work In Restricted Working Space, Add	*10.45*	
23 21 13 23-1573	LF	3" Black Schedule 40 Grooved Pipe	57.39	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-1574	LF	4" Black Schedule 40 Grooved Pipe	69.26	29.43
		For Work In Restricted Working Space, Add	*13.24*	
23 21 13 23-1575	LF	5" Black Schedule 40 Grooved Pipe	93.58	35.79
		For Work In Restricted Working Space, Add	*16.10*	
23 21 13 23-1576	LF	6" Black Schedule 40 Grooved Pipe	127.18	51.62
		For Work In Restricted Working Space, Add	*23.20*	
23 21 13 23-1577	LF	8" Black Schedule 40 Grooved Pipe	165.11	58.49
		For Work In Restricted Working Space, Add	*26.33*	
23 21 13 23-1578	LF	10" Black Schedule 40 Grooved Pipe	223.53	69.84
		For Work In Restricted Working Space, Add	*31.43*	
23 21 13 23-1579	LF	12" Black Schedule 40 Grooved Pipe	262.54	80.18
		For Work In Restricted Working Space, Add	*36.08*	
23 21 13 23-1580	LF	14" Black Schedule 40 Grooved Pipe	347.45	108.37
		For Work In Restricted Working Space, Add	*48.71*	
23 21 13 23-1581	LF	16" Black Schedule 40 Grooved Pipe	403.72	127.45
		For Work In Restricted Working Space, Add	*57.31*	
23 21 13 23-1582	LF	18" Black Schedule 40 Grooved Pipe	499.91	154.75
		For Work In Restricted Working Space, Add	*69.59*	
23 21 13 23-1583	LF	20" Black Schedule 40 Grooved Pipe	577.24	180.44
		For Work In Restricted Working Space, Add	*81.19*	
23 21 13 23-1584	LF	24" Black Schedule 40 Grooved Pipe	747.38	216.60
		For Work In Restricted Working Space, Add	*97.42*	

23 21 13 23-1585 Schedule 80 Black Grooved Pipe *(23 21 13 23-1554)*

23 21 13 23-1586	LF	3/4" Black Schedule 80 Grooved Pipe	21.10	10.48
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-1587	LF	1" Black Schedule 80 Grooved Pipe	23.25	11.09
		For Work In Restricted Working Space, Add	*5.01*	
23 21 13 23-1588	LF	1-1/4" Black Schedule 80 Grooved Pipe	27.02	12.35
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-1589	LF	1-1/2" Black Schedule 80 Grooved Pipe	30.70	13.84
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-1590	LF	2" Black Schedule 80 Grooved Pipe	39.68	17.83
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-1591	LF	2-1/2" Black Schedule 80 Grooved Pipe	55.65	24.57
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-1592	LF	3" Black Schedule 80 Grooved Pipe	65.74	27.56
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-1593	LF	4" Black Schedule 80 Grooved Pipe	80.87	30.05
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-1594	LF	5" Black Schedule 80 Grooved Pipe	120.46	37.78
		For Work In Restricted Working Space, Add	*17.02*	
23 21 13 23-1595	LF	6" Black Schedule 80 Grooved Pipe	158.65	54.12
		For Work In Restricted Working Space, Add	*24.35*	
23 21 13 23-1596	LF	8" Black Schedule 80 Grooved Pipe	230.23	61.85
		For Work In Restricted Working Space, Add	*27.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1597	LF	10" Black Schedule 80 Grooved Pipe	285.67	74.69
		For Work In Restricted Working Space, Add	*33.59*	
23 21 13 23-1598	LF	12" Black Schedule 80 Grooved Pipe	305.25	90.29
		For Work In Restricted Working Space, Add	*40.59*	
23 21 13 23-1599		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1554)*		
23 21 13 23-1600	LF	3/4" Galvanized Schedule 40 Grooved Pipe	22.62	9.60
		For Work In Restricted Working Space, Add	*4.30*	
23 21 13 23-1601	LF	1" Galvanized Schedule 40 Grooved Pipe	26.31	10.85
		For Work In Restricted Working Space, Add	*4.85*	
23 21 13 23-1602	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	29.40	11.72
		For Work In Restricted Working Space, Add	*5.27*	
23 21 13 23-1603	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	33.48	13.35
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1604	LF	2" Galvanized Schedule 40 Grooved Pipe	42.30	16.96
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-1605	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	59.39	23.20
		For Work In Restricted Working Space, Add	*10.45*	
23 21 13 23-1606	LF	3" Galvanized Schedule 40 Grooved Pipe	70.80	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-1607	LF	4" Galvanized Schedule 40 Grooved Pipe	88.27	29.43
		For Work In Restricted Working Space, Add	*13.24*	
23 21 13 23-1608	LF	5" Galvanized Schedule 40 Grooved Pipe	125.53	35.79
		For Work In Restricted Working Space, Add	*16.10*	
23 21 13 23-1609	LF	6" Galvanized Schedule 40 Grooved Pipe	168.40	51.62
		For Work In Restricted Working Space, Add	*23.20*	
23 21 13 23-1610	LF	8" Galvanized Schedule 40 Grooved Pipe	226.35	58.49
		For Work In Restricted Working Space, Add	*26.33*	
23 21 13 23-1611	LF	10" Galvanized Schedule 40 Grooved Pipe	322.54	69.84
		For Work In Restricted Working Space, Add	*31.43*	
23 21 13 23-1612	LF	12" Galvanized Schedule 40 Grooved Pipe	381.63	80.18
		For Work In Restricted Working Space, Add	*36.08*	
23 21 13 23-1613		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1554)*		
23 21 13 23-1614	LF	3/4" Galvanized Schedule 80 Grooved Pipe	24.26	10.48
		For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-1615	LF	1" Galvanized Schedule 80 Grooved Pipe	32.29	11.09
		For Work In Restricted Working Space, Add	*5.01*	
23 21 13 23-1616	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	32.35	12.35
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-1617	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	42.68	14.72
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-1618	LF	2" Galvanized Schedule 80 Grooved Pipe	47.96	17.83
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-1619	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	68.11	24.57
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-1620	LF	3" Galvanized Schedule 80 Grooved Pipe	82.43	27.56
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-1621	LF	4" Galvanized Schedule 80 Grooved Pipe	105.02	30.05
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-1622	LF	5" Galvanized Schedule 80 Grooved Pipe	160.14	37.78
		For Work In Restricted Working Space, Add	*17.02*	
23 21 13 23-1623	LF	6" Galvanized Schedule 80 Grooved Pipe	206.20	54.12
		For Work In Restricted Working Space, Add	*24.35*	
23 21 13 23-1624	LF	8" Galvanized Schedule 80 Grooved Pipe	313.49	61.85
		For Work In Restricted Working Space, Add	*27.83*	
23 21 13 23-1625	LF	10" Galvanized Schedule 80 Grooved Pipe	372.82	74.69
		For Work In Restricted Working Space, Add	*33.59*	
23 21 13 23-1626	LF	12" Galvanized Schedule 80 Grooved Pipe	406.96	90.29
		For Work In Restricted Working Space, Add	*40.59*	
23 21 13 23-1627		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-1628		**Grooved Elbows** *(23 21 13 23-1627)*		
23 21 13 23-1629		**90 Degree Grooved Elbows** *(23 21 13 23-1628)*		
		Note: Victaulic No. 10		
23 21 13 23-1630	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	92.61	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1631	EA	1", Ductile Iron, Grooved 90 Degree Elbow	92.61	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1632	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	97.71	16.96
		For Work In Restricted Working Space, Add	*7.64*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1633	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	103.11	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*23.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1634	EA	2", Ductile Iron, Grooved 90 Degree Elbow	112.99	27.19
		For Work In Restricted Working Space, Add	*12.23*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1635	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	121.89	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1636	EA	3", Ductile Iron, Grooved 90 Degree Elbow	188.50	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*42.35*	
23 21 13 23-1637	EA	4", Ductile Iron, Grooved 90 Degree Elbow	219.20	53.00
		For Work In Restricted Working Space, Add	*23.83*	
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-1638	EA	5", Ductile Iron, Grooved 90 Degree Elbow	439.52	66.21
		For Work In Restricted Working Space, Add	*29.78*	
		For Galvanized Fittings, Add	*112.28*	
23 21 13 23-1639	EA	6", Ductile Iron, Grooved 90 Degree Elbow	525.31	86.66
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*130.49*	
23 21 13 23-1640	EA	8", Ductile Iron, Grooved 90 Degree Elbow	986.84	103.13
		For Work In Restricted Working Space, Add	*46.39*	
		For Galvanized Fittings, Add	*274.63*	
23 21 13 23-1641	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,476.99	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*427.87*	
23 21 13 23-1642	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,294.69	144.41
		For Work In Restricted Working Space, Add	*64.95*	
		For Galvanized Fittings, Add	*685.81*	
23 21 13 23-1643	EA	14", Steel, Grooved 90 Degree Elbow	4,566.34	162.98
		For Work In Restricted Working Space, Add	*73.32*	
		For Galvanized Fittings, Add	*1,426.24*	
23 21 13 23-1644	EA	16", Steel, Grooved 90 Degree Elbow	5,925.87	180.44
		For Work In Restricted Working Space, Add	*81.18*	
		For Galvanized Fittings, Add	*1,866.24*	
23 21 13 23-1645	EA	18", Steel, Grooved 90 Degree Elbow	7,468.08	197.15
		For Work In Restricted Working Space, Add	*88.66*	
		For Galvanized Fittings, Add	*2,366.94*	
23 21 13 23-1646	EA	20", Steel, Grooved 90 Degree Elbow	9,732.92	205.00
		For Work In Restricted Working Space, Add	*92.24*	
		For Galvanized Fittings, Add	*3,110.41*	
23 21 13 23-1647	EA	24", Steel, Grooved 90 Degree Elbow	13,926.84	242.42
		For Work In Restricted Working Space, Add	*109.01*	
		For Galvanized Fittings, Add	*4,475.95*	

23 21 13 23-1648 45 Degree Grooved Elbows *(23 21 13 23-1628)*

Note: Victaulic No. 11

23 21 13 23-1649	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	92.56	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1650	EA	1", Ductile Iron, Grooved 45 Degree Elbow	92.56	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1651	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	97.66	16.96
		For Work In Restricted Working Space, Add	*7.64*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1652	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	103.06	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1653	EA	2", Ductile Iron, Grooved 45 Degree Elbow	112.94	27.19
		For Work In Restricted Working Space, Add	*12.23*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1654	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	121.84	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1655	EA	3", Ductile Iron, Grooved 45 Degree Elbow	188.45	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*30.79*	
23 21 13 23-1656	EA	4", Ductile Iron, Grooved 45 Degree Elbow	219.20	53.00
		For Work In Restricted Working Space, Add	*23.83*	
		For Galvanized Fittings, Add	*33.54*	
23 21 13 23-1657	EA	5", Ductile Iron, Grooved 45 Degree Elbow	439.52	66.21
		For Work In Restricted Working Space, Add	*29.78*	
		For Galvanized Fittings, Add	*81.66*	
23 21 13 23-1658	EA	6", Ductile Iron, Grooved 45 Degree Elbow	525.31	86.66
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*94.90*	
23 21 13 23-1659	EA	8", Ductile Iron, Grooved 45 Degree Elbow	986.84	103.13
		For Work In Restricted Working Space, Add	*46.39*	
		For Galvanized Fittings, Add	*199.73*	
23 21 13 23-1660	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,476.99	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*311.18*	
23 21 13 23-1661	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,294.69	144.41
		For Work In Restricted Working Space, Add	*64.95*	
		For Galvanized Fittings, Add	*498.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1662	EA	14", Steel, Grooved 45 Degree Elbow	4,566.34	162.98
		For Work In Restricted Working Space, Add	*73.32*	
		For Galvanized Fittings, Add	*1,037.26*	
23 21 13 23-1663	EA	16", Steel, Grooved 45 Degree Elbow	5,925.87	180.44
		For Work In Restricted Working Space, Add	*81.18*	
		For Galvanized Fittings, Add	*1,357.27*	
23 21 13 23-1664	EA	18", Steel, Grooved 45 Degree Elbow	7,468.08	197.15
		For Work In Restricted Working Space, Add	*88.66*	
		For Galvanized Fittings, Add	*1,721.41*	
23 21 13 23-1665	EA	20", Steel, Grooved 45 Degree Elbow	9,733.46	205.38
		For Work In Restricted Working Space, Add	*92.40*	
		For Galvanized Fittings, Add	*2,262.11*	
23 21 13 23-1666	EA	24", Steel, Grooved 45 Degree Elbow	13,926.84	242.42
		For Work In Restricted Working Space, Add	*109.01*	
		For Galvanized Fittings, Add	*3,255.24*	

23 21 13 23-1667 22-1/2 Degree Grooved Elbows *(23 21 13 23-1628)*

Note: Victaulic No. 12

23 21 13 23-1668	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	97.31	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1669	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	102.41	16.96
		For Work In Restricted Working Space, Add	*7.64*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1670	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	107.81	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1671	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	117.69	27.19
		For Work In Restricted Working Space, Add	*12.23*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1672	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	126.59	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1673	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	172.70	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1674	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	230.32	53.00
		For Work In Restricted Working Space, Add	*23.83*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1675	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	567.21	66.21
		For Work In Restricted Working Space, Add	*29.78*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1676	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	557.37	86.66
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1677	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,049.05	103.13
		For Work In Restricted Working Space, Add	*46.39*	
		For Galvanized Fittings, Add	*214.66*	
23 21 13 23-1678	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,408.33	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*294.70*	
23 21 13 23-1679	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,876.53	144.41
		For Work In Restricted Working Space, Add	*64.95*	
		For Galvanized Fittings, Add	*398.41*	
23 21 13 23-1680	EA	14", Steel, Grooved 22-1/2 Degree Elbow	2,161.80	162.98
		For Work In Restricted Working Space, Add	*73.32*	
		For Galvanized Fittings, Add	*460.17*	
23 21 13 23-1681	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,570.24	180.44
		For Work In Restricted Working Space, Add	*81.18*	
		For Galvanized Fittings, Add	*551.92*	
23 21 13 23-1682	EA	18", Steel, Grooved 22-1/2 Degree Elbow	3,080.57	197.15
		For Work In Restricted Working Space, Add	*88.66*	
		For Galvanized Fittings, Add	*668.41*	
23 21 13 23-1683	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,600.12	205.00
		For Work In Restricted Working Space, Add	*92.24*	
		For Galvanized Fittings, Add	*790.24*	
23 21 13 23-1684	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,787.99	242.42
		For Work In Restricted Working Space, Add	*109.01*	
		For Galvanized Fittings, Add	*1,061.91*	

23 21 13 23-1685 11-1/4 Degree Grooved Elbows *(23 21 13 23-1628)*

Note: Victaulic No. 13

23 21 13 23-1686	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	97.31	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1687	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	102.41	16.96
		For Work In Restricted Working Space, Add	*7.64*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1688	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	107.81	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*18.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1689	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	117.69	27.19
		For Work In Restricted Working Space, Add	*12.23*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1690	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	126.59	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1691	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	172.70	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1692	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	230.31	53.00
		For Work In Restricted Working Space, Add	*23.83*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1693	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	567.19	66.21
		For Work In Restricted Working Space, Add	*29.78*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1694	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	557.35	86.66
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1695	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,049.00	103.13
		For Work In Restricted Working Space, Add	*46.39*	
		For Galvanized Fittings, Add	*214.65*	
23 21 13 23-1696	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,408.26	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*294.68*	
23 21 13 23-1697	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,876.44	144.41
		For Work In Restricted Working Space, Add	*64.95*	
		For Galvanized Fittings, Add	*398.39*	
23 21 13 23-1698	EA	14", Steel, Grooved 11-1/4 Degree Elbow	2,161.71	162.98
		For Work In Restricted Working Space, Add	*73.33*	
		For Galvanized Fittings, Add	*460.15*	
23 21 13 23-1699	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,570.16	180.57
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*551.88*	
23 21 13 23-1700	EA	18", Steel, Grooved 11-1/4 Degree Elbow	3,080.39	197.15
		For Work In Restricted Working Space, Add	*88.65*	
		For Galvanized Fittings, Add	*668.37*	
23 21 13 23-1701	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,599.93	205.00
		For Work In Restricted Working Space, Add	*92.24*	
		For Galvanized Fittings, Add	*790.20*	
23 21 13 23-1702	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,787.74	242.42
		For Work In Restricted Working Space, Add	*109.01*	
		For Galvanized Fittings, Add	*1,061.85*	

23 21 13 23-1703 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1628)*

Note: Victaulic No. 100

23 21 13 23-1704	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	205.90	27.19
		For Work In Restricted Working Space, Add	*12.23*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1705	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	528.85	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*115.01*	
23 21 13 23-1706	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	225.32	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1707	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	326.82	53.00
		For Work In Restricted Working Space, Add	*23.83*	
		For Galvanized Fittings, Add	*59.37*	
23 21 13 23-1708	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,367.30	66.21
		For Work In Restricted Working Space, Add	*29.78*	
		For Galvanized Fittings, Add	*304.32*	
23 21 13 23-1709	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	853.61	86.66
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*173.69*	
23 21 13 23-1710	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,890.58	103.13
		For Work In Restricted Working Space, Add	*46.39*	
		For Galvanized Fittings, Add	*416.63*	
23 21 13 23-1711	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,779.75	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*863.84*	
23 21 13 23-1712	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,508.70	144.41
		For Work In Restricted Working Space, Add	*64.95*	
		For Galvanized Fittings, Add	*1,030.13*	

23 21 13 23-1713 Grooved Tees, Wyes And Crosses *(23 21 13 23-1627)*

23 21 13 23-1714 Grooved Tees *(23 21 13 23-1713)*

Note: Victaulic No. 20

23 21 13 23-1715	EA	3/4", Ductile Iron, Grooved Tee	137.19	17.83
		For Work In Restricted Working Space, Add	*8.04*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1716	EA	1", Ductile Iron, Grooved Tee	141.25	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*33.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1717	EA	1-1/4", Ductile Iron, Grooved Tee	148.11	25.19
		For Work In Restricted Working Space, Add	*11.32*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1718	EA	1-1/2", Ductile Iron, Grooved Tee	156.68	30.93
		For Work In Restricted Working Space, Add	*13.89*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1719	EA	2", Ductile Iron, Grooved Tee	170.31	40.03
		For Work In Restricted Working Space, Add	*17.98*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1720	EA	2-1/2", Ductile Iron, Grooved Tee	183.92	49.01
		For Work In Restricted Working Space, Add	*22.06*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1721	EA	3", Ductile Iron, Grooved Tee	244.89	60.24
		For Work In Restricted Working Space, Add	*27.08*	
		For Galvanized Fittings, Add	*46.39*	
23 21 13 23-1722	EA	4", Ductile Iron, Grooved Tee	354.00	77.94
		For Work In Restricted Working Space, Add	*35.04*	
		For Galvanized Fittings, Add	*71.16*	
23 21 13 23-1723	EA	5", Ductile Iron, Grooved Tee	709.22	101.88
		For Work In Restricted Working Space, Add	*45.82*	
		For Galvanized Fittings, Add	*166.94*	
23 21 13 23-1724	EA	6", Ductile Iron, Grooved Tee	834.17	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*192.95*	
23 21 13 23-1725	EA	8", Ductile Iron, Grooved Tee	1,636.84	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*421.46*	
23 21 13 23-1726	EA	10", Ductile Iron, Grooved Tee	2,779.34	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*752.62*	
23 21 13 23-1727	EA	12", Ductile Iron, Grooved Tee	3,836.95	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*1,053.66*	
23 21 13 23-1728	EA	14", Steel, Grooved Tee	4,192.33	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*1,149.45*	
23 21 13 23-1729	EA	16", Steel, Grooved Tee	5,243.49	242.04
		For Work In Restricted Working Space, Add	*108.87*	
		For Galvanized Fittings, Add	*1,464.18*	
23 21 13 23-1730	EA	18", Steel, Grooved Tee	6,512.41	266.99
		For Work In Restricted Working Space, Add	*120.08*	
		For Galvanized Fittings, Add	*1,833.65*	
23 21 13 23-1731	EA	20", Steel, Grooved Tee	9,164.29	271.23
		For Work In Restricted Working Space, Add	*121.97*	
		For Galvanized Fittings, Add	*2,627.32*	
23 21 13 23-1732	EA	24", Steel, Grooved Tee	13,955.47	333.20
		For Work In Restricted Working Space, Add	*149.88*	
		For Galvanized Fittings, Add	*4,036.76*	

23 21 13 23-1733 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1713)*

Note: Victaulic No. 33

23 21 13 23-1734	EA	1", Steel, Grooved Wye	496.61	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1735	EA	1-1/4", Steel, Grooved Wye	503.47	25.19
		For Work In Restricted Working Space, Add	*11.32*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1736	EA	1-1/2", Steel, Grooved Wye	512.04	30.93
		For Work In Restricted Working Space, Add	*13.89*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1737	EA	2", Steel, Grooved Wye	525.67	40.03
		For Work In Restricted Working Space, Add	*17.98*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1738	EA	2-1/2", Steel, Grooved Wye	539.28	49.01
		For Work In Restricted Working Space, Add	*22.06*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1739	EA	3", Steel, Grooved Wye	646.98	60.24
		For Work In Restricted Working Space, Add	*27.08*	
		For Galvanized Fittings, Add	*89.08*	
23 21 13 23-1740	EA	4", Steel, Grooved Wye	846.01	77.94
		For Work In Restricted Working Space, Add	*35.04*	
		For Galvanized Fittings, Add	*116.67*	
23 21 13 23-1741	EA	5", Steel, Grooved Wye	1,197.95	101.88
		For Work In Restricted Working Space, Add	*45.82*	
		For Galvanized Fittings, Add	*167.23*	
23 21 13 23-1742	EA	6", Steel, Grooved Wye	1,484.24	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*206.92*	
23 21 13 23-1743	EA	8", Steel, Grooved Wye	2,094.56	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*298.02*	
23 21 13 23-1744	EA	10", Steel, Grooved Wye	3,485.43	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*514.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1745	EA	12", Steel, Grooved Wye	3,876.36	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*568.26*	
23 21 13 23-1746	EA	14", Steel, Grooved Wye	4,416.38	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*648.89*	
23 21 13 23-1747	EA	16", Steel, Grooved Wye	5,630.15	241.80
		For Work In Restricted Working Space, Add	*108.75*	
		For Galvanized Fittings, Add	*842.82*	
23 21 13 23-1748	EA	18", Steel, Grooved Wye	6,426.27	267.24
		For Work In Restricted Working Space, Add	*120.21*	
		For Galvanized Fittings, Add	*964.09*	
23 21 13 23-1749	EA	20", Steel, Grooved Wye	9,145.04	270.72
		For Work In Restricted Working Space, Add	*121.78*	
		For Galvanized Fittings, Add	*1,398.26*	
23 21 13 23-1750	EA	24", Steel, Grooved Wye	14,086.47	333.20
		For Work In Restricted Working Space, Add	*149.88*	
		For Galvanized Fittings, Add	*2,173.90*	

23 21 13 23-1751 Grooved Crosses *(23 21 13 23-1713)*

Note: Victaulic No. 35

23 21 13 23-1752	EA	3/4", Steel, Grooved Cross	341.75	26.81
		For Work In Restricted Working Space, Add	*12.07*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1753	EA	1", Steel, Grooved Cross	347.83	30.93
		For Work In Restricted Working Space, Add	*13.89*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1754	EA	1-1/4", Steel, Grooved Cross	420.53	37.78
		For Work In Restricted Working Space, Add	*16.98*	
		For Galvanized Fittings, Add	*54.59*	
23 21 13 23-1755	EA	1-1/2", Steel, Grooved Cross	461.61	46.39
		For Work In Restricted Working Space, Add	*20.84*	
		For Galvanized Fittings, Add	*58.82*	
23 21 13 23-1756	EA	2", Steel, Grooved Cross	311.51	59.98
		For Work In Restricted Working Space, Add	*26.97*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1757	EA	2-1/2", Steel, Grooved Cross	331.94	73.57
		For Work In Restricted Working Space, Add	*33.10*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1758	EA	3", Steel, Grooved Cross	533.61	90.29
		For Work In Restricted Working Space, Add	*40.61*	
		For Galvanized Fittings, Add	*59.73*	
23 21 13 23-1759	EA	4", Steel, Grooved Cross	838.12	116.85
		For Work In Restricted Working Space, Add	*52.56*	
		For Galvanized Fittings, Add	*99.44*	
23 21 13 23-1760	EA	5", Steel, Grooved Cross	1,583.39	152.75
		For Work In Restricted Working Space, Add	*68.73*	
		For Galvanized Fittings, Add	*203.14*	
23 21 13 23-1761	EA	6", Steel, Grooved Cross	2,028.96	191.16
		For Work In Restricted Working Space, Add	*85.96*	
		For Galvanized Fittings, Add	*261.36*	
23 21 13 23-1762	EA	8", Steel, Grooved Cross	2,642.71	232.07
		For Work In Restricted Working Space, Add	*104.38*	
		For Galvanized Fittings, Add	*344.22*	
23 21 13 23-1763	EA	10", Steel, Grooved Cross	4,319.78	270.72
		For Work In Restricted Working Space, Add	*121.78*	
		For Galvanized Fittings, Add	*587.08*	
23 21 13 23-1764	EA	12", Steel, Grooved Cross	6,135.11	324.97
		For Work In Restricted Working Space, Add	*146.13*	
		For Galvanized Fittings, Add	*847.20*	
23 21 13 23-1765	EA	14", Steel, Grooved Cross	6,392.86	361.01
		For Work In Restricted Working Space, Add	*162.37*	
		For Galvanized Fittings, Add	*877.74*	
23 21 13 23-1766	EA	16", Steel, Grooved Cross	8,199.21	363.13
		For Work In Restricted Working Space, Add	*163.31*	
		For Galvanized Fittings, Add	*1,148.23*	
23 21 13 23-1767	EA	18", Steel, Grooved Cross	9,983.39	400.42
		For Work In Restricted Working Space, Add	*180.10*	
		For Galvanized Fittings, Add	*1,407.46*	
23 21 13 23-1768	EA	20", Steel, Grooved Cross	13,902.85	406.65
		For Work In Restricted Working Space, Add	*182.92*	
		For Galvanized Fittings, Add	*1,993.97*	
23 21 13 23-1769	EA	24", Steel, Grooved Cross	21,271.06	499.80
		For Work In Restricted Working Space, Add	*224.82*	
		For Galvanized Fittings, Add	*3,078.25*	

23 21 13 23-1770 Grooved Reducing Tees *(23 21 13 23-1713)*

Note: Victaulic No. 25

23 21 13 23-1771	EA	1", Steel, Grooved Reducing Tee	243.85	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*42.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1772	EA	1-1/4", Steel, Grooved Reducing Tee	257.40	25.19
		For Work In Restricted Working Space, Add	*11.32*	
		For Galvanized Fittings, Add	*43.93*	
23 21 13 23-1773	EA	1-1/2", Steel, Grooved Reducing Tee	271.45	30.93
		For Work In Restricted Working Space, Add	*13.89*	
		For Galvanized Fittings, Add	*45.03*	
23 21 13 23-1774	EA	2", Steel, Grooved Reducing Tee	323.51	40.03
		For Work In Restricted Working Space, Add	*17.98*	
		For Galvanized Fittings, Add	*52.72*	
23 21 13 23-1775	EA	2-1/2", Steel, Grooved Reducing Tee	364.25	49.01
		For Work In Restricted Working Space, Add	*22.06*	
		For Galvanized Fittings, Add	*58.14*	
23 21 13 23-1776	EA	3", Steel, Grooved Reducing Tee	408.46	60.24
		For Work In Restricted Working Space, Add	*27.08*	
		For Galvanized Fittings, Add	*63.64*	
23 21 13 23-1777	EA	4", Steel, Grooved Reducing Tee	545.94	77.94
		For Work In Restricted Working Space, Add	*35.04*	
		For Galvanized Fittings, Add	*85.83*	
23 21 13 23-1778	EA	5", Steel, Grooved Reducing Tee	719.38	101.88
		For Work In Restricted Working Space, Add	*45.82*	
		For Galvanized Fittings, Add	*113.33*	
23 21 13 23-1779	EA	6", Steel, Grooved Reducing Tee	988.13	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*159.42*	
23 21 13 23-1780	EA	8", Steel, Grooved Reducing Tee	1,547.20	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*263.05*	
23 21 13 23-1781	EA	10", Steel, Grooved Reducing Tee	2,209.56	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*387.79*	
23 21 13 23-1782	EA	12", Steel, Grooved Reducing Tee	3,184.99	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*572.05*	
23 21 13 23-1783	EA	14", Steel, Grooved Reducing Tee	3,609.46	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*649.73*	
23 21 13 23-1784	EA	16", Steel, Grooved Reducing Tee	4,582.81	242.04
		For Work In Restricted Working Space, Add	*108.88*	
		For Galvanized Fittings, Add	*843.98*	
23 21 13 23-1785	EA	18", Steel, Grooved Reducing Tee	5,566.40	266.99
		For Work In Restricted Working Space, Add	*120.06*	
		For Galvanized Fittings, Add	*1,033.24*	
23 21 13 23-1786	EA	20", Steel, Grooved Reducing Tee	7,795.06	271.10
		For Work In Restricted Working Space, Add	*121.94*	
		For Galvanized Fittings, Add	*1,477.72*	
23 21 13 23-1787	EA	24", Steel, Grooved Reducing Tee	12,401.10	333.20
		For Work In Restricted Working Space, Add	*149.88*	
		For Galvanized Fittings, Add	*2,380.30*	

23 21 13 23-1788 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1713)*

Note: Victaulic No. 30

23 21 13 23-1789	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	467.87	17.83
		For Work In Restricted Working Space, Add	*8.04*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1790	EA	1", Steel, Grooved, 45 Degree Lateral Wye	471.93	20.57
		For Work In Restricted Working Space, Add	*9.26*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1791	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	478.79	25.19
		For Work In Restricted Working Space, Add	*11.32*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1792	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	487.36	30.93
		For Work In Restricted Working Space, Add	*13.89*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1793	EA	2", Steel, Grooved, 45 Degree Lateral Wye	500.99	40.03
		For Work In Restricted Working Space, Add	*17.98*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1794	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	514.60	49.01
		For Work In Restricted Working Space, Add	*22.06*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1795	EA	3", Steel, Grooved, 45 Degree Lateral Wye	471.30	60.24
		For Work In Restricted Working Space, Add	*27.08*	
		For Galvanized Fittings, Add	*68.59*	
23 21 13 23-1796	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	749.62	69.46
		For Work In Restricted Working Space, Add	*31.22*	
		For Galvanized Fittings, Add	*116.20*	
23 21 13 23-1797	EA	4", Steel, Grooved, 45 Degree Lateral Wye	868.27	77.94
		For Work In Restricted Working Space, Add	*35.04*	
		For Galvanized Fittings, Add	*135.26*	
23 21 13 23-1798	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,250.97	101.88
		For Work In Restricted Working Space, Add	*45.82*	
		For Galvanized Fittings, Add	*197.68*	
23 21 13 23-1799	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,960.46	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*318.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1800	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,780.60	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*458.76*	
23 21 13 23-1801	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,867.97	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*647.52*	
23 21 13 23-1802	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,674.10	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*782.88*	
23 21 13 23-1803	EA	14", Steel, Grooved, 45 Degree Lateral Wye	6,709.00	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*1,142.67*	
23 21 13 23-1804	EA	16", Steel, Grooved, 45 Degree Lateral Wye	8,293.50	242.04
		For Work In Restricted Working Space, Add	*108.88*	
		For Galvanized Fittings, Add	*1,427.50*	
23 21 13 23-1805	EA	18", Steel, Grooved, 45 Degree Lateral Wye	9,265.62	266.99
		For Work In Restricted Working Space, Add	*120.06*	
		For Galvanized Fittings, Add	*1,595.78*	
23 21 13 23-1806	EA	20", Steel, Grooved, 45 Degree Lateral Wye	13,853.82	271.10
		For Work In Restricted Working Space, Add	*121.94*	
		For Galvanized Fittings, Add	*2,420.52*	
23 21 13 23-1807	EA	24", Steel, Grooved, 45 Degree Lateral Wye	21,395.80	333.20
		For Work In Restricted Working Space, Add	*149.88*	
		For Galvanized Fittings, Add	*3,761.32*	

23 21 13 23-1808 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1713)*

Note: Victaulic No. 30R

23 21 13 23-1809	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	471.30	60.24
		For Work In Restricted Working Space, Add	*27.08*	
		For Galvanized Fittings, Add	*49.54*	
23 21 13 23-1810	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	868.27	77.94
		For Work In Restricted Working Space, Add	*35.04*	
		For Galvanized Fittings, Add	*97.69*	
23 21 13 23-1811	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,250.97	101.88
		For Work In Restricted Working Space, Add	*45.82*	
		For Galvanized Fittings, Add	*142.77*	
23 21 13 23-1812	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,609.93	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*184.46*	
23 21 13 23-1813	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,280.29	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*266.28*	
23 21 13 23-1814	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,779.25	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*326.12*	
23 21 13 23-1815	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,373.34	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*396.32*	
23 21 13 23-1816	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,776.03	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*443.98*	
23 21 13 23-1817	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,777.38	242.04
		For Work In Restricted Working Space, Add	*108.88*	
		For Galvanized Fittings, Add	*573.88*	
23 21 13 23-1818	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	7,178.60	266.99
		For Work In Restricted Working Space, Add	*120.06*	
		For Galvanized Fittings, Add	*881.19*	
23 21 13 23-1819	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	10,328.26	271.10
		For Work In Restricted Working Space, Add	*121.94*	
		For Galvanized Fittings, Add	*1,289.83*	
23 21 13 23-1820	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	16,563.37	333.20
		For Work In Restricted Working Space, Add	*149.88*	
		For Galvanized Fittings, Add	*2,088.29*	

23 21 13 23-1821 Mechanical-T Outlet *(23 21 13 23-1713)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1822	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	163.13	44.89
		For Work In Restricted Working Space, Add	*26.93*	
		For Galvanized Fittings, Add	*18.19*	
23 21 13 23-1823	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	163.13	44.89
		For Work In Restricted Working Space, Add	*26.93*	
		For Galvanized Fittings, Add	*18.19*	
23 21 13 23-1824	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	174.58	44.89
		For Work In Restricted Working Space, Add	*26.93*	
		For Galvanized Fittings, Add	*21.03*	
23 21 13 23-1825	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	174.58	44.89
		For Work In Restricted Working Space, Add	*26.93*	
23 21 13 23-1826	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	174.36	50.50
		For Work In Restricted Working Space, Add	*30.30*	
23 21 13 23-1827	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	174.36	50.50
		For Work In Restricted Working Space, Add	*30.30*	
23 21 13 23-1828	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	204.59	50.50
		For Work In Restricted Working Space, Add	*30.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1829	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	196.69	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 21 13 23-1830	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	196.69	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 21 13 23-1831	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	221.03	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 21 13 23-1832	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	221.03	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 21 13 23-1833	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	237.70	56.12
		For Work In Restricted Working Space, Add	*33.67*	
23 21 13 23-1834	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	257.33	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1835	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	257.33	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1836	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	276.34	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1837	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	281.67	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1838	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	281.67	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1839	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	287.00	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1840	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	297.23	74.82
		For Work In Restricted Working Space, Add	*44.89*	
23 21 13 23-1841	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	367.90	102.88
		For Work In Restricted Working Space, Add	*61.73*	
23 21 13 23-1842	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	367.90	102.88
		For Work In Restricted Working Space, Add	*61.73*	
23 21 13 23-1843	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	377.12	102.88
		For Work In Restricted Working Space, Add	*61.73*	
23 21 13 23-1844	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	388.68	102.88
		For Work In Restricted Working Space, Add	*61.73*	
23 21 13 23-1845	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	427.80	130.94
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-1846	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	427.80	130.94
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-1847	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	441.35	130.94
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-1848	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	452.80	130.94
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-1849	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	473.14	130.94
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-1850	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	640.28	173.34
		For Work In Restricted Working Space, Add	*104.00*	
23 21 13 23-1851	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	640.28	173.34
		For Work In Restricted Working Space, Add	*104.00*	
23 21 13 23-1852	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	656.62	173.34
		For Work In Restricted Working Space, Add	*104.00*	
23 21 13 23-1853	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	666.29	173.34
		For Work In Restricted Working Space, Add	*104.00*	

23 21 13 23-1854 Installation-Ready™ Grooved Fittings *(23 21 13 23-1627)*

23 21 13 23-1855 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1854)*

Note: Victaulic No. 101

23 21 13 23-1856	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	280.14	12.35
		For Work In Restricted Working Space, Add	*5.61*	
		For Galvanized Fittings, Add	*86.27*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1857	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	291.57	14.82
		For Work In Restricted Working Space, Add	*6.74*	
		For Galvanized Fittings, Add	*88.81*	
		For Galvanized Fittings, Add	*68.89*	
23 21 13 23-1858	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	300.98	19.76
		For Work In Restricted Working Space, Add	*8.98*	
		For Galvanized Fittings, Add	*89.45*	
		For Galvanized Fittings, Add	*69.39*	
23 21 13 23-1859	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	364.20	24.69
		For Work In Restricted Working Space, Add	*11.22*	
		For Galvanized Fittings, Add	*107.84*	
		For Galvanized Fittings, Add	*83.66*	

23 21 13 23-1860 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1854)*

Note: Victaulic No. 103

23 21 13 23-1861	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	280.14	12.35
		For Work In Restricted Working Space, Add	*5.61*	
		For Galvanized Fittings, Add	*62.74*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1862	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	291.57	14.82
		For Work In Restricted Working Space, Add	*6.74*	
		For Galvanized Fittings, Add	*64.59*	
		For Galvanized Fittings, Add	*68.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1863	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	300.98	19.76
		For Work In Restricted Working Space, Add	*8.98*	
		For Galvanized Fittings, Add	*65.05*	
		For Galvanized Fittings, Add	*69.39*	
23 21 13 23-1864	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	364.20	24.69
		For Work In Restricted Working Space, Add	*11.22*	
		For Galvanized Fittings, Add	*78.43*	
		For Galvanized Fittings, Add	*83.66*	
23 21 13 23-1865		Installation-Ready™ Grooved Tees *(23 21 13 23-1854)*		
		Note: Victaulic No. 102		
23 21 13 23-1866	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	428.63	16.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Galvanized Fittings, Add	*121.11*	
		For Galvanized Fittings, Add	*103.34*	
23 21 13 23-1867	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	447.07	19.76
		For Work In Restricted Working Space, Add	*8.98*	
		For Galvanized Fittings, Add	*125.14*	
		For Galvanized Fittings, Add	*106.79*	
23 21 13 23-1868	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	462.81	26.34
		For Work In Restricted Working Space, Add	*11.97*	
		For Galvanized Fittings, Add	*126.87*	
		For Galvanized Fittings, Add	*108.26*	
23 21 13 23-1869	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	538.15	32.92
		For Work In Restricted Working Space, Add	*14.96*	
		For Galvanized Fittings, Add	*146.48*	
		For Galvanized Fittings, Add	*125.00*	
23 21 13 23-1870		Grooved Fittings *(23 21 13 23-1627)*		
23 21 13 23-1871		Flanged Adapter Nipple, Grooved *(23 21 13 23-1870)*		
		Note: Victaulic No. 41 and 45		
23 21 13 23-1872	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	332.85	14.96
		For Work In Restricted Working Space, Add	*6.74*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1873	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	335.34	16.59
		For Work In Restricted Working Space, Add	*7.48*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1874	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	341.57	20.83
		For Work In Restricted Working Space, Add	*9.35*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1875	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	354.70	29.56
		For Work In Restricted Working Space, Add	*13.29*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1876	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	364.06	35.79
		For Work In Restricted Working Space, Add	*16.10*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1877	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	461.23	42.77
		For Work In Restricted Working Space, Add	*19.22*	
		For Galvanized Fittings, Add	*71.49*	
		For 300 Lb. Rating, Add	*59.58*	
23 21 13 23-1878	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	560.00	57.61
		For Work In Restricted Working Space, Add	*25.90*	
		For Galvanized Fittings, Add	*85.26*	
		For 300 Lb. Rating, Add	*71.05*	
23 21 13 23-1879	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	781.35	69.70
		For Work In Restricted Working Space, Add	*31.35*	
		For Galvanized Fittings, Add	*121.83*	
		For 300 Lb. Rating, Add	*101.53*	
23 21 13 23-1880	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	913.44	94.15
		For Work In Restricted Working Space, Add	*42.36*	
		For Galvanized Fittings, Add	*139.00*	
		For 300 Lb. Rating, Add	*115.84*	
23 21 13 23-1881	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,256.97	127.45
		For Work In Restricted Working Space, Add	*57.31*	
		For Galvanized Fittings, Add	*191.87*	
		For 300 Lb. Rating, Add	*159.89*	
23 21 13 23-1882	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,971.44	154.75
		For Work In Restricted Working Space, Add	*69.59*	
		For Galvanized Fittings, Add	*313.11*	
		For 300 Lb. Rating, Add	*260.92*	
23 21 13 23-1883	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,649.03	180.44
		For Work In Restricted Working Space, Add	*81.19*	
		For Galvanized Fittings, Add	*428.11*	
		For 300 Lb. Rating, Add	*356.76*	
23 21 13 23-1884	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,129.53	216.60
		For Work In Restricted Working Space, Add	*97.42*	
		For Galvanized Fittings, Add	*504.86*	
		For 300 Lb. Rating, Add	*420.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1885	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,680.26	240.67
		For Work In Restricted Working Space, Add	*108.25*	
		For Galvanized Fittings, Add	*777.50*	
		For 300 Lb. Rating, Add	*647.91*	
23 21 13 23-1886	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,614.76	361.01
		For Work In Restricted Working Space, Add	*162.37*	
		For Galvanized Fittings, Add	*913.23*	
		For 300 Lb. Rating, Add	*761.03*	
23 21 13 23-1887	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,937.75	433.21
		For Work In Restricted Working Space, Add	*194.85*	
		For Galvanized Fittings, Add	*951.89*	
		For 300 Lb. Rating, Add	*793.24*	
23 21 13 23-1888	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,844.55	481.35
		For Work In Restricted Working Space, Add	*216.50*	
		For Galvanized Fittings, Add	*1,642.12*	
		For 300 Lb. Rating, Add	*1,368.44*	

23 21 13 23-1889 Grooved Concentric Reducers *(23 21 13 23-1870)*

Note: Victaulic No. 50

23 21 13 23-1890	EA	1-1/4" x 3/4", Grooved Concentric Reducer	353.52	14.96
		For Work In Restricted Working Space, Add	*6.74*	
		For Galvanized Fittings, Add	*14.57*	
23 21 13 23-1891	EA	1-1/4" x 1", Grooved Concentric Reducer	369.68	15.84
		For Work In Restricted Working Space, Add	*7.11*	
		For Galvanized Fittings, Add	*15.22*	
23 21 13 23-1892	EA	1-1/2" x 3/4", Grooved Concentric Reducer	416.32	17.08
		For Work In Restricted Working Space, Add	*7.67*	
		For Galvanized Fittings, Add	*46.97*	
23 21 13 23-1893	EA	1-1/2" x 1", Grooved Concentric Reducer	110.49	17.83
		For Work In Restricted Working Space, Add	*8.04*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1894	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	351.94	18.71
		For Work In Restricted Working Space, Add	*8.42*	
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-1895	EA	2" x 3/4", Grooved Concentric Reducer	114.24	20.33
		For Work In Restricted Working Space, Add	*9.17*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1896	EA	2" x 1", Grooved Concentric Reducer	115.48	21.20
		For Work In Restricted Working Space, Add	*9.54*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1897	EA	2" x 1-1/4", Grooved Concentric Reducer	125.13	22.07
		For Work In Restricted Working Space, Add	*9.92*	
		For Galvanized Fittings, Add	*11.07*	
23 21 13 23-1898	EA	2" x 1-1/2", Grooved Concentric Reducer	120.54	24.57
		For Work In Restricted Working Space, Add	*11.06*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1899	EA	2-1/2" x 3/4", Grooved Concentric Reducer	715.45	22.95
		For Work In Restricted Working Space, Add	*10.32*	
		For Galvanized Fittings, Add	*81.86*	
23 21 13 23-1900	EA	2-1/2" x 1", Grooved Concentric Reducer	569.88	23.81
		For Work In Restricted Working Space, Add	*10.69*	
		For Galvanized Fittings, Add	*64.22*	
23 21 13 23-1901	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	520.48	24.57
		For Work In Restricted Working Space, Add	*11.06*	
		For Galvanized Fittings, Add	*58.13*	
23 21 13 23-1902	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	124.20	27.06
		For Work In Restricted Working Space, Add	*12.16*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1903	EA	2-1/2" x 2", Grooved Concentric Reducer	129.19	30.30
		For Work In Restricted Working Space, Add	*13.65*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1904	EA	3" x 3/4", Grooved Concentric Reducer	725.43	26.69
		For Work In Restricted Working Space, Add	*11.99*	
		For Galvanized Fittings, Add	*104.19*	
23 21 13 23-1905	EA	3" x 1", Grooved Concentric Reducer	133.51	27.44
		For Work In Restricted Working Space, Add	*12.33*	
		For Galvanized Fittings, Add	*14.05*	
23 21 13 23-1906	EA	3" x 1-1/4", Grooved Concentric Reducer	573.29	28.31
		For Work In Restricted Working Space, Add	*12.71*	
		For Galvanized Fittings, Add	*80.70*	
23 21 13 23-1907	EA	3" x 1-1/2", Grooved Concentric Reducer	538.86	30.30
		For Work In Restricted Working Space, Add	*13.65*	
		For Galvanized Fittings, Add	*74.99*	
23 21 13 23-1908	EA	3" x 2", Grooved Concentric Reducer	123.90	33.67
		For Work In Restricted Working Space, Add	*15.15*	
		For Galvanized Fittings, Add	*11.16*	
23 21 13 23-1909	EA	3" x 2-1/2", Grooved Concentric Reducer	161.32	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*15.37*	
23 21 13 23-1910	EA	3-1/2" x 3", Grooved Concentric Reducer	172.62	43.27
		For Work In Restricted Working Space, Add	*19.45*	
		For Galvanized Fittings, Add	*16.38*	
23 21 13 23-1911	EA	4" x 1", Grooved Concentric Reducer	162.22	34.04
		For Work In Restricted Working Space, Add	*15.34*	
		For Galvanized Fittings, Add	*19.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1912	EA	4" x 1-1/4", Grooved Concentric Reducer	930.63	34.92
		For Work In Restricted Working Space, Add	*15.71*	
		For Galvanized Fittings, Add	*150.62*	
23 21 13 23-1913	EA	4" x 1-1/2", Grooved Concentric Reducer	726.93	37.04
		For Work In Restricted Working Space, Add	*16.65*	
		For Galvanized Fittings, Add	*115.15*	
23 21 13 23-1914	EA	4" x 2", Grooved Concentric Reducer	158.21	40.40
		For Work In Restricted Working Space, Add	*18.15*	
		For Galvanized Fittings, Add	*16.76*	
23 21 13 23-1915	EA	4" x 2-1/2", Grooved Concentric Reducer	187.33	43.27
		For Work In Restricted Working Space, Add	*19.46*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1916	EA	4" x 3", Grooved Concentric Reducer	192.32	46.64
		For Work In Restricted Working Space, Add	*20.95*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1917	EA	4" x 3-1/2", Grooved Concentric Reducer	197.31	49.88
		For Work In Restricted Working Space, Add	*22.45*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1918	EA	5" x 2", Grooved Concentric Reducer	1,306.43	47.01
		For Work In Restricted Working Space, Add	*21.14*	
		For Galvanized Fittings, Add	*211.97*	
23 21 13 23-1919	EA	5" x 2-1/2", Grooved Concentric Reducer	1,033.78	49.88
		For Work In Restricted Working Space, Add	*22.45*	
		For Galvanized Fittings, Add	*164.46*	
23 21 13 23-1920	EA	5" x 3", Grooved Concentric Reducer	223.18	53.25
		For Work In Restricted Working Space, Add	*23.94*	
		For Galvanized Fittings, Add	*24.59*	
23 21 13 23-1921	EA	5" x 4", Grooved Concentric Reducer	261.02	59.85
		For Work In Restricted Working Space, Add	*26.94*	
		For Galvanized Fittings, Add	*29.37*	
23 21 13 23-1922	EA	6" x 1", Grooved Concentric Reducer	303.79	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1923	EA	6" x 1-1/2", Grooved Concentric Reducer	1,379.96	53.62
		For Work In Restricted Working Space, Add	*24.13*	
		For Galvanized Fittings, Add	*242.49*	
23 21 13 23-1924	EA	6" x 2", Grooved Concentric Reducer	313.13	56.99
		For Work In Restricted Working Space, Add	*25.62*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1925	EA	6" x 2-1/2", Grooved Concentric Reducer	1,396.72	59.85
		For Work In Restricted Working Space, Add	*26.94*	
		For Galvanized Fittings, Add	*243.87*	
23 21 13 23-1926	EA	6" x 3", Grooved Concentric Reducer	322.51	63.22
		For Work In Restricted Working Space, Add	*28.44*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1927	EA	6" x 4", Grooved Concentric Reducer	303.06	69.84
		For Work In Restricted Working Space, Add	*31.43*	
		For Galvanized Fittings, Add	*37.00*	
23 21 13 23-1928	EA	6" x 5", Grooved Concentric Reducer	408.12	76.57
		For Work In Restricted Working Space, Add	*34.42*	
		For Galvanized Fittings, Add	*54.74*	
23 21 13 23-1929	EA	8" x 3", Grooved Concentric Reducer	514.15	71.58
		For Work In Restricted Working Space, Add	*32.18*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1930	EA	8" x 4", Grooved Concentric Reducer	524.10	78.18
		For Work In Restricted Working Space, Add	*35.16*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1931	EA	8" x 5", Grooved Concentric Reducer	534.09	84.80
		For Work In Restricted Working Space, Add	*38.16*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1932	EA	8" x 6", Grooved Concentric Reducer	661.03	94.77
		For Work In Restricted Working Space, Add	*42.65*	
		For Galvanized Fittings, Add	*96.82*	
23 21 13 23-1933	EA	10" x 4", Grooved Concentric Reducer	1,099.12	86.92
		For Work In Restricted Working Space, Add	*39.10*	
		For Galvanized Fittings, Add	*180.78*	
23 21 13 23-1934	EA	10" x 5", Grooved Concentric Reducer	2,275.86	93.53
		For Work In Restricted Working Space, Add	*42.09*	
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-1935	EA	10" x 6", Grooved Concentric Reducer	1,214.69	103.50
		For Work In Restricted Working Space, Add	*46.58*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1936	EA	10" x 8", Grooved Concentric Reducer	1,227.12	111.86
		For Work In Restricted Working Space, Add	*50.31*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1937	EA	12" x 4", Grooved Concentric Reducer	3,355.41	99.01
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*481.05*	
23 21 13 23-1938	EA	12" x 6", Grooved Concentric Reducer	1,436.90	115.60
		For Work In Restricted Working Space, Add	*51.99*	
		For Galvanized Fittings, Add	*189.54*	
23 21 13 23-1939	EA	12" x 8", Grooved Concentric Reducer	2,083.89	123.95
		For Work In Restricted Working Space, Add	*55.73*	
		For Galvanized Fittings, Add	*284.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1940	EA	12" x 10", Grooved Concentric Reducer	2,097.06	132.69
		For Work In Restricted Working Space, Add	*59.69*	
		For Galvanized Fittings, Add	*284.72*	
23 21 13 23-1941	EA	14" x 6", Grooved Concentric Reducer	6,627.04	124.58
		For Work In Restricted Working Space, Add	*56.04*	
		For Galvanized Fittings, Add	*197.72*	
23 21 13 23-1942	EA	14" x 8", Grooved Concentric Reducer	3,979.51	132.93
		For Work In Restricted Working Space, Add	*59.80*	
		For Galvanized Fittings, Add	*116.05*	
23 21 13 23-1943	EA	14" x 10", Grooved Concentric Reducer	3,404.13	141.66
		For Work In Restricted Working Space, Add	*63.71*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1944	EA	14" x 12", Grooved Concentric Reducer	3,422.18	153.63
		For Work In Restricted Working Space, Add	*69.12*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1945	EA	16" x 8", Grooved Concentric Reducer	6,036.98	141.78
		For Work In Restricted Working Space, Add	*63.80*	
		For Galvanized Fittings, Add	*178.81*	
23 21 13 23-1946	EA	16" x 10", Grooved Concentric Reducer	5,610.65	150.51
		For Work In Restricted Working Space, Add	*67.72*	
		For Galvanized Fittings, Add	*165.32*	
23 21 13 23-1947	EA	16" x 12", Grooved Concentric Reducer	5,198.00	162.61
		For Work In Restricted Working Space, Add	*73.13*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1948	EA	16" x 14", Grooved Concentric Reducer	5,211.47	171.59
		For Work In Restricted Working Space, Add	*77.17*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1949	EA	18" x 10", Grooved Concentric Reducer	7,842.08	158.87
		For Work In Restricted Working Space, Add	*71.45*	
		For Galvanized Fittings, Add	*233.44*	
23 21 13 23-1950	EA	18" x 12", Grooved Concentric Reducer	7,112.27	170.84
		For Work In Restricted Working Space, Add	*76.85*	
		For Galvanized Fittings, Add	*210.48*	
23 21 13 23-1951	EA	18" x 14", Grooved Concentric Reducer	6,476.47	179.82
		For Work In Restricted Working Space, Add	*80.90*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1952	EA	18" x 16", Grooved Concentric Reducer	6,489.95	188.92
		For Work In Restricted Working Space, Add	*84.95*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1953	EA	20" x 10", Grooved Concentric Reducer	8,626.34	162.98
		For Work In Restricted Working Space, Add	*73.30*	
		For Galvanized Fittings, Add	*257.33*	
23 21 13 23-1954	EA	20" x 12", Grooved Concentric Reducer	7,408.69	175.08
		For Work In Restricted Working Space, Add	*78.72*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-1955	EA	20" x 14", Grooved Concentric Reducer	7,422.17	184.06
		For Work In Restricted Working Space, Add	*82.77*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-1956	EA	20" x 16", Grooved Concentric Reducer	6,629.19	192.91
		For Work In Restricted Working Space, Add	*86.76*	
		For Galvanized Fittings, Add	*194.64*	
23 21 13 23-1957	EA	20" x 18", Grooved Concentric Reducer	7,062.61	201.27
		For Work In Restricted Working Space, Add	*90.54*	
		For Galvanized Fittings, Add	*207.56*	
23 21 13 23-1958	EA	24" x 10", Grooved Concentric Reducer	18,949.98	181.31
		For Work In Restricted Working Space, Add	*81.54*	
		For Galvanized Fittings, Add	*573.42*	
23 21 13 23-1959	EA	24" x 12", Grooved Concentric Reducer	18,517.06	193.42
		For Work In Restricted Working Space, Add	*87.00*	
		For Galvanized Fittings, Add	*559.57*	
23 21 13 23-1960	EA	24" x 14", Grooved Concentric Reducer	16,150.37	202.27
		For Work In Restricted Working Space, Add	*90.98*	
		For Galvanized Fittings, Add	*486.51*	
23 21 13 23-1961	EA	24" x 16", Grooved Concentric Reducer	16,163.93	211.36
		For Work In Restricted Working Space, Add	*95.05*	
		For Galvanized Fittings, Add	*486.51*	
23 21 13 23-1962	EA	24" x 18", Grooved Concentric Reducer	13,855.60	219.60
		For Work In Restricted Working Space, Add	*98.76*	
		For Galvanized Fittings, Add	*415.26*	
23 21 13 23-1963	EA	24" x 20", Grooved Concentric Reducer	12,663.82	223.84
		For Work In Restricted Working Space, Add	*100.67*	
		For Galvanized Fittings, Add	*378.48*	

23 21 13 23-1964 Grooved Eccentric Reducers *(23 21 13 23-1870)*

Note: Victaulic No. 51

23 21 13 23-1965	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	429.81	17.08
		For Work In Restricted Working Space, Add	*7.67*	
		For Galvanized Fittings, Add	*48.59*	
23 21 13 23-1966	EA	1-1/2" x 1", Grooved Eccentric Reducer	391.71	17.83
		For Work In Restricted Working Space, Add	*8.04*	
		For Galvanized Fittings, Add	*43.86*	
23 21 13 23-1967	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	384.99	18.71
		For Work In Restricted Working Space, Add	*8.42*	
		For Galvanized Fittings, Add	*42.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1968	EA	2" x 3/4", Grooved Eccentric Reducer	816.07	20.33
		For Work In Restricted Working Space, Add	*9.17*	
		For Galvanized Fittings, Add	*94.42*	
23 21 13 23-1969	EA	2" x 1", Grooved Eccentric Reducer	434.72	21.20
		For Work In Restricted Working Space, Add	*9.54*	
		For Galvanized Fittings, Add	*48.43*	
23 21 13 23-1970	EA	2" x 1-1/4", Grooved Eccentric Reducer	474.77	22.07
		For Work In Restricted Working Space, Add	*9.92*	
		For Galvanized Fittings, Add	*53.09*	
23 21 13 23-1971	EA	2" x 1-1/2", Grooved Eccentric Reducer	406.62	24.57
		For Work In Restricted Working Space, Add	*11.06*	
		For Galvanized Fittings, Add	*44.45*	
23 21 13 23-1972	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	1,059.78	22.95
		For Work In Restricted Working Space, Add	*10.32*	
		For Galvanized Fittings, Add	*123.25*	
23 21 13 23-1973	EA	2-1/2" x 1", Grooved Eccentric Reducer	990.92	23.81
		For Work In Restricted Working Space, Add	*10.69*	
		For Galvanized Fittings, Add	*114.83*	
23 21 13 23-1974	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	591.67	24.57
		For Work In Restricted Working Space, Add	*11.06*	
		For Galvanized Fittings, Add	*66.69*	
23 21 13 23-1975	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	480.14	27.06
		For Work In Restricted Working Space, Add	*12.16*	
		For Galvanized Fittings, Add	*52.84*	
23 21 13 23-1976	EA	2-1/2" x 2", Grooved Eccentric Reducer	222.60	30.30
		For Work In Restricted Working Space, Add	*13.65*	
		For Galvanized Fittings, Add	*21.29*	
23 21 13 23-1977	EA	3" x 1", Grooved Eccentric Reducer	1,065.82	27.44
		For Work In Restricted Working Space, Add	*12.33*	
		For Galvanized Fittings, Add	*123.17*	
23 21 13 23-1978	EA	3" x 1-1/4", Grooved Eccentric Reducer	970.02	28.31
		For Work In Restricted Working Space, Add	*12.71*	
		For Galvanized Fittings, Add	*111.50*	
23 21 13 23-1979	EA	3" x 1-1/2", Grooved Eccentric Reducer	554.00	30.30
		For Work In Restricted Working Space, Add	*13.65*	
		For Galvanized Fittings, Add	*61.12*	
23 21 13 23-1980	EA	3" x 2", Grooved Eccentric Reducer	254.01	33.67
		For Work In Restricted Working Space, Add	*15.15*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-1981	EA	3" x 2-1/2", Grooved Eccentric Reducer	263.68	40.16
		For Work In Restricted Working Space, Add	*18.05*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-1982	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,190.70	43.27
		For Work In Restricted Working Space, Add	*19.45*	
		For Galvanized Fittings, Add	*135.33*	
23 21 13 23-1983	EA	4" x 1", Grooved Eccentric Reducer	2,128.20	34.04
		For Work In Restricted Working Space, Add	*15.34*	
		For Galvanized Fittings, Add	*356.22*	
23 21 13 23-1984	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,311.69	37.04
		For Work In Restricted Working Space, Add	*16.65*	
		For Galvanized Fittings, Add	*215.44*	
23 21 13 23-1985	EA	4" x 2", Grooved Eccentric Reducer	309.32	40.40
		For Work In Restricted Working Space, Add	*18.15*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-1986	EA	4" x 2-1/2", Grooved Eccentric Reducer	313.68	43.27
		For Work In Restricted Working Space, Add	*19.46*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-1987	EA	4" x 3", Grooved Eccentric Reducer	318.67	46.64
		For Work In Restricted Working Space, Add	*20.95*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-1988	EA	5" x 2", Grooved Eccentric Reducer	1,455.66	47.01
		For Work In Restricted Working Space, Add	*21.14*	
		For Galvanized Fittings, Add	*237.56*	
23 21 13 23-1989	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,254.97	49.88
		For Work In Restricted Working Space, Add	*22.45*	
		For Galvanized Fittings, Add	*202.39*	
23 21 13 23-1990	EA	5" x 3", Grooved Eccentric Reducer	1,219.71	53.25
		For Work In Restricted Working Space, Add	*23.94*	
		For Galvanized Fittings, Add	*195.49*	
23 21 13 23-1991	EA	5" x 4", Grooved Eccentric Reducer	428.71	59.85
		For Work In Restricted Working Space, Add	*26.94*	
		For Galvanized Fittings, Add	*58.12*	
23 21 13 23-1992	EA	6" x 1", Grooved Eccentric Reducer	2,229.42	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*401.82*	
23 21 13 23-1993	EA	6" x 2", Grooved Eccentric Reducer	2,049.18	56.99
		For Work In Restricted Working Space, Add	*25.62*	
		For Galvanized Fittings, Add	*366.44*	
23 21 13 23-1994	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,428.18	59.85
		For Work In Restricted Working Space, Add	*26.94*	
		For Galvanized Fittings, Add	*436.34*	
23 21 13 23-1995	EA	6" x 3", Grooved Eccentric Reducer	546.02	63.22
		For Work In Restricted Working Space, Add	*28.44*	
		For Galvanized Fittings, Add	*84.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1996	EA	6" x 4", Grooved Eccentric Reducer	499.71	69.84
		For Work In Restricted Working Space, Add	*31.43*	
		For Galvanized Fittings, Add	*73.70*	
23 21 13 23-1997	EA	6" x 5", Grooved Eccentric Reducer	588.52	76.57
		For Work In Restricted Working Space, Add	*34.42*	
		For Galvanized Fittings, Add	*88.41*	
23 21 13 23-1998	EA	8" x 3", Grooved Eccentric Reducer	2,388.94	71.58
		For Work In Restricted Working Space, Add	*32.18*	
		For Galvanized Fittings, Add	*425.76*	
23 21 13 23-1999	EA	8" x 4", Grooved Eccentric Reducer	2,111.26	78.18
		For Work In Restricted Working Space, Add	*35.16*	
		For Galvanized Fittings, Add	*372.09*	
23 21 13 23-2000	EA	8" x 5", Grooved Eccentric Reducer	1,983.73	84.80
		For Work In Restricted Working Space, Add	*38.16*	
		For Galvanized Fittings, Add	*346.43*	
23 21 13 23-2001	EA	8" x 6", Grooved Eccentric Reducer	943.02	94.77
		For Work In Restricted Working Space, Add	*42.65*	
		For Galvanized Fittings, Add	*149.44*	
23 21 13 23-2002	EA	10" x 4", Grooved Eccentric Reducer	3,789.47	86.92
		For Work In Restricted Working Space, Add	*39.10*	
		For Galvanized Fittings, Add	*682.80*	
23 21 13 23-2003	EA	10" x 5", Grooved Eccentric Reducer	3,587.77	93.53
		For Work In Restricted Working Space, Add	*42.09*	
		For Galvanized Fittings, Add	*643.30*	
23 21 13 23-2004	EA	10" x 6", Grooved Eccentric Reducer	2,754.97	103.50
		For Work In Restricted Working Space, Add	*46.58*	
		For Galvanized Fittings, Add	*485.11*	
23 21 13 23-2005	EA	10" x 8", Grooved Eccentric Reducer	2,368.02	111.86
		For Work In Restricted Working Space, Add	*50.31*	
		For Galvanized Fittings, Add	*410.58*	
23 21 13 23-2006	EA	12" x 4", Grooved Eccentric Reducer	3,869.09	99.01
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*561.46*	
23 21 13 23-2007	EA	12" x 6", Grooved Eccentric Reducer	3,646.29	115.60
		For Work In Restricted Working Space, Add	*51.99*	
		For Galvanized Fittings, Add	*524.07*	
23 21 13 23-2008	EA	12" x 8", Grooved Eccentric Reducer	3,569.90	123.95
		For Work In Restricted Working Space, Add	*55.73*	
		For Galvanized Fittings, Add	*510.66*	
23 21 13 23-2009	EA	12" x 10", Grooved Eccentric Reducer	3,230.11	132.69
		For Work In Restricted Working Space, Add	*59.69*	
		For Galvanized Fittings, Add	*457.40*	
23 21 13 23-2010	EA	14" x 6", Grooved Eccentric Reducer	8,949.74	124.58
		For Work In Restricted Working Space, Add	*56.04*	
		For Galvanized Fittings, Add	*269.02*	
23 21 13 23-2011	EA	14" x 8", Grooved Eccentric Reducer	5,801.68	132.93
		For Work In Restricted Working Space, Add	*59.80*	
		For Galvanized Fittings, Add	*171.99*	
23 21 13 23-2012	EA	14" x 10", Grooved Eccentric Reducer	5,545.43	141.66
		For Work In Restricted Working Space, Add	*63.71*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2013	EA	14" x 12", Grooved Eccentric Reducer	5,563.48	153.63
		For Work In Restricted Working Space, Add	*69.12*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2014	EA	16" x 8", Grooved Eccentric Reducer	9,890.23	141.78
		For Work In Restricted Working Space, Add	*63.80*	
		For Galvanized Fittings, Add	*297.10*	
23 21 13 23-2015	EA	16" x 10", Grooved Eccentric Reducer	9,168.54	150.51
		For Work In Restricted Working Space, Add	*67.72*	
		For Galvanized Fittings, Add	*274.54*	
23 21 13 23-2016	EA	16" x 12", Grooved Eccentric Reducer	8,646.78	162.61
		For Work In Restricted Working Space, Add	*73.13*	
		For Galvanized Fittings, Add	*257.97*	
23 21 13 23-2017	EA	16" x 14", Grooved Eccentric Reducer	8,660.25	171.59
		For Work In Restricted Working Space, Add	*77.17*	
		For Galvanized Fittings, Add	*257.97*	
23 21 13 23-2018	EA	18" x 10", Grooved Eccentric Reducer	12,401.25	158.87
		For Work In Restricted Working Space, Add	*71.45*	
		For Galvanized Fittings, Add	*373.41*	
23 21 13 23-2019	EA	18" x 12", Grooved Eccentric Reducer	11,677.30	170.84
		For Work In Restricted Working Space, Add	*76.85*	
		For Galvanized Fittings, Add	*350.63*	
23 21 13 23-2020	EA	18" x 14", Grooved Eccentric Reducer	10,646.31	179.82
		For Work In Restricted Working Space, Add	*80.90*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2021	EA	18" x 16", Grooved Eccentric Reducer	10,659.79	188.92
		For Work In Restricted Working Space, Add	*84.95*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2022	EA	20" x 10", Grooved Eccentric Reducer	16,272.38	162.98
		For Work In Restricted Working Space, Add	*73.30*	
		For Galvanized Fittings, Add	*492.06*	
23 21 13 23-2023	EA	20" x 12", Grooved Eccentric Reducer	12,118.20	175.08
		For Work In Restricted Working Space, Add	*78.72*	
		For Galvanized Fittings, Add	*363.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2024	EA	20" x 14", Grooved Eccentric Reducer	11,390.50	184.06
		For Work In Restricted Working Space, Add	*82.77*	
		For Galvanized Fittings, Add	*341.22*	
23 21 13 23-2025	EA	20" x 16", Grooved Eccentric Reducer	11,223.96	192.91
		For Work In Restricted Working Space, Add	*86.76*	
		For Galvanized Fittings, Add	*335.70*	
23 21 13 23-2026	EA	20" x 18", Grooved Eccentric Reducer	10,817.60	201.27
		For Work In Restricted Working Space, Add	*90.54*	
		For Galvanized Fittings, Add	*322.84*	
23 21 13 23-2027	EA	24" x 12", Grooved Eccentric Reducer	23,492.64	193.42
		For Work In Restricted Working Space, Add	*87.00*	
		For Galvanized Fittings, Add	*712.32*	
23 21 13 23-2028	EA	24" x 14", Grooved Eccentric Reducer	20,078.57	202.27
		For Work In Restricted Working Space, Add	*90.98*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2029	EA	24" x 16", Grooved Eccentric Reducer	20,092.13	211.36
		For Work In Restricted Working Space, Add	*95.05*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2030	EA	24" x 18", Grooved Eccentric Reducer	18,981.96	219.60
		For Work In Restricted Working Space, Add	*98.76*	
		For Galvanized Fittings, Add	*572.64*	
23 21 13 23-2031	EA	24" x 20", Grooved Eccentric Reducer	17,357.19	223.84
		For Work In Restricted Working Space, Add	*100.67*	
		For Galvanized Fittings, Add	*522.56*	

23 21 13 23-2032 Grooved, Close Nipple *(23 21 13 23-1870)*

Note: Victaulic No. 143

23 21 13 23-2033	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	67.87	16.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Galvanized Fittings, Add	*7.73*	
		For 300 Lb. Rating, Add	*6.44*	
		For Galvanized Fittings, Add	*10.99*	
23 21 13 23-2034	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	77.95	20.57
		For Work In Restricted Working Space, Add	*9.35*	
		For Galvanized Fittings, Add	*8.42*	
		For 300 Lb. Rating, Add	*7.02*	
		For Galvanized Fittings, Add	*11.98*	
23 21 13 23-2035	EA	2" Ductile Iron, Grooved, Close Nipple	97.54	27.16
		For Work In Restricted Working Space, Add	*12.35*	
		For Galvanized Fittings, Add	*10.15*	
		For 300 Lb. Rating, Add	*8.46*	
		For Galvanized Fittings, Add	*14.44*	
23 21 13 23-2036	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	116.52	32.92
		For Work In Restricted Working Space, Add	*14.96*	
		For Galvanized Fittings, Add	*12.00*	
		For 300 Lb. Rating, Add	*10.00*	
		For Galvanized Fittings, Add	*17.06*	

23 21 13 23-2037 Grooved Caps *(23 21 13 23-1870)*

Note: Victaulic No. 60

23 21 13 23-2038	EA	1" Carbon Steel Grooved Cap	141.98	5.11
		For Work In Restricted Working Space, Add	*3.07*	
23 21 13 23-2039	EA	1-1/4" Carbon Steel Grooved Cap	144.47	6.36
		For Work In Restricted Working Space, Add	*3.82*	
23 21 13 23-2040	EA	1-1/2" Carbon Steel Grooved Cap	147.22	7.73
		For Work In Restricted Working Space, Add	*4.64*	
23 21 13 23-2041	EA	2" Carbon Steel Grooved Cap	152.08	10.23
		For Work In Restricted Working Space, Add	*6.10*	
23 21 13 23-2042	EA	2-1/2" Carbon Steel Grooved Cap	156.56	12.47
		For Work In Restricted Working Space, Add	*7.44*	
23 21 13 23-2043	EA	3" Carbon Steel Grooved Cap	161.80	15.09
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-2044	EA	4" Carbon Steel Grooved Cap	180.14	19.95
		For Work In Restricted Working Space, Add	*11.93*	
23 21 13 23-2045	EA	5" Carbon Steel Grooved Cap	372.20	24.81
		For Work In Restricted Working Space, Add	*14.89*	
23 21 13 23-2046	EA	6" Carbon Steel Grooved Cap	387.10	32.55
		For Work In Restricted Working Space, Add	*19.49*	
23 21 13 23-2047	EA	8" Carbon Steel Grooved Cap	689.85	38.65
		For Work In Restricted Working Space, Add	*23.20*	
23 21 13 23-2048	EA	10" Carbon Steel Grooved Cap	1,158.40	45.14
		For Work In Restricted Working Space, Add	*27.05*	
23 21 13 23-2049	EA	12" Carbon Steel Grooved Cap	1,975.99	54.12
		For Work In Restricted Working Space, Add	*32.47*	

23 21 13 23-2050 Grooved Couplings *(23 21 13 23-1627)*

23 21 13 23-2051 Flexible Grooved Coupling *(23 21 13 23-2050)*

Note: Victaulic Style 77

23 21 13 23-2052	EA	3/4" Grooved Standard Coupling	25.96	6.73
		For Work In Restricted Working Space, Add	*3.06*	
		For Galvanized Fittings, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2053	EA	1" Grooved Standard Coupling	25.96	6.73
		For Work In Restricted Working Space, Add	*3.06*	
		For Galvanized Fittings, Add	*4.42*	
23 21 13 23-2054	EA	1-1/4" Grooved Standard Coupling	33.72	8.48
		For Work In Restricted Working Space, Add	*3.82*	
		For Galvanized Fittings, Add	*5.87*	
23 21 13 23-2055	EA	1-1/2" Grooved Standard Coupling	38.13	10.10
		For Work In Restricted Working Space, Add	*4.56*	
		For Galvanized Fittings, Add	*6.42*	
23 21 13 23-2056	EA	2" Grooved Standard Coupling	44.60	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*6.78*	
23 21 13 23-2057	EA	2-1/2" Grooved Standard Coupling	53.82	16.59
		For Work In Restricted Working Space, Add	*7.45*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2058	EA	3" Grooved Standard Coupling	58.64	19.83
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2059	EA	3-1/2" Grooved Standard Coupling	81.57	23.20
		For Work In Restricted Working Space, Add	*10.45*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2060	EA	4" Grooved Standard Coupling	86.44	26.44
		For Work In Restricted Working Space, Add	*11.91*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2061	EA	5" Grooved Standard Coupling	121.29	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*20.06*	
23 21 13 23-2062	EA	6" Grooved Standard Coupling	149.64	43.27
		For Work In Restricted Working Space, Add	*19.49*	
		For Galvanized Fittings, Add	*23.71*	
23 21 13 23-2063	EA	8" Grooved Standard Coupling	215.37	51.62
		For Work In Restricted Working Space, Add	*23.20*	
		For Galvanized Fittings, Add	*38.65*	
23 21 13 23-2064	EA	10" Grooved Standard Coupling	322.21	61.85
		For Work In Restricted Working Space, Add	*27.83*	
		For Galvanized Fittings, Add	*64.24*	
23 21 13 23-2065	EA	12" Grooved Standard Coupling	362.70	67.72
		For Work In Restricted Working Space, Add	*30.44*	
		For Galvanized Fittings, Add	*73.14*	
23 21 13 23-2066	EA	14" Grooved Standard Coupling	452.65	90.29
		For Work In Restricted Working Space, Add	*40.59*	
		For Galvanized Fittings, Add	*88.86*	
23 21 13 23-2067	EA	16" Grooved Standard Coupling	578.62	108.37
		For Work In Restricted Working Space, Add	*48.71*	
		For Galvanized Fittings, Add	*116.55*	
23 21 13 23-2068	EA	18" Grooved Standard Coupling	667.89	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*136.49*	
23 21 13 23-2069	EA	20" Grooved Standard Coupling	969.86	135.42
		For Work In Restricted Working Space, Add	*60.89*	
		For Galvanized Fittings, Add	*214.73*	
23 21 13 23-2070	EA	24" Grooved Standard Coupling	1,090.82	166.60
		For Work In Restricted Working Space, Add	*74.94*	
		For Galvanized Fittings, Add	*235.48*	

23 21 13 23-2071 Zero-Flex® Rigid Coupling *(23 21 13 23-2050)*

Note: Victaulic Style 07

23 21 13 23-2072	EA	1" Grooved Rigid Coupling	32.13	6.73
		For Work In Restricted Working Space, Add	*3.06*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2073	EA	1-1/4" Grooved Rigid Coupling	34.68	8.48
		For Work In Restricted Working Space, Add	*3.82*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2074	EA	1-1/2" Grooved Rigid Coupling	37.14	10.10
		For Work In Restricted Working Space, Add	*4.56*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2075	EA	2" Grooved Rigid Coupling	42.87	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*5.51*	
23 21 13 23-2076	EA	2-1/2" Grooved Rigid Coupling	50.76	16.59
		For Work In Restricted Working Space, Add	*7.45*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2077	EA	3" Grooved Rigid Coupling	55.58	19.83
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2078	EA	3-1/2" Grooved Rigid Coupling	65.15	23.20
		For Work In Restricted Working Space, Add	*10.45*	
		For Galvanized Fittings, Add	*7.43*	
23 21 13 23-2079	EA	4" Grooved Rigid Coupling	82.66	26.44
		For Work In Restricted Working Space, Add	*11.91*	
		For Galvanized Fittings, Add	*10.52*	
23 21 13 23-2080	EA	5" Grooved Rigid Coupling	105.43	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*13.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2081	EA	6" Grooved Rigid Coupling	139.50	43.27
		For Work In Restricted Working Space, Add	*19.49*	
		For Galvanized Fittings, Add	*18.26*	
23 21 13 23-2082	EA	8" Grooved Rigid Coupling	194.78	51.62
		For Work In Restricted Working Space, Add	*23.20*	
		For Galvanized Fittings, Add	*28.78*	
23 21 13 23-2083	EA	10" Grooved Rigid Coupling	303.24	61.85
		For Work In Restricted Working Space, Add	*27.83*	
		For Galvanized Fittings, Add	*51.56*	
23 21 13 23-2084	EA	12" Grooved Rigid Coupling	337.00	67.72
		For Work In Restricted Working Space, Add	*30.44*	
		For Galvanized Fittings, Add	*57.70*	
23 21 13 23-2085	EA	14" Grooved Rigid Coupling	443.01	90.29
		For Work In Restricted Working Space, Add	*40.59*	
		For Galvanized Fittings, Add	*75.39*	
23 21 13 23-2086	EA	16" Grooved Rigid Coupling	563.68	108.37
		For Work In Restricted Working Space, Add	*48.71*	
		For Galvanized Fittings, Add	*98.32*	
23 21 13 23-2087	EA	18" Grooved Rigid Coupling	644.33	120.34
		For Work In Restricted Working Space, Add	*54.12*	
		For Galvanized Fittings, Add	*113.66*	
23 21 13 23-2088	EA	20" Grooved Rigid Coupling	755.29	135.42
		For Work In Restricted Working Space, Add	*60.89*	
		For Galvanized Fittings, Add	*135.32*	
23 21 13 23-2089	EA	24" Grooved Rigid Coupling	1,063.35	166.60
		For Work In Restricted Working Space, Add	*74.94*	
		For Galvanized Fittings, Add	*199.32*	

23 21 13 23-2090 Large Diameter Grooved Coupling *(23 21 13 23-2050)*

Note: Victaulic Style 770

23 21 13 23-2091	EA	28" Grooved Coupling	1,025.87	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*136.67*	
23 21 13 23-2092	EA	30" Grooved Coupling	1,188.89	43.27
		For Work In Restricted Working Space, Add	*19.49*	
		For Galvanized Fittings, Add	*157.35*	
23 21 13 23-2093	EA	32" Grooved Coupling	1,760.49	51.62
		For Work In Restricted Working Space, Add	*23.20*	
		For Galvanized Fittings, Add	*235.64*	
23 21 13 23-2094	EA	36" Grooved Coupling	2,335.17	61.85
		For Work In Restricted Working Space, Add	*27.83*	
		For Galvanized Fittings, Add	*313.93*	
23 21 13 23-2095	EA	42" Grooved Coupling	4,636.50	67.72
		For Work In Restricted Working Space, Add	*30.44*	
		For Galvanized Fittings, Add	*634.90*	

23 21 13 23-2096 Flexible Coupling *(23 21 13 23-2050)*

Note: Victaulic Style 75

23 21 13 23-2097	EA	1-1/2" Grooved Flexible Coupling	35.14	10.10
		For Work In Restricted Working Space, Add	*4.56*	
		For Galvanized Fittings, Add	*5.10*	
23 21 13 23-2098	EA	2" Grooved Flexible Coupling	40.82	13.59
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*5.24*	
23 21 13 23-2099	EA	2-1/2" Grooved Flexible Coupling	48.52	16.59
		For Work In Restricted Working Space, Add	*7.45*	
		For Galvanized Fittings, Add	*6.07*	
23 21 13 23-2100	EA	3" Grooved Flexible Coupling	57.20	19.83
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*7.06*	
23 21 13 23-2101	EA	3-1/2" Grooved Flexible Coupling	73.88	23.20
		For Work In Restricted Working Space, Add	*10.45*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2102	EA	4" Grooved Flexible Coupling	78.75	26.44
		For Work In Restricted Working Space, Add	*11.91*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2103	EA	5" Grooved Flexible Coupling	105.98	33.17
		For Work In Restricted Working Space, Add	*14.90*	
		For Galvanized Fittings, Add	*14.42*	
23 21 13 23-2104	EA	6" Grooved Flexible Coupling	132.81	43.27
		For Work In Restricted Working Space, Add	*19.49*	
		For Galvanized Fittings, Add	*17.37*	
23 21 13 23-2105	EA	8" Grooved Flexible Coupling	183.99	51.62
		For Work In Restricted Working Space, Add	*23.20*	
		For Galvanized Fittings, Add	*27.31*	

23 21 13 23-2106 Installation-Ready™ Coupling *(23 21 13 23-2050)*

Note: Victaulic Style 009N

23 21 13 23-2107	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	85.17	6.30
		For Work In Restricted Working Space, Add	*2.86*	
		For Galvanized Fittings, Add	*19.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2108	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	88.60	7.53
		For Work In Restricted Working Space, Add	*3.42*	
		For Galvanized Fittings, Add	*19.76*	
23 21 13 23-2109	EA	2" Ductile Iron, Installation-Ready™ Coupling	102.65	10.13
		For Work In Restricted Working Space, Add	*4.60*	
		For Galvanized Fittings, Add	*22.35*	
23 21 13 23-2110	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	119.16	12.27
		For Work In Restricted Working Space, Add	*5.57*	
		For Galvanized Fittings, Add	*25.75*	
23 21 13 23-2111	EA	3" Ductile Iron, Installation-Ready™ Coupling	136.14	14.73
		For Work In Restricted Working Space, Add	*6.70*	
		For Galvanized Fittings, Add	*29.14*	
23 21 13 23-2112	EA	4" Ductile Iron, Installation-Ready™ Coupling	189.63	19.67
		For Work In Restricted Working Space, Add	*8.94*	
		For Galvanized Fittings, Add	*40.92*	
23 21 13 23-2113	EA	5" Ductile Iron, Installation-Ready™ Coupling	298.72	24.61
		For Work In Restricted Working Space, Add	*11.19*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-2114	EA	6" Ductile Iron, Installation-Ready™ Coupling	361.14	32.18
		For Work In Restricted Working Space, Add	*14.63*	
		For Galvanized Fittings, Add	*79.97*	
23 21 13 23-2115	EA	8" Ductile Iron, Installation-Ready™ Coupling	579.89	38.27
		For Work In Restricted Working Space, Add	*17.39*	
		For Galvanized Fittings, Add	*133.61*	

23 21 13 23-2116 Grooved Strainers And Suction Diffusers *(23 21 13 23-1627)*

23 21 13 23-2117 Grooved Wye Strainers *(23 21 13 23-2116)*

Note: Victaulic Style 732

23 21 13 23-2118	EA	2" Grooved Wye Strainer	2,663.75	27.44
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-2119	EA	2-1/2" Grooved Wye Strainer	2,804.86	33.29
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2120	EA	3" Grooved Wye Strainer	3,154.74	39.90
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2121	EA	4" Grooved Wye Strainer	3,582.28	53.25
		For Work In Restricted Working Space, Add	*23.83*	
23 21 13 23-2122	EA	5" Grooved Wye Strainer	5,173.42	66.60
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-2123	EA	6" Grooved Wye Strainer	5,638.51	86.54
		For Work In Restricted Working Space, Add	*38.97*	
23 21 13 23-2124	EA	8" Grooved Wye Strainer	8,599.59	103.13
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-2125	EA	10" Grooved Wye Strainer	13,756.06	120.58
		For Work In Restricted Working Space, Add	*54.12*	
23 21 13 23-2126	EA	12" Grooved Wye Strainer	23,932.04	144.78
		For Work In Restricted Working Space, Add	*64.95*	

23 21 13 23-2127 Grooved Tee Type Strainers *(23 21 13 23-2116)*

Note: Victaulic Style 730

23 21 13 23-2128	EA	1-1/2" Grooved Tee Type Strainer	2,055.00	20.83
		For Work In Restricted Working Space, Add	*9.26*	
23 21 13 23-2129	EA	2" Grooved Tee Type Strainer	2,631.38	27.44
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-2130	EA	2-1/2" Grooved Tee Type Strainer	2,771.22	33.29
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2131	EA	3" Grooved Tee Type Strainer	3,116.73	39.90
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2132	EA	4" Grooved Tee Type Strainer	3,539.18	53.25
		For Work In Restricted Working Space, Add	*23.83*	
23 21 13 23-2133	EA	5" Grooved Tee Type Strainer	5,110.67	66.60
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-2134	EA	6" Grooved Tee Type Strainer	5,570.85	86.54
		For Work In Restricted Working Space, Add	*38.97*	
23 21 13 23-2135	EA	8" Grooved Tee Type Strainer	8,494.84	103.13
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-2136	EA	10" Grooved Tee Type Strainer	12,430.28	120.58
		For Work In Restricted Working Space, Add	*54.12*	
23 21 13 23-2137	EA	12" Grooved Tee Type Strainer	15,985.40	144.78
		For Work In Restricted Working Space, Add	*64.95*	
23 21 13 23-2138	EA	14" Grooved Tee Type Strainer	56,450.30	162.98
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-2139	EA	16" Grooved Tee Type Strainer	70,126.24	180.44
		For Work In Restricted Working Space, Add	*81.19*	
23 21 13 23-2140	EA	18" Grooved Tee Type Strainer	92,176.09	197.15
		For Work In Restricted Working Space, Add	*88.65*	

23 21 13 23-2141 Grooved Suction Diffuser *(23 21 13 23-2116)*

Note: Victaulic Style 731

23 21 13 23-2142	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,424.63	30.80
		For Work In Restricted Working Space, Add	*13.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2143	EA	3" Grooved x 2" Flanged Suction Diffuser	5,758.79	34.04
		For Work In Restricted Working Space, Add	*15.15*	
23 21 13 23-2144	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,162.98	39.90
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2145	EA	3" Grooved x 3" Flanged Suction Diffuser	4,222.21	43.27
		For Work In Restricted Working Space, Add	*19.45*	
23 21 13 23-2146	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,573.03	43.27
		For Work In Restricted Working Space, Add	*19.46*	
23 21 13 23-2147	EA	4" Grooved x 3" Flanged Suction Diffuser	4,933.74	46.64
		For Work In Restricted Working Space, Add	*20.95*	
23 21 13 23-2148	EA	4" Grooved x 4" Flanged Suction Diffuser	5,703.11	46.64
		For Work In Restricted Working Space, Add	*21.14*	
23 21 13 23-2149	EA	5" Grooved x 4" Flanged Suction Diffuser	6,368.76	59.85
		For Work In Restricted Working Space, Add	*26.94*	
23 21 13 23-2150	EA	5" Grooved x 5" Flanged Suction Diffuser	6,692.39	63.22
		For Work In Restricted Working Space, Add	*28.44*	
23 21 13 23-2151	EA	6" Grooved x 4" Flanged Suction Diffuser	6,799.46	69.84
		For Work In Restricted Working Space, Add	*31.43*	
23 21 13 23-2152	EA	6" Grooved x 5" Flanged Suction Diffuser	8,123.22	76.57
		For Work In Restricted Working Space, Add	*34.42*	
23 21 13 23-2153	EA	6" Grooved x 6" Flanged Suction Diffuser	8,437.49	81.56
		For Work In Restricted Working Space, Add	*36.66*	
23 21 13 23-2154	EA	8" Grooved x 5" Flanged Suction Diffuser	8,657.62	84.80
		For Work In Restricted Working Space, Add	*38.16*	
23 21 13 23-2155	EA	8" Grooved x 6" Flanged Suction Diffuser	9,137.42	94.77
		For Work In Restricted Working Space, Add	*42.65*	
23 21 13 23-2156	EA	8" Grooved x 8" Flanged Suction Diffuser	15,634.37	103.13
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-2157	EA	10" Grooved x 8" Flanged Suction Diffuser	17,634.64	111.49
		For Work In Restricted Working Space, Add	*50.31*	
23 21 13 23-2158	EA	10" Grooved x 10" Flanged Suction Diffuser	21,221.12	115.60
		For Work In Restricted Working Space, Add	*51.99*	
23 21 13 23-2159	EA	12" Grooved x 10" Flanged Suction Diffuser	25,112.98	133.06
		For Work In Restricted Working Space, Add	*59.69*	
23 21 13 23-2160	EA	12" Grooved x 12" Flanged Suction Diffuser	34,865.95	141.41
		For Work In Restricted Working Space, Add	*63.58*	
23 21 13 23-2161	EA	14" Grooved x 10" Flanged Suction Diffuser	32,463.62	141.41
		For Work In Restricted Working Space, Add	*63.71*	
23 21 13 23-2162	EA	14" Grooved x 12" Flanged Suction Diffuser	36,257.31	153.88
		For Work In Restricted Working Space, Add	*69.12*	
23 21 13 23-2163	EA	14" Grooved x 14" Flanged Suction Diffuser	43,993.79	162.98
		For Work In Restricted Working Space, Add	*73.13*	
23 21 13 23-2164	EA	16" Grooved x 14" Flanged Suction Diffuser	45,291.75	171.34
		For Work In Restricted Working Space, Add	*77.17*	

23 21 13 23-2165 Grooved Steel Valves *(23 21 13 23-1627)*

23 21 13 23-2166 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2165)*

23 21 13 23-2167	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	292.58	13.59
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2168	EA	2" Butterfly Valve, Grooved, With Standard Trim	299.02	17.83
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-2169	EA	3" Butterfly Valve, Grooved, With Standard Trim	490.15	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2170	EA	4" Butterfly Valve, Grooved, With Standard Trim	658.24	34.79
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2171	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,433.54	56.99
		For Work In Restricted Working Space, Add	*25.64*	
23 21 13 23-2172	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,986.85	80.18
		For Work In Restricted Working Space, Add	*36.08*	
23 21 13 23-2173	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,981.67	108.37
		For Work In Restricted Working Space, Add	*48.71*	

23 21 13 23-2174 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2165)*

23 21 13 23-2175	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	438.40	13.59
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2176	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	444.84	17.83
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-2177	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	687.82	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2178	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	875.36	34.79
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2179	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,673.34	56.99
		For Work In Restricted Working Space, Add	*25.64*	
23 21 13 23-2180	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,777.55	80.18
		For Work In Restricted Working Space, Add	*36.08*	
23 21 13 23-2181	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,375.11	108.37
		For Work In Restricted Working Space, Add	*48.71*	

23 21 13 23-2182 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2165)*

Note: Victaulic No. 721

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2183	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	247.25	13.35
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2184	EA	2" Ball Valve, Grooved, With Standard Trim	283.66	18.33
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-2185	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	644.29	22.45
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-2186	EA	3" Ball Valve, Grooved, With Standard Trim	1,054.70	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2187	EA	4" Ball Valve, Grooved, With Standard Trim	1,641.30	34.92
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2188	EA	6" Ball Valve, Grooved, With Standard Trim	5,094.17	57.36
		For Work In Restricted Working Space, Add	*25.64*	

23 21 13 23-2189 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2165)*

Note: Victaulic No. 721

23 21 13 23-2190	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	263.22	13.35
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2191	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	449.45	18.33
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-2192	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,167.06	22.45
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-2193	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,508.75	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2194	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,060.89	34.92
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2195	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,614.10	57.36
		For Work In Restricted Working Space, Add	*25.64*	

23 21 13 23-2196 Grooved Check Valves *(23 21 13 23-2165)*

Note: Victaulic No. 712

23 21 13 23-2197	EA	2" Check Valve, Grooved	374.93	18.33
		For Work In Restricted Working Space, Add	*8.04*	
23 21 13 23-2198	EA	2-1/2" Check Valve, Grooved	607.43	22.45
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-2199	EA	3" Check Valve, Grooved	707.81	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2200	EA	4" Check Valve, Grooved	1,002.81	34.92
		For Work In Restricted Working Space, Add	*15.68*	

23 21 13 23-2201 Grooved Vic-Check Check Valves *(23 21 13 23-2165)*

Note: Victaulic No. 716

23 21 13 23-2202	EA	2-1/2" "Vic-Check" Check Valve, Grooved	486.19	22.45
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-2203	EA	3" "Vic-Check" Check Valve, Grooved	492.24	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2204	EA	4" "Vic-Check" Check Valve, Grooved	617.17	34.92
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2205	EA	6" "Vic-Check" Check Valve, Grooved	1,201.23	57.36
		For Work In Restricted Working Space, Add	*25.64*	
23 21 13 23-2206	EA	8" "Vic-Check" Check Valve, Grooved	1,643.89	79.81
		For Work In Restricted Working Space, Add	*35.67*	
23 21 13 23-2207	EA	10" "Vic-Check" Check Valve, Grooved	4,574.17	108.12
		For Work In Restricted Working Space, Add	*48.30*	
23 21 13 23-2208	EA	12" "Vic-Check" Check Valve, Grooved	5,416.06	124.82
		For Work In Restricted Working Space, Add	*55.73*	

23 21 13 23-2209 Grooved Plug Valves With Lever Operator *(23 21 13 23-2165)*

Note: Victaulic No. 377

23 21 13 23-2210	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,382.38	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2211	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,529.72	34.92
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2212	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,735.35	57.36
		For Work In Restricted Working Space, Add	*25.64*	

23 21 13 23-2213 Grooved Plug Valve With Gear Operator *(23 21 13 23-2165)*

Note: Victaulic No. 377

23 21 13 23-2214	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,465.23	26.56
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2215	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,612.66	34.92
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2216	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,818.30	57.36
		For Work In Restricted Working Space, Add	*25.64*	
23 21 13 23-2217	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,105.15	79.81
		For Work In Restricted Working Space, Add	*35.67*	
23 21 13 23-2218	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,024.35	108.12
		For Work In Restricted Working Space, Add	*48.30*	
23 21 13 23-2219	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,639.31	124.82
		For Work In Restricted Working Space, Add	*55.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2220		Prepare Pipe For Groove *(23 21 13 23-1627)*		
23 21 13 23-2221		Cut Grooved Pipe *(23 21 13 23-2220)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2222	EA	Cut 3/4" Groove Pipe	13.06	
		For Work In Restricted Working Space, Add	*3.92*	
23 21 13 23-2223	EA	Cut 1" Groove Pipe	14.18	
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-2224	EA	Cut 1-1/4" Groove Pipe	16.01	
		For Work In Restricted Working Space, Add	*4.80*	
23 21 13 23-2225	EA	Cut 1-1/2" Groove Pipe	17.41	
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2226	EA	Cut 2" Groove Pipe	19.09	
		For Work In Restricted Working Space, Add	*5.73*	
23 21 13 23-2227	EA	Cut 2-1/2" Groove Pipe	20.68	
		For Work In Restricted Working Space, Add	*6.20*	
23 21 13 23-2228	EA	Cut 3" Groove Pipe	22.56	
		For Work In Restricted Working Space, Add	*6.77*	
23 21 13 23-2229	EA	Cut 3-1/2" Groove Pipe	23.92	
		For Work In Restricted Working Space, Add	*7.18*	
23 21 13 23-2230	EA	Cut 4" Groove Pipe	25.46	
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-2231	EA	Cut 5" Groove Pipe	27.58	
		For Work In Restricted Working Space, Add	*8.27*	
23 21 13 23-2232	EA	Cut 6" Groove Pipe	28.37	
		For Work In Restricted Working Space, Add	*8.51*	
23 21 13 23-2233	EA	Cut 8" Groove Pipe	36.78	
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-2234	EA	Cut 10" Groove Pipe	52.25	
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-2235	EA	Cut 12" Groove Pipe	66.19	
		For Work In Restricted Working Space, Add	*19.86*	
23 21 13 23-2236	EA	Cut 14" Groove Pipe	99.28	
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-2237	EA	Cut 16" Groove Pipe	104.51	
		For Work In Restricted Working Space, Add	*31.35*	
23 21 13 23-2238	EA	Cut 18" Groove Pipe	110.32	
		For Work In Restricted Working Space, Add	*33.10*	
23 21 13 23-2239	EA	Cut 20" Groove Pipe	116.81	
		For Work In Restricted Working Space, Add	*35.04*	
23 21 13 23-2240	EA	Cut 24" Groove Pipe	132.38	
		For Work In Restricted Working Space, Add	*39.71*	
23 21 13 23-2241		Roll Grooved Pipe *(23 21 13 23-2220)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2242	EA	Roll 3/4" Groove	7.46	
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2243	EA	Roll 1" Groove	8.71	
		For Work In Restricted Working Space, Add	*2.61*	
23 21 13 23-2244	EA	Roll 1-1/4" Groove	9.93	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-2245	EA	Roll 1-1/2" Groove	11.15	
		For Work In Restricted Working Space, Add	*3.35*	
23 21 13 23-2246	EA	Roll 2" Groove	17.12	
		For Work In Restricted Working Space, Add	*5.14*	
23 21 13 23-2247	EA	Roll 2-1/2" Groove	18.05	
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-2248	EA	Roll 3" Groove	19.86	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-2249	EA	Roll 3-1/2" Groove	21.13	
		For Work In Restricted Working Space, Add	*6.34*	
23 21 13 23-2250	EA	Roll 4" Groove	23.09	
		For Work In Restricted Working Space, Add	*6.93*	
23 21 13 23-2251	EA	Roll 5" Groove	23.64	
		For Work In Restricted Working Space, Add	*7.09*	
23 21 13 23-2252	EA	Roll 6" Groove	24.82	
		For Work In Restricted Working Space, Add	*7.45*	
23 21 13 23-2253	EA	Roll 8" Groove	30.08	
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-2254	EA	Roll 10" Groove	34.23	
		For Work In Restricted Working Space, Add	*10.27*	
23 21 13 23-2255	EA	Roll 12" Groove	43.17	
		For Work In Restricted Working Space, Add	*12.95*	
23 21 13 23-2256	EA	Roll 14" Groove	66.19	
		For Work In Restricted Working Space, Add	*19.86*	
23 21 13 23-2257	EA	Roll 16" Groove	70.92	
		For Work In Restricted Working Space, Add	*21.28*	
23 21 13 23-2258	EA	Roll 18" Groove	73.54	
		For Work In Restricted Working Space, Add	*22.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2259	EA	Roll 20" Groove	79.43	
		For Work In Restricted Working Space, Add	*23.83*	
23 21 13 23-2260	EA	Roll 24" Groove	86.33	
		For Work In Restricted Working Space, Add	*25.90*	

23 21 13 23-2261 Standard Gaskets *(23 21 13 23-2220)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2262	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.58	
		For Work In Restricted Working Space, Add	*1.56*	
23 21 13 23-2263	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.62	
		For Work In Restricted Working Space, Add	*1.87*	
23 21 13 23-2264	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.62	
		For Work In Restricted Working Space, Add	*2.08*	
23 21 13 23-2265	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.52	
		For Work In Restricted Working Space, Add	*2.34*	
23 21 13 23-2266	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.27	
		For Work In Restricted Working Space, Add	*2.56*	
23 21 13 23-2267	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.38	
		For Work In Restricted Working Space, Add	*2.67*	
23 21 13 23-2268	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.87	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-2269	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.40	
		For Work In Restricted Working Space, Add	*3.28*	
23 21 13 23-2270	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.01	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-2271	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.91	
		For Work In Restricted Working Space, Add	*3.56*	
23 21 13 23-2272	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	42.77	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-2273	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	57.43	
		For Work In Restricted Working Space, Add	*4.68*	
23 21 13 23-2274	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	70.97	
		For Work In Restricted Working Space, Add	*5.20*	
23 21 13 23-2275	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	84.60	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-2276	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	118.99	
		For Work In Restricted Working Space, Add	*9.85*	
23 21 13 23-2277	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	154.80	
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-2278	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	180.86	
		For Work In Restricted Working Space, Add	*11.00*	
23 21 13 23-2279	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	260.80	
		For Work In Restricted Working Space, Add	*11.69*	
23 21 13 23-2280	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	352.86	
		For Work In Restricted Working Space, Add	*13.36*	

23 21 13 23-2281 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2282 Grooved Fittings *(23 21 13 23-2281)*

23 21 13 23-2283 Grooved 90 Degree Elbows *(23 21 13 23-2282)*

23 21 13 23-2284	EA	2" Copper 90 Degree Elbow, Grooved	159.72	20.33
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-2285	EA	2-1/2" Copper 90 Degree Elbow, Grooved	178.41	24.81
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2286	EA	3" Copper 90 Degree Elbow, Grooved	240.55	30.05
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2287	EA	4" Copper 90 Degree Elbow, Grooved	493.44	39.65
		For Work In Restricted Working Space, Add	*23.83*	
23 21 13 23-2288	EA	5" Copper 90 Degree Elbow, Grooved	1,272.80	49.63
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-2289	EA	6" Copper 90 Degree Elbow, Grooved	2,002.66	64.97
		For Work In Restricted Working Space, Add	*38.97*	
23 21 13 23-2290	EA	8" Copper 90 Degree Elbow, Grooved	3,670.37	77.32
		For Work In Restricted Working Space, Add	*46.39*	

23 21 13 23-2291 Grooved 45 Degree Elbows *(23 21 13 23-2282)*

23 21 13 23-2292	EA	2" Copper 45 Degree Elbow, Grooved	159.72	20.33
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-2293	EA	2-1/2" Copper 45 Degree Elbow, Grooved	178.41	24.81
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2294	EA	3" Copper 45 Degree Elbow, Grooved	240.55	30.05
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2295	EA	4" Copper 45 Degree Elbow, Grooved	493.44	39.65
		For Work In Restricted Working Space, Add	*23.83*	
23 21 13 23-2296	EA	5" Copper 45 Degree Elbow, Grooved	1,272.80	49.63
		For Work In Restricted Working Space, Add	*29.78*	
23 21 13 23-2297	EA	6" Copper 45 Degree Elbow, Grooved	2,002.66	64.97
		For Work In Restricted Working Space, Add	*38.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2298	EA	8" Copper 45 Degree Elbow, Grooved	3,670.37	77.32
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-2299		**Grooved Tees** *(23 21 13 23-2282)*		
23 21 13 23-2300	EA	2" Copper Tee, Grooved	254.98	29.93
		For Work In Restricted Working Space, Add	*17.98*	
23 21 13 23-2301	EA	2-1/2" Copper Tee, Grooved	280.53	36.79
		For Work In Restricted Working Space, Add	*22.06*	
23 21 13 23-2302	EA	3" Copper Tee, Grooved	398.31	45.14
		For Work In Restricted Working Space, Add	*27.08*	
23 21 13 23-2303	EA	4" Copper Tee, Grooved	792.14	58.36
		For Work In Restricted Working Space, Add	*35.04*	
23 21 13 23-2304	EA	5" Copper Tee, Grooved	3,124.49	76.32
		For Work In Restricted Working Space, Add	*45.82*	
23 21 13 23-2305	EA	6" Copper Tee, Grooved	2,525.60	95.52
		For Work In Restricted Working Space, Add	*57.31*	
23 21 13 23-2306	EA	8" Copper Tee, Grooved	4,400.72	115.97
		For Work In Restricted Working Space, Add	*69.59*	
23 21 13 23-2307		**Grooved Reducing Tees** *(23 21 13 23-2282)*		
23 21 13 23-2308	EA	2-1/2" Copper Tee, Reducing, Grooved	382.12	36.79
		For Work In Restricted Working Space, Add	*22.06*	
23 21 13 23-2309	EA	3" Copper Tee, Reducing, Grooved	614.01	45.14
		For Work In Restricted Working Space, Add	*27.08*	
23 21 13 23-2310	EA	4" Copper Tee, Reducing, Grooved	1,004.03	58.49
		For Work In Restricted Working Space, Add	*35.04*	
23 21 13 23-2311	EA	5" Copper Tee, Reducing, Grooved	2,860.57	76.44
		For Work In Restricted Working Space, Add	*45.82*	
23 21 13 23-2312	EA	6" Copper Tee, Reducing, Grooved	3,497.02	95.52
		For Work In Restricted Working Space, Add	*57.31*	
23 21 13 23-2313		**Grooved X Cup Reducing Tees** *(23 21 13 23-2282)*		
23 21 13 23-2314	EA	2" Copper Tee, Reducing, Grooved X Cup	309.31	29.93
		For Work In Restricted Working Space, Add	*17.98*	
23 21 13 23-2315	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	383.23	36.79
		For Work In Restricted Working Space, Add	*22.06*	
23 21 13 23-2316	EA	3" Copper Tee, Reducing, Grooved X Cup	662.90	45.14
		For Work In Restricted Working Space, Add	*27.08*	
23 21 13 23-2317	EA	4" Copper Tee, Reducing, Grooved X Cup	1,004.03	58.36
		For Work In Restricted Working Space, Add	*35.04*	
23 21 13 23-2318		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2282)*		
23 21 13 23-2319	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	557.61	22.07
		For Work In Restricted Working Space, Add	*13.29*	
23 21 13 23-2320	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	588.19	26.81
		For Work In Restricted Working Space, Add	*16.10*	
23 21 13 23-2321	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	624.04	32.05
		For Work In Restricted Working Space, Add	*19.22*	
23 21 13 23-2322	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	700.23	43.15
		For Work In Restricted Working Space, Add	*25.90*	
23 21 13 23-2323	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	929.74	52.25
		For Work In Restricted Working Space, Add	*31.35*	
23 21 13 23-2324	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,039.17	70.58
		For Work In Restricted Working Space, Add	*42.36*	
23 21 13 23-2325		**Grooved Concentric Reducers** *(23 21 13 23-2282)*		
23 21 13 23-2326	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	216.11	22.69
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-2327	EA	3" x 2" Copper Concentric Reducer, Grooved	221.10	25.32
		For Work In Restricted Working Space, Add	*15.15*	
23 21 13 23-2328	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	230.77	30.05
		For Work In Restricted Working Space, Add	*18.05*	
23 21 13 23-2329	EA	4" x 2" Copper Concentric Reducer, Grooved	409.31	30.30
		For Work In Restricted Working Space, Add	*18.15*	
23 21 13 23-2330	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	413.67	32.42
		For Work In Restricted Working Space, Add	*19.46*	
23 21 13 23-2331	EA	4" x 3" Copper Concentric Reducer, Grooved	418.66	34.92
		For Work In Restricted Working Space, Add	*20.95*	
23 21 13 23-2332	EA	5" x 3" Copper Concentric Reducer, Grooved	1,061.01	39.90
		For Work In Restricted Working Space, Add	*23.94*	
23 21 13 23-2333	EA	5" x 4" Copper Concentric Reducer, Grooved	1,070.99	44.89
		For Work In Restricted Working Space, Add	*26.94*	
23 21 13 23-2334	EA	6" x 3" Copper Concentric Reducer, Grooved	1,156.94	47.38
		For Work In Restricted Working Space, Add	*28.44*	
23 21 13 23-2335	EA	6" x 4" Copper Concentric Reducer, Grooved	1,166.90	52.37
		For Work In Restricted Working Space, Add	*31.43*	
23 21 13 23-2336	EA	6" x 5" Copper Concentric Reducer, Grooved	1,176.89	57.36
		For Work In Restricted Working Space, Add	*34.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2337	EA	8" x 6" Copper Concentric Reducer, Grooved	2,006.23	71.08
		For Work In Restricted Working Space, Add	*42.65*	
23 21 13 23-2338		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2282)*		
23 21 13 23-2339	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	173.07	15.96
		For Work In Restricted Working Space, Add	*9.54*	
23 21 13 23-2340	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	174.32	16.59
		For Work In Restricted Working Space, Add	*9.92*	
23 21 13 23-2341	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	178.13	18.45
		For Work In Restricted Working Space, Add	*11.06*	
23 21 13 23-2342	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	208.40	17.83
		For Work In Restricted Working Space, Add	*10.69*	
23 21 13 23-2343	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	209.64	18.45
		For Work In Restricted Working Space, Add	*11.06*	
23 21 13 23-2344	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	213.30	20.33
		For Work In Restricted Working Space, Add	*12.16*	
23 21 13 23-2345	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	218.29	22.69
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-2346	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	260.10	22.69
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-2347	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	265.09	25.32
		For Work In Restricted Working Space, Add	*15.15*	
23 21 13 23-2348	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	458.75	30.17
		For Work In Restricted Working Space, Add	*18.15*	
23 21 13 23-2349		**Grooved Standard Couplings** *(23 21 13 23-2282)*		
23 21 13 23-2350	EA	2" Copper Standard Coupling, Grooved	61.39	10.23
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2351	EA	2-1/2" Copper Standard Coupling, Grooved	71.84	12.47
		For Work In Restricted Working Space, Add	*7.45*	
23 21 13 23-2352	EA	3" Copper Standard Coupling, Grooved	81.39	14.84
		For Work In Restricted Working Space, Add	*8.89*	
23 21 13 23-2353	EA	4" Copper Standard Coupling, Grooved	118.92	19.95
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2354	EA	5" Copper Standard Coupling, Grooved	184.40	24.81
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2355	EA	6" Copper Standard Coupling, Grooved	242.93	32.42
		For Work In Restricted Working Space, Add	*19.49*	
23 21 13 23-2356	EA	8" Copper Standard Coupling, Grooved	354.40	38.65
		For Work In Restricted Working Space, Add	*23.20*	
23 21 13 23-2357		**Grooved Caps** *(23 21 13 23-2282)*		
23 21 13 23-2358	EA	2" Copper Cap, Grooved	102.39	10.23
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-2359	EA	2-1/2" Copper Cap, Grooved	146.53	12.47
		For Work In Restricted Working Space, Add	*7.45*	
23 21 13 23-2360	EA	3" Copper Cap, Grooved	180.67	14.84
		For Work In Restricted Working Space, Add	*8.89*	
23 21 13 23-2361	EA	4" Copper Cap, Grooved	266.27	19.83
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-2362	EA	5" Copper Cap, Grooved	451.35	24.81
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2363	EA	6" Copper Cap, Grooved	527.30	32.42
		For Work In Restricted Working Space, Add	*19.49*	
23 21 13 23-2364		**Grooved Valves** *(23 21 13 23-2281)*		
23 21 13 23-2365		**Grooved Butterfly Valves, Standard Trim, Without Operator** *(23 21 13 23-2364)*		
		Note: Copper body.		
23 21 13 23-2366	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	482.31	13.35
		For Work In Restricted Working Space, Add	*8.04*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2367	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	549.90	19.83
		For Work In Restricted Working Space, Add	*11.91*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2368	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	726.87	26.06
		For Work In Restricted Working Space, Add	*15.68*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2369	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	972.19	42.77
		For Work In Restricted Working Space, Add	*25.64*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2370	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,075.50	60.10
		For Work In Restricted Working Space, Add	*36.08*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2371		Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2364)*		
		Note: Copper body.		
23 21 13 23-2372	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	588.37	13.35
		For Work In Restricted Working Space, Add	*8.04*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2373	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	656.03	19.83
		For Work In Restricted Working Space, Add	*11.91*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2374	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	833.00	26.06
		For Work In Restricted Working Space, Add	*15.68*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2375	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,078.39	42.77
		For Work In Restricted Working Space, Add	*25.64*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2376	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,181.63	60.10
		For Work In Restricted Working Space, Add	*36.08*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2377		Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*		
		Note: Socket or back weld.		
23 21 13 23-2378		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2377)*		
		Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2379		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2378)*		
23 21 13 23-2380	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.79	3.56
		For Work In Restricted Working Space, Add	*1.61*	
23 21 13 23-2381	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.25	4.45
		For Work In Restricted Working Space, Add	*2.00*	
23 21 13 23-2382	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.95	4.75
		For Work In Restricted Working Space, Add	*2.14*	
23 21 13 23-2383	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.74	5.11
		For Work In Restricted Working Space, Add	*2.30*	
23 21 13 23-2384	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.01	5.20
		For Work In Restricted Working Space, Add	*2.34*	
23 21 13 23-2385	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	11.00	6.22
		For Work In Restricted Working Space, Add	*2.80*	
23 21 13 23-2386	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.72	7.40
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-2387	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.83	8.94
		For Work In Restricted Working Space, Add	*4.02*	
23 21 13 23-2388	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	25.04	13.41
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2389	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	35.42	17.88
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2390	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	45.03	21.31
		For Work In Restricted Working Space, Add	*9.59*	
23 21 13 23-2391	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	75.65	23.80
		For Work In Restricted Working Space, Add	*10.70*	
23 21 13 23-2392		Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2378)*		
23 21 13 23-2393	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.98	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2394	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	28.04	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2395	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	35.43	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2396	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	51.07	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2397	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	57.34	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2398	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	74.12	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2399	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	120.17	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2400	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	155.77	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2401	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	199.65	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2402	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	282.98	118.84
		For Work In Restricted Working Space, Add	*53.44*	
23 21 13 23-2403	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	477.78	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2404	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	714.41	206.75
		For Work In Restricted Working Space, Add	*92.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2405		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2378)*		
23 21 13 23-2406	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.42	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2407	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	28.91	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2408	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	36.65	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2409	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	51.86	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2410	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	59.09	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2411	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	75.25	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2412	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	120.17	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2413	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	163.10	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2414	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	213.00	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2415	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	284.20	118.84
		For Work In Restricted Working Space, Add	*53.44*	
23 21 13 23-2416	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	463.04	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2417	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	714.41	206.75
		For Work In Restricted Working Space, Add	*92.97*	
23 21 13 23-2418		**Schedule 40 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2378)*		
23 21 13 23-2419	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	34.30	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2420	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	41.36	26.81
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-2421	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	55.25	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2422	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	70.89	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2423	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	84.73	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-2424	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	105.95	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2425	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	151.84	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2426	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	182.82	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2427	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	256.67	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2428	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	432.85	178.82
		For Work In Restricted Working Space, Add	*80.45*	
23 21 13 23-2429	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	714.55	221.84
		For Work In Restricted Working Space, Add	*99.76*	
23 21 13 23-2430	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,991.83	331.45
		For Work In Restricted Working Space, Add	*149.09*	
23 21 13 23-2431		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(23 21 13 23-2378)*		
23 21 13 23-2432	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	43.21	27.68
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-2433	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	52.06	33.54
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-2434	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	69.75	44.27
		For Work In Restricted Working Space, Add	*19.90*	
23 21 13 23-2435	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	89.73	56.24
		For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-2436	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	107.26	67.09
		For Work In Restricted Working Space, Add	*30.17*	
23 21 13 23-2437	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	134.41	83.17
		For Work In Restricted Working Space, Add	*37.41*	
23 21 13 23-2438	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	196.35	109.49
		For Work In Restricted Working Space, Add	*49.22*	
23 21 13 23-2439	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	237.09	129.94
		For Work In Restricted Working Space, Add	*58.46*	
23 21 13 23-2440	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	336.36	173.34
		For Work In Restricted Working Space, Add	*77.94*	
23 21 13 23-2441	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	593.22	223.47
		For Work In Restricted Working Space, Add	*100.52*	
23 21 13 23-2442	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,014.31	277.08
		For Work In Restricted Working Space, Add	*124.64*	
23 21 13 23-2443	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,964.85	414.50
		For Work In Restricted Working Space, Add	*186.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2444		**Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2378)*		
23 21 13 23-2445	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	21.65	13.72
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-2446	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	28.36	17.59
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-2447	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	37.87	23.57
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-2448	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	46.77	29.31
		For Work In Restricted Working Space, Add	*13.35*	
23 21 13 23-2449	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	57.38	35.29
		For Work In Restricted Working Space, Add	*16.06*	
23 21 13 23-2450	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	80.40	49.01
		For Work In Restricted Working Space, Add	*22.29*	
23 21 13 23-2451	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	111.83	67.72
		For Work In Restricted Working Space, Add	*30.80*	
23 21 13 23-2452	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	148.29	84.17
		For Work In Restricted Working Space, Add	*38.29*	
23 21 13 23-2453	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	199.82	98.01
		For Work In Restricted Working Space, Add	*44.54*	
23 21 13 23-2454	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	466.92	113.23
		For Work In Restricted Working Space, Add	*51.47*	
23 21 13 23-2455	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	558.00	151.89
		For Work In Restricted Working Space, Add	*69.03*	
23 21 13 23-2456		**Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts** *(23 21 13 23-2378)*		
23 21 13 23-2457	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.94	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2458	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.65	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2459	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.52	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2460	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	50.55	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2461	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	57.08	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2462	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	72.89	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2463	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	107.70	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2464	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	140.42	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2465	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	176.54	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2466		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2378)*		
23 21 13 23-2467	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	22.55	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2468	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	29.26	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2469	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	36.74	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2470	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	51.25	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2471	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	58.65	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2472	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	74.29	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2473	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	109.27	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2474	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	145.22	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2475	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	173.75	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2476		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2378)*		
23 21 13 23-2477	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.98	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2478	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	27.95	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2479	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	34.56	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2480	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	49.15	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2481	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	55.51	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2482	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	70.71	45.01
		For Work In Restricted Working Space, Add	*20.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2483	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	114.15	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2484	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	150.62	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2485	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	187.88	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2486		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2378)*		
23 21 13 23-2487	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	33.81	18.33
		For Work In Restricted Working Space, Add	*8.23*	
23 21 13 23-2488		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2378)*		
23 21 13 23-2489	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	20.63	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2490	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	27.52	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2491	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	34.56	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2492	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	48.80	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2493	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	54.99	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2494	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	70.36	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2495	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	106.39	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2496	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	141.64	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2497	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	170.96	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2498	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	225.94	118.84
		For Work In Restricted Working Space, Add	*53.44*	
23 21 13 23-2499	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	297.14	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2500	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	632.69	148.65
		For Work In Restricted Working Space, Add	*66.83*	
23 21 13 23-2501		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2378)*		
23 21 13 23-2502	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	40.31	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2503	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	54.97	26.81
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-2504	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	69.55	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2505	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	107.52	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2506	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	122.33	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-2507	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	156.19	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2508	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	233.66	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2509	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	264.37	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2510	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	422.99	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2511	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	556.49	178.82
		For Work In Restricted Working Space, Add	*80.42*	
23 21 13 23-2512	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	808.22	221.72
		For Work In Restricted Working Space, Add	*99.71*	
23 21 13 23-2513	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,197.03	275.21
		For Work In Restricted Working Space, Add	*123.81*	
23 21 13 23-2514		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2378)*		
23 21 13 23-2515	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.88	6.07
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-2516	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	12.94	7.98
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2517	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	16.36	9.85
		For Work In Restricted Working Space, Add	*4.49*	
23 21 13 23-2518	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	23.39	14.16
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-2519	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	25.97	15.71
		For Work In Restricted Working Space, Add	*7.16*	
23 21 13 23-2520	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	32.85	20.08
		For Work In Restricted Working Space, Add	*9.10*	
23 21 13 23-2521	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	53.18	29.68
		For Work In Restricted Working Space, Add	*13.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2522	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	68.05	39.03
		For Work In Restricted Working Space, Add	*17.72*	
23 21 13 23-2523	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	90.73	46.26
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-2524	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	129.45	52.88
		For Work In Restricted Working Space, Add	*24.05*	
23 21 13 23-2525	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	258.38	61.73
		For Work In Restricted Working Space, Add	*28.06*	
23 21 13 23-2526	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	749.38	92.03
		For Work In Restricted Working Space, Add	*41.84*	

23 21 13 23-2527 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2378)*

23 21 13 23-2528	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	50.78	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2529	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	67.09	26.81
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-2530	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	82.98	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2531	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	98.19	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2532	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	111.95	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-2533	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	141.62	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2534	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	195.89	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2535	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	227.21	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2536	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	298.19	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2537	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	410.14	178.82
		For Work In Restricted Working Space, Add	*80.42*	
23 21 13 23-2538	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	652.88	221.72
		For Work In Restricted Working Space, Add	*99.71*	
23 21 13 23-2539	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,134.47	274.84
		For Work In Restricted Working Space, Add	*123.62*	

23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2377)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2541 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2540)*

23 21 13 23-2542	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.92	3.61
		For Work In Restricted Working Space, Add	*1.61*	
23 21 13 23-2543	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.40	4.49
		For Work In Restricted Working Space, Add	*2.00*	
23 21 13 23-2544	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.09	5.36
		For Work In Restricted Working Space, Add	*2.41*	
23 21 13 23-2545	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.82	6.24
		For Work In Restricted Working Space, Add	*2.81*	
23 21 13 23-2546	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.43	7.11
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-2547	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.92	8.97
		For Work In Restricted Working Space, Add	*4.02*	
23 21 13 23-2548	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	18.50	9.85
		For Work In Restricted Working Space, Add	*4.43*	
23 21 13 23-2549	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	21.05	10.72
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2550	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	27.39	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2551	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	40.66	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2552	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	53.07	21.32
		For Work In Restricted Working Space, Add	*9.59*	
23 21 13 23-2553	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	99.41	22.95
		For Work In Restricted Working Space, Add	*10.33*	

23 21 13 23-2554 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2540)*

23 21 13 23-2555	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	23.25	13.47
		For Work In Restricted Working Space, Add	*6.03*	
		For Threaded Fittings, Add	*3.02*	
23 21 13 23-2556	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.92	17.83
		For Work In Restricted Working Space, Add	*8.05*	
		For Threaded Fittings, Add	*4.02*	
23 21 13 23-2557	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	39.88	22.20
		For Work In Restricted Working Space, Add	*9.98*	
		For Threaded Fittings, Add	*4.99*	
23 21 13 23-2558	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.87	31.43
		For Work In Restricted Working Space, Add	*14.12*	
		For Threaded Fittings, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2559	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	62.49	35.41
		For Work In Restricted Working Space, Add	*15.92*	
		For Threaded Fittings, Add	*7.96*	
23 21 13 23-2560	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	78.83	45.01
		For Work In Restricted Working Space, Add	*20.22*	
		For Threaded Fittings, Add	*10.11*	
23 21 13 23-2561	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	126.54	66.60
		For Work In Restricted Working Space, Add	*29.93*	
		For Threaded Fittings, Add	*14.96*	
23 21 13 23-2562	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	161.35	87.54
		For Work In Restricted Working Space, Add	*39.38*	
		For Threaded Fittings, Add	*19.69*	
23 21 13 23-2563	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	201.57	104.00
		For Work In Restricted Working Space, Add	*46.76*	
		For Threaded Fittings, Add	*23.38*	
23 21 13 23-2564	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	343.25	118.84
		For Work In Restricted Working Space, Add	*53.44*	
		For Threaded Fittings, Add	*26.72*	
23 21 13 23-2565	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	566.74	138.67
		For Work In Restricted Working Space, Add	*62.35*	
		For Threaded Fittings, Add	*31.17*	
23 21 13 23-2566	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	714.41	206.75
		For Work In Restricted Working Space, Add	*92.97*	
		For Threaded Fittings, Add	*46.48*	

23 21 13 23-2567 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2540)*

23 21 13 23-2568	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	26.13	13.47
		For Work In Restricted Working Space, Add	*6.03*	
		For Threaded Fittings, Add	*3.02*	
23 21 13 23-2569	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.98	17.83
		For Work In Restricted Working Space, Add	*8.05*	
		For Threaded Fittings, Add	*4.02*	
23 21 13 23-2570	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	47.03	22.20
		For Work In Restricted Working Space, Add	*9.98*	
		For Threaded Fittings, Add	*4.99*	
23 21 13 23-2571	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	64.68	31.43
		For Work In Restricted Working Space, Add	*14.12*	
		For Threaded Fittings, Add	*7.06*	
23 21 13 23-2572	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	73.83	35.41
		For Work In Restricted Working Space, Add	*15.92*	
		For Threaded Fittings, Add	*7.96*	
23 21 13 23-2573	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	94.35	45.01
		For Work In Restricted Working Space, Add	*20.22*	
		For Threaded Fittings, Add	*10.11*	
23 21 13 23-2574	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	156.46	66.60
		For Work In Restricted Working Space, Add	*29.93*	
		For Threaded Fittings, Add	*14.96*	
23 21 13 23-2575	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	200.26	87.54
		For Work In Restricted Working Space, Add	*39.38*	
		For Threaded Fittings, Add	*19.69*	
23 21 13 23-2576	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	280.17	104.00
		For Work In Restricted Working Space, Add	*46.76*	
		For Threaded Fittings, Add	*23.38*	
23 21 13 23-2577	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	334.62	118.84
		For Work In Restricted Working Space, Add	*53.44*	
		For Threaded Fittings, Add	*26.72*	
23 21 13 23-2578	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	547.14	138.67
		For Work In Restricted Working Space, Add	*62.35*	
		For Threaded Fittings, Add	*31.17*	
23 21 13 23-2579	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	692.37	206.75
		For Work In Restricted Working Space, Add	*92.97*	
		For Threaded Fittings, Add	*46.48*	

23 21 13 23-2580 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2540)*

23 21 13 23-2581	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	40.55	21.08
		For Work In Restricted Working Space, Add	*9.47*	
		For Threaded Fittings, Add	*4.74*	
23 21 13 23-2582	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	49.65	26.81
		For Work In Restricted Working Space, Add	*12.07*	
		For Threaded Fittings, Add	*6.03*	
23 21 13 23-2583	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	64.85	35.41
		For Work In Restricted Working Space, Add	*15.92*	
		For Threaded Fittings, Add	*7.96*	
23 21 13 23-2584	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	99.94	45.01
		For Work In Restricted Working Space, Add	*20.22*	
		For Threaded Fittings, Add	*10.11*	
23 21 13 23-2585	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	113.00	53.62
		For Work In Restricted Working Space, Add	*24.14*	
		For Threaded Fittings, Add	*12.07*	
23 21 13 23-2586	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	140.49	66.60
		For Work In Restricted Working Space, Add	*29.93*	
		For Threaded Fittings, Add	*14.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2587	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	175.57	87.54
		For Work In Restricted Working Space, Add	*39.38*	
		For Threaded Fittings, Add	*19.69*	
23 21 13 23-2588	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	211.17	104.00
		For Work In Restricted Working Space, Add	*46.76*	
		For Threaded Fittings, Add	*23.38*	
23 21 13 23-2589	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	271.94	138.67
		For Work In Restricted Working Space, Add	*62.35*	
		For Threaded Fittings, Add	*31.17*	
23 21 13 23-2590	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	487.20	178.82
		For Work In Restricted Working Space, Add	*80.45*	
		For Threaded Fittings, Add	*40.23*	
23 21 13 23-2591	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	840.53	221.84
		For Work In Restricted Working Space, Add	*99.76*	
		For Threaded Fittings, Add	*49.88*	
23 21 13 23-2592	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,991.93	331.45
		For Work In Restricted Working Space, Add	*149.09*	
		For Threaded Fittings, Add	*74.55*	

23 21 13 23-2593 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2540)*

23 21 13 23-2594	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	53.54	26.31
		For Work In Restricted Working Space, Add	*11.84*	
		For Threaded Fittings, Add	*5.92*	
23 21 13 23-2595	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	65.04	33.54
		For Work In Restricted Working Space, Add	*15.08*	
		For Threaded Fittings, Add	*7.54*	
23 21 13 23-2596	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	84.79	44.27
		For Work In Restricted Working Space, Add	*19.90*	
		For Threaded Fittings, Add	*9.95*	
23 21 13 23-2597	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	135.26	56.24
		For Work In Restricted Working Space, Add	*25.28*	
		For Threaded Fittings, Add	*12.64*	
23 21 13 23-2598	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	151.56	67.09
		For Work In Restricted Working Space, Add	*30.17*	
		For Threaded Fittings, Add	*15.08*	
23 21 13 23-2599	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	188.55	83.17
		For Work In Restricted Working Space, Add	*37.41*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2600	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	233.55	109.49
		For Work In Restricted Working Space, Add	*49.22*	
		For Threaded Fittings, Add	*24.61*	
23 21 13 23-2601	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	281.54	129.94
		For Work In Restricted Working Space, Add	*58.46*	
		For Threaded Fittings, Add	*29.23*	
23 21 13 23-2602	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	360.29	173.34
		For Work In Restricted Working Space, Add	*77.94*	
		For Threaded Fittings, Add	*38.97*	
23 21 13 23-2603	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	678.42	223.47
		For Work In Restricted Working Space, Add	*100.52*	
		For Threaded Fittings, Add	*50.26*	
23 21 13 23-2604	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,211.79	277.08
		For Work In Restricted Working Space, Add	*124.64*	
		For Threaded Fittings, Add	*62.32*	
23 21 13 23-2605	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,965.00	414.50
		For Work In Restricted Working Space, Add	*186.45*	
		For Threaded Fittings, Add	*93.23*	

23 21 13 23-2606 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2540)*

23 21 13 23-2607	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	28.65	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2608	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	38.57	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2609	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	55.43	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2610	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	64.49	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2611	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	83.71	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2612	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	128.02	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2613	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	176.18	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2614	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	218.14	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2615	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	247.21	118.84
		For Work In Restricted Working Space, Add	*53.44*	
23 21 13 23-2616	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	361.16	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2617	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	569.39	160.99
		For Work In Restricted Working Space, Add	*72.44*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2618		**Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts** *(23 21 13 23-2540)*		
23 21 13 23-2619	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.72	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2620	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	30.22	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2621	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	38.57	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2622	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	57.87	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2623	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	66.68	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2624	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	84.06	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2625	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	134.99	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2626	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	196.50	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2627	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	256.17	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2628		**Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2540)*		
23 21 13 23-2629	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	27.52	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2630	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	35.02	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2631	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	47.55	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2632	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	63.81	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2633	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	77.14	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2634	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	98.80	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2635	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	135.52	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2636	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	170.95	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2637	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	226.43	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2638		**Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2540)*		
23 21 13 23-2639	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.52	13.47
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-2640	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	34.84	17.83
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-2641	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	45.11	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2642	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	66.33	31.43
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-2643	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	76.71	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2644	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	108.57	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2645	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	164.82	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2646	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	204.52	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2647	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	281.81	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2648		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2540)*		
23 21 13 23-2649	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.87	13.47
		For Work In Restricted Working Space, Add	*6.03*	
		For Threaded Fittings, Add	*3.02*	
23 21 13 23-2650	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	34.58	17.83
		For Work In Restricted Working Space, Add	*8.05*	
		For Threaded Fittings, Add	*4.02*	
23 21 13 23-2651	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	41.27	22.20
		For Work In Restricted Working Space, Add	*9.98*	
		For Threaded Fittings, Add	*4.99*	
23 21 13 23-2652	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	59.36	31.43
		For Work In Restricted Working Space, Add	*14.12*	
		For Threaded Fittings, Add	*7.06*	
23 21 13 23-2653	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	66.33	35.41
		For Work In Restricted Working Space, Add	*15.92*	
		For Threaded Fittings, Add	*7.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2654	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	81.53	45.01
		For Work In Restricted Working Space, Add	*20.22*	
		For Threaded Fittings, Add	*10.11*	
23 21 13 23-2655	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	134.73	66.60
		For Work In Restricted Working Space, Add	*29.93*	
		For Threaded Fittings, Add	*14.96*	
23 21 13 23-2656	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	171.47	87.54
		For Work In Restricted Working Space, Add	*39.38*	
		For Threaded Fittings, Add	*19.69*	
23 21 13 23-2657	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	206.28	104.00
		For Work In Restricted Working Space, Add	*46.76*	
		For Threaded Fittings, Add	*23.38*	
23 21 13 23-2658	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	286.55	118.84
		For Work In Restricted Working Space, Add	*53.44*	
		For Threaded Fittings, Add	*26.72*	
23 21 13 23-2659	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	355.40	138.67
		For Work In Restricted Working Space, Add	*62.35*	
		For Threaded Fittings, Add	*31.17*	
23 21 13 23-2660	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	658.85	148.65
		For Work In Restricted Working Space, Add	*66.83*	
		For Threaded Fittings, Add	*33.42*	

23 21 13 23-2661 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2540)*

23 21 13 23-2662	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	46.16	22.20
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-2663	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	55.15	26.81
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-2664	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	70.08	35.41
		For Work In Restricted Working Space, Add	*15.92*	
23 21 13 23-2665	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	109.96	45.01
		For Work In Restricted Working Space, Add	*20.22*	
23 21 13 23-2666	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	135.23	53.62
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-2667	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	173.98	66.60
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-2668	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	269.46	87.54
		For Work In Restricted Working Space, Add	*39.38*	
23 21 13 23-2669	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	334.01	104.00
		For Work In Restricted Working Space, Add	*46.76*	
23 21 13 23-2670	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	423.52	138.67
		For Work In Restricted Working Space, Add	*62.35*	
23 21 13 23-2671	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	556.49	178.82
		For Work In Restricted Working Space, Add	*80.42*	
23 21 13 23-2672	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	808.22	221.72
		For Work In Restricted Working Space, Add	*99.71*	
23 21 13 23-2673	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,196.39	274.84
		For Work In Restricted Working Space, Add	*123.62*	

23 21 13 23-2674 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2540)*

23 21 13 23-2675	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	49.45	27.71
23 21 13 23-2676	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	59.05	32.05
23 21 13 23-2677	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	71.51	37.78
23 21 13 23-2678	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	95.61	45.01
23 21 13 23-2679	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	115.22	53.62
23 21 13 23-2680	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	152.85	66.60
23 21 13 23-2681	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	327.99	129.06
23 21 13 23-2682	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	355.68	143.15

23 21 13 23-2683 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2540)*

23 21 13 23-2684	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	17.16	5.99
		For Work In Restricted Working Space, Add	*2.72*	
		For Threaded Fittings, Add	*1.36*	
23 21 13 23-2685	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.62	7.98
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2686	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	30.14	9.85
		For Work In Restricted Working Space, Add	*4.49*	
		For Threaded Fittings, Add	*2.24*	
23 21 13 23-2687	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	39.50	13.97
		For Work In Restricted Working Space, Add	*6.35*	
		For Threaded Fittings, Add	*3.18*	
23 21 13 23-2688	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	42.20	15.71
		For Work In Restricted Working Space, Add	*7.16*	
		For Threaded Fittings, Add	*3.58*	
23 21 13 23-2689	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	57.79	20.08
		For Work In Restricted Working Space, Add	*9.10*	
		For Threaded Fittings, Add	*4.55*	
23 21 13 23-2690	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	101.32	29.68
		For Work In Restricted Working Space, Add	*13.47*	
		For Threaded Fittings, Add	*6.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2691	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	128.06	39.03
		For Work In Restricted Working Space, Add	*17.72*	
		For Threaded Fittings, Add	*8.86*	
23 21 13 23-2692	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	181.09	46.26
		For Work In Restricted Working Space, Add	*21.05*	
		For Threaded Fittings, Add	*10.52*	
23 21 13 23-2693	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	355.78	52.88
		For Work In Restricted Working Space, Add	*24.05*	
		For Threaded Fittings, Add	*12.03*	
23 21 13 23-2694	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	472.15	61.73
		For Work In Restricted Working Space, Add	*28.06*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2695	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	836.60	92.03
		For Work In Restricted Working Space, Add	*41.84*	
		For Threaded Fittings, Add	*20.92*	

23 21 13 23-2696 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2540)*

23 21 13 23-2697	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	58.28	22.20
		For Work In Restricted Working Space, Add	*9.98*	
		For Threaded Fittings, Add	*4.99*	
23 21 13 23-2698	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	67.09	26.81
		For Work In Restricted Working Space, Add	*12.07*	
		For Threaded Fittings, Add	*6.03*	
23 21 13 23-2699	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	82.99	35.41
		For Work In Restricted Working Space, Add	*15.92*	
		For Threaded Fittings, Add	*7.96*	
23 21 13 23-2700	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	98.19	45.01
		For Work In Restricted Working Space, Add	*20.22*	
		For Threaded Fittings, Add	*10.11*	
23 21 13 23-2701	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	111.95	53.62
		For Work In Restricted Working Space, Add	*24.14*	
		For Threaded Fittings, Add	*12.07*	
23 21 13 23-2702	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	141.63	66.60
		For Work In Restricted Working Space, Add	*29.93*	
		For Threaded Fittings, Add	*14.96*	
23 21 13 23-2703	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	195.89	87.54
		For Work In Restricted Working Space, Add	*39.38*	
		For Threaded Fittings, Add	*19.69*	
23 21 13 23-2704	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	227.22	104.00
		For Work In Restricted Working Space, Add	*46.76*	
		For Threaded Fittings, Add	*23.38*	
23 21 13 23-2705	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	298.19	138.67
		For Work In Restricted Working Space, Add	*62.35*	
		For Threaded Fittings, Add	*31.17*	
23 21 13 23-2706	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	410.14	178.82
		For Work In Restricted Working Space, Add	*80.42*	
		For Threaded Fittings, Add	*40.21*	
23 21 13 23-2707	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	652.88	221.72
		For Work In Restricted Working Space, Add	*99.71*	
		For Threaded Fittings, Add	*49.85*	
23 21 13 23-2708	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,134.47	274.84
		For Work In Restricted Working Space, Add	*123.62*	
		For Threaded Fittings, Add	*61.81*	

23 21 13 23-2709 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2377)*

Note: In place pipe.

23 21 13 23-2710	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.77	
		For Work In Restricted Working Space, Add	*2.03*	
23 21 13 23-2711	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.31	
		For Work In Restricted Working Space, Add	*2.19*	
23 21 13 23-2712	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.22	
		For Work In Restricted Working Space, Add	*2.47*	
23 21 13 23-2713	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.64	
		For Work In Restricted Working Space, Add	*2.59*	
23 21 13 23-2714	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.14	
		For Work In Restricted Working Space, Add	*2.74*	
23 21 13 23-2715	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.06	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-2716	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.84	
		For Work In Restricted Working Space, Add	*3.25*	
23 21 13 23-2717	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.79	
		For Work In Restricted Working Space, Add	*3.84*	
23 21 13 23-2718	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	17.26	
		For Work In Restricted Working Space, Add	*5.18*	
23 21 13 23-2719	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	24.68	
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-2720	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	32.91	
		For Work In Restricted Working Space, Add	*9.87*	
23 21 13 23-2721	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	40.22	
		For Work In Restricted Working Space, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2722		Polyethylene Pipe And Fittings *(23 21 13 23)*		
23 21 13 23-2723		Small Diameter Tubing *(23 21 13 23-2722)*		
23 21 13 23-2724		Tubing *(23 21 13 23-2723)*		
23 21 13 23-2725	LF	1/4" Polyethylene Tubing	3.99	
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2726	LF	5/16" Polyethylene Tubing	4.26	
		For Work In Restricted Working Space, Add	*1.15*	
23 21 13 23-2727	LF	3/8" Polyethylene Tubing	4.47	
		For Work In Restricted Working Space, Add	*1.17*	
23 21 13 23-2728	LF	1/2" Polyethylene Tubing	4.66	
		For Work In Restricted Working Space, Add	*1.27*	
23 21 13 23-2729		Chrome Plated Pipe *(23 21 13 23)*		
23 21 13 23-2730		Chrome Plated Nipples *(23 21 13 23-2729)*		
23 21 13 23-2731		Close *(23 21 13 23-2730)*		
23 21 13 23-2732	EA	1/4" Diameter Chrome Plated Nipple, Close	22.63	10.84
23 21 13 23-2733	EA	3/8" Diameter Chrome Plated Nipple, Close	22.14	11.78
23 21 13 23-2734	EA	1/2" Diameter Chrome Plated Nipple, Close	27.13	13.54
23 21 13 23-2735	EA	3/4" Diameter Chrome Plated Nipple, Close	35.39	17.20
23 21 13 23-2736	EA	1" Diameter Chrome Plated Nipple, Close	47.24	22.61
23 21 13 23-2737	EA	1-1/4" Diameter Chrome Plated Nipple, Close	66.77	31.55
23 21 13 23-2738	EA	1-1/2" Diameter Chrome Plated Nipple, Close	80.94	36.96
23 21 13 23-2739	EA	2" Diameter Chrome Plated Nipple, Close	103.73	46.03
23 21 13 23-2740		1-1/2" Nipples *(23 21 13 23-2730)*		
23 21 13 23-2741	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	24.07	11.24
23 21 13 23-2742	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	23.30	12.19
23 21 13 23-2743	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	27.85	13.94
23 21 13 23-2744	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	36.58	17.60
23 21 13 23-2745		2" Nipples *(23 21 13 23-2730)*		
23 21 13 23-2746	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	25.04	11.78
23 21 13 23-2747	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	24.11	12.59
23 21 13 23-2748	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	29.78	14.49
23 21 13 23-2749	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	38.25	18.01
23 21 13 23-2750	EA	1" Diameter, 2" Length, Chrome Plated Nipple	49.82	23.43
23 21 13 23-2751	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	70.80	32.50
23 21 13 23-2752	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	85.54	37.91
23 21 13 23-2753		2-1/2" Nipples *(23 21 13 23-2730)*		
23 21 13 23-2754	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	26.40	12.19
23 21 13 23-2755	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	24.98	13.14
23 21 13 23-2756	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	31.01	14.89
23 21 13 23-2757	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	39.18	18.55
23 21 13 23-2758	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	51.17	23.97
23 21 13 23-2759	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	74.52	32.91
23 21 13 23-2760	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	90.46	38.32
23 21 13 23-2761	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	114.58	47.40
23 21 13 23-2762		3" Nipples *(23 21 13 23-2730)*		
23 21 13 23-2763	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	27.48	12.59
23 21 13 23-2764	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	26.36	13.54
23 21 13 23-2765	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	30.51	14.49
23 21 13 23-2766	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	41.93	18.96
23 21 13 23-2767	EA	1" Diameter, 3" Length, Chrome Plated Nipple	56.62	24.37
23 21 13 23-2768	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	78.58	33.44
23 21 13 23-2769	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	101.84	38.86
23 21 13 23-2770	EA	2" Diameter, 3" Length, Chrome Plated Nipple	123.52	47.93
23 21 13 23-2771		3-1/2" Nipples *(23 21 13 23-2730)*		
23 21 13 23-2772	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	28.68	13.14
23 21 13 23-2773	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	28.59	13.94
23 21 13 23-2774	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	33.58	15.84
23 21 13 23-2775	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	45.94	19.36
23 21 13 23-2776	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	58.84	24.78
23 21 13 23-2777	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	86.38	33.86
23 21 13 23-2778	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	105.34	39.26
23 21 13 23-2779	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	130.68	48.34
23 21 13 23-2780		4" Nipples *(23 21 13 23-2730)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2781	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	29.88	13.54
23 21 13 23-2782	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	29.33	14.49
23 21 13 23-2783	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	33.68	15.30
23 21 13 23-2784	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	47.61	19.90
23 21 13 23-2785	EA	1" Diameter, 4" Length, Chrome Plated Nipple	60.94	25.32
23 21 13 23-2786	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	92.36	34.26
23 21 13 23-2787	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	112.42	39.68
23 21 13 23-2788	EA	2" Diameter, 4" Length, Chrome Plated Nipple	139.37	48.75
23 21 13 23-2789		**4-1/2" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2790	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	30.97	13.94
23 21 13 23-2791	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	31.57	14.89
23 21 13 23-2792	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	36.89	16.66
23 21 13 23-2793	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	49.51	20.31
23 21 13 23-2794	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	67.83	25.73
23 21 13 23-2795	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	98.10	34.80
23 21 13 23-2796	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	115.64	40.21
23 21 13 23-2797	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	147.37	49.29
23 21 13 23-2798		**5" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2799	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	34.32	14.49
23 21 13 23-2800	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	33.02	15.30
23 21 13 23-2801	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	38.17	17.20
23 21 13 23-2802	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	51.34	20.72
23 21 13 23-2803	EA	1" Diameter, 5" Length, Chrome Plated Nipple	72.08	26.13
23 21 13 23-2804	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	103.34	35.21
23 21 13 23-2805	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	122.73	40.63
23 21 13 23-2806	EA	2" Diameter, 5" Length, Chrome Plated Nipple	152.59	49.70
23 21 13 23-2807		**5-1/2" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2808	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	35.43	14.89
23 21 13 23-2809	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	34.18	15.84
23 21 13 23-2810	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	41.51	17.60
23 21 13 23-2811	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	53.16	21.26
23 21 13 23-2812	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	74.39	26.67
23 21 13 23-2813	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	109.64	35.61
23 21 13 23-2814	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	128.41	41.03
23 21 13 23-2815	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	159.22	50.10
23 21 13 23-2816		**6" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2817	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	36.72	15.30
23 21 13 23-2818	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	34.91	16.25
23 21 13 23-2819	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	42.70	18.01
23 21 13 23-2820	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	54.67	21.67
23 21 13 23-2821	EA	1" Diameter, 6" Length, Chrome Plated Nipple	81.08	27.08
23 21 13 23-2822	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	113.58	36.16
23 21 13 23-2823	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	137.08	41.57
23 21 13 23-2824	EA	2" Diameter, 6" Length, Chrome Plated Nipple	165.29	50.64
23 21 13 23-2825		**8" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2826	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	41.01	17.20
23 21 13 23-2827	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	58.80	18.96
23 21 13 23-2828	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	71.35	22.61
23 21 13 23-2829	EA	1" Diameter, 8" Length, Chrome Plated Nipple	94.27	28.03
23 21 13 23-2830	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	134.35	36.96
23 21 13 23-2831	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	164.17	42.38
23 21 13 23-2832	EA	2" Diameter, 8" Length, Chrome Plated Nipple	202.04	51.45
23 21 13 23-2833		**10" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2834	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	46.57	17.20
23 21 13 23-2835	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	65.80	18.96
23 21 13 23-2836	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	79.46	22.61
23 21 13 23-2837	EA	1" Diameter, 10" Length, Chrome Plated Nipple	106.53	28.03
23 21 13 23-2838	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	160.60	36.96
23 21 13 23-2839	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	184.17	42.38
23 21 13 23-2840	EA	2" Diameter, 10" Length, Chrome Plated Nipple	234.01	51.45
23 21 13 23-2841		**12" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2842	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	51.90	18.96
23 21 13 23-2843	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	68.87	19.90
23 21 13 23-2844	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	87.35	23.43
23 21 13 23-2845	EA	1" Diameter, 12" Length, Chrome Plated Nipple	124.19	29.79
23 21 13 23-2846	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	179.43	38.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2847	EA	2" Diameter, 12" Length, Chrome Plated Nipple	262.34	53.35
23 21 13 23-2848		**18" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2849	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	64.98	19.90
23 21 13 23-2850		**24" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2851	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	77.49	20.72
23 21 13 23-2852		**30" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2853	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	85.58	21.67
23 21 13 23-2854		**36" Nipples** *(23 21 13 23-2730)*		
23 21 13 23-2855	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	93.67	22.61
23 21 13 23-2856		**Chrome Plated Fittings** *(23 21 13 23-2729)*		
23 21 13 23-2857		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2856)*		
23 21 13 23-2858	EA	1/4" 90 Degree Elbow, Chrome Plated	28.30	12.59
23 21 13 23-2859	EA	3/8" 90 Degree Elbow, Chrome Plated	29.05	13.54
23 21 13 23-2860	EA	1/2" 90 Degree Elbow, Chrome Plated	32.46	14.49
23 21 13 23-2861	EA	3/4" 90 Degree Elbow, Chrome Plated	41.59	18.96
23 21 13 23-2862	EA	1" 90 Degree Elbow, Chrome Plated	56.09	24.37
23 21 13 23-2863	EA	1-1/4" 90 Degree Elbow, Chrome Plated	85.10	33.44
23 21 13 23-2864	EA	1-1/2" 90 Degree Elbow, Chrome Plated	101.85	38.86
23 21 13 23-2865	EA	2" 90 Degree Elbow, Chrome Plated	137.94	47.93
23 21 13 23-2866		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2856)*		
23 21 13 23-2867	EA	1/4" Street 90 Degree Elbow, Chrome Plated	32.22	12.59
23 21 13 23-2868	EA	3/8" Street 90 Degree Elbow, Chrome Plated	33.35	13.54
23 21 13 23-2869	EA	1/2" Street 90 Degree Elbow, Chrome Plated	35.45	14.49
23 21 13 23-2870	EA	3/4" Street 90 Degree Elbow, Chrome Plated	45.99	18.96
23 21 13 23-2871	EA	1" Street 90 Degree Elbow, Chrome Plated	64.21	24.37
23 21 13 23-2872	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	93.43	33.44
23 21 13 23-2873	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	113.52	38.86
23 21 13 23-2874	EA	2" Street 90 Degree Elbow, Chrome Plated	165.39	47.93
23 21 13 23-2875		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2856)*		
23 21 13 23-2876	EA	1/4" 45 Degree Elbow, Chrome Plated	29.17	12.59
23 21 13 23-2877	EA	3/8" 45 Degree Elbow, Chrome Plated	30.29	13.54
23 21 13 23-2878	EA	1/2" 45 Degree Elbow, Chrome Plated	33.35	14.49
23 21 13 23-2879	EA	3/4" 45 Degree Elbow, Chrome Plated	44.94	18.96
23 21 13 23-2880	EA	1" 45 Degree Elbow, Chrome Plated	59.85	24.37
23 21 13 23-2881	EA	1-1/4" 45 Degree Elbow, Chrome Plated	89.63	33.44
23 21 13 23-2882	EA	1-1/2" 45 Degree Elbow, Chrome Plated	107.90	38.86
23 21 13 23-2883	EA	2" 45 Degree Elbow, Chrome Plated	154.55	47.93
23 21 13 23-2884		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2856)*		
23 21 13 23-2885	EA	1/2" Street 45 Degree Elbow, Chrome Plated	38.73	14.49
23 21 13 23-2886		**Chrome Plated Couplings** *(23 21 13 23-2856)*		
23 21 13 23-2887	EA	1/4" Coupling, Chrome Plated	27.77	12.59
23 21 13 23-2888	EA	3/8" Coupling, Chrome Plated	29.12	13.54
23 21 13 23-2889	EA	1/2" Coupling, Chrome Plated	32.68	14.49
23 21 13 23-2890	EA	3/4" Coupling, Chrome Plated	41.67	18.96
23 21 13 23-2891	EA	1" Coupling, Chrome Plated	54.23	24.37
23 21 13 23-2892	EA	1-1/4" Coupling, Chrome Plated	78.34	33.44
23 21 13 23-2893	EA	1-1/2" Coupling, Chrome Plated	96.19	38.86
23 21 13 23-2894	EA	2" Coupling, Chrome Plated	131.01	47.93
23 21 13 23-2895		**Chrome Plated Unions** *(23 21 13 23-2856)*		
23 21 13 23-2896	EA	1/4" Union, Chrome Plated	42.93	14.49
23 21 13 23-2897	EA	3/8" Union, Chrome Plated	44.32	15.30
23 21 13 23-2898	EA	1/2" Union, Chrome Plated	53.18	17.20
23 21 13 23-2899	EA	3/4" Union, Chrome Plated	66.30	22.61
23 21 13 23-2900	EA	1" Union, Chrome Plated	83.95	28.84
23 21 13 23-2901	EA	1-1/4" Union, Chrome Plated	133.88	38.86
23 21 13 23-2902	EA	1-1/2" Union, Chrome Plated	166.05	46.03
23 21 13 23-2903	EA	2" Union, Chrome Plated	215.53	56.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2904		**Chrome Plated Caps** *(23 21 13 23-2856)*		
23 21 13 23-2905	EA	1/4" Cap, Chrome Plated	18.06	6.37
23 21 13 23-2906	EA	3/8" Cap, Chrome Plated	18.74	6.77
23 21 13 23-2907	EA	1/2" Cap, Chrome Plated	21.27	7.17
23 21 13 23-2908	EA	3/4" Cap, Chrome Plated	26.65	9.48
23 21 13 23-2909	EA	1" Cap, Chrome Plated	31.93	12.19
23 21 13 23-2910	EA	1-1/4" Cap, Chrome Plated	46.78	16.66
23 21 13 23-2911	EA	1-1/2" Cap, Chrome Plated	60.91	19.36
23 21 13 23-2912	EA	2" Cap, Chrome Plated	88.19	25.32
23 21 13 23-2913		**Chrome Plated Plugs** *(23 21 13 23-2856)*		
23 21 13 23-2914	EA	1/4" Plug, Chrome Plated	15.07	6.37
23 21 13 23-2915	EA	3/8" Plug, Chrome Plated	15.75	6.77
23 21 13 23-2916	EA	1/2" Plug, Chrome Plated	18.12	7.17
23 21 13 23-2917	EA	3/4" Plug, Chrome Plated	24.42	9.48
23 21 13 23-2918	EA	1" Plug, Chrome Plated	30.22	12.19
23 21 13 23-2919	EA	1-1/4" Plug, Chrome Plated	40.89	16.66
23 21 13 23-2920	EA	1-1/2" Plug, Chrome Plated	50.13	19.36
23 21 13 23-2921	EA	2" Plug, Chrome Plated	69.44	25.32
23 21 13 23-2922		**Chrome Plated Tees** *(23 21 13 23-2856)*		
23 21 13 23-2923	EA	1/4" Chrome Plated Tee	39.70	18.96
23 21 13 23-2924	EA	3/8" Chrome Plated Tee	42.41	20.72
23 21 13 23-2925	EA	1/2" Chrome Plated Tee	47.11	22.61
23 21 13 23-2926	EA	3/4" Chrome Plated Tee	58.64	28.03
23 21 13 23-2927	EA	1" Chrome Plated Tee	82.36	36.16
23 21 13 23-2928	EA	1-1/4" Chrome Plated Tee	113.51	49.70
23 21 13 23-2929	EA	1-1/2" Chrome Plated Tee	143.71	57.82
23 21 13 23-2930	EA	2" Chrome Plated Tee	194.95	71.36
23 21 13 23-2931		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2856)*		
23 21 13 23-2932	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	45.12	22.61
23 21 13 23-2933	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	53.25	28.03
23 21 13 23-2934		**Chrome Plated Bell Reducers** *(23 21 13 23-2856)*		
23 21 13 23-2935	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	48.74	22.61
23 21 13 23-2936	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	59.46	28.03
23 21 13 23-2937	EA	1" x 1/2" Bell Reducer, Chrome Plated	75.71	36.16
23 21 13 23-2938		**Chrome Plated Reducing Tees** *(23 21 13 23-2856)*		
23 21 13 23-2939	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	64.04	28.03
23 21 13 23-2940		**Chrome Plated Bushings** *(23 21 13 23-2856)*		
23 21 13 23-2941	EA	3/8" x 1/4" Bushing, Chrome Plated	14.98	6.37
23 21 13 23-2942	EA	1/2" x 1/4" Bushing, Chrome Plated	16.13	6.77
23 21 13 23-2943	EA	1/2" x 3/8" Bushing, Chrome Plated	16.82	7.17
23 21 13 23-2944	EA	3/4" x 1/2" Bushing, Chrome Plated	21.45	9.48
23 21 13 23-2945	EA	1" x 3/4" Bushing, Chrome Plated	30.80	12.19
23 21 13 23-2946	EA	1-1/4" x 1" Bushing, Chrome Plated	44.76	16.66
23 21 13 23-2947		**Aluminum Tubing Assemblies** *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2948	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.05	4.74
23 21 13 23-2949	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	14.85	5.42
23 21 13 23-2950	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.49	6.09
23 21 13 23-2951	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.93	6.77
23 21 13 23-2952	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.93	7.45
23 21 13 23-2953	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	23.27	8.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2954	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	27.36	9.35
23 21 13 23-2955	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	34.48	10.60
23 21 13 23-2956	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	40.33	11.85
23 21 13 23-2957	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	49.87	12.47

23 21 16 Hydronic Piping Specialties *(23 21)*

23 21 16 00-0001 Vent Valves *(23 21 16)*

23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	90.12	20.32
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	214.70	21.85
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	204.78	21.85
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	211.72	21.85
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	272.48	21.85
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	202.05	21.85

23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow *(23 21 16)*

23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*

23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	286.27	34.15
		For Flanged Inlet, Add	*102.67*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	325.29	40.48
		For Flanged Inlet, Add	*110.22*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	407.46	46.80
		For Flanged Inlet, Add	*148.70*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	599.12	53.12
		For Flanged Inlet, Add	*261.62*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	678.29	63.25
		For Flanged Inlet, Add	*289.22*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	937.76	79.68
		For Flanged Inlet, Add	*422.65*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,075.54	104.98
		For Flanged Inlet, Add	*1,124.67*	

23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*

23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	713.37	34.15
		For Flanged Inlet, Add	*393.10*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	863.68	40.48
		For Flanged Inlet, Add	*476.33*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,232.73	46.80
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,258.33	53.12
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,810.56	63.25
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,873.81	79.68
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,096.39	104.98
		For Flanged Inlet, Add	*1,818.84*	

23 21 16 00-0025 Y-Type Strainers *(23 21 16)*

23 21 16 00-0026 Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	88.96	15.17
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*13.01*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	89.64	15.44
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*13.21*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	114.04	20.86
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*17.88*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	144.69	24.93
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*21.34*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	188.83	30.83
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*26.42*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	216.20	33.19
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*28.45*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	295.23	37.93
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*32.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	555.50	47.42
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*40.64*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	718.08	59.34
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*50.80*	

23 21 16 00-0036 Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0037	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	525.74	142.25
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*53.48*	
23 21 16 00-0038	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	601.82	180.60
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0039	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,184.66	230.31
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0040	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,501.10	386.12
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0041	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,623.72	389.13
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*145.70*	
23 21 16 00-0042	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,955.80	432.36
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0043	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,470.03	552.47
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0044	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,045.16	672.56
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*252.21*	
23 21 16 00-0045	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,652.27	600.51
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*360.30*	

23 21 16 00-0046 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0047	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	79.76	15.44
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*13.21*	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	106.05	20.86
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*17.88*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	129.63	24.93
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*21.34*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	175.95	30.83
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*26.42*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	208.98	33.19
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*28.45*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	278.36	37.93
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*32.52*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	390.48	47.42
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*40.64*	
23 21 16 00-0054	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	698.05	59.34
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*50.80*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,206.62	71.13
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*60.97*	

23 21 16 00-0056 Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With bolted cap.

23 21 16 00-0057	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	669.61	180.60
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	698.51	196.44
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0059	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	806.03	230.31
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0060	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,741.98	386.12
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*145.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0061	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,449.49	432.36
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0062	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,940.92	552.47
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0063	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,522.02	672.56
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*252.21*	
23 21 16 00-0064		**Cast Iron Body, Suction Diffusers** *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	573.07	53.38
		For Work In Restricted Working Space, Add	*26.13*	
23 21 16 00-0066	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	602.17	59.20
		For Work In Restricted Working Space, Add	*29.03*	
23 21 16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	611.91	62.19
		For Work In Restricted Working Space, Add	*30.50*	
23 21 16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,159.94	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	633.18	72.34
		For Work In Restricted Working Space, Add	*35.42*	
23 21 16 00-0070	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	715.80	72.34
		For Work In Restricted Working Space, Add	*35.42*	
23 21 16 00-0071	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,214.91	213.83
		For Work In Restricted Working Space, Add	*80.18*	
23 21 16 00-0072	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,240.74	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0073	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,508.63	308.84
		For Work In Restricted Working Space, Add	*115.82*	
23 21 16 00-0074	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,776.51	386.12
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0075	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,031.03	388.53
		For Work In Restricted Working Space, Add	*145.70*	
23 21 16 00-0076	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,452.22	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0077	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,775.94	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0078	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,277.56	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0079	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,888.78	672.56
		For Work In Restricted Working Space, Add	*252.21*	
23 21 16 00-0080	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,710.06	672.56
		For Work In Restricted Working Space, Add	*252.21*	
23 21 16 00-0081		**Duplex Strainers** *(23 21 16)*		
23 21 16 00-0082		**Iron Body, Duplex Strainers** *(23 21 16 00-0081)*		
23 21 16 00-0083		**Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers** *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	978.53	33.73
		For Work In Restricted Working Space, Add	*20.25*	
23 21 16 00-0085	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,092.69	38.61
		For Work In Restricted Working Space, Add	*23.18*	
23 21 16 00-0086	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,480.98	45.38
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0087	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,864.01	49.45
		For Work In Restricted Working Space, Add	*29.67*	
23 21 16 00-0088	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,498.16	60.29
		For Work In Restricted Working Space, Add	*36.29*	
23 21 16 00-0089	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,143.69	77.23
		For Work In Restricted Working Space, Add	*46.32*	
23 21 16 00-0090		**Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers** *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,404.89	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0092	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,520.32	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0093	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,511.22	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0094	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,071.81	342.29
		For Work In Restricted Working Space, Add	*128.68*	
23 21 16 00-0095	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,828.14	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0096	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,308.82	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0097	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,332.65	672.56
		For Work In Restricted Working Space, Add	*252.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0098	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,174.01	847.91
		For Work In Restricted Working Space, Add	*508.90*	
23 21 16 00-0099	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	49,029.73	960.80
		For Work In Restricted Working Space, Add	*360.30*	
23 21 16 00-0100	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,296.79	1,056.88
		For Work In Restricted Working Space, Add	*396.33*	

23 21 16 00-0101 Bronze Body, Duplex Strainers *(23 21 16 00-0081)*

23 21 16 00-0102 Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0101)*

Note: With brass or stainless steel basket.

23 21 16 00-0103	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,823.13	33.87
		For Work In Restricted Working Space, Add	*20.25*	
23 21 16 00-0104	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,022.69	38.61
		For Work In Restricted Working Space, Add	*23.18*	
23 21 16 00-0105	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,961.39	45.38
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0106	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,894.83	49.45
		For Work In Restricted Working Space, Add	*29.67*	
23 21 16 00-0107	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,031.94	60.29
		For Work In Restricted Working Space, Add	*36.29*	
23 21 16 00-0108	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,180.44	77.23
		For Work In Restricted Working Space, Add	*46.32*	

23 21 16 00-0109 Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0101)*

Note: With brass or stainless steel basket.

23 21 16 00-0110	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,058.47	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0111	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,268.80	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0112	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,967.87	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0113	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,707.55	342.29
		For Work In Restricted Working Space, Add	*128.68*	
23 21 16 00-0114	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,136.36	432.36
		For Work In Restricted Working Space, Add	*162.71*	

23 21 16 00-0115 Cast Steel Body, Duplex Strainers *(23 21 16 00-0081)*

23 21 16 00-0116 Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*

Note: With brass or stainless steel basket.

23 21 16 00-0117	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,840.50	38.61
		For Work In Restricted Working Space, Add	*23.19*	
23 21 16 00-0118	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,498.66	45.38
		For Work In Restricted Working Space, Add	*27.21*	
23 21 16 00-0119	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,151.63	49.45
		For Work In Restricted Working Space, Add	*29.68*	
23 21 16 00-0120	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,028.99	60.29
		For Work In Restricted Working Space, Add	*36.29*	

23 21 16 00-0121 Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*

Note: With brass or stainless steel basket.

23 21 16 00-0122	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,179.89	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0123	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,891.22	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0124	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,373.98	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0125	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,212.12	342.29
		For Work In Restricted Working Space, Add	*128.68*	
23 21 16 00-0126	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,963.95	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0127	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,608.35	552.47
		For Work In Restricted Working Space, Add	*205.89*	

23 21 16 00-0128 Stainless Steel Body, Duplex Strainers *(23 21 16 00-0081)*

23 21 16 00-0129 Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*

Note: With stainless steel basket.

23 21 16 00-0130	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,501.18	38.61
		For Work In Restricted Working Space, Add	*23.19*	
23 21 16 00-0131	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,215.73	45.38
		For Work In Restricted Working Space, Add	*27.21*	
23 21 16 00-0132	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,913.19	49.45
		For Work In Restricted Working Space, Add	*29.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0133	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,883.28	60.29
		For Work In Restricted Working Space, Add	*36.29*	
23 21 16 00-0134		**Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0135	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,642.40	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0136	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,495.66	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0137	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,411.33	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0138	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,500.05	342.29
		For Work In Restricted Working Space, Add	*128.68*	
23 21 16 00-0139	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,833.21	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0140	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,702.76	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0141		**Pressure Regulating Valve** *(23 21 16)*		
23 21 16 00-0142		**Screwed Ends, Iron Body, Water Pressure Reducing Valves** *(23 21 16 00-0141)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lb. rating		
23 21 16 00-0143	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	245.71	16.93
		For Work In Restricted Working Space, Add	*20.31*	
23 21 16 00-0144	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	302.11	18.96
		For Work In Restricted Working Space, Add	*22.57*	
23 21 16 00-0145	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	395.97	20.31
		For Work In Restricted Working Space, Add	*23.90*	
23 21 16 00-0146	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	674.97	22.75
		For Work In Restricted Working Space, Add	*27.08*	
23 21 16 00-0147	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	914.91	27.08
		For Work In Restricted Working Space, Add	*32.50*	
23 21 16 00-0148	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,312.05	41.53
		For Work In Restricted Working Space, Add	*49.88*	
23 21 16 00-0149	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,427.80	46.76
		For Work In Restricted Working Space, Add	*56.12*	
23 21 16 00-0150	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,569.05	135.30
		For Work In Restricted Working Space, Add	*62.35*	
23 21 16 00-0151		**Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0141)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152		**Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0151)*		
23 21 16 00-0153	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	411.51	22.76
		For Work In Restricted Working Space, Add	*27.28*	
23 21 16 00-0154	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	516.86	32.24
		For Work In Restricted Working Space, Add	*38.71*	
23 21 16 00-0155	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	663.51	39.28
		For Work In Restricted Working Space, Add	*47.26*	
23 21 16 00-0156	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	884.99	47.69
		For Work In Restricted Working Space, Add	*54.92*	
23 21 16 00-0157	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,184.22	54.19
		For Work In Restricted Working Space, Add	*62.53*	
23 21 16 00-0158	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,386.01	75.89
		For Work In Restricted Working Space, Add	*75.89*	
23 21 16 00-0159		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0151)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,158.86	183.40
		For Work In Restricted Working Space, Add	*68.99*	
23 21 16 00-0161	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,926.11	215.02
		For Work In Restricted Working Space, Add	*80.74*	
23 21 16 00-0162	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,060.85	360.48
		For Work In Restricted Working Space, Add	*135.52*	
23 21 16 00-0163	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,531.27	420.20
		For Work In Restricted Working Space, Add	*158.14*	
23 21 16 00-0164		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0141)*		
23 21 16 00-0165		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0164)*		
23 21 16 00-0166	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,280.55	16.52
		For Work In Restricted Working Space, Add	*24.79*	
23 21 16 00-0167	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,328.22	16.52
		For Work In Restricted Working Space, Add	*24.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0168	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,482.30	20.86
		For Work In Restricted Working Space, Add	*31.30*	
23 21 16 00-0169	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,918.56	26.56
		For Work In Restricted Working Space, Add	*39.83*	
23 21 16 00-0170	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,341.39	30.61
		For Work In Restricted Working Space, Add	*45.93*	
23 21 16 00-0171	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,141.73	36.03
		For Work In Restricted Working Space, Add	*54.06*	
23 21 16 00-0172		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0164)*		
23 21 16 00-0173	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,118.34	183.40
		For Work In Restricted Working Space, Add	*68.99*	
23 21 16 00-0174	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,312.06	215.02
		For Work In Restricted Working Space, Add	*80.74*	
23 21 16 00-0175	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,566.45	360.48
		For Work In Restricted Working Space, Add	*135.52*	
23 21 16 00-0176	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,975.67	420.20
		For Work In Restricted Working Space, Add	*158.14*	
23 21 16 00-0177		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0141)*		
23 21 16 00-0178	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	274.98	17.60
23 21 16 00-0179	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	339.42	19.50
23 21 16 00-0180	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	447.98	20.72
23 21 16 00-0181	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	771.11	23.56
23 21 16 00-0182	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,047.49	28.17
23 21 16 00-0183	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,500.45	43.15
23 21 16 00-0184	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,625.57	47.01
23 21 16 00-0185	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,792.87	54.12
23 21 16 00-0186		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0141)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	225.79	16.93
23 21 16 00-0188	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	248.15	18.96
23 21 16 00-0189	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	308.21	20.98
23 21 16 00-0190	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	729.50	22.75
23 21 16 00-0191	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	790.79	27.08
23 21 16 00-0192	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,242.62	41.53
23 21 16 00-0193		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0194	EA	1/2" Dual Unit Reducing And Relief Valve	254.98	41.32
23 21 16 00-0195		**Safety Relief Valve** *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0195)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0197	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	95.06	16.93
23 21 16 00-0198	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	132.09	18.62
23 21 16 00-0199	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	191.15	22.68
23 21 16 00-0200	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	247.59	24.03
23 21 16 00-0201	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	341.00	32.16
23 21 16 00-0202	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	457.86	37.91
23 21 16 00-0203	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	518.82	47.40
23 21 16 00-0204		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	107.07	34.53
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	138.26	41.43
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	202.65	55.24
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	335.55	59.17
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	565.16	66.35
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	653.37	95.40
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0211		**Horizontal Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank	822.92	135.48
23 21 16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank	1,166.65	169.34
23 21 16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank	1,531.10	203.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank	1,762.09	237.08
23 21 16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank	2,031.05	240.21
23 21 16 00-0217		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,619.80	101.60
23 21 16 00-0219	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,694.82	118.54
23 21 16 00-0220	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,515.69	135.48
23 21 16 00-0221	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,622.20	152.42
23 21 16 00-0222	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,544.77	169.34
23 21 16 00-0223	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,740.87	186.28
23 21 16 00-0224	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,443.07	203.22
23 21 16 00-0225	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,755.41	220.15
23 21 16 00-0226	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,239.68	237.08
23 21 16 00-0227	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,394.60	270.96
23 21 16 00-0228	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,757.84	304.82
23 21 16 00-0229	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,745.75	338.70
23 21 16 00-0230	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,995.12	406.43
23 21 16 00-0231		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0232	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,842.58	101.60
23 21 16 00-0233	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,905.49	118.54
23 21 16 00-0234	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,719.10	135.48
23 21 16 00-0235	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,905.51	152.42
23 21 16 00-0236	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,687.63	169.34
23 21 16 00-0237	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,881.31	186.28
23 21 16 00-0238	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,726.39	203.22
23 21 16 00-0239	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,108.95	220.15
23 21 16 00-0240	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,648.92	237.08
23 21 16 00-0241	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,796.57	270.96
23 21 16 00-0242	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,123.49	304.82
23 21 16 00-0243	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,261.53	338.70
23 21 16 00-0244	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,520.58	406.43
23 21 16 00-0245		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0246	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	111.69	12.47
23 21 16 00-0247	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	159.52	12.47
23 21 16 00-0248		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0249	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,358.01	406.57
23 21 16 00-0250	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,413.44	406.57
23 21 16 00-0251	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,468.86	406.57
23 21 16 00-0252	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,612.95	406.57
23 21 16 00-0253	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,933.29	541.78
23 21 16 00-0254	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,265.13	542.04
23 21 16 00-0255	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,330.96	542.04
23 21 16 00-0256	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,396.80	542.04
23 21 16 00-0257	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	3,048.42	677.39
23 21 16 00-0258	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,630.07	677.39
23 21 16 00-0259	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,971.20	812.60
23 21 16 00-0260		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,657.41	238.44
		For Galvanized Steel Tanks, Add	*648.07*	
23 21 16 00-0262	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,687.79	245.22
		For Galvanized Steel Tanks, Add	*657.62*	
23 21 16 00-0263	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,852.47	253.34
		For Galvanized Steel Tanks, Add	*733.86*	
23 21 16 00-0264	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	2,038.90	262.83
		For Galvanized Steel Tanks, Add	*819.62*	
23 21 16 00-0265	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,402.32	277.73
		For Galvanized Steel Tanks, Add	*991.17*	
23 21 16 00-0266	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,495.61	288.57
		For Galvanized Steel Tanks, Add	*1,029.29*	
23 21 16 00-0267	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	3,124.86	314.31
		For Galvanized Steel Tanks, Add	*1,324.75*	
23 21 16 00-0268	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,408.48	337.34
		For Galvanized Steel Tanks, Add	*1,448.62*	
23 21 16 00-0269	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,272.66	380.70
		For Galvanized Steel Tanks, Add	*1,848.08*	
23 21 16 00-0270	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,464.24	436.24
		For Galvanized Steel Tanks, Add	*2,401.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0271	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,576.88	483.65
		For Galvanized Steel Tanks, Add	*2,922.29*	
23 21 16 00-0272	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	7,194.27	525.65
		For Galvanized Steel Tanks, Add	*3,198.67*	
23 21 16 00-0273	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	9,158.41	577.14
		For Galvanized Steel Tanks, Add	*4,142.18*	
23 21 16 00-0274	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	9,431.72	616.42
		For Galvanized Steel Tanks, Add	*4,248.70*	
23 21 16 00-0275	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	12,260.16	662.48
		For Galvanized Steel Tanks, Add	*5,628.31*	
23 21 16 00-0276	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	20,680.79	777.64
		For Galvanized Steel Tanks, Add	*9,751.36*	

23 21 16 00-0277 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0278	EA	9" To 24" Diameter Compression Tank Air Fittings	251.46	37.93
23 21 16 00-0279	EA	>100 Gallon Compression Tank Air Fittings	805.65	44.71

23 21 16 00-0280 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0281	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	102.85	21.85
23 21 16 00-0282	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	125.29	29.45
23 21 16 00-0283	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	166.65	35.66
23 21 16 00-0284	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	258.08	45.17
23 21 16 00-0285	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	102.85	21.85
23 21 16 00-0286	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	125.29	29.45
23 21 16 00-0287	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	166.65	35.66
23 21 16 00-0288	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	258.08	45.17
23 21 16 00-0289	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	104.84	16.94
23 21 16 00-0290	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	176.16	23.71

23 21 16 00-0291 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0292	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	162.94	
23 21 16 00-0293	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	203.50	
23 21 16 00-0294	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	205.95	
23 21 16 00-0295	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	234.24	
23 21 16 00-0296	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	551.36	

23 21 16 00-0297 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,101.31	288.57
		For 300 PSIG, Add	*249.64*	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,609.20	330.57
		For 300 PSIG, Add	*316.11*	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	4,055.46	388.82
		For 300 PSIG, Add	*519.96*	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,336.56	411.80
		For 300 PSIG, Add	*556.89*	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,588.41	549.07
		For 300 PSIG, Add	*713.47*	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	7,065.16	653.35
		For 300 PSIG, Add	*911.41*	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,398.46	739.82
		For 300 PSIG, Add	*1,091.63*	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	12,158.01	887.55
		For 300 PSIG, Add	*1,621.93*	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,880.37	1,008.84
		For 300 PSIG, Add	*2,602.77*	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,493.46	1,305.49
		For 300 PSIG, Add	*3,527.30*	
23 21 16 00-0308	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	53,634.86	1,585.32
		For 300 PSIG, Add	*7,684.93*	
23 21 16 00-0309	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	66,239.65	1,902.40
		For 300 PSIG, Add	*9,503.59*	
23 21 16 00-0310	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	86,547.83	2,219.46
		For 300 PSIG, Add	*12,477.75*	
23 21 16 00-0311	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	101,292.23	2,536.52
		For 300 PSIG, Add	*14,617.35*	

23 21 16 00-0312 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0313	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,776.33	288.57
		For 300 PSIG, Add	*200.90*	
23 21 16 00-0314	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,254.68	330.57
		For 300 PSIG, Add	*262.94*	
23 21 16 00-0315	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,966.83	388.82
		For 300 PSIG, Add	*506.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0316	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,558.58	411.80
		For 300 PSIG, Add	*440.20*	
23 21 16 00-0317	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,771.04	549.07
		For 300 PSIG, Add	*590.87*	
23 21 16 00-0318	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,208.40	653.35
		For 300 PSIG, Add	*782.90*	
23 21 16 00-0319	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,236.42	739.82
		For 300 PSIG, Add	*917.32*	
23 21 16 00-0320	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,676.37	887.55
		For 300 PSIG, Add	*1,249.69*	
23 21 16 00-0321	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,572.41	1,008.84
		For 300 PSIG, Add	*1,806.58*	
23 21 16 00-0322	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	21,033.62	1,305.49
		For 300 PSIG, Add	*2,858.32*	
23 21 16 00-0323	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	36,108.79	1,585.32
		For 300 PSIG, Add	*5,056.02*	
23 21 16 00-0324	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	45,795.95	1,902.40
		For 300 PSIG, Add	*6,437.03*	
23 21 16 00-0325	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	61,383.23	2,219.46
		For 300 PSIG, Add	*8,703.06*	
23 21 16 00-0326	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	84,179.49	2,536.52
		For 300 PSIG, Add	*12,050.44*	
23 21 16 00-0327	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	103,205.11	2,853.58
		For 300 PSIG, Add	*14,832.22*	
23 21 16 00-0328	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	122,230.72	3,170.66
		For 300 PSIG, Add	*17,614.01*	

23 21 16 00-0329 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0330	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,817.86	329.44
23 21 16 00-0331	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,421.62	438.98
23 21 16 00-0332	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,867.32	522.19
23 21 16 00-0333	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,174.19	591.86
23 21 16 00-0334	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,869.29	710.22
23 21 16 00-0335	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	19,342.77	807.07
23 21 16 00-0336	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	29,535.11	1,044.52

23 21 16 00-0337 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0338	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	3,010.34	329.44
23 21 16 00-0339	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,604.25	438.98
23 21 16 00-0340	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	6,010.56	522.19
23 21 16 00-0341	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	7,012.15	591.86
23 21 16 00-0342	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,407.34	710.22
23 21 16 00-0343	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,956.03	807.07
23 21 16 00-0344	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	23,322.97	1,044.52

23 21 16 00-0345 Removable Head, Air Eliminator And Dirt Separator *(23 21 16)*

Note: Spirovent VDN.

23 21 16 00-0346	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,684.02	288.57
23 21 16 00-0347	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,995.02	330.57
23 21 16 00-0348	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,317.49	388.82
23 21 16 00-0349	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,125.47	596.11
23 21 16 00-0350	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,906.13	737.00
23 21 16 00-0351	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,426.27	834.54
23 21 16 00-0352	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,748.39	188.32
23 21 16 00-0353	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	26,098.84	1,138.02
23 21 16 00-0354	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,733.18	1,472.65

23 21 16 00-0355 Swivel Joints *(23 21 16)*

23 21 16 00-0356 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0357	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	391.06	35.63
23 21 16 00-0358	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	562.05	52.15
23 21 16 00-0359	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	786.29	60.97
23 21 16 00-0360	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,174.61	104.32
23 21 16 00-0361	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,487.23	118.54
		For Stainless Steel, Add	*1,875.23*	
23 21 16 00-0362	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,099.51	180.60
		For Stainless Steel, Add	*1,310.57*	
23 21 16 00-0363	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,484.58	144.08
23 21 16 00-0364	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,898.75	386.12
23 21 16 00-0365	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,503.10	487.72

23 21 16 00-0366 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0367	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	496.23	35.63
		For Stainless Steel, Add	*637.40*	
23 21 16 00-0368	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	611.73	52.15
		For Stainless Steel, Add	*761.27*	
23 21 16 00-0369	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	823.14	60.97
		For Stainless Steel, Add	*1,049.97*	
23 21 16 00-0370	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,323.63	104.32
		For Stainless Steel, Add	*1,672.80*	
23 21 16 00-0371	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,730.64	118.54
		For Stainless Steel, Add	*2,240.34*	
23 21 16 00-0372	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,133.19	180.60
		For Stainless Steel, Add	*1,361.09*	
23 21 16 00-0373	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,677.49	144.08
		For Stainless Steel, Add	*2,083.86*	
23 21 16 00-0374	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	2,121.46	386.12
		For Stainless Steel, Add	*2,456.42*	
23 21 16 00-0375	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,656.89	487.72
		For Stainless Steel, Add	*4,567.59*	

23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0355)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0377	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	583.03	35.63
		For Stainless Steel, Add	*767.60*	
23 21 16 00-0378	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	677.96	52.15
		For Stainless Steel, Add	*860.61*	
23 21 16 00-0379	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	989.62	60.97
		For Stainless Steel, Add	*1,299.69*	
23 21 16 00-0380	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,523.98	104.32
		For Stainless Steel, Add	*1,973.33*	
23 21 16 00-0381	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,796.87	118.54
		For Stainless Steel, Add	*2,339.69*	
23 21 16 00-0382	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,298.77	180.60
		For Stainless Steel, Add	*1,609.46*	
23 21 16 00-0383	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,882.81	144.08
		For Stainless Steel, Add	*2,391.84*	
23 21 16 00-0384	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,333.40	386.12
		For Stainless Steel, Add	*2,774.33*	
23 21 16 00-0385	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	4,112.24	487.72
		For Stainless Steel, Add	*5,250.62*	

23 21 16 00-0386 Basket Strainers *(23 21 16)*

23 21 16 00-0387 Bronze Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0389	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	344.15	27.09
		For Work In Restricted Working Space, Add	*16.13*	
23 21 16 00-0390	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	406.70	31.84
		For Work In Restricted Working Space, Add	*18.95*	
23 21 16 00-0391	EA	1" Screwed Ends, Bronze Body Basket Strainer	471.94	37.93
		For Work In Restricted Working Space, Add	*22.58*	
23 21 16 00-0392	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	586.88	42.00
		For Work In Restricted Working Space, Add	*25.18*	
23 21 16 00-0393	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	692.60	47.42
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0394	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,029.01	54.19
		For Work In Restricted Working Space, Add	*32.55*	
23 21 16 00-0395	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,454.93	72.48
		For Work In Restricted Working Space, Add	*43.60*	
23 21 16 00-0396	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,042.61	77.23
		For Work In Restricted Working Space, Add	*46.24*	

23 21 16 00-0397 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0387)*

23 21 16 00-0398	EA	2" Flanged, Bronze Body Basket Strainer	1,620.80	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0399	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,428.99	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0400	EA	3" Flanged, Bronze Body Basket Strainer	2,755.60	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0401	EA	4" Flanged, Bronze Body Basket Strainer	4,659.37	386.12
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0402	EA	6" Flanged, Bronze Body Basket Strainer	8,798.53	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0403	EA	8" Flanged, Bronze Body Basket Strainer	16,012.36	552.47
		For Work In Restricted Working Space, Add	*205.89*	

23 21 16 00-0404 Iron Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0405 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0404)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0406	EA	1/2" Screwed Ends, Iron Body Basket Strainer	394.52	27.09
		For Work In Restricted Working Space, Add	*16.13*	
23 21 16 00-0407	EA	3/4" Screwed Ends, Iron Body Basket Strainer	444.57	31.84
		For Work In Restricted Working Space, Add	*18.95*	
23 21 16 00-0408	EA	1" Screwed Ends, Iron Body Basket Strainer	525.45	37.93
		For Work In Restricted Working Space, Add	*22.58*	
23 21 16 00-0409	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	687.28	42.00
		For Work In Restricted Working Space, Add	*25.18*	
23 21 16 00-0410	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	754.37	47.42
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0411	EA	2" Screwed Ends, Iron Body Basket Strainer	896.31	54.19
		For Work In Restricted Working Space, Add	*32.55*	
23 21 16 00-0412	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,270.77	72.48
		For Work In Restricted Working Space, Add	*43.60*	
23 21 16 00-0413	EA	3" Screwed Ends, Iron Body Basket Strainer	1,435.88	77.23
		For Work In Restricted Working Space, Add	*46.24*	

23 21 16 00-0414 Flanged, Iron Body Basket Strainers *(23 21 16 00-0404)*

23 21 16 00-0415	EA	2" Flanged, Iron Body Basket Strainer	1,725.60	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0416	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,267.80	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0417	EA	3" Flanged, Iron Body Basket Strainer	2,440.13	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0418	EA	4" Flanged, Iron Body Basket Strainer	3,722.54	386.12
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0419	EA	6" Flanged, Iron Body Basket Strainer	6,845.88	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0420	EA	8" Flanged, Iron Body Basket Strainer	12,315.16	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0421	EA	10" Flanged, Iron Body Basket Strainer	18,338.34	672.56
		For Work In Restricted Working Space, Add	*252.21*	
23 21 16 00-0422	EA	12" Flanged, Iron Body Basket Strainer	22,453.72	847.91
		For Work In Restricted Working Space, Add	*508.70*	
23 21 16 00-0423	EA	14" Flanged, Iron Body Basket Strainer	27,393.13	960.80
		For Work In Restricted Working Space, Add	*360.30*	
23 21 16 00-0424	EA	16" Flanged, Iron Body Basket Strainer	28,708.71	1,056.88
		For Work In Restricted Working Space, Add	*396.33*	

23 21 16 00-0425 Cast Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0426 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0427	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	977.71	37.93
		For Work In Restricted Working Space, Add	*22.58*	
23 21 16 00-0428	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,288.45	42.00
		For Work In Restricted Working Space, Add	*25.18*	
23 21 16 00-0429	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,452.19	47.42
		For Work In Restricted Working Space, Add	*28.41*	
23 21 16 00-0430	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,039.56	54.19
		For Work In Restricted Working Space, Add	*32.55*	
23 21 16 00-0431	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,860.27	72.48
		For Work In Restricted Working Space, Add	*43.59*	
23 21 16 00-0432	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	3,710.38	77.23
		For Work In Restricted Working Space, Add	*46.25*	

23 21 16 00-0433 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0425)*

23 21 16 00-0434	EA	2" Flanged, Cast Steel Body Basket Strainer	3,036.36	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0435	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	4,357.02	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0436	EA	3" Flanged, Cast Steel Body Basket Strainer	4,781.33	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0437	EA	4" Flanged, Cast Steel Body Basket Strainer	6,793.28	386.12
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0438	EA	6" Flanged, Cast Steel Body Basket Strainer	11,918.47	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0439	EA	8" Flanged, Cast Steel Body Basket Strainer	19,327.78	552.47
		For Work In Restricted Working Space, Add	*205.89*	

23 21 16 00-0440 Stainless Steel Body Basket Strainers *(23 21 16 00-0386)*

23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0440)*

23 21 16 00-0442	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	606.26	37.93
		For Work In Restricted Working Space, Add	*22.58*	
23 21 16 00-0443	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	869.89	42.00
		For Work In Restricted Working Space, Add	*25.18*	
23 21 16 00-0444	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	899.08	47.42
		For Work In Restricted Working Space, Add	*28.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0445	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,325.57	54.19
		For Work In Restricted Working Space, Add	*32.55*	
23 21 16 00-0446	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,872.34	72.48
		For Work In Restricted Working Space, Add	*43.59*	
23 21 16 00-0447	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,638.26	77.23
		For Work In Restricted Working Space, Add	*46.25*	
23 21 16 00-0448		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0440)*		
23 21 16 00-0449	EA	2" Flanged, Stainless Steel Body Basket Strainer	2,036.96	180.60
		For Work In Restricted Working Space, Add	*67.74*	
23 21 16 00-0450	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	3,066.90	196.44
		For Work In Restricted Working Space, Add	*73.90*	
23 21 16 00-0451	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,474.20	230.31
		For Work In Restricted Working Space, Add	*86.48*	
23 21 16 00-0452	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,872.63	386.12
		For Work In Restricted Working Space, Add	*145.16*	
23 21 16 00-0453	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,954.14	432.36
		For Work In Restricted Working Space, Add	*162.71*	
23 21 16 00-0454	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,512.02	552.47
		For Work In Restricted Working Space, Add	*205.89*	
23 21 16 00-0455		**Bag Filter And Mounting Stands** *(23 21 16)*		
23 21 16 00-0456		**Stainless Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0455)*		
23 21 16 00-0457	EA	4" Diameter Flanged, 395 GPM, 3-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	6,513.13	386.12
23 21 16 00-0458	EA	4" Diameter Flanged, 525 GPM, 4-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	7,482.13	386.12
23 21 16 00-0459	EA	6" Diameter Flanged, 785 GPM, 6-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	11,309.06	432.36
23 21 16 00-0460	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	15,673.49	552.47
23 21 16 00-0461	EA	10" Diameter Flanged, 2,115 GPM, 16-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	22,977.02	672.56
23 21 16 00-0462	EA	10" Diameter Flanged, 2,645 GPM, 20-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	26,679.49	672.56
23 21 16 00-0463	EA	4" Diameter Flanged PVC Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged PVC pipe headers with two 2" butterfly valves on each header.	5,519.43	770.20
23 21 16 00-0464	EA	4" Diameter Flanged Stainless Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged 304 stainless steel pipe headers with two 2" butterfly valves on each header.	7,457.44	770.20
23 21 16 00-0465	EA	4" Diameter Flanged Carbon Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	6,488.44	770.20
23 21 16 00-0466	EA	4" Diameter Flanged Carbon Steel Header, Dual 4" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 4" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	25,398.88	951.20
23 21 16 00-0467		**Carbon Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0455)*		
23 21 16 00-0468	EA	4" Diameter Flanged, 395 GPM, 3-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	5,005.79	386.12
23 21 16 00-0469	EA	4" Diameter Flanged, 525 GPM, 4-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,190.13	386.12
23 21 16 00-0470	EA	6" Diameter Flanged, 5,785 GPM, 6-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	7,002.38	432.36
23 21 16 00-0471	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	12,314.28	552.47
23 21 16 00-0472		**Air Vents** *(23 21 16)*		
23 21 16 00-0473		**Screwed Ends, Cast Iron, Automatic Air Vents** *(23 21 16 00-0472)* Note: With guided free floating lever.		
23 21 16 00-0474	EA	1/2" NPT, Cast Iron, Automatic Air Vent	359.05	39.28
23 21 16 00-0475	EA	3/4" NPT, Cast Iron, Automatic Air Vent	439.89	52.15
23 21 16 00-0476	EA	1" NPT, Cast Iron, Automatic Air Vent	996.88	54.19
23 21 16 00-0477	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,478.47	83.73
23 21 16 00-0478	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,460.68	90.10
23 21 16 00-0479	EA	2" NPT, Cast Iron, Automatic Air Vent	2,826.87	118.81
23 21 16 00-0480		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0472)* Note: With guided free floating lever.		
23 21 16 00-0481	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,478.95	45.38
23 21 16 00-0482	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,107.34	52.15
23 21 16 00-0483	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,708.66	54.19
23 21 16 00-0484	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,085.61	84.00
23 21 16 00-0485	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,029.38	90.10
23 21 16 00-0486	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,335.74	118.54
23 21 16 00-0487		**Automatic Air Vent** *(23 21 16 00-0472)*		
23 21 16 00-0488	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	271.60	52.15
23 21 16 00-0489	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	297.00	54.19
23 21 16 00-0490	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	421.48	83.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0491	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	519.26	90.10
23 21 16 00-0492	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	660.47	97.08
23 21 16 00-0493		Manual Air Vent Bleed Plug Valve *(23 21 16 00-0472)*		
23 21 16 00-0494	EA	Up To 1/2" Manual Air Vent Bleed Plug Valve	91.96	48.90
23 21 16 00-0495		Air Release Valves *(23 21 16 00-0472)*		
23 21 16 00-0496		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0495)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0497	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	245.40	20.32
23 21 16 00-0498	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	250.81	23.03
23 21 16 00-0499	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	261.65	28.45
23 21 16 00-0500		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0495)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0501	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	1,013.70	28.45
23 21 16 00-0502	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,213.65	49.45
23 21 16 00-0503	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,590.38	115.30
23 21 16 00-0504		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0495)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0505	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	489.15	20.32
23 21 16 00-0506	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	602.90	28.45
23 21 16 00-0507	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	1,041.40	49.45
23 21 16 00-0508	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,512.38	115.30
23 21 16 00-0509	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	2,364.18	193.54
23 21 16 00-0510	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	3,604.67	244.73
23 21 16 00-0511		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0495)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0512	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	875.90	28.45
23 21 16 00-0513	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,343.65	49.45
23 21 16 00-0514	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,471.13	115.30
23 21 16 00-0515	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	3,199.43	193.54
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,992.14	361.89
		For Mechanical Seal, Add	*472.56*	
		For Cast Steel Case, Add	*1,063.26*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,646.01	438.01
		For Mechanical Seal, Add	*506.60*	
		For Cast Steel Case, Add	*1,139.84*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,841.36	520.37
		For Mechanical Seal, Add	*582.52*	
		For Cast Steel Case, Add	*1,310.67*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,931.56	693.82
		For Mechanical Seal, Add	*628.14*	
		For Cast Steel Case, Add	*1,413.32*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	11,375.53	756.21
		For Mechanical Seal, Add	*728.53*	
		For Cast Steel Case, Add	*1,639.20*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	16,927.86	832.34
		For Mechanical Seal, Add	*1,154.57*	
		For Cast Steel Case, Add	*2,597.78*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	19,907.84	1,039.49
		For Mechanical Seal, Add	*1,343.05*	
		For Cast Steel Case, Add	*3,021.86*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	27,627.31	1,187.99
		For Mechanical Seal, Add	*1,924.95*	
		For Cast Steel Case, Add	*4,331.15*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	35,072.15	1,245.44
		For Mechanical Seal, Add	*2,506.86*	
		For Cast Steel Case, Add	*5,640.42*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	38,358.65	1,600.94
		For Mechanical Seal, Add	*2,684.37*	
		For Cast Steel Case, Add	*6,039.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0012		**Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump** *(23 21 23 13)* Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.		
23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,569.54	207.77
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,542.47	237.47
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,936.90	265.92
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,191.70	289.14
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,787.56	316.59
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,980.28	349.91
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,980.26	415.55
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	9,287.40	511.51
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	11,947.67	554.06
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,960.35	586.63
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,930.72	623.31
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	18,919.60	644.15
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,908.46	664.87
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,633.47	712.41
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,505.74	801.09
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	28,180.76	1,157.09
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	33,261.29	2,314.16
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	38,233.58	2,776.99
23 21 23 16		**Base-Mounted, Centrifugal Hydronic Pumps** *(23 21 23)* See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 16-0001		**Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,789.14	395.58
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,609.50	396.07
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	10,026.47	520.37
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	11,001.60	640.16
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,299.00	640.16
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,977.93	693.82
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,715.55	693.82
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,890.52	727.51
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,481.74	924.68
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,396.90	1,039.49
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	25,290.71	2,432.74
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	36,527.96	2,918.76
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	41,503.18	3,648.45
23 21 23 16-0015		**Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,620.92	290.76
		For 300 Lb. Flanges, Add	*1,774.15*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,725.01	311.98
		For 300 Lb. Flanges, Add	*2,314.26*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,192.55	333.19
		For 300 Lb. Flanges, Add	*2,909.48*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,216.14	395.58
		For 300 Lb. Flanges, Add	*3,375.77*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,940.96	396.07
		For 300 Lb. Flanges, Add	*3,548.06*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,602.79	520.37
		For 300 Lb. Flanges, Add	*3,666.72*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,952.71	520.37
		For 300 Lb. Flanges, Add	*3,754.20*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	16,727.81	520.37
		For 300 Lb. Flanges, Add	*3,947.97*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,413.23	640.16
		For 300 Lb. Flanges, Add	*4,565.33*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,711.84	639.67
		For 300 Lb. Flanges, Add	*4,628.37*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,779.67	693.82
		For 300 Lb. Flanges, Add	*4,882.95*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,803.79	727.51
		For 300 Lb. Flanges, Add	*5,364.05*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,188.78	924.68
		For 300 Lb. Flanges, Add	*5,881.23*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	28,575.64	1,039.49
		For 300 Lb. Flanges, Add	*6,675.95*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	44,195.98	2,432.74
		For 300 Lb. Flanges, Add	*9,876.28*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	52,557.90	2,918.76
		For 300 Lb. Flanges, Add	*11,732.21*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	64,077.12	3,648.45
		For 300 Lb. Flanges, Add	*14,260.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0033		**Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,303.09	290.76
		For 300 Lb. Flanges, Add	*1,694.69*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,496.01	311.98
		For 300 Lb. Flanges, Add	*1,733.60*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,689.09	333.19
		For 300 Lb. Flanges, Add	*1,772.53*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	8,353.81	340.67
		For 300 Lb. Flanges, Add	*1,935.03*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	13,640.77	395.58
		For 300 Lb. Flanges, Add	*3,231.92*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,526.97	520.37
		For 300 Lb. Flanges, Add	*3,929.43*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	18,582.81	561.55
		For 300 Lb. Flanges, Add	*4,411.72*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,644.91	623.94
		For 300 Lb. Flanges, Add	*4,623.25*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	21,885.54	623.33
		For 300 Lb. Flanges, Add	*5,191.15*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	24,511.91	801.07
		For 300 Lb. Flanges, Add	*5,767.68*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	31,060.61	973.36
		For 300 Lb. Flanges, Add	*7,296.07*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	39,650.07	1,215.72
		For 300 Lb. Flanges, Add	*9,326.16*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	49,881.25	1,459.38
		For 300 Lb. Flanges, Add	*11,766.68*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	59,143.17	1,620.96
		For 300 Lb. Flanges, Add	*14,003.98*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	68,012.51	2,084.83
		For 300 Lb. Flanges, Add	*15,997.94*	
23 21 23 16-0049		**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	46,633.44	640.16
		For 300 Lb. Flanges, Add	*11,370.39*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	50,342.13	693.82
		For 300 Lb. Flanges, Add	*12,273.56*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	67,172.19	924.59
		For 300 Lb. Flanges, Add	*16,369.68*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	78,403.55	1,270.47
		For 300 Lb. Flanges, Add	*19,018.76*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	108,796.49	1,693.96
		For 300 Lb. Flanges, Add	*26,422.96*	
23 21 23 16-0055		**Cast Iron Close Coupling Pumps** *(23 21 23 16)*		
23 21 23 16-0056		**Foot Mounted Cast Iron Close Coupled Pumps** *(23 21 23 16-0055)*		
23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,082.36	374.36
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,612.98	374.36
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,348.86	395.16
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,818.25	395.16
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,976.87	415.55
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,641.35	500.42
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,960.53	616.47
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,946.53	667.23
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,299.09	720.61
23 21 23 16-0066		**Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt** *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,541.18	193.33
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,643.88	204.97
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,912.87	218.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23		**Vertical-Turbine Hydronic Pumps** *(23 21 23)*		
		See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001		Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*		
		Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	14,831.83	924.68
		For Each Extra Column Assembly <60", Add	*1,242.01*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*537.81*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*389.49*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	17,136.73	1,039.49
		For Each Extra Column Assembly <60", Add	*1,426.85*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*629.56*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*458.19*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	20,544.76	973.36
		For Each Extra Column Assembly <60", Add	*1,713.39*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*751.99*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*546.54*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	24,280.50	1,123.20
		For Each Extra Column Assembly <60", Add	*2,014.61*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*899.05*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*656.25*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	29,964.59	1,215.72
		For Each Extra Column Assembly <60", Add	*2,475.35*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,120.40*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*820.76*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	39,450.69	1,459.38
		For Each Extra Column Assembly <60", Add	*3,249.87*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,484.21*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,089.70*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	47,192.24	1,824.22
		For Each Extra Column Assembly <60", Add	*3,892.65*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,770.42*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,298.50*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	75,864.62	2,084.83
		For Each Extra Column Assembly <60", Add	*6,203.19*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,900.56*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,141.91*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	99,578.67	2,432.74
		For Each Extra Column Assembly <60", Add	*8,122.66*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,826.78*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,831.00*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	139,567.78	2,918.76
		For Each Extra Column Assembly <60", Add	*11,353.06*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*5,395.08*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,999.40*	
23 21 29		**Automatic Condensate Pump Units** *(23 21)*		
23 21 29 00-0001		Automatic Shallow Pan Condensate Pump *(23 21 29)*		
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	246.42	40.56
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	267.11	40.56
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	415.66	46.79
23 21 29 00-0005		Automatic Condensate Pump With Tank *(23 21 29)*		
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	135.61	31.19
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	144.44	31.19
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	239.65	40.56
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	258.90	46.79
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	476.26	53.03
23 22		**Steam and Condensate Piping and Pumps** *(23 20)*		
23 22 16		**Steam and Condensate Heating Piping Specialties** *(23 22)*		
23 22 16 00-0001		Steam Temperature Regulator, Iron Body *(23 22 16)*		
23 22 16 00-0002		Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*		
		Note: Up to 150 PSI.		
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,415.01	19.50
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,490.02	26.27
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,976.90	32.36
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,183.88	40.89
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,241.94	46.98
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,648.30	51.13
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,377.25	93.65
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,520.34	102.13
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,056.25	239.05
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,444.99	280.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0013		**Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,095.79	19.50
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,171.84	26.27
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,269.67	32.36
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,717.30	40.89
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,911.74	46.98
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,306.04	51.13
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,069.79	93.65
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,656.41	102.13
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,560.40	239.05
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,098.78	280.57
23 22 16 00-0024		**Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,854.84	19.50
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,897.77	26.27
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,172.09	32.36
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,455.29	40.89
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,581.54	46.98
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,040.03	51.13
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,476.23	93.65
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,857.71	102.13
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,694.81	239.05
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,229.23	280.57
23 22 16 00-0035		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,656.98	19.50
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,695.92	26.27
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,014.34	32.36
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,185.21	40.89
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,347.58	46.98
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,733.88	51.13
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,877.30	93.65
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,415.43	102.13
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,252.53	239.05
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,786.96	280.57
23 22 16 00-0046		**High Temperature Safety Relief Valve** *(23 22 16)* Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		**Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0046)* Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.		
23 22 16 00-0048		**Threaded** *(23 22 16 00-0047)*		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	533.07	20.31
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	559.00	24.03
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	618.20	30.47
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	761.02	33.86
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	973.63	41.64
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,503.90	47.40
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,630.88	54.50
23 22 16 00-0056		**Flanged** *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,715.79	142.18
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,331.59	213.72
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,780.95	196.82
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,812.29	284.27
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,192.70	211.99
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,280.03	284.27
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,174.42	403.41
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,174.92	450.53
23 22 16 00-0065		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0046)* Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	578.75	18.62
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	593.28	20.31
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	693.91	22.35
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	766.03	24.03
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	886.06	27.08
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	891.65	30.47
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,002.14	32.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,091.69	33.86
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,512.59	37.91
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,653.16	41.64
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,971.73	47.40
23 22 16 00-0077		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0046)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	275.72	18.62
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	313.90	20.31
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	432.89	22.35
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	476.43	24.03
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	686.57	27.08
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	924.68	32.16
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,345.76	37.91
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	352.53	40.65
		For Work In Restricted Working Space, Add	*24.38*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	355.93	42.33
		For Work In Restricted Working Space, Add	*25.40*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	526.96	45.12
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	850.89	61.57
		For Work In Restricted Working Space, Add	*36.95*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,264.63	75.86
		For Work In Restricted Working Space, Add	*45.16*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,615.94	112.90
		For Work In Restricted Working Space, Add	*67.74*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	372.57	42.33
		For Work In Restricted Working Space, Add	*25.40*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	489.46	45.16
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	606.11	61.58
		For Work In Restricted Working Space, Add	*36.95*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	885.54	75.26
		For Work In Restricted Working Space, Add	*45.16*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,493.81	112.86
		For Work In Restricted Working Space, Add	*67.74*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	472.80	42.33
		For Work In Restricted Working Space, Add	*25.40*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	513.72	45.12
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	672.25	61.57
		For Work In Restricted Working Space, Add	*36.95*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,045.62	75.19
		For Work In Restricted Working Space, Add	*45.16*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,641.56	112.90
		For Work In Restricted Working Space, Add	*67.74*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	611.73	42.33
		For Work In Restricted Working Space, Add	*25.40*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	681.32	45.16
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,036.13	61.57
		For Work In Restricted Working Space, Add	*36.95*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,246.10	75.19
		For Work In Restricted Working Space, Add	*45.16*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,058.34	112.90
		For Work In Restricted Working Space, Add	*67.74*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	620.55	42.33
		For Work In Restricted Working Space, Add	*25.40*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	681.32	45.16
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,036.13	61.57
		For Work In Restricted Working Space, Add	*36.95*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,246.10	75.19
		For Work In Restricted Working Space, Add	*45.16*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,058.34	112.90
		For Work In Restricted Working Space, Add	*67.74*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	183.59	40.65
		For Work In Restricted Working Space, Add	*24.38*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	302.98	42.33
		For Work In Restricted Working Space, Add	*25.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	373.09	45.12
		For Work In Restricted Working Space, Add	*27.10*	
23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	397.65	36.58
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	562.03	40.65
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	695.52	42.33
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	930.50	45.12
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	907.41	67.74
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	960.49	91.45
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,157.08	102.97
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,833.65	117.86
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,243.06	180.60
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,382.15	196.44
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,863.14	230.31
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	5,336.80	386.12
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	10,443.35	487.72
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,886.54	112.23
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,532.97	131.87
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,385.50	163.67
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,264.21	215.11
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,222.83	334.20
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,393.25	422.74
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,396.77	533.72
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,772.82	654.68
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,265.07	794.96
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,432.41	935.26
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,682.28	1,028.78
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,256.85	635.17
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,864.34	652.64
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,998.56	696.32
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,288.65	703.81
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,670.27	766.20
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,318.55	766.20
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,415.38	818.61
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,575.18	856.05
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,648.35	893.49

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,579.60	678.84
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,320.63	696.32
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,452.11	742.49
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,980.41	802.39
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,415.38	819.86
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,566.40	848.56
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,739.77	893.49
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,640.14	950.89

23 22 23 13-0021 40 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,879.90	778.68
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,601.29	841.07
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,196.90	831.09
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,540.22	848.56
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,661.83	884.75
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,648.35	893.49
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,751.43	950.89

23 22 23 13-0029 50 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,291.79	843.56
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,887.02	861.04
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,440.26	867.27
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,763.58	943.40
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,990.49	1,017.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0035		Duplex Condensate Pumps And Motors *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		20 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,680.85	852.30
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,907.70	935.92
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,252.76	943.40
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,746.56	1,028.26
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,525.76	1,028.26
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,663.83	1,108.12
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,859.39	1,156.78
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	8,060.64	1,214.19
23 22 23 13-0045		30 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,728.54	918.44
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,960.44	1,003.30
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,485.48	978.34
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,663.83	1,108.12
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,855.84	1,149.30
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,798.80	1,214.19
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,191.67	1,301.54
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,150.87	1,083.16
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,674.86	1,131.83
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,871.55	1,149.30
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,074.11	1,206.71
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,061.95	1,214.19
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,223.09	1,301.54
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,368.19	1,083.16
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,798.88	1,190.48
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,236.56	1,292.80
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	12,393.38	1,400.13

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	53.89	13.54
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	56.07	13.54
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	74.18	13.54
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	99.36	14.89
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	138.39	16.93
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	224.57	20.85
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	69.94	14.09
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	87.13	15.44
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	177.18	21.14
23 23 13 00-0014		**Packed** *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	313.84	30.76
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	419.09	37.66
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	510.03	42.40
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	727.04	48.37
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,214.05	135.48
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,591.93	169.34
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,261.64	225.84
23 23 13 00-0022		**Check Valves** *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	88.98	13.55
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	275.32	14.90
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	319.51	16.94
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	429.89	18.02
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	564.94	20.86
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	835.47	24.66
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,169.66	36.18
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,545.27	47.42
23 23 13 00-0031		**Solenoid Valves** *(23 23 13)*		
23 23 13 00-0032		**Solenoid Valve, 24 Volt Coil** *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	234.29	13.55
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	239.82	13.55
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	296.94	14.90
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	296.94	14.90
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	414.74	16.94
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	663.62	18.02
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,216.19	20.86
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,235.13	24.66

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001 Soft Refrigeration Copper Tubing *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0427 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.59	3.22
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.86	3.31
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.11	3.40
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.52	3.45
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.71	3.51
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	7.51	3.68
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	8.22	3.72
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.96	3.87
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	11.50	4.52
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	14.55	5.19
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	20.86	6.14
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	25.09	6.86

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0427 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.42	3.79
		For Medical Applications "Oxygen Clean", Add	*0.66*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	8.27	3.79
		For Medical Applications "Oxygen Clean", Add	*0.70*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.82	3.79
		For Medical Applications "Oxygen Clean", Add	*0.73*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	12.74	5.69
		For Medical Applications "Oxygen Clean", Add	*1.06*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.90	6.10
		For Medical Applications "Oxygen Clean", Add	*1.15*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	16.04	6.10
		For Medical Applications "Oxygen Clean", Add	*1.26*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	19.91	7.05
		For Medical Applications "Oxygen Clean", Add	*1.53*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	24.03	8.13
		For Medical Applications "Oxygen Clean", Add	*1.81*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	33.84	10.16
		For Medical Applications "Oxygen Clean", Add	*2.45*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	50.77	15.31
		For Medical Applications "Oxygen Clean", Add	*3.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	65.56	18.97
		For Medical Applications "Oxygen Clean", Add	*4.70*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	82.32	22.48
		For Medical Applications "Oxygen Clean", Add	*5.81*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	101.67	27.09
		For Medical Applications "Oxygen Clean", Add	*7.12*	
23 23 16 00-0028		**Refrigeration Fittings** *(23 23 16)*		
23 23 16 00-0029		**Brass Flare Fittings** *(23 23 16 00-0028)*		
23 23 16 00-0030		**Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0031	EA	3/8" Brass Flare Union	28.43	14.63
23 23 16 00-0032	EA	1/2" Brass Flare Union	28.43	14.63
23 23 16 00-0033	EA	5/8" Brass Flare Union	30.13	14.63
23 23 16 00-0034		**90 Degree Elbow Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	29.46	14.63
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	29.46	14.63
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	35.14	14.63
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	46.27	24.37
23 23 16 00-0040	EA	1/2" Brass Flare Tee	48.81	24.37
23 23 16 00-0041	EA	5/8" Brass Flare Tee	62.60	24.37
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	23.77	14.63
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	25.47	14.63
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	27.89	14.63
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	25.95	14.63
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	28.25	14.63
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	28.25	14.63
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	24.80	14.63
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	25.47	14.63
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	32.84	14.63
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	23.84	14.63
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	25.37	14.63
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	25.69	14.63
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	23.38	14.63
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	23.11	14.63
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	23.51	14.63
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	24.38	15.31
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	33.98	20.19
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	33.81	20.73
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	44.08	25.74
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	62.54	35.23
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	74.86	41.32
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	96.53	50.13
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	162.40	76.14
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	215.92	100.12
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	327.92	118.94
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	27.02	14.63
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	27.29	14.63
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	27.02	14.63
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	29.10	15.31
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	41.41	20.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	42.05	20.73
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	53.27	25.74
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	67.84	35.23
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	85.43	41.32
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	117.76	50.13
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	199.50	76.14
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	257.44	100.12
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	452.95	118.94
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	31.57	14.63
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	29.17	14.63
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	31.07	14.63
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	31.30	15.31
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	38.73	20.19
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	41.77	20.73
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	55.80	25.74
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	80.82	35.23
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	99.60	41.32
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	173.97	50.13
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	270.65	76.14
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	357.42	100.12
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	733.58	118.94
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	34.88	14.63
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	31.57	14.63
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	30.16	14.63
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	26.35	15.31
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	44.93	20.19
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	36.90	20.73
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	53.24	25.74
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	72.51	35.23
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	85.73	41.32
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	114.67	50.13
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	198.47	76.14
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	267.86	100.12
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	429.14	118.94
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	46.92	24.37
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	47.51	24.37
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	45.35	24.37
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	49.12	30.76
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	66.04	30.76
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	54.21	31.16
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	85.21	41.32
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	106.45	50.13
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	137.52	59.47
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	194.29	79.26
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	411.54	173.01
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	503.64	190.21
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	845.54	211.34
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	38.16	14.63
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	43.45	14.63
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	34.67	14.63
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	36.09	14.63
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	33.05	14.63
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	34.20	14.63
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	17.11	9.75
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	16.15	9.75
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	17.08	9.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	101.16	12.48
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	136.16	13.73
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	120.55	13.73
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	162.23	14.97
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	280.64	14.97
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	392.51	16.22
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	697.95	17.47
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	66.89	18.72
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	81.12	22.47
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	97.92	27.46
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	107.81	31.19
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	145.07	39.93
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	168.09	48.67
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	257.54	57.40
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	318.46	78.61
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	391.17	97.33
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	585.89	11.23
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	592.11	13.73
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	757.02	13.73
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	757.05	14.97
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	845.71	16.22
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	956.25	17.47
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,118.22	18.72
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,396.08	18.72
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	99.12	11.23
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	126.64	11.23
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	161.44	12.48
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	186.47	12.48
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	205.33	12.48
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	235.31	12.48
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	265.04	13.73
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	383.86	13.73
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	418.82	13.73
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	136.32	11.23
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	153.12	11.23
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	183.11	12.48
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	163.62	11.23
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	204.77	12.48
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	239.03	12.48
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	124.31	11.23
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	137.31	11.23
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	165.34	11.23
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	221.94	13.73
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	289.95	13.73
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	344.71	14.97
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	436.49	16.22
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	791.87	17.47
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	887.73	18.72
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,099.13	18.72
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	260.38	11.23
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	362.45	12.48
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	612.71	12.48
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	726.52	13.73
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	788.92	13.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)* Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	625.02	15.60
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve Note: Sporlan SEI.	722.74	16.22
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	821.02	16.85
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	966.68	16.85
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	1,087.94	17.47
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	69.16	16.22
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	70.17	18.72
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	90.77	23.71
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	98.19	28.70
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	115.83	34.94
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	133.91	39.93
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	190.36	14.97
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	266.78	16.22
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	332.69	16.22
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	452.79	17.47
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	768.10	18.72
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	1,005.56	18.72
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	221.24	56.78
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	299.95	78.00
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	358.67	103.95
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	503.47	124.79
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	692.50	155.98
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,050.52	208.02
23 23 16 00-0230		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	27.13	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	9.68	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	18.90	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	376.30	
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.69	
23 23 23 00-0003	LB	R-134A Refrigerant	14.15	
23 23 23 00-0004	LB	R-404A Refrigerant	14.13	
23 23 23 00-0005	LB	R-407C Refrigerant	12.71	
23 23 23 00-0006	LB	R-408A Refrigerant	28.97	
23 23 23 00-0007	LB	R-410A Refrigerant	12.45	
23 23 23 00-0008	LB	R-500 Refrigerant	48.50	
23 23 23 00-0009	LB	R-507 Refrigerant	7.92	
23 23 23 00-0010	LB	R-32 Refrigerant	16.61	
23 23 23 00-0011	LB	R-452A Refrigerant	18.58	
23 23 23 00-0012	LB	R-453A Refrigerant	21.62	
23 23 23 00-0013	LB	R-454A Refrigerant	29.56	
23 23 23 00-0014	LB	R-454B Refrigerant	23.70	
23 25		**HVAC Water Treatment** *(23 20)*		
23 25 13		**Water Treatment for Closed-Loop Hydronic Systems** *(23 25)*		
23 25 13 00-0001		**Polyethylene Chemical Storage Tanks** *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	485.30	104.19
23 25 13 00-0003		**Gas Chlorinator** *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,298.01	473.93
		For Booster Pump, Add	*522.90*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,483.07	541.63
		For Booster Pump, Add	*597.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	2,004.10	410.29
		For Booster Pump, Add	*723.73*	
23 25 13 00-0007		Bypass Shot Feeders *(23 25 13)* Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008		In Line Mount, 125 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,216.00	353.15
23 25 13 00-0010		Floor Mount, 175 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,794.13	531.60
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,367.17	703.81
23 25 13 00-0013		Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,794.13	531.60
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,367.17	703.81
23 25 13 00-0016		Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,178.84	531.60
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,766.64	703.81

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001		Steel Sheet Metal Duct *(23 31 13 13)* Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.		
23 31 13 13-0002		Galvanized Steel Sheet Metal Ductwork And Sealant Assemblies *(23 31 13 13-0001)* Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF		
23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	14.15	3.76
		For Polyvinyl Chloride (PVC) Coated, Add	*0.51*	
		For Up To 200, Add	*5.01*	
		For >200 To 500, Add	*3.19*	
		For >500 To 1,000, Add	*2.16*	
		For >1,000 To 2,000, Add	*1.21*	
		For >2,000 To 5,000, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.48*	
		For Elevated Installation >40' Above Floor, Add	*3.82*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	16.15	3.76
		For Polyvinyl Chloride (PVC) Coated, Add	*0.56*	
		For Up To 200, Add	*5.69*	
		For >200 To 500, Add	*3.61*	
		For >500 To 1,000, Add	*2.46*	
		For >1,000 To 2,000, Add	*1.38*	
		For >2,000 To 5,000, Add	*0.62*	
		For Work In Restricted Working Space, Add	*4.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.00*	
		For Elevated Installation >40' Above Floor, Add	*4.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005		LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	19.30	3.76
			For Polyvinyl Chloride (PVC) Coated, Add	*0.61*	
			For Up To 200, Add	*6.71*	
			For >200 To 500, Add	*4.24*	
			For >500 To 1,000, Add	*2.92*	
			For >1,000 To 2,000, Add	*1.64*	
			For >2,000 To 5,000, Add	*0.74*	
			For Work In Restricted Working Space, Add	*4.87*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.95*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.43*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.90*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.87*	
			For Elevated Installation >40' Above Floor, Add	*5.36*	
23 31 13 13-0006			Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assemblies *(23 31 13 13-0001)* Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF		
23 31 13 13-0007		LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	27.62	3.76
			For Work In Restricted Working Space, Add	*6.87*	
			For Up To 200, Add	*9.71*	
			For >200 To 500, Add	*6.15*	
			For >500 To 1,000, Add	*4.20*	
			For >1,000 To 2,000, Add	*2.35*	
			For >2,000 To 5,000, Add	*1.06*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.75*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
			For Elevated Installation >25' To 30' Above Floor, Add	*4.81*	
			For Elevated Installation >30' To 35' Above Floor, Add	*5.49*	
			For Elevated Installation >35' To 40' Above Floor, Add	*6.87*	
			For Elevated Installation >40' Above Floor, Add	*7.55*	
23 31 13 13-0008		LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	31.32	3.76
			For Work In Restricted Working Space, Add	*7.90*	
			For Up To 200, Add	*10.89*	
			For >200 To 500, Add	*6.89*	
			For >500 To 1,000, Add	*4.73*	
			For >1,000 To 2,000, Add	*2.66*	
			For >2,000 To 5,000, Add	*1.20*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.58*	
			For Elevated Installation >15' To 20' Above Floor, Add	*3.16*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.95*	
			For Elevated Installation >25' To 30' Above Floor, Add	*5.53*	
			For Elevated Installation >30' To 35' Above Floor, Add	*6.32*	
			For Elevated Installation >35' To 40' Above Floor, Add	*7.90*	
			For Elevated Installation >40' Above Floor, Add	*8.69*	
23 31 13 13-0009		LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	37.30	3.76
			For Work In Restricted Working Space, Add	*9.62*	
			For Up To 200, Add	*12.76*	
			For >200 To 500, Add	*8.02*	
			For >500 To 1,000, Add	*5.59*	
			For >1,000 To 2,000, Add	*3.14*	
			For >2,000 To 5,000, Add	*1.44*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.92*	
			For Elevated Installation >15' To 20' Above Floor, Add	*3.85*	
			For Elevated Installation >20' To 25' Above Floor, Add	*4.81*	
			For Elevated Installation >25' To 30' Above Floor, Add	*6.73*	
			For Elevated Installation >30' To 35' Above Floor, Add	*7.69*	
			For Elevated Installation >35' To 40' Above Floor, Add	*9.62*	
			For Elevated Installation >40' Above Floor, Add	*10.58*	
23 31 13 13-0010			Type 304, Stainless Steel Sheet Metal Ductwork Assemblies *(23 31 13 13-0001)* Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	20.45	5.01
		For Work In Restricted Working Space, Add	*4.22*	
		For Welded Seams, Add	*7.35*	
		For Up To 200, Add	*8.05*	
		For >200 To 500, Add	*5.28*	
		For >500 To 1,000, Add	*3.31*	
		For >1,000 To 2,000, Add	*1.83*	
		For >2,000 To 5,000, Add	*0.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.22*	
		For Elevated Installation >40' Above Floor, Add	*4.64*	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	23.61	5.01
		For Work In Restricted Working Space, Add	*5.09*	
		For Welded Seams, Add	*8.82*	
		For Up To 200, Add	*9.08*	
		For >200 To 500, Add	*5.91*	
		For >500 To 1,000, Add	*3.77*	
		For >1,000 To 2,000, Add	*2.09*	
		For >2,000 To 5,000, Add	*0.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.09*	
		For Elevated Installation >40' Above Floor, Add	*5.60*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	26.59	5.01
		For Work In Restricted Working Space, Add	*5.91*	
		For Welded Seams, Add	*10.19*	
		For Up To 200, Add	*10.04*	
		For >200 To 500, Add	*6.51*	
		For >500 To 1,000, Add	*4.20*	
		For >1,000 To 2,000, Add	*2.33*	
		For >2,000 To 5,000, Add	*0.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.91*	
		For Elevated Installation >40' Above Floor, Add	*6.50*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF Assemblies *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	15.11	7.74
		For Seal Class B, Add	*1.94*	
		For Seal Class A, Add	*4.13*	
		For Work In Restricted Working Space, Add	*3.87*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	18.88	9.67
		For Seal Class B, Add	*2.42*	
		For Seal Class A, Add	*5.16*	
		For Work In Restricted Working Space, Add	*4.84*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.67	11.61
		For Seal Class B, Add	*2.90*	
		For Seal Class A, Add	*6.19*	
		For Work In Restricted Working Space, Add	*5.81*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.43	13.54
		For Seal Class B, Add	*3.39*	
		For Seal Class A, Add	*7.22*	
		For Work In Restricted Working Space, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.21	15.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.87*	
		For Seal Class A, Add	*8.25*	
		For Work In Restricted Working Space, Add	*7.74*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.98	17.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.35*	
		For Seal Class A, Add	*9.29*	
		For Work In Restricted Working Space, Add	*8.71*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.75	19.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.84*	
		For Seal Class A, Add	*10.32*	
		For Work In Restricted Working Space, Add	*9.68*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	22.67	11.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*2.90*	
		For Seal Class A, Add	*6.19*	
		For Work In Restricted Working Space, Add	*5.81*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	26.43	13.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.39*	
		For Seal Class A, Add	*7.22*	
		For Work In Restricted Working Space, Add	*6.77*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.21	15.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.87*	
		For Seal Class A, Add	*8.25*	
		For Work In Restricted Working Space, Add	*7.74*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.98	17.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.35*	
		For Seal Class A, Add	*9.29*	
		For Work In Restricted Working Space, Add	*8.71*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.75	19.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.84*	
		For Seal Class A, Add	*10.32*	
		For Work In Restricted Working Space, Add	*9.68*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.54	21.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.32*	
		For Seal Class A, Add	*11.35*	
		For Work In Restricted Working Space, Add	*10.64*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.21	15.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.87*	
		For Seal Class A, Add	*8.25*	
		For Work In Restricted Working Space, Add	*7.74*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.98	17.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.35*	
		For Seal Class A, Add	*9.29*	
		For Work In Restricted Working Space, Add	*8.71*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.75	19.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.84*	
		For Seal Class A, Add	*10.32*	
		For Work In Restricted Working Space, Add	*9.68*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.54	21.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.32*	
		For Seal Class A, Add	*11.35*	
		For Work In Restricted Working Space, Add	*10.64*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.31	23.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.38*	
		For Work In Restricted Working Space, Add	*11.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.09	25.16
		For Seal Class B, Add	*6.29*	
		For Seal Class A, Add	*13.41*	
		For Work In Restricted Working Space, Add	*12.58*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.85	27.09
		For Seal Class B, Add	*6.77*	
		For Seal Class A, Add	*14.44*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.65	29.02
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.41	30.96
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.51*	
		For Work In Restricted Working Space, Add	*15.48*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	37.75	19.35
		For Seal Class B, Add	*4.84*	
		For Seal Class A, Add	*10.32*	
		For Work In Restricted Working Space, Add	*9.68*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.54	21.28
		For Seal Class B, Add	*5.32*	
		For Seal Class A, Add	*11.35*	
		For Work In Restricted Working Space, Add	*10.64*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.31	23.21
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.38*	
		For Work In Restricted Working Space, Add	*11.61*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.09	25.16
		For Seal Class B, Add	*6.29*	
		For Seal Class A, Add	*13.41*	
		For Work In Restricted Working Space, Add	*12.58*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.85	27.09
		For Seal Class B, Add	*6.77*	
		For Seal Class A, Add	*14.44*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.65	29.02
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.41	30.96
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.51*	
		For Work In Restricted Working Space, Add	*15.48*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.20	32.90
		For Seal Class B, Add	*8.22*	
		For Seal Class A, Add	*17.54*	
		For Work In Restricted Working Space, Add	*16.45*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.31	23.21
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.38*	
		For Work In Restricted Working Space, Add	*11.61*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.09	25.16
		For Seal Class B, Add	*6.29*	
		For Seal Class A, Add	*13.41*	
		For Work In Restricted Working Space, Add	*12.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.85	27.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.77*	
		For Seal Class A, Add	*14.44*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	56.65	29.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.41	30.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.51*	
		For Work In Restricted Working Space, Add	*15.48*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	64.20	32.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.22*	
		For Seal Class A, Add	*17.54*	
		For Work In Restricted Working Space, Add	*16.45*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.97	34.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.58*	
		For Work In Restricted Working Space, Add	*17.42*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.85	27.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.77*	
		For Seal Class A, Add	*14.44*	
		For Work In Restricted Working Space, Add	*13.54*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	56.65	29.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.41	30.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.51*	
		For Work In Restricted Working Space, Add	*15.48*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	64.20	32.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.22*	
		For Seal Class A, Add	*17.54*	
		For Work In Restricted Working Space, Add	*16.45*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.97	34.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.58*	
		For Work In Restricted Working Space, Add	*17.42*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	71.76	36.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.61*	
		For Work In Restricted Working Space, Add	*18.38*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.41	30.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.74*	
		For Seal Class A, Add	*16.51*	
		For Work In Restricted Working Space, Add	*15.48*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	64.20	32.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.22*	
		For Seal Class A, Add	*17.54*	
		For Work In Restricted Working Space, Add	*16.45*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.97	34.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.58*	
		For Work In Restricted Working Space, Add	*17.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.76	36.77
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.61*	
		For Work In Restricted Working Space, Add	*18.38*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.52	38.70
		For Seal Class B, Add	*9.67*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.97	34.83
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.58*	
		For Work In Restricted Working Space, Add	*17.42*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.76	36.77
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.61*	
		For Work In Restricted Working Space, Add	*18.38*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.52	38.70
		For Seal Class B, Add	*9.67*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.28	40.63
		For Seal Class B, Add	*10.16*	
		For Seal Class A, Add	*21.67*	
		For Work In Restricted Working Space, Add	*20.31*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.52	38.70
		For Seal Class B, Add	*9.67*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.28	40.63
		For Seal Class B, Add	*10.16*	
		For Seal Class A, Add	*21.67*	
		For Work In Restricted Working Space, Add	*20.31*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.07	42.56
		For Seal Class B, Add	*10.64*	
		For Seal Class A, Add	*22.70*	
		For Work In Restricted Working Space, Add	*21.28*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.07	42.56
		For Seal Class B, Add	*10.64*	
		For Seal Class A, Add	*22.70*	
		For Work In Restricted Working Space, Add	*21.28*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.83	44.51
		For Seal Class B, Add	*11.12*	
		For Seal Class A, Add	*23.73*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.63	46.44
		For Seal Class B, Add	*11.61*	
		For Seal Class A, Add	*24.76*	
		For Work In Restricted Working Space, Add	*23.22*	
23 31 13 13-0074		28 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	17.98	9.21
		For Seal Class B, Add	*2.30*	
		For Seal Class A, Add	*4.92*	
		For Work In Restricted Working Space, Add	*4.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	22.49	11.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*2.88*	
		For Seal Class A, Add	*6.14*	
		For Work In Restricted Working Space, Add	*5.76*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	26.98	13.82
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.46*	
		For Seal Class A, Add	*7.37*	
		For Work In Restricted Working Space, Add	*6.91*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	31.46	16.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.03*	
		For Seal Class A, Add	*8.60*	
		For Work In Restricted Working Space, Add	*8.06*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.97	18.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.83*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.45	20.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.94	23.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.76*	
		For Seal Class A, Add	*12.28*	
		For Work In Restricted Working Space, Add	*11.52*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	26.98	13.82
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.46*	
		For Seal Class A, Add	*7.37*	
		For Work In Restricted Working Space, Add	*6.91*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	31.46	16.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.03*	
		For Seal Class A, Add	*8.60*	
		For Work In Restricted Working Space, Add	*8.06*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.97	18.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.83*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.45	20.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.94	23.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.76*	
		For Seal Class A, Add	*12.28*	
		For Work In Restricted Working Space, Add	*11.52*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	49.46	25.34
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.51*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.97	18.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.83*	
		For Work In Restricted Working Space, Add	*9.21*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.45	20.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.05*	
		For Work In Restricted Working Space, Add	*10.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.94	23.04
		For Seal Class B, Add	*5.76*	
		For Seal Class A, Add	*12.28*	
		For Work In Restricted Working Space, Add	*11.52*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.46	25.34
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.51*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	53.94	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.43	29.95
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
		For Work In Restricted Working Space, Add	*14.97*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.95	32.25
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.20*	
		For Work In Restricted Working Space, Add	*16.13*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.42	34.54
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.43*	
		For Work In Restricted Working Space, Add	*17.27*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.94	36.86
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.65*	
		For Work In Restricted Working Space, Add	*18.43*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.94	23.04
		For Seal Class B, Add	*5.76*	
		For Seal Class A, Add	*12.28*	
		For Work In Restricted Working Space, Add	*11.52*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.46	25.34
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.51*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	53.94	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.43	29.95
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
		For Work In Restricted Working Space, Add	*14.97*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.95	32.25
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.20*	
		For Work In Restricted Working Space, Add	*16.13*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.42	34.54
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.43*	
		For Work In Restricted Working Space, Add	*17.27*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.94	36.86
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.65*	
		For Work In Restricted Working Space, Add	*18.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	76.43	39.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.79*	
		For Seal Class A, Add	*20.89*	
		For Work In Restricted Working Space, Add	*19.58*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.94	27.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	58.43	29.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
		For Work In Restricted Working Space, Add	*14.97*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.95	32.25
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.20*	
		For Work In Restricted Working Space, Add	*16.13*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.42	34.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.43*	
		For Work In Restricted Working Space, Add	*17.27*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	71.94	36.86
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.65*	
		For Work In Restricted Working Space, Add	*18.43*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	76.43	39.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.79*	
		For Seal Class A, Add	*20.89*	
		For Work In Restricted Working Space, Add	*19.58*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	80.92	41.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.73*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.95	32.25
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.20*	
		For Work In Restricted Working Space, Add	*16.13*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.42	34.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.43*	
		For Work In Restricted Working Space, Add	*17.27*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	71.94	36.86
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.65*	
		For Work In Restricted Working Space, Add	*18.43*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	76.43	39.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.79*	
		For Seal Class A, Add	*20.89*	
		For Work In Restricted Working Space, Add	*19.58*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	80.92	41.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.73*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	85.44	43.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.94*	
		For Seal Class A, Add	*23.34*	
		For Work In Restricted Working Space, Add	*21.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.94	36.86
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.65*	
		For Work In Restricted Working Space, Add	*18.43*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	76.43	39.16
		For Seal Class B, Add	*9.79*	
		For Seal Class A, Add	*20.89*	
		For Work In Restricted Working Space, Add	*19.58*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.92	41.45
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.73*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.44	43.77
		For Seal Class B, Add	*10.94*	
		For Seal Class A, Add	*23.34*	
		For Work In Restricted Working Space, Add	*21.89*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.92	46.07
		For Seal Class B, Add	*11.52*	
		For Seal Class A, Add	*24.57*	
		For Work In Restricted Working Space, Add	*23.04*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.92	41.45
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.73*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.44	43.77
		For Seal Class B, Add	*10.94*	
		For Seal Class A, Add	*23.34*	
		For Work In Restricted Working Space, Add	*21.89*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.92	46.07
		For Seal Class B, Add	*11.52*	
		For Seal Class A, Add	*24.57*	
		For Work In Restricted Working Space, Add	*23.04*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.40	48.38
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.19*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.92	46.07
		For Seal Class B, Add	*11.52*	
		For Seal Class A, Add	*24.57*	
		For Work In Restricted Working Space, Add	*23.04*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.40	48.38
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.19*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.91	50.68
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.91	50.68
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.40	52.98
		For Seal Class B, Add	*13.25*	
		For Seal Class A, Add	*28.26*	
		For Work In Restricted Working Space, Add	*26.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.89	55.29
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.48*	
		For Work In Restricted Working Space, Add	*27.64*	
23 31 13 13-0133		**26 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.87	10.68
		For Seal Class B, Add	*2.67*	
		For Seal Class A, Add	*5.70*	
		For Work In Restricted Working Space, Add	*5.35*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.08	13.36
		For Seal Class B, Add	*3.34*	
		For Seal Class A, Add	*7.13*	
		For Work In Restricted Working Space, Add	*6.68*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.29	16.03
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*8.55*	
		For Work In Restricted Working Space, Add	*8.02*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.51	18.71
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
		For Work In Restricted Working Space, Add	*9.35*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.72	21.38
		For Seal Class B, Add	*5.34*	
		For Seal Class A, Add	*11.40*	
		For Work In Restricted Working Space, Add	*10.69*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.93	24.06
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.83*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.15	26.72
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.26*	
		For Work In Restricted Working Space, Add	*13.37*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.29	16.03
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*8.55*	
		For Work In Restricted Working Space, Add	*8.02*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.51	18.71
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
		For Work In Restricted Working Space, Add	*9.35*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.72	21.38
		For Seal Class B, Add	*5.34*	
		For Seal Class A, Add	*11.40*	
		For Work In Restricted Working Space, Add	*10.69*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.93	24.06
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.83*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.15	26.72
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.26*	
		For Work In Restricted Working Space, Add	*13.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	57.38	29.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.35*	
		For Seal Class A, Add	*15.68*	
		For Work In Restricted Working Space, Add	*14.70*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.72	21.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.34*	
		For Seal Class A, Add	*11.40*	
		For Work In Restricted Working Space, Add	*10.69*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	46.93	24.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.83*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.17	26.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.26*	
		For Work In Restricted Working Space, Add	*13.37*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	57.38	29.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.35*	
		For Seal Class A, Add	*15.68*	
		For Work In Restricted Working Space, Add	*14.70*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.59	32.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.02*	
		For Seal Class A, Add	*17.10*	
		For Work In Restricted Working Space, Add	*16.04*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.79	34.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.37*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.00	37.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.35*	
		For Seal Class A, Add	*19.95*	
		For Work In Restricted Working Space, Add	*18.71*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	78.23	40.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*21.38*	
		For Work In Restricted Working Space, Add	*20.04*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	83.44	42.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.69*	
		For Seal Class A, Add	*22.80*	
		For Work In Restricted Working Space, Add	*21.38*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.17	26.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.26*	
		For Work In Restricted Working Space, Add	*13.37*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	57.37	29.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.35*	
		For Seal Class A, Add	*15.68*	
		For Work In Restricted Working Space, Add	*14.70*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.59	32.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.02*	
		For Seal Class A, Add	*17.10*	
		For Work In Restricted Working Space, Add	*16.04*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.79	34.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.00	37.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.35*	
		For Seal Class A, Add	*19.95*	
		For Work In Restricted Working Space, Add	*18.71*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	78.23	40.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*21.38*	
		For Work In Restricted Working Space, Add	*20.04*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	83.44	42.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.69*	
		For Seal Class A, Add	*22.80*	
		For Work In Restricted Working Space, Add	*21.38*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	88.66	45.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.36*	
		For Seal Class A, Add	*24.23*	
		For Work In Restricted Working Space, Add	*22.72*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.59	32.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.02*	
		For Seal Class A, Add	*17.10*	
		For Work In Restricted Working Space, Add	*16.04*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.79	34.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.37*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.00	37.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.35*	
		For Seal Class A, Add	*19.95*	
		For Work In Restricted Working Space, Add	*18.71*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	78.23	40.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*21.38*	
		For Work In Restricted Working Space, Add	*20.04*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	83.44	42.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.69*	
		For Seal Class A, Add	*22.80*	
		For Work In Restricted Working Space, Add	*21.38*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	88.66	45.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.36*	
		For Seal Class A, Add	*24.23*	
		For Work In Restricted Working Space, Add	*22.72*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	93.87	48.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.03*	
		For Seal Class A, Add	*25.65*	
		For Work In Restricted Working Space, Add	*24.05*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.00	37.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.35*	
		For Seal Class A, Add	*19.95*	
		For Work In Restricted Working Space, Add	*18.71*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	78.23	40.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*21.38*	
		For Work In Restricted Working Space, Add	*20.04*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	83.44	42.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.69*	
		For Seal Class A, Add	*22.80*	
		For Work In Restricted Working Space, Add	*21.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	88.66	45.44
		For Seal Class B, Add	*11.36*	
		For Seal Class A, Add	*24.23*	
		For Work In Restricted Working Space, Add	*22.72*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	93.87	48.10
		For Seal Class B, Add	*12.03*	
		For Seal Class A, Add	*25.65*	
		For Work In Restricted Working Space, Add	*24.05*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	99.10	50.77
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.08*	
		For Work In Restricted Working Space, Add	*25.39*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.44	42.75
		For Seal Class B, Add	*10.69*	
		For Seal Class A, Add	*22.80*	
		For Work In Restricted Working Space, Add	*21.38*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	88.66	45.44
		For Seal Class B, Add	*11.36*	
		For Seal Class A, Add	*24.23*	
		For Work In Restricted Working Space, Add	*22.72*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	93.87	48.10
		For Seal Class B, Add	*12.03*	
		For Seal Class A, Add	*25.65*	
		For Work In Restricted Working Space, Add	*24.05*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	99.10	50.77
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.08*	
		For Work In Restricted Working Space, Add	*25.39*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	104.31	53.45
		For Seal Class B, Add	*13.36*	
		For Seal Class A, Add	*28.50*	
		For Work In Restricted Working Space, Add	*26.72*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	93.87	48.10
		For Seal Class B, Add	*12.03*	
		For Seal Class A, Add	*25.65*	
		For Work In Restricted Working Space, Add	*24.05*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	99.10	50.77
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.08*	
		For Work In Restricted Working Space, Add	*25.39*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	104.31	53.45
		For Seal Class B, Add	*13.36*	
		For Seal Class A, Add	*28.50*	
		For Work In Restricted Working Space, Add	*26.72*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	109.52	56.12
		For Seal Class B, Add	*14.03*	
		For Seal Class A, Add	*29.93*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	104.31	53.45
		For Seal Class B, Add	*13.36*	
		For Seal Class A, Add	*28.50*	
		For Work In Restricted Working Space, Add	*26.72*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	109.52	56.12
		For Seal Class B, Add	*14.03*	
		For Seal Class A, Add	*29.93*	
		For Work In Restricted Working Space, Add	*28.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	114.72	58.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.70*	
		For Seal Class A, Add	*31.35*	
		For Work In Restricted Working Space, Add	*29.39*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	114.72	58.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.70*	
		For Seal Class A, Add	*31.35*	
		For Work In Restricted Working Space, Add	*29.39*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	119.96	61.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.36*	
		For Seal Class A, Add	*32.78*	
		For Work In Restricted Working Space, Add	*30.73*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	125.18	64.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.04*	
		For Seal Class A, Add	*34.21*	
		For Work In Restricted Working Space, Add	*32.07*	
23 31 13 13-0192		**24 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	31.54	16.59
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.15*	
		For Seal Class A, Add	*8.85*	
		For Work In Restricted Working Space, Add	*8.30*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	39.42	20.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.06*	
		For Work In Restricted Working Space, Add	*10.37*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.31	24.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	55.18	29.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	63.06	33.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	37.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	78.84	41.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.31	24.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	55.18	29.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.06	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.95	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	78.84	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.72	45.62
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.06	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.95	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	78.84	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.72	45.62
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.60	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.48	53.91
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	110.36	58.07
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.24	62.20
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.13	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	78.84	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	86.72	45.62
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	94.60	49.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	102.48	53.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	110.36	58.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	118.24	62.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	126.13	66.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	134.02	70.50
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.91	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	149.78	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	157.66	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	94.60	49.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	102.48	53.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	110.36	58.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	118.24	62.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.13	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	134.02	70.50
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.91	74.64
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	149.78	78.79
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.66	82.94
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	165.54	87.09
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	110.36	58.07
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.24	62.20
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.13	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	134.02	70.50
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.91	74.64
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	149.78	78.79
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.66	82.94
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	165.54	87.09
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.43	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	126.13	66.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	134.02	70.50
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.91	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	149.78	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	157.66	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.54	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.43	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	181.31	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.91	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	149.78	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	157.66	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.54	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.43	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	181.31	95.38
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.20	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.66	82.94
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	165.54	87.09
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.43	91.23
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	181.31	95.38
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.20	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.08	103.67
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.43	91.23
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	181.31	95.38
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.20	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.08	103.67
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.96	107.83
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.20	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.08	103.67
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.96	107.83
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.85	111.97
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.96	107.83
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.85	111.97
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	220.73	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	220.73	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.60	120.26
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	236.51	124.42
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0281		**22 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.38	16.59
		For Seal Class B, Add	*4.15*	
		For Seal Class A, Add	*8.85*	
		For Work In Restricted Working Space, Add	*8.30*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.47	20.73
		For Seal Class B, Add	*5.18*	
		For Seal Class A, Add	*11.06*	
		For Work In Restricted Working Space, Add	*10.37*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	48.57	24.88
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.65	29.03
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.74	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.84	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.94	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	48.57	24.88
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.65	29.03
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*15.48*	
		For Work In Restricted Working Space, Add	*14.51*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.74	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.84	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.94	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.03	45.62
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.74	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.84	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.94	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.03	45.62
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.12	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.21	53.91
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	113.31	58.07
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.40	62.20
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.49	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.94	41.48
		For Seal Class B, Add	*10.37*	
		For Seal Class A, Add	*22.12*	
		For Work In Restricted Working Space, Add	*20.74*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	89.03	45.62
		For Seal Class B, Add	*11.40*	
		For Seal Class A, Add	*24.33*	
		For Work In Restricted Working Space, Add	*22.81*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.12	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.21	53.91
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	113.31	58.07
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.40	62.20
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.49	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.59	70.50
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.69	74.64
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	153.77	78.79
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.87	82.94
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	169.96	87.09
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.12	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.21	53.91
		For Seal Class B, Add	*13.48*	
		For Seal Class A, Add	*28.75*	
		For Work In Restricted Working Space, Add	*26.96*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	113.31	58.07
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.40	62.20
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.49	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.59	70.50
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.69	74.64
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	153.77	78.79
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.87	82.94
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	169.96	87.09
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.05	91.23
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.14	95.38
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	113.31	58.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.96*	
		For Work In Restricted Working Space, Add	*29.03*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	121.40	62.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.55*	
		For Seal Class A, Add	*33.17*	
		For Work In Restricted Working Space, Add	*31.10*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	129.49	66.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	137.59	70.50
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	145.69	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.77	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.87	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	169.96	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.05	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.14	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.33	103.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	129.49	66.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	137.59	70.50
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.63*	
		For Seal Class A, Add	*37.60*	
		For Work In Restricted Working Space, Add	*35.25*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	145.69	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.77	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.87	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	169.96	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.05	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.14	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.33	103.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.43	107.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.52	111.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	226.61	116.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	234.69	120.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.81	124.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	145.69	74.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
		For Work In Restricted Working Space, Add	*37.33*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.77	78.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.70*	
		For Seal Class A, Add	*42.02*	
		For Work In Restricted Working Space, Add	*39.40*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.87	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	169.96	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.05	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.14	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.33	103.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.43	107.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.52	111.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	226.61	116.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	234.69	120.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.81	124.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	250.90	128.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	258.99	132.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.87	82.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	169.96	87.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.77*	
		For Seal Class A, Add	*46.44*	
		For Work In Restricted Working Space, Add	*43.54*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.05	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.14	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.33	103.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.43	107.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.52	111.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	226.61	116.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	234.69	120.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.81	124.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	250.90	128.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	258.99	132.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	267.08	136.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	275.17	141.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.05	91.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.81*	
		For Seal Class A, Add	*48.66*	
		For Work In Restricted Working Space, Add	*45.62*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.14	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.84*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	194.24	99.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.33	103.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.43	107.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.52	111.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	226.61	116.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	234.69	120.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.81	124.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	250.90	128.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	258.99	132.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	267.08	136.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	275.17	141.01
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.26	145.14
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	194.24	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.33	103.67
		For Seal Class B, Add	*25.92*	
		For Seal Class A, Add	*55.29*	
		For Work In Restricted Working Space, Add	*51.84*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.43	107.83
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.52	111.97
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	226.61	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	234.69	120.26
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.81	124.42
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.90	128.55
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.99	132.70
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	267.08	136.85
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	275.17	141.01
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.26	145.14
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	291.35	149.29
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.43	107.83
		For Seal Class B, Add	*26.96*	
		For Seal Class A, Add	*57.50*	
		For Work In Restricted Working Space, Add	*53.91*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.52	111.97
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
		For Work In Restricted Working Space, Add	*55.98*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	226.61	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	234.69	120.26
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.81	124.42
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.90	128.55
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.99	132.70
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	267.08	136.85
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	275.17	141.01
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.26	145.14
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	291.35	149.29
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	299.46	153.44
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	226.61	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	234.69	120.26
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*64.13*	
		For Work In Restricted Working Space, Add	*60.13*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.81	124.42
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.90	128.55
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.99	132.70
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	267.08	136.85
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	275.17	141.01
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.26	145.14
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	291.35	149.29
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	299.46	153.44
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	307.55	157.58
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.81	124.42
		For Seal Class B, Add	*31.10*	
		For Seal Class A, Add	*66.36*	
		For Work In Restricted Working Space, Add	*62.21*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.90	128.55
		For Seal Class B, Add	*32.14*	
		For Seal Class A, Add	*68.56*	
		For Work In Restricted Working Space, Add	*64.28*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.99	132.70
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	267.08	136.85
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	275.17	141.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.26	145.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	291.35	149.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	299.46	153.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	307.55	157.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	315.64	161.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.43*	
		For Seal Class A, Add	*86.26*	
		For Work In Restricted Working Space, Add	*80.87*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	258.99	132.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	267.08	136.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*72.99*	
		For Work In Restricted Working Space, Add	*68.42*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	275.17	141.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.26	145.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	291.35	149.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	299.46	153.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	307.55	157.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	315.64	161.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.43*	
		For Seal Class A, Add	*86.26*	
		For Work In Restricted Working Space, Add	*80.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.73	165.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	275.17	141.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.25*	
		For Seal Class A, Add	*75.20*	
		For Work In Restricted Working Space, Add	*70.50*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.26	145.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.29*	
		For Seal Class A, Add	*77.41*	
		For Work In Restricted Working Space, Add	*72.57*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	291.35	149.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	299.46	153.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	307.55	157.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	315.64	161.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.43*	
		For Seal Class A, Add	*86.26*	
		For Work In Restricted Working Space, Add	*80.87*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.73	165.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	331.82	170.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.51*	
		For Seal Class A, Add	*90.68*	
		For Work In Restricted Working Space, Add	*85.01*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	291.35	149.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	299.46	153.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.36*	
		For Seal Class A, Add	*81.83*	
		For Work In Restricted Working Space, Add	*76.72*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	307.55	157.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	315.64	161.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.43*	
		For Seal Class A, Add	*86.26*	
		For Work In Restricted Working Space, Add	*80.87*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.73	165.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	331.82	170.02
		For Seal Class B, Add	*42.51*	
		For Seal Class A, Add	*90.68*	
		For Work In Restricted Working Space, Add	*85.01*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.92	174.17
		For Seal Class B, Add	*43.54*	
		For Seal Class A, Add	*92.89*	
		For Work In Restricted Working Space, Add	*87.08*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	307.55	157.58
		For Seal Class B, Add	*39.40*	
		For Seal Class A, Add	*84.04*	
		For Work In Restricted Working Space, Add	*78.79*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	315.64	161.73
		For Seal Class B, Add	*40.43*	
		For Seal Class A, Add	*86.26*	
		For Work In Restricted Working Space, Add	*80.87*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.73	165.88
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	331.82	170.02
		For Seal Class B, Add	*42.51*	
		For Seal Class A, Add	*90.68*	
		For Work In Restricted Working Space, Add	*85.01*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.92	174.17
		For Seal Class B, Add	*43.54*	
		For Seal Class A, Add	*92.89*	
		For Work In Restricted Working Space, Add	*87.08*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	348.03	178.32
		For Seal Class B, Add	*44.58*	
		For Seal Class A, Add	*95.11*	
		For Work In Restricted Working Space, Add	*89.16*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.11	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.32*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.73	165.88
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	331.82	170.02
		For Seal Class B, Add	*42.51*	
		For Seal Class A, Add	*90.68*	
		For Work In Restricted Working Space, Add	*85.01*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.92	174.17
		For Seal Class B, Add	*43.54*	
		For Seal Class A, Add	*92.89*	
		For Work In Restricted Working Space, Add	*87.08*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	348.03	178.32
		For Seal Class B, Add	*44.58*	
		For Seal Class A, Add	*95.11*	
		For Work In Restricted Working Space, Add	*89.16*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.11	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.32*	
		For Work In Restricted Working Space, Add	*91.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	364.20	186.61
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.29	190.77
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.74*	
		For Work In Restricted Working Space, Add	*95.38*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.38	194.90
		For Seal Class B, Add	*48.73*	
		For Seal Class A, Add	*103.95*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.92	174.17
		For Seal Class B, Add	*43.54*	
		For Seal Class A, Add	*92.89*	
		For Work In Restricted Working Space, Add	*87.08*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	348.03	178.32
		For Seal Class B, Add	*44.58*	
		For Seal Class A, Add	*95.11*	
		For Work In Restricted Working Space, Add	*89.16*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.11	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.32*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	364.20	186.61
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.29	190.77
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.74*	
		For Work In Restricted Working Space, Add	*95.38*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.38	194.90
		For Seal Class B, Add	*48.73*	
		For Seal Class A, Add	*103.95*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	388.48	199.05
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.53*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.11	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.32*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	364.20	186.61
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.29	190.77
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.74*	
		For Work In Restricted Working Space, Add	*95.38*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.38	194.90
		For Seal Class B, Add	*48.73*	
		For Seal Class A, Add	*103.95*	
		For Work In Restricted Working Space, Add	*97.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	388.48	199.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.53*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	396.57	203.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.80*	
		For Seal Class A, Add	*108.37*	
		For Work In Restricted Working Space, Add	*101.60*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.29	190.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.74*	
		For Work In Restricted Working Space, Add	*95.38*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	380.38	194.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.73*	
		For Seal Class A, Add	*103.95*	
		For Work In Restricted Working Space, Add	*97.45*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	388.48	199.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.53*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	396.57	203.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.80*	
		For Seal Class A, Add	*108.37*	
		For Work In Restricted Working Space, Add	*101.60*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.67	207.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.84*	
		For Seal Class A, Add	*110.59*	
		For Work In Restricted Working Space, Add	*103.67*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	388.48	199.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.53*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	396.57	203.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.80*	
		For Seal Class A, Add	*108.37*	
		For Work In Restricted Working Space, Add	*101.60*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.67	207.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.84*	
		For Seal Class A, Add	*110.59*	
		For Work In Restricted Working Space, Add	*103.67*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	412.76	211.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.87*	
		For Seal Class A, Add	*112.80*	
		For Work In Restricted Working Space, Add	*105.75*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.67	207.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.84*	
		For Seal Class A, Add	*110.59*	
		For Work In Restricted Working Space, Add	*103.67*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	412.76	211.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.87*	
		For Seal Class A, Add	*112.80*	
		For Work In Restricted Working Space, Add	*105.75*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	420.85	215.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.01*	
		For Work In Restricted Working Space, Add	*107.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	420.85	215.64
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.01*	
		For Work In Restricted Working Space, Add	*107.82*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	428.96	219.79
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.22*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	437.04	223.93
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.43*	
		For Work In Restricted Working Space, Add	*111.97*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.12	19.54
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*10.42*	
		For Work In Restricted Working Space, Add	*9.77*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.67	24.42
		For Seal Class B, Add	*6.11*	
		For Seal Class A, Add	*13.03*	
		For Work In Restricted Working Space, Add	*12.21*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.20	29.31
		For Seal Class B, Add	*7.33*	
		For Seal Class A, Add	*15.63*	
		For Work In Restricted Working Space, Add	*14.65*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.71	34.18
		For Seal Class B, Add	*8.55*	
		For Seal Class A, Add	*18.23*	
		For Work In Restricted Working Space, Add	*17.09*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	76.26	39.07
		For Seal Class B, Add	*9.77*	
		For Seal Class A, Add	*20.84*	
		For Work In Restricted Working Space, Add	*19.54*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.80	43.95
		For Seal Class B, Add	*10.99*	
		For Seal Class A, Add	*23.44*	
		For Work In Restricted Working Space, Add	*21.98*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	95.32	48.84
		For Seal Class B, Add	*12.21*	
		For Seal Class A, Add	*26.05*	
		For Work In Restricted Working Space, Add	*24.42*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.20	29.31
		For Seal Class B, Add	*7.33*	
		For Seal Class A, Add	*15.63*	
		For Work In Restricted Working Space, Add	*14.65*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.71	34.18
		For Seal Class B, Add	*8.55*	
		For Seal Class A, Add	*18.23*	
		For Work In Restricted Working Space, Add	*17.09*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	76.26	39.07
		For Seal Class B, Add	*9.77*	
		For Seal Class A, Add	*20.84*	
		For Work In Restricted Working Space, Add	*19.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	85.80	43.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.99*	
		For Seal Class A, Add	*23.44*	
		For Work In Restricted Working Space, Add	*21.98*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	95.32	48.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.21*	
		For Seal Class A, Add	*26.05*	
		For Work In Restricted Working Space, Add	*24.42*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	104.87	53.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.66*	
		For Work In Restricted Working Space, Add	*26.87*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	76.26	39.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.77*	
		For Seal Class A, Add	*20.84*	
		For Work In Restricted Working Space, Add	*19.54*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	85.80	43.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.99*	
		For Seal Class A, Add	*23.44*	
		For Work In Restricted Working Space, Add	*21.98*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	95.32	48.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.21*	
		For Seal Class A, Add	*26.05*	
		For Work In Restricted Working Space, Add	*24.42*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	104.87	53.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.66*	
		For Work In Restricted Working Space, Add	*26.87*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	114.38	58.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.65*	
		For Seal Class A, Add	*31.26*	
		For Work In Restricted Working Space, Add	*29.31*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	123.91	63.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.87*	
		For Seal Class A, Add	*33.86*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	133.47	68.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.10*	
		For Seal Class A, Add	*36.47*	
		For Work In Restricted Working Space, Add	*34.19*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	142.97	73.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.32*	
		For Seal Class A, Add	*39.07*	
		For Work In Restricted Working Space, Add	*36.63*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.52	78.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.54*	
		For Seal Class A, Add	*41.68*	
		For Work In Restricted Working Space, Add	*39.08*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	95.32	48.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.21*	
		For Seal Class A, Add	*26.05*	
		For Work In Restricted Working Space, Add	*24.42*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	104.87	53.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.66*	
		For Work In Restricted Working Space, Add	*26.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	114.38	58.61
		For Seal Class B, Add	*14.65*	
		For Seal Class A, Add	*31.26*	
		For Work In Restricted Working Space, Add	*29.31*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	123.91	63.49
		For Seal Class B, Add	*15.87*	
		For Seal Class A, Add	*33.86*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.47	68.38
		For Seal Class B, Add	*17.10*	
		For Seal Class A, Add	*36.47*	
		For Work In Restricted Working Space, Add	*34.19*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	142.97	73.26
		For Seal Class B, Add	*18.32*	
		For Seal Class A, Add	*39.07*	
		For Work In Restricted Working Space, Add	*36.63*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.52	78.15
		For Seal Class B, Add	*19.54*	
		For Seal Class A, Add	*41.68*	
		For Work In Restricted Working Space, Add	*39.08*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.07	83.03
		For Seal Class B, Add	*20.76*	
		For Seal Class A, Add	*44.28*	
		For Work In Restricted Working Space, Add	*41.52*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.58	87.92
		For Seal Class B, Add	*21.98*	
		For Seal Class A, Add	*46.89*	
		For Work In Restricted Working Space, Add	*43.96*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	181.12	92.80
		For Seal Class B, Add	*23.20*	
		For Seal Class A, Add	*49.49*	
		For Work In Restricted Working Space, Add	*46.40*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	190.64	97.69
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	200.18	102.56
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	114.38	58.61
		For Seal Class B, Add	*14.65*	
		For Seal Class A, Add	*31.26*	
		For Work In Restricted Working Space, Add	*29.31*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	123.91	63.49
		For Seal Class B, Add	*15.87*	
		For Seal Class A, Add	*33.86*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.47	68.38
		For Seal Class B, Add	*17.10*	
		For Seal Class A, Add	*36.47*	
		For Work In Restricted Working Space, Add	*34.19*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	142.97	73.26
		For Seal Class B, Add	*18.32*	
		For Seal Class A, Add	*39.07*	
		For Work In Restricted Working Space, Add	*36.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.52	78.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.54*	
		For Seal Class A, Add	*41.68*	
		For Work In Restricted Working Space, Add	*39.08*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	162.07	83.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.76*	
		For Seal Class A, Add	*44.28*	
		For Work In Restricted Working Space, Add	*41.52*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	171.58	87.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.98*	
		For Seal Class A, Add	*46.89*	
		For Work In Restricted Working Space, Add	*43.96*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	181.12	92.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.20*	
		For Seal Class A, Add	*49.49*	
		For Work In Restricted Working Space, Add	*46.40*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	190.64	97.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	200.18	102.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	209.72	107.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.24	112.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	228.78	117.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	133.47	68.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.10*	
		For Seal Class A, Add	*36.47*	
		For Work In Restricted Working Space, Add	*34.19*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	142.97	73.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.32*	
		For Seal Class A, Add	*39.07*	
		For Work In Restricted Working Space, Add	*36.63*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.52	78.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.54*	
		For Seal Class A, Add	*41.68*	
		For Work In Restricted Working Space, Add	*39.08*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	162.07	83.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.76*	
		For Seal Class A, Add	*44.28*	
		For Work In Restricted Working Space, Add	*41.52*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	171.58	87.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.98*	
		For Seal Class A, Add	*46.89*	
		For Work In Restricted Working Space, Add	*43.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	181.12	92.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.20*	
		For Seal Class A, Add	*49.49*	
		For Work In Restricted Working Space, Add	*46.40*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	190.64	97.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	200.18	102.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	209.72	107.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.24	112.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	228.78	117.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	238.31	122.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.52	78.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.54*	
		For Seal Class A, Add	*41.68*	
		For Work In Restricted Working Space, Add	*39.08*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	162.07	83.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.76*	
		For Seal Class A, Add	*44.28*	
		For Work In Restricted Working Space, Add	*41.52*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	171.58	87.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.98*	
		For Seal Class A, Add	*46.89*	
		For Work In Restricted Working Space, Add	*43.96*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	181.12	92.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.20*	
		For Seal Class A, Add	*49.49*	
		For Work In Restricted Working Space, Add	*46.40*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	190.64	97.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	200.18	102.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	209.72	107.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.24	112.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	228.78	117.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	238.31	122.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	247.84	126.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.38	131.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.90	136.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	276.44	141.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.99	146.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	171.58	87.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.98*	
		For Seal Class A, Add	*46.89*	
		For Work In Restricted Working Space, Add	*43.96*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	181.12	92.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.20*	
		For Seal Class A, Add	*49.49*	
		For Work In Restricted Working Space, Add	*46.40*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	190.64	97.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	200.18	102.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	209.72	107.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.24	112.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.78	117.22
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.31	122.10
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	247.84	126.99
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.38	131.87
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.90	136.76
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	276.44	141.64
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	285.99	146.53
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	295.51	151.41
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	190.64	97.69
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.10*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	200.18	102.56
		For Seal Class B, Add	*25.64*	
		For Seal Class A, Add	*54.70*	
		For Work In Restricted Working Space, Add	*51.29*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	209.72	107.46
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.24	112.33
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.78	117.22
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	238.31	122.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	247.84	126.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.38	131.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.90	136.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	276.44	141.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.99	146.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	295.51	151.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	305.05	156.30
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	314.55	161.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	324.11	166.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	209.72	107.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.86*	
		For Seal Class A, Add	*57.31*	
		For Work In Restricted Working Space, Add	*53.73*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.24	112.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.08*	
		For Seal Class A, Add	*59.91*	
		For Work In Restricted Working Space, Add	*56.17*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	228.78	117.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	238.31	122.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	247.84	126.99
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.38	131.87
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.90	136.76
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	276.44	141.64
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	285.99	146.53
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	295.51	151.41
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.55	161.18
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.78	117.22
		For Seal Class B, Add	*29.31*	
		For Seal Class A, Add	*62.52*	
		For Work In Restricted Working Space, Add	*58.61*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.31	122.10
		For Seal Class B, Add	*30.53*	
		For Seal Class A, Add	*65.13*	
		For Work In Restricted Working Space, Add	*61.06*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	247.84	126.99
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.38	131.87
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.90	136.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	276.44	141.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.99	146.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	295.51	151.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	305.05	156.30
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	314.55	161.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	324.11	166.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	333.64	170.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	343.15	175.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	247.84	126.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.75*	
		For Seal Class A, Add	*67.73*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.38	131.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.97*	
		For Seal Class A, Add	*70.33*	
		For Work In Restricted Working Space, Add	*65.94*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.90	136.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	276.44	141.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.99	146.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	295.51	151.41
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.55	161.18
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.15	175.84
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	352.71	180.71
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.90	136.76
		For Seal Class B, Add	*34.19*	
		For Seal Class A, Add	*72.94*	
		For Work In Restricted Working Space, Add	*68.38*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	276.44	141.64
		For Seal Class B, Add	*35.41*	
		For Seal Class A, Add	*75.54*	
		For Work In Restricted Working Space, Add	*70.82*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	285.99	146.53
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	295.51	151.41
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.55	161.18
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.15	175.84
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	352.71	180.71
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.22	185.60
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	285.99	146.53
		For Seal Class B, Add	*36.63*	
		For Seal Class A, Add	*78.15*	
		For Work In Restricted Working Space, Add	*73.27*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	295.51	151.41
		For Seal Class B, Add	*37.85*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.71*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.55	161.18
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.15	175.84
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	352.71	180.71
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.22	185.60
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	371.75	190.48
		For Seal Class B, Add	*47.62*	
		For Seal Class A, Add	*101.59*	
		For Work In Restricted Working Space, Add	*95.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	305.05	156.30
		For Seal Class B, Add	*39.08*	
		For Seal Class A, Add	*83.36*	
		For Work In Restricted Working Space, Add	*78.15*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.55	161.18
		For Seal Class B, Add	*40.29*	
		For Seal Class A, Add	*85.96*	
		For Work In Restricted Working Space, Add	*80.59*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.15	175.84
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	352.71	180.71
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.22	185.60
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	371.75	190.48
		For Seal Class B, Add	*47.62*	
		For Seal Class A, Add	*101.59*	
		For Work In Restricted Working Space, Add	*95.24*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.30	195.37
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.20*	
		For Work In Restricted Working Space, Add	*97.69*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.11	166.07
		For Seal Class B, Add	*41.52*	
		For Seal Class A, Add	*88.57*	
		For Work In Restricted Working Space, Add	*83.03*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	333.64	170.95
		For Seal Class B, Add	*42.74*	
		For Seal Class A, Add	*91.17*	
		For Work In Restricted Working Space, Add	*85.47*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.15	175.84
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	352.71	180.71
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.22	185.60
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	371.75	190.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.62*	
		For Seal Class A, Add	*101.59*	
		For Work In Restricted Working Space, Add	*95.24*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.30	195.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.20*	
		For Work In Restricted Working Space, Add	*97.69*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.82	200.25
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.06*	
		For Seal Class A, Add	*106.80*	
		For Work In Restricted Working Space, Add	*100.13*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	343.15	175.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.96*	
		For Seal Class A, Add	*93.78*	
		For Work In Restricted Working Space, Add	*87.92*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	352.71	180.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.18*	
		For Seal Class A, Add	*96.38*	
		For Work In Restricted Working Space, Add	*90.36*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	362.22	185.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	371.75	190.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.62*	
		For Seal Class A, Add	*101.59*	
		For Work In Restricted Working Space, Add	*95.24*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.30	195.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.20*	
		For Work In Restricted Working Space, Add	*97.69*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.82	200.25
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.06*	
		For Seal Class A, Add	*106.80*	
		For Work In Restricted Working Space, Add	*100.13*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	400.35	205.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.28*	
		For Seal Class A, Add	*109.40*	
		For Work In Restricted Working Space, Add	*102.57*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	362.22	185.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.40*	
		For Seal Class A, Add	*98.99*	
		For Work In Restricted Working Space, Add	*92.80*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	371.75	190.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.62*	
		For Seal Class A, Add	*101.59*	
		For Work In Restricted Working Space, Add	*95.24*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.30	195.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.20*	
		For Work In Restricted Working Space, Add	*97.69*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.82	200.25
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.06*	
		For Seal Class A, Add	*106.80*	
		For Work In Restricted Working Space, Add	*100.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.35	205.14
		For Seal Class B, Add	*51.28*	
		For Seal Class A, Add	*109.40*	
		For Work In Restricted Working Space, Add	*102.57*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.91	210.02
		For Seal Class B, Add	*52.51*	
		For Seal Class A, Add	*112.02*	
		For Work In Restricted Working Space, Add	*105.02*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	419.42	214.91
		For Seal Class B, Add	*53.73*	
		For Seal Class A, Add	*114.62*	
		For Work In Restricted Working Space, Add	*107.45*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.30	195.37
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.20*	
		For Work In Restricted Working Space, Add	*97.69*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.82	200.25
		For Seal Class B, Add	*50.06*	
		For Seal Class A, Add	*106.80*	
		For Work In Restricted Working Space, Add	*100.13*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.35	205.14
		For Seal Class B, Add	*51.28*	
		For Seal Class A, Add	*109.40*	
		For Work In Restricted Working Space, Add	*102.57*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.91	210.02
		For Seal Class B, Add	*52.51*	
		For Seal Class A, Add	*112.02*	
		For Work In Restricted Working Space, Add	*105.02*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	419.42	214.91
		For Seal Class B, Add	*53.73*	
		For Seal Class A, Add	*114.62*	
		For Work In Restricted Working Space, Add	*107.45*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	428.97	219.79
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	438.48	224.68
		For Seal Class B, Add	*56.17*	
		For Seal Class A, Add	*119.83*	
		For Work In Restricted Working Space, Add	*112.34*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	448.02	229.56
		For Seal Class B, Add	*57.39*	
		For Seal Class A, Add	*122.43*	
		For Work In Restricted Working Space, Add	*114.78*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	457.56	234.45
		For Seal Class B, Add	*58.61*	
		For Seal Class A, Add	*125.04*	
		For Work In Restricted Working Space, Add	*117.22*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.35	205.14
		For Seal Class B, Add	*51.28*	
		For Seal Class A, Add	*109.40*	
		For Work In Restricted Working Space, Add	*102.57*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.91	210.02
		For Seal Class B, Add	*52.51*	
		For Seal Class A, Add	*112.02*	
		For Work In Restricted Working Space, Add	*105.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	419.42	214.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.73*	
		For Seal Class A, Add	*114.62*	
		For Work In Restricted Working Space, Add	*107.45*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	428.97	219.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.48	224.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.17*	
		For Seal Class A, Add	*119.83*	
		For Work In Restricted Working Space, Add	*112.34*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	448.02	229.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.39*	
		For Seal Class A, Add	*122.43*	
		For Work In Restricted Working Space, Add	*114.78*	
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	457.56	234.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.61*	
		For Seal Class A, Add	*125.04*	
		For Work In Restricted Working Space, Add	*117.22*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	467.08	239.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.83*	
		For Seal Class A, Add	*127.64*	
		For Work In Restricted Working Space, Add	*119.66*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	419.42	214.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.73*	
		For Seal Class A, Add	*114.62*	
		For Work In Restricted Working Space, Add	*107.45*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	428.97	219.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.48	224.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.17*	
		For Seal Class A, Add	*119.83*	
		For Work In Restricted Working Space, Add	*112.34*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	448.02	229.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.39*	
		For Seal Class A, Add	*122.43*	
		For Work In Restricted Working Space, Add	*114.78*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	457.56	234.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.61*	
		For Seal Class A, Add	*125.04*	
		For Work In Restricted Working Space, Add	*117.22*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	467.08	239.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.83*	
		For Seal Class A, Add	*127.64*	
		For Work In Restricted Working Space, Add	*119.66*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	476.63	244.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.05*	
		For Seal Class A, Add	*130.25*	
		For Work In Restricted Working Space, Add	*122.11*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.48	224.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.17*	
		For Seal Class A, Add	*119.83*	
		For Work In Restricted Working Space, Add	*112.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	448.02	229.56
		For Seal Class B, Add	*57.39*	
		For Seal Class A, Add	*122.43*	
		For Work In Restricted Working Space, Add	*114.78*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	457.56	234.45
		For Seal Class B, Add	*58.61*	
		For Seal Class A, Add	*125.04*	
		For Work In Restricted Working Space, Add	*117.22*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	467.08	239.33
		For Seal Class B, Add	*59.83*	
		For Seal Class A, Add	*127.64*	
		For Work In Restricted Working Space, Add	*119.66*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	476.63	244.22
		For Seal Class B, Add	*61.05*	
		For Seal Class A, Add	*130.25*	
		For Work In Restricted Working Space, Add	*122.11*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	494.31	253.98
		For Seal Class B, Add	*63.50*	
		For Seal Class A, Add	*135.46*	
		For Work In Restricted Working Space, Add	*126.99*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	503.82	258.86
		For Seal Class B, Add	*64.72*	
		For Seal Class A, Add	*138.06*	
		For Work In Restricted Working Space, Add	*129.43*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	457.56	234.45
		For Seal Class B, Add	*58.61*	
		For Seal Class A, Add	*125.04*	
		For Work In Restricted Working Space, Add	*117.22*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	467.08	239.33
		For Seal Class B, Add	*59.83*	
		For Seal Class A, Add	*127.64*	
		For Work In Restricted Working Space, Add	*119.66*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	476.63	244.22
		For Seal Class B, Add	*61.05*	
		For Seal Class A, Add	*130.25*	
		For Work In Restricted Working Space, Add	*122.11*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	486.17	249.09
		For Seal Class B, Add	*62.28*	
		For Seal Class A, Add	*132.85*	
		For Work In Restricted Working Space, Add	*124.55*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	495.69	253.98
		For Seal Class B, Add	*63.50*	
		For Seal Class A, Add	*135.46*	
		For Work In Restricted Working Space, Add	*126.99*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	505.22	258.86
		For Seal Class B, Add	*64.72*	
		For Seal Class A, Add	*138.06*	
		For Work In Restricted Working Space, Add	*129.43*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.74	263.75
		For Seal Class B, Add	*65.94*	
		For Seal Class A, Add	*140.67*	
		For Work In Restricted Working Space, Add	*131.88*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	476.63	244.22
		For Seal Class B, Add	*61.05*	
		For Seal Class A, Add	*130.25*	
		For Work In Restricted Working Space, Add	*122.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	486.17	249.09
		For Seal Class B, Add	*62.28*	
		For Seal Class A, Add	*132.85*	
		For Work In Restricted Working Space, Add	*124.55*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	495.69	253.98
		For Seal Class B, Add	*63.50*	
		For Seal Class A, Add	*135.46*	
		For Work In Restricted Working Space, Add	*126.99*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	505.22	258.86
		For Seal Class B, Add	*64.72*	
		For Seal Class A, Add	*138.06*	
		For Work In Restricted Working Space, Add	*129.43*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.74	263.75
		For Seal Class B, Add	*65.94*	
		For Seal Class A, Add	*140.67*	
		For Work In Restricted Working Space, Add	*131.88*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	524.28	268.63
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.27*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	495.69	253.98
		For Seal Class B, Add	*63.50*	
		For Seal Class A, Add	*135.46*	
		For Work In Restricted Working Space, Add	*126.99*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	505.22	258.86
		For Seal Class B, Add	*64.72*	
		For Seal Class A, Add	*138.06*	
		For Work In Restricted Working Space, Add	*129.43*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.74	263.75
		For Seal Class B, Add	*65.94*	
		For Seal Class A, Add	*140.67*	
		For Work In Restricted Working Space, Add	*131.88*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	524.28	268.63
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.27*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	533.83	273.52
		For Seal Class B, Add	*68.38*	
		For Seal Class A, Add	*145.88*	
		For Work In Restricted Working Space, Add	*136.76*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.74	263.75
		For Seal Class B, Add	*65.94*	
		For Seal Class A, Add	*140.67*	
		For Work In Restricted Working Space, Add	*131.88*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	524.28	268.63
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.27*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	533.83	273.52
		For Seal Class B, Add	*68.38*	
		For Seal Class A, Add	*145.88*	
		For Work In Restricted Working Space, Add	*136.76*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	543.34	278.40
		For Seal Class B, Add	*69.60*	
		For Seal Class A, Add	*148.48*	
		For Work In Restricted Working Space, Add	*139.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	552.89	283.28
		For Seal Class B, Add	*70.82*	
		For Seal Class A, Add	*151.09*	
		For Work In Restricted Working Space, Add	*141.65*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	562.39	288.17
		For Seal Class B, Add	*72.04*	
		For Seal Class A, Add	*153.69*	
		For Work In Restricted Working Space, Add	*144.08*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	533.83	273.52
		For Seal Class B, Add	*68.38*	
		For Seal Class A, Add	*145.88*	
		For Work In Restricted Working Space, Add	*136.76*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	543.34	278.40
		For Seal Class B, Add	*69.60*	
		For Seal Class A, Add	*148.48*	
		For Work In Restricted Working Space, Add	*139.20*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	552.89	283.28
		For Seal Class B, Add	*70.82*	
		For Seal Class A, Add	*151.09*	
		For Work In Restricted Working Space, Add	*141.65*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	562.39	288.17
		For Seal Class B, Add	*72.04*	
		For Seal Class A, Add	*153.69*	
		For Work In Restricted Working Space, Add	*144.08*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	571.94	293.05
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.30*	
		For Work In Restricted Working Space, Add	*146.53*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	552.89	283.28
		For Seal Class B, Add	*70.82*	
		For Seal Class A, Add	*151.09*	
		For Work In Restricted Working Space, Add	*141.65*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	562.39	288.17
		For Seal Class B, Add	*72.04*	
		For Seal Class A, Add	*153.69*	
		For Work In Restricted Working Space, Add	*144.08*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	571.94	293.05
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.30*	
		For Work In Restricted Working Space, Add	*146.53*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	581.49	297.94
		For Seal Class B, Add	*74.49*	
		For Seal Class A, Add	*158.90*	
		For Work In Restricted Working Space, Add	*148.97*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	590.99	302.82
		For Seal Class B, Add	*75.71*	
		For Seal Class A, Add	*161.50*	
		For Work In Restricted Working Space, Add	*151.41*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	571.94	293.05
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.30*	
		For Work In Restricted Working Space, Add	*146.53*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	581.49	297.94
		For Seal Class B, Add	*74.49*	
		For Seal Class A, Add	*158.90*	
		For Work In Restricted Working Space, Add	*148.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	590.99	302.82
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*75.71*	
		For Seal Class A, Add	*161.50*	
		For Work In Restricted Working Space, Add	*151.41*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	600.55	307.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*76.93*	
		For Seal Class A, Add	*164.12*	
		For Work In Restricted Working Space, Add	*153.86*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	610.09	312.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*78.15*	
		For Seal Class A, Add	*166.72*	
		For Work In Restricted Working Space, Add	*156.30*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	590.99	302.82
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*75.71*	
		For Seal Class A, Add	*161.50*	
		For Work In Restricted Working Space, Add	*151.41*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	600.55	307.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*76.93*	
		For Seal Class A, Add	*164.12*	
		For Work In Restricted Working Space, Add	*153.86*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	610.09	312.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*78.15*	
		For Seal Class A, Add	*166.72*	
		For Work In Restricted Working Space, Add	*156.30*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	619.60	317.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*79.37*	
		For Seal Class A, Add	*169.32*	
		For Work In Restricted Working Space, Add	*158.74*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	629.14	322.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*80.59*	
		For Seal Class A, Add	*171.93*	
		For Work In Restricted Working Space, Add	*161.18*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	610.09	312.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*78.15*	
		For Seal Class A, Add	*166.72*	
		For Work In Restricted Working Space, Add	*156.30*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	619.60	317.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*79.37*	
		For Seal Class A, Add	*169.32*	
		For Work In Restricted Working Space, Add	*158.74*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	629.14	322.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*80.59*	
		For Seal Class A, Add	*171.93*	
		For Work In Restricted Working Space, Add	*161.18*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	638.66	327.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*81.81*	
		For Seal Class A, Add	*174.53*	
		For Work In Restricted Working Space, Add	*163.62*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	629.14	322.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*80.59*	
		For Seal Class A, Add	*171.93*	
		For Work In Restricted Working Space, Add	*161.18*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	638.66	327.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*81.81*	
		For Seal Class A, Add	*174.53*	
		For Work In Restricted Working Space, Add	*163.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	648.19	332.12
		For Seal Class B, Add	*83.03*	
		For Seal Class A, Add	*177.13*	
		For Work In Restricted Working Space, Add	*166.06*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	657.74	337.02
		For Seal Class B, Add	*84.25*	
		For Seal Class A, Add	*179.74*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	648.19	332.12
		For Seal Class B, Add	*83.03*	
		For Seal Class A, Add	*177.13*	
		For Work In Restricted Working Space, Add	*166.06*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	657.74	337.02
		For Seal Class B, Add	*84.25*	
		For Seal Class A, Add	*179.74*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	667.27	341.89
		For Seal Class B, Add	*85.48*	
		For Seal Class A, Add	*182.35*	
		For Work In Restricted Working Space, Add	*170.95*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	676.81	346.79
		For Seal Class B, Add	*86.70*	
		For Seal Class A, Add	*184.95*	
		For Work In Restricted Working Space, Add	*173.39*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	667.27	341.89
		For Seal Class B, Add	*85.48*	
		For Seal Class A, Add	*182.35*	
		For Work In Restricted Working Space, Add	*170.95*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	676.81	346.79
		For Seal Class B, Add	*86.70*	
		For Seal Class A, Add	*184.95*	
		For Work In Restricted Working Space, Add	*173.39*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	686.35	351.67
		For Seal Class B, Add	*87.92*	
		For Seal Class A, Add	*187.56*	
		For Work In Restricted Working Space, Add	*175.84*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	695.86	356.56
		For Seal Class B, Add	*89.14*	
		For Seal Class A, Add	*190.16*	
		For Work In Restricted Working Space, Add	*178.28*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	705.41	361.44
		For Seal Class B, Add	*90.36*	
		For Seal Class A, Add	*192.77*	
		For Work In Restricted Working Space, Add	*180.72*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	714.92	366.33
		For Seal Class B, Add	*91.58*	
		For Seal Class A, Add	*195.37*	
		For Work In Restricted Working Space, Add	*183.16*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	724.47	371.21
		For Seal Class B, Add	*92.80*	
		For Seal Class A, Add	*197.98*	
		For Work In Restricted Working Space, Add	*185.60*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	734.01	376.10
		For Seal Class B, Add	*94.02*	
		For Seal Class A, Add	*200.58*	
		For Work In Restricted Working Space, Add	*188.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	686.35	351.67
		For Seal Class B, Add	*87.92*	
		For Seal Class A, Add	*187.56*	
		For Work In Restricted Working Space, Add	*175.84*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	695.86	356.56
		For Seal Class B, Add	*89.14*	
		For Seal Class A, Add	*190.16*	
		For Work In Restricted Working Space, Add	*178.28*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	705.41	361.44
		For Seal Class B, Add	*90.36*	
		For Seal Class A, Add	*192.77*	
		For Work In Restricted Working Space, Add	*180.72*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	714.92	366.33
		For Seal Class B, Add	*91.58*	
		For Seal Class A, Add	*195.37*	
		For Work In Restricted Working Space, Add	*183.16*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	724.47	371.21
		For Seal Class B, Add	*92.80*	
		For Seal Class A, Add	*197.98*	
		For Work In Restricted Working Space, Add	*185.60*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	734.01	376.10
		For Seal Class B, Add	*94.02*	
		For Seal Class A, Add	*200.58*	
		For Work In Restricted Working Space, Add	*188.05*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	743.53	380.97
		For Seal Class B, Add	*95.24*	
		For Seal Class A, Add	*203.19*	
		For Work In Restricted Working Space, Add	*190.49*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	705.41	361.44
		For Seal Class B, Add	*90.36*	
		For Seal Class A, Add	*192.77*	
		For Work In Restricted Working Space, Add	*180.72*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	714.92	366.33
		For Seal Class B, Add	*91.58*	
		For Seal Class A, Add	*195.37*	
		For Work In Restricted Working Space, Add	*183.16*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	724.47	371.21
		For Seal Class B, Add	*92.80*	
		For Seal Class A, Add	*197.98*	
		For Work In Restricted Working Space, Add	*185.60*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	734.01	376.10
		For Seal Class B, Add	*94.02*	
		For Seal Class A, Add	*200.58*	
		For Work In Restricted Working Space, Add	*188.05*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	743.53	380.97
		For Seal Class B, Add	*95.24*	
		For Seal Class A, Add	*203.19*	
		For Work In Restricted Working Space, Add	*190.49*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	753.06	385.87
		For Seal Class B, Add	*96.46*	
		For Seal Class A, Add	*205.79*	
		For Work In Restricted Working Space, Add	*192.93*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	724.47	371.21
		For Seal Class B, Add	*92.80*	
		For Seal Class A, Add	*197.98*	
		For Work In Restricted Working Space, Add	*185.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	734.01	376.10
		For Seal Class B, Add	*94.02*	
		For Seal Class A, Add	*200.58*	
		For Work In Restricted Working Space, Add	*188.05*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	743.53	380.97
		For Seal Class B, Add	*95.24*	
		For Seal Class A, Add	*203.19*	
		For Work In Restricted Working Space, Add	*190.49*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	753.06	385.87
		For Seal Class B, Add	*96.46*	
		For Seal Class A, Add	*205.79*	
		For Work In Restricted Working Space, Add	*192.93*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	762.58	390.74
		For Seal Class B, Add	*97.69*	
		For Seal Class A, Add	*208.40*	
		For Work In Restricted Working Space, Add	*195.37*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	743.53	380.97
		For Seal Class B, Add	*95.24*	
		For Seal Class A, Add	*203.19*	
		For Work In Restricted Working Space, Add	*190.49*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	753.06	385.87
		For Seal Class B, Add	*96.46*	
		For Seal Class A, Add	*205.79*	
		For Work In Restricted Working Space, Add	*192.93*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	762.58	390.74
		For Seal Class B, Add	*97.69*	
		For Seal Class A, Add	*208.40*	
		For Work In Restricted Working Space, Add	*195.37*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	772.12	395.63
		For Seal Class B, Add	*98.91*	
		For Seal Class A, Add	*211.00*	
		For Work In Restricted Working Space, Add	*197.81*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	762.58	390.74
		For Seal Class B, Add	*97.69*	
		For Seal Class A, Add	*208.40*	
		For Work In Restricted Working Space, Add	*195.37*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	772.12	395.63
		For Seal Class B, Add	*98.91*	
		For Seal Class A, Add	*211.00*	
		For Work In Restricted Working Space, Add	*197.81*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	781.66	400.51
		For Seal Class B, Add	*100.13*	
		For Seal Class A, Add	*213.60*	
		For Work In Restricted Working Space, Add	*200.25*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	781.66	400.51
		For Seal Class B, Add	*100.13*	
		For Seal Class A, Add	*213.60*	
		For Work In Restricted Working Space, Add	*200.25*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	791.19	405.40
		For Seal Class B, Add	*101.35*	
		For Seal Class A, Add	*216.21*	
		For Work In Restricted Working Space, Add	*202.70*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	800.72	410.28
		For Seal Class B, Add	*102.57*	
		For Seal Class A, Add	*218.82*	
		For Work In Restricted Working Space, Add	*205.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0832		18 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	49.64	25.43
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.36*	
		For Seal Class A, Add	*13.56*	
		For Work In Restricted Working Space, Add	*12.72*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.05	31.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.96*	
		For Work In Restricted Working Space, Add	*15.90*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	74.46	38.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.54*	
		For Seal Class A, Add	*20.35*	
		For Work In Restricted Working Space, Add	*19.08*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	86.86	44.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.13*	
		For Seal Class A, Add	*23.74*	
		For Work In Restricted Working Space, Add	*22.26*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	99.29	50.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.72*	
		For Seal Class A, Add	*27.13*	
		For Work In Restricted Working Space, Add	*25.43*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	111.69	57.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.31*	
		For Seal Class A, Add	*30.52*	
		For Work In Restricted Working Space, Add	*28.61*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	124.11	63.59
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.90*	
		For Seal Class A, Add	*33.92*	
		For Work In Restricted Working Space, Add	*31.80*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	74.46	38.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.54*	
		For Seal Class A, Add	*20.35*	
		For Work In Restricted Working Space, Add	*19.08*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	86.86	44.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.13*	
		For Seal Class A, Add	*23.74*	
		For Work In Restricted Working Space, Add	*22.26*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	99.29	50.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.72*	
		For Seal Class A, Add	*27.13*	
		For Work In Restricted Working Space, Add	*25.43*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	111.69	57.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.31*	
		For Seal Class A, Add	*30.52*	
		For Work In Restricted Working Space, Add	*28.61*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	124.11	63.59
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.90*	
		For Seal Class A, Add	*33.92*	
		For Work In Restricted Working Space, Add	*31.80*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	136.52	69.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.49*	
		For Seal Class A, Add	*37.31*	
		For Work In Restricted Working Space, Add	*34.98*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	99.29	50.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.72*	
		For Seal Class A, Add	*27.13*	
		For Work In Restricted Working Space, Add	*25.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.69	57.24
		For Seal Class B, Add	*14.31*	
		For Seal Class A, Add	*30.52*	
		For Work In Restricted Working Space, Add	*28.61*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.11	63.59
		For Seal Class B, Add	*15.90*	
		For Seal Class A, Add	*33.92*	
		For Work In Restricted Working Space, Add	*31.80*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.52	69.95
		For Seal Class B, Add	*17.49*	
		For Seal Class A, Add	*37.31*	
		For Work In Restricted Working Space, Add	*34.98*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	148.91	76.30
		For Seal Class B, Add	*19.08*	
		For Seal Class A, Add	*40.70*	
		For Work In Restricted Working Space, Add	*38.15*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.35	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.75	89.02
		For Seal Class B, Add	*22.26*	
		For Seal Class A, Add	*47.48*	
		For Work In Restricted Working Space, Add	*44.51*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.15	95.38
		For Seal Class B, Add	*23.85*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	198.56	101.74
		For Seal Class B, Add	*25.44*	
		For Seal Class A, Add	*54.26*	
		For Work In Restricted Working Space, Add	*50.87*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.11	63.59
		For Seal Class B, Add	*15.90*	
		For Seal Class A, Add	*33.92*	
		For Work In Restricted Working Space, Add	*31.80*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.52	69.95
		For Seal Class B, Add	*17.49*	
		For Seal Class A, Add	*37.31*	
		For Work In Restricted Working Space, Add	*34.98*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	148.91	76.30
		For Seal Class B, Add	*19.08*	
		For Seal Class A, Add	*40.70*	
		For Work In Restricted Working Space, Add	*38.15*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.35	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.75	89.02
		For Seal Class B, Add	*22.26*	
		For Seal Class A, Add	*47.48*	
		For Work In Restricted Working Space, Add	*44.51*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.15	95.38
		For Seal Class B, Add	*23.85*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	198.56	101.74
		For Seal Class B, Add	*25.44*	
		For Seal Class A, Add	*54.26*	
		For Work In Restricted Working Space, Add	*50.87*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.98	108.11
		For Seal Class B, Add	*27.03*	
		For Seal Class A, Add	*57.66*	
		For Work In Restricted Working Space, Add	*54.05*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	223.41	114.46
		For Seal Class B, Add	*28.62*	
		For Seal Class A, Add	*61.05*	
		For Work In Restricted Working Space, Add	*57.23*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	235.81	120.83
		For Seal Class B, Add	*30.21*	
		For Seal Class A, Add	*64.44*	
		For Work In Restricted Working Space, Add	*60.41*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.20	127.18
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	260.61	133.54
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	148.91	76.30
		For Seal Class B, Add	*19.08*	
		For Seal Class A, Add	*40.70*	
		For Work In Restricted Working Space, Add	*38.15*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.35	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.75	89.02
		For Seal Class B, Add	*22.26*	
		For Seal Class A, Add	*47.48*	
		For Work In Restricted Working Space, Add	*44.51*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.15	95.38
		For Seal Class B, Add	*23.85*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	198.56	101.74
		For Seal Class B, Add	*25.44*	
		For Seal Class A, Add	*54.26*	
		For Work In Restricted Working Space, Add	*50.87*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.98	108.11
		For Seal Class B, Add	*27.03*	
		For Seal Class A, Add	*57.66*	
		For Work In Restricted Working Space, Add	*54.05*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	223.41	114.46
		For Seal Class B, Add	*28.62*	
		For Seal Class A, Add	*61.05*	
		For Work In Restricted Working Space, Add	*57.23*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	235.81	120.83
		For Seal Class B, Add	*30.21*	
		For Seal Class A, Add	*64.44*	
		For Work In Restricted Working Space, Add	*60.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.20	127.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	260.61	133.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	273.02	139.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.45	146.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.75	89.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.26*	
		For Seal Class A, Add	*47.48*	
		For Work In Restricted Working Space, Add	*44.51*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.15	95.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.85*	
		For Seal Class A, Add	*50.87*	
		For Work In Restricted Working Space, Add	*47.69*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	198.56	101.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.44*	
		For Seal Class A, Add	*54.26*	
		For Work In Restricted Working Space, Add	*50.87*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.98	108.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.03*	
		For Seal Class A, Add	*57.66*	
		For Work In Restricted Working Space, Add	*54.05*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	223.41	114.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.62*	
		For Seal Class A, Add	*61.05*	
		For Work In Restricted Working Space, Add	*57.23*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	235.81	120.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.21*	
		For Seal Class A, Add	*64.44*	
		For Work In Restricted Working Space, Add	*60.41*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.20	127.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	260.61	133.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	273.02	139.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.45	146.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.27	158.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	198.56	101.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.44*	
		For Seal Class A, Add	*54.26*	
		For Work In Restricted Working Space, Add	*50.87*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.98	108.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.03*	
		For Seal Class A, Add	*57.66*	
		For Work In Restricted Working Space, Add	*54.05*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	223.41	114.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.62*	
		For Seal Class A, Add	*61.05*	
		For Work In Restricted Working Space, Add	*57.23*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	235.81	120.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.21*	
		For Seal Class A, Add	*64.44*	
		For Work In Restricted Working Space, Add	*60.41*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.20	127.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	260.61	133.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	273.02	139.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.45	146.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.27	158.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	322.66	165.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	335.07	171.69
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	347.50	178.06
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	359.91	184.42
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.32	190.78
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	223.41	114.46
		For Seal Class B, Add	*28.62*	
		For Seal Class A, Add	*61.05*	
		For Work In Restricted Working Space, Add	*57.23*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	235.81	120.83
		For Seal Class B, Add	*30.21*	
		For Seal Class A, Add	*64.44*	
		For Work In Restricted Working Space, Add	*60.41*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.20	127.18
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	260.61	133.54
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	273.02	139.89
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	285.45	146.26
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	297.87	152.61
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.27	158.97
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	322.66	165.32
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	335.07	171.69
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	347.50	178.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	359.91	184.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.32	190.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	384.72	197.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	397.15	203.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.20	127.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.83*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	260.61	133.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.38*	
		For Seal Class A, Add	*71.22*	
		For Work In Restricted Working Space, Add	*66.77*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	273.02	139.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.45	146.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.27	158.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	322.66	165.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	335.07	171.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	347.50	178.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	359.91	184.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.32	190.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	384.72	197.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	397.15	203.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	409.56	209.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	421.96	216.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	273.02	139.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.97*	
		For Seal Class A, Add	*74.61*	
		For Work In Restricted Working Space, Add	*69.95*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	285.45	146.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.56*	
		For Seal Class A, Add	*78.00*	
		For Work In Restricted Working Space, Add	*73.13*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.27	158.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	322.66	165.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	335.07	171.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	347.50	178.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	359.91	184.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.32	190.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	384.72	197.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	397.15	203.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	409.56	209.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	421.96	216.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.36	222.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	297.87	152.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.16*	
		For Seal Class A, Add	*81.40*	
		For Work In Restricted Working Space, Add	*76.31*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.27	158.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.75*	
		For Seal Class A, Add	*84.79*	
		For Work In Restricted Working Space, Add	*79.49*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	322.66	165.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	335.07	171.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	347.50	178.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	359.91	184.42
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.32	190.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	384.72	197.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	397.15	203.49
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.56	209.85
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	421.96	216.21
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	434.36	222.56
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	446.76	228.92
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	322.66	165.32
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	335.07	171.69
		For Seal Class B, Add	*42.92*	
		For Seal Class A, Add	*91.57*	
		For Work In Restricted Working Space, Add	*85.85*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	347.50	178.06
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	359.91	184.42
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.32	190.78
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	384.72	197.13
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	397.15	203.49
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.56	209.85
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	421.96	216.21
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	434.36	222.56
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	446.76	228.92
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	459.20	235.28
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	347.50	178.06
		For Seal Class B, Add	*44.51*	
		For Seal Class A, Add	*94.96*	
		For Work In Restricted Working Space, Add	*89.03*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	359.91	184.42
		For Seal Class B, Add	*46.10*	
		For Seal Class A, Add	*98.35*	
		For Work In Restricted Working Space, Add	*92.21*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.32	190.78
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	384.72	197.13
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	397.15	203.49
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.56	209.85
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	421.96	216.21
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	434.36	222.56
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	446.76	228.92
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	459.20	235.28
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	471.61	241.64
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.32	190.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.69*	
		For Seal Class A, Add	*101.75*	
		For Work In Restricted Working Space, Add	*95.39*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	384.72	197.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.28*	
		For Seal Class A, Add	*105.14*	
		For Work In Restricted Working Space, Add	*98.57*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	397.15	203.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	409.56	209.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	421.96	216.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.36	222.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	446.76	228.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	459.20	235.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	471.61	241.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.02	248.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	397.15	203.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.87*	
		For Seal Class A, Add	*108.53*	
		For Work In Restricted Working Space, Add	*101.75*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	409.56	209.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.46*	
		For Seal Class A, Add	*111.92*	
		For Work In Restricted Working Space, Add	*104.93*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	421.96	216.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.36	222.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	446.76	228.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	459.20	235.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	471.61	241.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.02	248.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.42	254.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.66*	
		For Work In Restricted Working Space, Add	*127.18*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	421.96	216.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.05*	
		For Seal Class A, Add	*115.31*	
		For Work In Restricted Working Space, Add	*108.10*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.36	222.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.64*	
		For Seal Class A, Add	*118.70*	
		For Work In Restricted Working Space, Add	*111.28*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	446.76	228.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	459.20	235.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	471.61	241.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.02	248.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.42	254.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.66*	
		For Work In Restricted Working Space, Add	*127.18*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.82	260.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.18*	
		For Seal Class A, Add	*139.05*	
		For Work In Restricted Working Space, Add	*130.36*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	446.76	228.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*57.23*	
		For Seal Class A, Add	*122.09*	
		For Work In Restricted Working Space, Add	*114.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	459.20	235.28
		For Seal Class B, Add	*58.82*	
		For Seal Class A, Add	*125.48*	
		For Work In Restricted Working Space, Add	*117.64*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	471.61	241.64
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	484.02	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	496.42	254.37
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.66*	
		For Work In Restricted Working Space, Add	*127.18*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	508.82	260.72
		For Seal Class B, Add	*65.18*	
		For Seal Class A, Add	*139.05*	
		For Work In Restricted Working Space, Add	*130.36*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	521.24	267.08
		For Seal Class B, Add	*66.77*	
		For Seal Class A, Add	*142.44*	
		For Work In Restricted Working Space, Add	*133.54*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	471.61	241.64
		For Seal Class B, Add	*60.41*	
		For Seal Class A, Add	*128.88*	
		For Work In Restricted Working Space, Add	*120.82*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	484.02	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	496.42	254.37
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.66*	
		For Work In Restricted Working Space, Add	*127.18*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	508.82	260.72
		For Seal Class B, Add	*65.18*	
		For Seal Class A, Add	*139.05*	
		For Work In Restricted Working Space, Add	*130.36*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	521.24	267.08
		For Seal Class B, Add	*66.77*	
		For Seal Class A, Add	*142.44*	
		For Work In Restricted Working Space, Add	*133.54*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	533.66	273.44
		For Seal Class B, Add	*68.36*	
		For Seal Class A, Add	*145.83*	
		For Work In Restricted Working Space, Add	*136.72*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	546.07	279.80
		For Seal Class B, Add	*69.95*	
		For Seal Class A, Add	*149.23*	
		For Work In Restricted Working Space, Add	*139.90*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	496.42	254.37
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.66*	
		For Work In Restricted Working Space, Add	*127.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.82	260.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.18*	
		For Seal Class A, Add	*139.05*	
		For Work In Restricted Working Space, Add	*130.36*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	521.24	267.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*66.77*	
		For Seal Class A, Add	*142.44*	
		For Work In Restricted Working Space, Add	*133.54*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	533.66	273.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.36*	
		For Seal Class A, Add	*145.83*	
		For Work In Restricted Working Space, Add	*136.72*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	546.07	279.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*69.95*	
		For Seal Class A, Add	*149.23*	
		For Work In Restricted Working Space, Add	*139.90*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	558.48	286.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	570.88	292.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*73.13*	
		For Seal Class A, Add	*156.01*	
		For Work In Restricted Working Space, Add	*146.26*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	583.31	298.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*74.72*	
		For Seal Class A, Add	*159.40*	
		For Work In Restricted Working Space, Add	*149.44*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	595.71	305.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*76.31*	
		For Seal Class A, Add	*162.79*	
		For Work In Restricted Working Space, Add	*152.62*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	521.24	267.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*66.77*	
		For Seal Class A, Add	*142.44*	
		For Work In Restricted Working Space, Add	*133.54*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	533.66	273.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.36*	
		For Seal Class A, Add	*145.83*	
		For Work In Restricted Working Space, Add	*136.72*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	546.07	279.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*69.95*	
		For Seal Class A, Add	*149.23*	
		For Work In Restricted Working Space, Add	*139.90*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	558.48	286.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	570.88	292.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*73.13*	
		For Seal Class A, Add	*156.01*	
		For Work In Restricted Working Space, Add	*146.26*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	583.31	298.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*74.72*	
		For Seal Class A, Add	*159.40*	
		For Work In Restricted Working Space, Add	*149.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	595.71	305.23
		For Seal Class B, Add	*76.31*	
		For Seal Class A, Add	*162.79*	
		For Work In Restricted Working Space, Add	*152.62*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	608.11	311.58
		For Seal Class B, Add	*77.90*	
		For Seal Class A, Add	*166.18*	
		For Work In Restricted Working Space, Add	*155.79*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	546.07	279.80
		For Seal Class B, Add	*69.95*	
		For Seal Class A, Add	*149.23*	
		For Work In Restricted Working Space, Add	*139.90*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	558.48	286.15
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	570.88	292.51
		For Seal Class B, Add	*73.13*	
		For Seal Class A, Add	*156.01*	
		For Work In Restricted Working Space, Add	*146.26*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	583.31	298.87
		For Seal Class B, Add	*74.72*	
		For Seal Class A, Add	*159.40*	
		For Work In Restricted Working Space, Add	*149.44*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	595.71	305.23
		For Seal Class B, Add	*76.31*	
		For Seal Class A, Add	*162.79*	
		For Work In Restricted Working Space, Add	*152.62*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	608.11	311.58
		For Seal Class B, Add	*77.90*	
		For Seal Class A, Add	*166.18*	
		For Work In Restricted Working Space, Add	*155.79*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.53	317.96
		For Seal Class B, Add	*79.49*	
		For Seal Class A, Add	*169.57*	
		For Work In Restricted Working Space, Add	*158.98*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	570.88	292.51
		For Seal Class B, Add	*73.13*	
		For Seal Class A, Add	*156.01*	
		For Work In Restricted Working Space, Add	*146.26*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	583.31	298.87
		For Seal Class B, Add	*74.72*	
		For Seal Class A, Add	*159.40*	
		For Work In Restricted Working Space, Add	*149.44*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	595.71	305.23
		For Seal Class B, Add	*76.31*	
		For Seal Class A, Add	*162.79*	
		For Work In Restricted Working Space, Add	*152.62*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	608.11	311.58
		For Seal Class B, Add	*77.90*	
		For Seal Class A, Add	*166.18*	
		For Work In Restricted Working Space, Add	*155.79*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.53	317.96
		For Seal Class B, Add	*79.49*	
		For Seal Class A, Add	*169.57*	
		For Work In Restricted Working Space, Add	*158.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	643.53	330.67
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	655.96	337.03
		For Seal Class B, Add	*84.26*	
		For Seal Class A, Add	*179.75*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	595.71	305.23
		For Seal Class B, Add	*76.31*	
		For Seal Class A, Add	*162.79*	
		For Work In Restricted Working Space, Add	*152.62*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	608.11	311.58
		For Seal Class B, Add	*77.90*	
		For Seal Class A, Add	*166.18*	
		For Work In Restricted Working Space, Add	*155.79*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.53	317.96
		For Seal Class B, Add	*79.49*	
		For Seal Class A, Add	*169.57*	
		For Work In Restricted Working Space, Add	*158.98*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	632.93	324.31
		For Seal Class B, Add	*81.08*	
		For Seal Class A, Add	*172.97*	
		For Work In Restricted Working Space, Add	*162.16*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	645.37	330.67
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	657.76	337.03
		For Seal Class B, Add	*84.26*	
		For Seal Class A, Add	*179.75*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	670.17	343.39
		For Seal Class B, Add	*85.85*	
		For Seal Class A, Add	*183.14*	
		For Work In Restricted Working Space, Add	*171.69*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.53	317.96
		For Seal Class B, Add	*79.49*	
		For Seal Class A, Add	*169.57*	
		For Work In Restricted Working Space, Add	*158.98*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	632.93	324.31
		For Seal Class B, Add	*81.08*	
		For Seal Class A, Add	*172.97*	
		For Work In Restricted Working Space, Add	*162.16*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	645.37	330.67
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	657.76	337.03
		For Seal Class B, Add	*84.26*	
		For Seal Class A, Add	*179.75*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	670.17	343.39
		For Seal Class B, Add	*85.85*	
		For Seal Class A, Add	*183.14*	
		For Work In Restricted Working Space, Add	*171.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	682.58	349.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*87.44*	
		For Seal Class A, Add	*186.53*	
		For Work In Restricted Working Space, Add	*174.87*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	645.37	330.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	657.76	337.03
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*84.26*	
		For Seal Class A, Add	*179.75*	
		For Work In Restricted Working Space, Add	*168.51*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	670.17	343.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*85.85*	
		For Seal Class A, Add	*183.14*	
		For Work In Restricted Working Space, Add	*171.69*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	682.58	349.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*87.44*	
		For Seal Class A, Add	*186.53*	
		For Work In Restricted Working Space, Add	*174.87*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	694.98	356.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*89.03*	
		For Seal Class A, Add	*189.92*	
		For Work In Restricted Working Space, Add	*178.05*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	670.17	343.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*85.85*	
		For Seal Class A, Add	*183.14*	
		For Work In Restricted Working Space, Add	*171.69*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	682.58	349.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*87.44*	
		For Seal Class A, Add	*186.53*	
		For Work In Restricted Working Space, Add	*174.87*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	694.98	356.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*89.03*	
		For Seal Class A, Add	*189.92*	
		For Work In Restricted Working Space, Add	*178.05*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	707.42	362.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*90.62*	
		For Seal Class A, Add	*193.32*	
		For Work In Restricted Working Space, Add	*181.23*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	719.82	368.82
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*92.21*	
		For Seal Class A, Add	*196.71*	
		For Work In Restricted Working Space, Add	*184.41*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	732.22	375.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*93.80*	
		For Seal Class A, Add	*200.10*	
		For Work In Restricted Working Space, Add	*187.59*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	694.98	356.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*89.03*	
		For Seal Class A, Add	*189.92*	
		For Work In Restricted Working Space, Add	*178.05*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	707.42	362.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*90.62*	
		For Seal Class A, Add	*193.32*	
		For Work In Restricted Working Space, Add	*181.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	719.82	368.82
		For Seal Class B, Add	*92.21*	
		For Seal Class A, Add	*196.71*	
		For Work In Restricted Working Space, Add	*184.41*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	732.22	375.18
		For Seal Class B, Add	*93.80*	
		For Seal Class A, Add	*200.10*	
		For Work In Restricted Working Space, Add	*187.59*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	744.63	381.53
		For Seal Class B, Add	*95.39*	
		For Seal Class A, Add	*203.49*	
		For Work In Restricted Working Space, Add	*190.77*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	719.82	368.82
		For Seal Class B, Add	*92.21*	
		For Seal Class A, Add	*196.71*	
		For Work In Restricted Working Space, Add	*184.41*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	732.22	375.18
		For Seal Class B, Add	*93.80*	
		For Seal Class A, Add	*200.10*	
		For Work In Restricted Working Space, Add	*187.59*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	744.63	381.53
		For Seal Class B, Add	*95.39*	
		For Seal Class A, Add	*203.49*	
		For Work In Restricted Working Space, Add	*190.77*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	757.03	387.91
		For Seal Class B, Add	*96.98*	
		For Seal Class A, Add	*206.88*	
		For Work In Restricted Working Space, Add	*193.95*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	769.47	394.26
		For Seal Class B, Add	*98.57*	
		For Seal Class A, Add	*210.27*	
		For Work In Restricted Working Space, Add	*197.13*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	744.63	381.53
		For Seal Class B, Add	*95.39*	
		For Seal Class A, Add	*203.49*	
		For Work In Restricted Working Space, Add	*190.77*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	757.03	387.91
		For Seal Class B, Add	*96.98*	
		For Seal Class A, Add	*206.88*	
		For Work In Restricted Working Space, Add	*193.95*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	769.47	394.26
		For Seal Class B, Add	*98.57*	
		For Seal Class A, Add	*210.27*	
		For Work In Restricted Working Space, Add	*197.13*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	781.87	400.62
		For Seal Class B, Add	*100.16*	
		For Seal Class A, Add	*213.66*	
		For Work In Restricted Working Space, Add	*200.31*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	794.27	406.98
		For Seal Class B, Add	*101.74*	
		For Seal Class A, Add	*217.05*	
		For Work In Restricted Working Space, Add	*203.49*	
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	769.47	394.26
		For Seal Class B, Add	*98.57*	
		For Seal Class A, Add	*210.27*	
		For Work In Restricted Working Space, Add	*197.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	781.87	400.62
		For Seal Class B, Add	*100.16*	
		For Seal Class A, Add	*213.66*	
		For Work In Restricted Working Space, Add	*200.31*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	794.27	406.98
		For Seal Class B, Add	*101.74*	
		For Seal Class A, Add	*217.05*	
		For Work In Restricted Working Space, Add	*203.49*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	806.68	413.34
		For Seal Class B, Add	*103.33*	
		For Seal Class A, Add	*220.44*	
		For Work In Restricted Working Space, Add	*206.67*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	819.08	419.69
		For Seal Class B, Add	*104.92*	
		For Seal Class A, Add	*223.84*	
		For Work In Restricted Working Space, Add	*209.85*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	794.27	406.98
		For Seal Class B, Add	*101.74*	
		For Seal Class A, Add	*217.05*	
		For Work In Restricted Working Space, Add	*203.49*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	806.68	413.34
		For Seal Class B, Add	*103.33*	
		For Seal Class A, Add	*220.44*	
		For Work In Restricted Working Space, Add	*206.67*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	819.08	419.69
		For Seal Class B, Add	*104.92*	
		For Seal Class A, Add	*223.84*	
		For Work In Restricted Working Space, Add	*209.85*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	831.52	426.05
		For Seal Class B, Add	*106.51*	
		For Seal Class A, Add	*227.23*	
		For Work In Restricted Working Space, Add	*213.03*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	819.08	419.69
		For Seal Class B, Add	*104.92*	
		For Seal Class A, Add	*223.84*	
		For Work In Restricted Working Space, Add	*209.85*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	831.52	426.05
		For Seal Class B, Add	*106.51*	
		For Seal Class A, Add	*227.23*	
		For Work In Restricted Working Space, Add	*213.03*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	843.92	432.41
		For Seal Class B, Add	*108.10*	
		For Seal Class A, Add	*230.62*	
		For Work In Restricted Working Space, Add	*216.21*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	856.32	438.77
		For Seal Class B, Add	*109.69*	
		For Seal Class A, Add	*234.01*	
		For Work In Restricted Working Space, Add	*219.38*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	843.92	432.41
		For Seal Class B, Add	*108.10*	
		For Seal Class A, Add	*230.62*	
		For Work In Restricted Working Space, Add	*216.21*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	856.32	438.77
		For Seal Class B, Add	*109.69*	
		For Seal Class A, Add	*234.01*	
		For Work In Restricted Working Space, Add	*219.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	868.74	445.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*111.28*	
		For Seal Class A, Add	*237.40*	
		For Work In Restricted Working Space, Add	*222.57*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	881.13	451.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*112.87*	
		For Seal Class A, Add	*240.79*	
		For Work In Restricted Working Space, Add	*225.74*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	868.74	445.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*111.28*	
		For Seal Class A, Add	*237.40*	
		For Work In Restricted Working Space, Add	*222.57*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	881.13	451.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*112.87*	
		For Seal Class A, Add	*240.79*	
		For Work In Restricted Working Space, Add	*225.74*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	893.57	457.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*114.46*	
		For Seal Class A, Add	*244.19*	
		For Work In Restricted Working Space, Add	*228.92*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	905.98	464.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*116.05*	
		For Seal Class A, Add	*247.58*	
		For Work In Restricted Working Space, Add	*232.10*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	918.38	470.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*117.64*	
		For Seal Class A, Add	*250.97*	
		For Work In Restricted Working Space, Add	*235.28*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	930.78	476.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*119.23*	
		For Seal Class A, Add	*254.36*	
		For Work In Restricted Working Space, Add	*238.46*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	943.20	483.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*120.82*	
		For Seal Class A, Add	*257.75*	
		For Work In Restricted Working Space, Add	*241.64*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	955.63	489.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*122.41*	
		For Seal Class A, Add	*261.15*	
		For Work In Restricted Working Space, Add	*244.82*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	968.03	496.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*124.00*	
		For Seal Class A, Add	*264.53*	
		For Work In Restricted Working Space, Add	*248.00*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	893.57	457.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*114.46*	
		For Seal Class A, Add	*244.19*	
		For Work In Restricted Working Space, Add	*228.92*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	905.98	464.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*116.05*	
		For Seal Class A, Add	*247.58*	
		For Work In Restricted Working Space, Add	*232.10*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	918.38	470.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*117.64*	
		For Seal Class A, Add	*250.97*	
		For Work In Restricted Working Space, Add	*235.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	930.78	476.93
		For Seal Class B, Add	*119.23*	
		For Seal Class A, Add	*254.36*	
		For Work In Restricted Working Space, Add	*238.46*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	943.20	483.28
		For Seal Class B, Add	*120.82*	
		For Seal Class A, Add	*257.75*	
		For Work In Restricted Working Space, Add	*241.64*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	955.63	489.64
		For Seal Class B, Add	*122.41*	
		For Seal Class A, Add	*261.15*	
		For Work In Restricted Working Space, Add	*244.82*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	968.03	496.00
		For Seal Class B, Add	*124.00*	
		For Seal Class A, Add	*264.53*	
		For Work In Restricted Working Space, Add	*248.00*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	980.43	502.36
		For Seal Class B, Add	*125.59*	
		For Seal Class A, Add	*267.93*	
		For Work In Restricted Working Space, Add	*251.18*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	918.38	470.57
		For Seal Class B, Add	*117.64*	
		For Seal Class A, Add	*250.97*	
		For Work In Restricted Working Space, Add	*235.28*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	930.78	476.93
		For Seal Class B, Add	*119.23*	
		For Seal Class A, Add	*254.36*	
		For Work In Restricted Working Space, Add	*238.46*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	943.20	483.28
		For Seal Class B, Add	*120.82*	
		For Seal Class A, Add	*257.75*	
		For Work In Restricted Working Space, Add	*241.64*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	955.63	489.64
		For Seal Class B, Add	*122.41*	
		For Seal Class A, Add	*261.15*	
		For Work In Restricted Working Space, Add	*244.82*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	968.03	496.00
		For Seal Class B, Add	*124.00*	
		For Seal Class A, Add	*264.53*	
		For Work In Restricted Working Space, Add	*248.00*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	980.43	502.36
		For Seal Class B, Add	*125.59*	
		For Seal Class A, Add	*267.93*	
		For Work In Restricted Working Space, Add	*251.18*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	992.83	508.72
		For Seal Class B, Add	*127.18*	
		For Seal Class A, Add	*271.32*	
		For Work In Restricted Working Space, Add	*254.36*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	943.20	483.28
		For Seal Class B, Add	*120.82*	
		For Seal Class A, Add	*257.75*	
		For Work In Restricted Working Space, Add	*241.64*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	955.63	489.64
		For Seal Class B, Add	*122.41*	
		For Seal Class A, Add	*261.15*	
		For Work In Restricted Working Space, Add	*244.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	968.03	496.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*124.00*	
		For Seal Class A, Add	*264.53*	
		For Work In Restricted Working Space, Add	*248.00*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	980.43	502.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*125.59*	
		For Seal Class A, Add	*267.93*	
		For Work In Restricted Working Space, Add	*251.18*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	992.83	508.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*127.18*	
		For Seal Class A, Add	*271.32*	
		For Work In Restricted Working Space, Add	*254.36*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,005.24	515.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*128.77*	
		For Seal Class A, Add	*274.71*	
		For Work In Restricted Working Space, Add	*257.54*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	968.03	496.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*124.00*	
		For Seal Class A, Add	*264.53*	
		For Work In Restricted Working Space, Add	*248.00*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	980.43	502.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*125.59*	
		For Seal Class A, Add	*267.93*	
		For Work In Restricted Working Space, Add	*251.18*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	992.83	508.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*127.18*	
		For Seal Class A, Add	*271.32*	
		For Work In Restricted Working Space, Add	*254.36*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,005.24	515.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*128.77*	
		For Seal Class A, Add	*274.71*	
		For Work In Restricted Working Space, Add	*257.54*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,017.67	521.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*130.36*	
		For Seal Class A, Add	*278.10*	
		For Work In Restricted Working Space, Add	*260.72*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	992.83	508.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*127.18*	
		For Seal Class A, Add	*271.32*	
		For Work In Restricted Working Space, Add	*254.36*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,005.24	515.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*128.77*	
		For Seal Class A, Add	*274.71*	
		For Work In Restricted Working Space, Add	*257.54*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,017.67	521.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*130.36*	
		For Seal Class A, Add	*278.10*	
		For Work In Restricted Working Space, Add	*260.72*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,040.69	534.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*133.54*	
		For Seal Class A, Add	*284.89*	
		For Work In Restricted Working Space, Add	*267.08*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	1,017.67	521.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*130.36*	
		For Seal Class A, Add	*278.10*	
		For Work In Restricted Working Space, Add	*260.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	1,030.09	527.80
		For Seal Class B, Add	*131.95*	
		For Seal Class A, Add	*281.49*	
		For Work In Restricted Working Space, Add	*263.90*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	1,042.49	534.17
		For Seal Class B, Add	*133.54*	
		For Seal Class A, Add	*284.89*	
		For Work In Restricted Working Space, Add	*267.08*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	1,042.49	534.17
		For Seal Class B, Add	*133.54*	
		For Seal Class A, Add	*284.89*	
		For Work In Restricted Working Space, Add	*267.08*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	1,054.90	540.52
		For Seal Class B, Add	*135.13*	
		For Seal Class A, Add	*288.28*	
		For Work In Restricted Working Space, Add	*270.26*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	1,067.29	546.88
		For Seal Class B, Add	*136.72*	
		For Seal Class A, Add	*291.66*	
		For Work In Restricted Working Space, Add	*273.44*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.21	3.27
		For Seal Class B, Add	*1.00*	
		For Seal Class A, Add	*2.67*	
		For Up To 20', Add	*0.76*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.19*	
		For >500', Deduct	*-0.32*	
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.70*	
		For 20 Gauge, Add	*1.05*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.87*	
		For Work In Restricted Working Space, Add	*2.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.34*	
		For Elevated Installation >40' Above Floor, Add	*3.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.62	3.71
		For Seal Class B, Add	*1.11*	
		For Seal Class A, Add	*2.97*	
		For Up To 20', Add	*0.96*	
		For >20' To 50', Add	*0.38*	
		For >200' To 500', Deduct	*-0.24*	
		For >500', Deduct	*-0.40*	
		For 28 Gauge, Deduct	*-0.44*	
		For 24 Gauge, Add	*0.44*	
		For 22 Gauge, Add	*0.88*	
		For 20 Gauge, Add	*1.32*	
		For 18 Gauge, Add	*1.76*	
		For 16 Gauge, Add	*2.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.37*	
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.71*	
		For Elevated Installation >40' Above Floor, Add	*4.08*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.04	4.45
		For Seal Class B, Add	*1.25*	
		For Seal Class A, Add	*3.34*	
		For Up To 20', Add	*1.11*	
		For >20' To 50', Add	*0.44*	
		For >200' To 500', Deduct	*-0.28*	
		For >500', Deduct	*-0.46*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.53*	
		For 18 Gauge, Add	*2.03*	
		For 16 Gauge, Add	*2.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.73*	
		For Work In Restricted Working Space, Add	*2.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.18*	
		For Elevated Installation >40' Above Floor, Add	*4.59*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	13.52	5.19
		For Seal Class B, Add	*1.43*	
		For Seal Class A, Add	*3.82*	
		For Up To 20', Add	*1.19*	
		For >20' To 50', Add	*0.48*	
		For >200' To 500', Deduct	*-0.30*	
		For >500', Deduct	*-0.50*	
		For 28 Gauge, Deduct	*-0.55*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.10*	
		For 20 Gauge, Add	*1.65*	
		For 18 Gauge, Add	*2.19*	
		For 16 Gauge, Add	*2.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Work In Restricted Working Space, Add	*2.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.77*	
		For Elevated Installation >40' Above Floor, Add	*5.25*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	15.40	5.93
		For Seal Class B, Add	*1.67*	
		For Seal Class A, Add	*4.45*	
		For Up To 20', Add	*1.28*	
		For >20' To 50', Add	*0.51*	
		For >200' To 500', Deduct	*-0.32*	
		For >500', Deduct	*-0.54*	
		For 28 Gauge, Deduct	*-0.59*	
		For 24 Gauge, Add	*0.59*	
		For 22 Gauge, Add	*1.18*	
		For 20 Gauge, Add	*1.77*	
		For 18 Gauge, Add	*2.35*	
		For 16 Gauge, Add	*2.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.56*	
		For Elevated Installation >40' Above Floor, Add	*6.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	19.57	7.42
		For Seal Class B, Add	*2.00*	
		For Seal Class A, Add	*5.34*	
		For Up To 20', Add	*1.87*	
		For >20' To 50', Add	*0.75*	
		For >200' To 500', Deduct	*-0.47*	
		For >500', Deduct	*-0.78*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.58*	
		For 18 Gauge, Add	*3.42*	
		For 16 Gauge, Add	*4.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.60*	
		For Work In Restricted Working Space, Add	*4.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.68*	
		For Elevated Installation >40' Above Floor, Add	*7.34*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	23.97	9.94
		For Seal Class B, Add	*2.50*	
		For Seal Class A, Add	*6.68*	
		For Up To 20', Add	*2.18*	
		For >20' To 50', Add	*0.87*	
		For >200' To 500', Deduct	*-0.55*	
		For >500', Deduct	*-0.91*	
		For 28 Gauge, Deduct	*-1.01*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*2.01*	
		For 20 Gauge, Add	*3.01*	
		For 18 Gauge, Add	*4.00*	
		For 16 Gauge, Add	*4.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.39*	
		For Work In Restricted Working Space, Add	*5.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.35*	
		For Elevated Installation >40' Above Floor, Add	*9.18*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	29.12	14.83
		For Seal Class B, Add	*3.13*	
		For Seal Class A, Add	*8.34*	
		For Up To 20', Add	*2.48*	
		For >20' To 50', Add	*0.99*	
		For >200' To 500', Deduct	*-0.62*	
		For >500', Deduct	*-1.03*	
		For 28 Gauge, Deduct	*-1.14*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.54*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.11*	
		For Work In Restricted Working Space, Add	*6.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.43*	
		For Elevated Installation >40' Above Floor, Add	*11.47*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	39.17	19.88
		For Seal Class B, Add	*4.17*	
		For Seal Class A, Add	*11.13*	
		For Up To 20', Add	*3.41*	
		For >20' To 50', Add	*1.36*	
		For >200' To 500', Deduct	*-0.85*	
		For >500', Deduct	*-1.42*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.13*	
		For 20 Gauge, Add	*4.70*	
		For 18 Gauge, Add	*6.24*	
		For 16 Gauge, Add	*7.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.40*	
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	55.32	23.89
		For Up To 20', Add	*6.58*	
		For >20' To 50', Add	*2.63*	
		For >200' To 500', Deduct	*-1.65*	
		For >500', Deduct	*-2.74*	
		For 28 Gauge, Deduct	*-3.04*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.04*	
		For 20 Gauge, Add	*9.08*	
		For 18 Gauge, Add	*12.07*	
		For 16 Gauge, Add	*14.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.24*	
		For Work In Restricted Working Space, Add	*10.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.69*	
		For Elevated Installation >40' Above Floor, Add	*18.36*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	63.06	27.59
		For Up To 20', Add	*7.35*	
		For >20' To 50', Add	*2.94*	
		For >200' To 500', Deduct	*-1.84*	
		For >500', Deduct	*-3.06*	
		For 28 Gauge, Deduct	*-3.39*	
		For 24 Gauge, Add	*3.38*	
		For 22 Gauge, Add	*6.75*	
		For 20 Gauge, Add	*10.14*	
		For 18 Gauge, Add	*13.47*	
		For 16 Gauge, Add	*16.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.12*	
		For Work In Restricted Working Space, Add	*11.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.29*	
		For Elevated Installation >40' Above Floor, Add	*21.21*	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	46.84	19.81
		For Seal Class B, Add	*5.94*	
		For Seal Class A, Add	*15.84*	
		For 28 Gauge, Deduct	*-1.00*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*1.99*	
		For 20 Gauge, Add	*2.99*	
		For 18 Gauge, Add	*3.98*	
		For 16 Gauge, Add	*4.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.35*	
		For Work In Restricted Working Space, Add	*11.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.81*	
		For Elevated Installation >40' Above Floor, Add	*21.79*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	53.56	22.85
		For Seal Class B, Add	*6.85*	
		For Seal Class A, Add	*18.28*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.26*	
		For 18 Gauge, Add	*4.33*	
		For 16 Gauge, Add	*5.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.82*	
		For Work In Restricted Working Space, Add	*13.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.85*	
		For Elevated Installation >40' Above Floor, Add	*25.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	62.85	27.01
		For Seal Class B, Add	*8.10*	
		For Seal Class A, Add	*21.60*	
		For 28 Gauge, Deduct	*-1.23*	
		For 24 Gauge, Add	*1.22*	
		For 22 Gauge, Add	*2.44*	
		For 20 Gauge, Add	*3.66*	
		For 18 Gauge, Add	*4.87*	
		For 16 Gauge, Add	*5.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.55*	
		For Work In Restricted Working Space, Add	*16.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.00*	
		For Elevated Installation >40' Above Floor, Add	*29.70*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	80.30	34.72
		For Seal Class B, Add	*10.41*	
		For Seal Class A, Add	*27.77*	
		For 28 Gauge, Deduct	*-1.51*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.99*	
		For 20 Gauge, Add	*4.50*	
		For 18 Gauge, Add	*5.98*	
		For 16 Gauge, Add	*7.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.04*	
		For Work In Restricted Working Space, Add	*20.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.72*	
		For Elevated Installation >40' Above Floor, Add	*38.19*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	96.32	42.28
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*33.83*	
		For 28 Gauge, Deduct	*-1.63*	
		For 24 Gauge, Add	*1.62*	
		For 22 Gauge, Add	*3.24*	
		For 20 Gauge, Add	*4.86*	
		For 18 Gauge, Add	*6.46*	
		For 16 Gauge, Add	*7.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.70*	
		For Work In Restricted Working Space, Add	*25.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.29*	
		For Elevated Installation >40' Above Floor, Add	*46.51*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	147.55	66.02
		For Seal Class B, Add	*19.81*	
		For Seal Class A, Add	*52.82*	
		For 28 Gauge, Deduct	*-2.15*	
		For 24 Gauge, Add	*2.14*	
		For 22 Gauge, Add	*4.27*	
		For 20 Gauge, Add	*6.42*	
		For 18 Gauge, Add	*8.53*	
		For 16 Gauge, Add	*10.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.47*	
		For Work In Restricted Working Space, Add	*39.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.03*	
		For Elevated Installation >40' Above Floor, Add	*72.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	203.49	91.24
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*73.00*	
		For 28 Gauge, Deduct	*-2.91*	
		For 24 Gauge, Add	*2.90*	
		For 22 Gauge, Add	*5.79*	
		For 20 Gauge, Add	*8.69*	
		For 18 Gauge, Add	*11.55*	
		For 16 Gauge, Add	*14.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.54*	
		For Work In Restricted Working Space, Add	*54.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*91.25*	
		For Elevated Installation >40' Above Floor, Add	*100.37*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	248.06	107.93
		For Seal Class B, Add	*32.38*	
		For Seal Class A, Add	*86.35*	
		For 28 Gauge, Deduct	*-4.46*	
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*8.87*	
		For 20 Gauge, Add	*13.33*	
		For 18 Gauge, Add	*17.70*	
		For 16 Gauge, Add	*21.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.82*	
		For Work In Restricted Working Space, Add	*64.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*75.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*107.94*	
		For Elevated Installation >40' Above Floor, Add	*118.73*	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	283.53	118.69
		For Seal Class B, Add	*35.61*	
		For Seal Class A, Add	*94.96*	
		For 28 Gauge, Deduct	*-6.39*	
		For 24 Gauge, Add	*6.37*	
		For 22 Gauge, Add	*12.71*	
		For 20 Gauge, Add	*19.10*	
		For 18 Gauge, Add	*25.38*	
		For 16 Gauge, Add	*31.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Work In Restricted Working Space, Add	*71.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*47.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*59.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*83.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*94.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*118.70*	
		For Elevated Installation >40' Above Floor, Add	*130.56*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	316.11	123.51
		For Seal Class B, Add	*37.05*	
		For Seal Class A, Add	*98.81*	
		For 28 Gauge, Deduct	*-9.57*	
		For 24 Gauge, Add	*9.53*	
		For 22 Gauge, Add	*19.03*	
		For 20 Gauge, Add	*28.60*	
		For 18 Gauge, Add	*37.99*	
		For 16 Gauge, Add	*46.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.12*	
		For Work In Restricted Working Space, Add	*74.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*24.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*49.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*61.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*86.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*98.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*123.52*	
		For Elevated Installation >40' Above Floor, Add	*135.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	347.29	127.60
		For Seal Class B, Add	*38.28*	
		For Seal Class A, Add	*102.08*	
		For 28 Gauge, Deduct	*-12.76*	
		For 24 Gauge, Add	*12.71*	
		For 22 Gauge, Add	*25.37*	
		For 20 Gauge, Add	*38.13*	
		For 18 Gauge, Add	*50.66*	
		For 16 Gauge, Add	*62.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.15*	
		For Work In Restricted Working Space, Add	*76.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*25.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*51.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*63.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*89.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*102.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*127.60*	
		For Elevated Installation >40' Above Floor, Add	*140.35*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.46	13.35
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*13.35*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.84*	
		For 22 Gauge, Add	*1.68*	
		For 20 Gauge, Add	*2.52*	
		For 18 Gauge, Add	*3.34*	
		For 16 Gauge, Add	*4.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.50*	
		For Work In Restricted Working Space, Add	*10.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.69*	
		For Elevated Installation >40' Above Floor, Add	*18.36*	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	45.08	15.28
		For Seal Class B, Add	*5.72*	
		For Seal Class A, Add	*15.26*	
		For 28 Gauge, Deduct	*-0.96*	
		For 24 Gauge, Add	*0.96*	
		For 22 Gauge, Add	*1.91*	
		For 20 Gauge, Add	*2.87*	
		For 18 Gauge, Add	*3.81*	
		For 16 Gauge, Add	*4.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.13*	
		For Work In Restricted Working Space, Add	*11.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.08*	
		For Elevated Installation >40' Above Floor, Add	*20.98*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	52.40	17.80
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*17.80*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.27*	
		For 18 Gauge, Add	*4.34*	
		For 16 Gauge, Add	*5.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.84*	
		For Work In Restricted Working Space, Add	*13.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.26*	
		For Elevated Installation >40' Above Floor, Add	*24.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	61.77	21.37
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*21.36*	
		For 28 Gauge, Deduct	*-1.16*	
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.30*	
		For 20 Gauge, Add	*3.46*	
		For 18 Gauge, Add	*4.60*	
		For 16 Gauge, Add	*5.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.19*	
		For Work In Restricted Working Space, Add	*16.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.71*	
		For Elevated Installation >40' Above Floor, Add	*29.38*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	76.47	26.70
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*26.71*	
		For 28 Gauge, Deduct	*-1.34*	
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*2.67*	
		For 20 Gauge, Add	*4.02*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.18*	
		For Work In Restricted Working Space, Add	*20.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.39*	
		For Elevated Installation >40' Above Floor, Add	*36.72*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	102.88	35.61
		For Seal Class B, Add	*13.35*	
		For Seal Class A, Add	*35.61*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Work In Restricted Working Space, Add	*26.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.51*	
		For Elevated Installation >40' Above Floor, Add	*48.96*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	151.87	53.41
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*53.41*	
		For 28 Gauge, Deduct	*-2.54*	
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.05*	
		For 20 Gauge, Add	*7.59*	
		For 18 Gauge, Add	*10.09*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.57*	
		For Work In Restricted Working Space, Add	*40.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.77*	
		For Elevated Installation >40' Above Floor, Add	*73.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	204.95	68.25
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 28 Gauge, Deduct	*-4.75*	
		For 24 Gauge, Add	*4.74*	
		For 22 Gauge, Add	*9.46*	
		For 20 Gauge, Add	*14.21*	
		For 18 Gauge, Add	*18.88*	
		For 16 Gauge, Add	*23.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.40*	
		For Work In Restricted Working Space, Add	*51.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.31*	
		For Elevated Installation >40' Above Floor, Add	*93.84*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	257.13	86.05
		For Seal Class B, Add	*32.27*	
		For Seal Class A, Add	*86.05*	
		For 28 Gauge, Deduct	*-5.82*	
		For 24 Gauge, Add	*5.80*	
		For 22 Gauge, Add	*11.57*	
		For 20 Gauge, Add	*17.39*	
		For 18 Gauge, Add	*23.10*	
		For 16 Gauge, Add	*28.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.08*	
		For Work In Restricted Working Space, Add	*64.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*75.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*107.57*	
		For Elevated Installation >40' Above Floor, Add	*118.32*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	289.28	89.76
		For Seal Class B, Add	*33.61*	
		For Seal Class A, Add	*89.62*	
		For 28 Gauge, Deduct	*-9.04*	
		For 24 Gauge, Add	*9.00*	
		For 22 Gauge, Add	*17.97*	
		For 20 Gauge, Add	*27.01*	
		For 18 Gauge, Add	*35.88*	
		For 16 Gauge, Add	*44.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*48.28*	
		For Work In Restricted Working Space, Add	*67.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*56.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*78.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*112.02*	
		For Elevated Installation >40' Above Floor, Add	*123.22*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	316.96	91.99
		For Seal Class B, Add	*34.50*	
		For Seal Class A, Add	*91.99*	
		For 28 Gauge, Deduct	*-12.05*	
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*23.97*	
		For 20 Gauge, Add	*36.01*	
		For 18 Gauge, Add	*47.84*	
		For 16 Gauge, Add	*58.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.37*	
		For Work In Restricted Working Space, Add	*68.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*80.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*91.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*114.99*	
		For Elevated Installation >40' Above Floor, Add	*126.48*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	37.20	13.35
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*13.35*	
		For 28 Gauge, Deduct	*-0.53*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.05*	
		For 20 Gauge, Add	*1.58*	
		For 18 Gauge, Add	*2.10*	
		For 16 Gauge, Add	*2.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.83*	
		For Work In Restricted Working Space, Add	*10.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.69*	
		For Elevated Installation >40' Above Floor, Add	*18.36*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	43.05	15.28
		For Seal Class B, Add	*5.72*	
		For Seal Class A, Add	*15.26*	
		For 28 Gauge, Deduct	*-0.68*	
		For 24 Gauge, Add	*0.68*	
		For 22 Gauge, Add	*1.35*	
		For 20 Gauge, Add	*2.03*	
		For 18 Gauge, Add	*2.70*	
		For 16 Gauge, Add	*3.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.63*	
		For Work In Restricted Working Space, Add	*11.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.08*	
		For Elevated Installation >40' Above Floor, Add	*20.98*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	49.86	17.80
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*17.80*	
		For 28 Gauge, Deduct	*-0.74*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.47*	
		For 20 Gauge, Add	*2.21*	
		For 18 Gauge, Add	*2.94*	
		For 16 Gauge, Add	*3.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.96*	
		For Work In Restricted Working Space, Add	*13.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.26*	
		For Elevated Installation >40' Above Floor, Add	*24.48*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	59.61	21.37
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*21.36*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.41*	
		For 16 Gauge, Add	*4.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Work In Restricted Working Space, Add	*16.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.71*	
		For Elevated Installation >40' Above Floor, Add	*29.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	73.83	26.70
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*26.71*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.92*	
		For 18 Gauge, Add	*3.88*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.22*	
		For Work In Restricted Working Space, Add	*20.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.39*	
		For Elevated Installation >40' Above Floor, Add	*36.72*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	99.79	35.61
		For Seal Class B, Add	*13.35*	
		For Seal Class A, Add	*35.61*	
		For 28 Gauge, Deduct	*-1.49*	
		For 24 Gauge, Add	*1.49*	
		For 22 Gauge, Add	*2.97*	
		For 20 Gauge, Add	*4.46*	
		For 18 Gauge, Add	*5.92*	
		For 16 Gauge, Add	*7.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.97*	
		For Work In Restricted Working Space, Add	*26.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.51*	
		For Elevated Installation >40' Above Floor, Add	*48.96*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	147.39	53.41
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*53.41*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Work In Restricted Working Space, Add	*40.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.77*	
		For Elevated Installation >40' Above Floor, Add	*73.44*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	194.60	68.25
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 28 Gauge, Deduct	*-3.32*	
		For 24 Gauge, Add	*3.31*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*9.93*	
		For 18 Gauge, Add	*13.19*	
		For 16 Gauge, Add	*16.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.75*	
		For Work In Restricted Working Space, Add	*51.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.31*	
		For Elevated Installation >40' Above Floor, Add	*93.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	254.47	86.05
		For Seal Class B, Add	*32.27*	
		For Seal Class A, Add	*86.05*	
		For 28 Gauge, Deduct	*-5.45*	
		For 24 Gauge, Add	*5.43*	
		For 22 Gauge, Add	*10.84*	
		For 20 Gauge, Add	*16.29*	
		For 18 Gauge, Add	*21.64*	
		For 16 Gauge, Add	*26.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.11*	
		For Work In Restricted Working Space, Add	*64.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*75.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*107.57*	
		For Elevated Installation >40' Above Floor, Add	*118.32*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	271.58	89.76
		For Seal Class B, Add	*33.61*	
		For Seal Class A, Add	*89.62*	
		For 28 Gauge, Deduct	*-6.58*	
		For 24 Gauge, Add	*6.56*	
		For 22 Gauge, Add	*13.10*	
		For 20 Gauge, Add	*19.68*	
		For 18 Gauge, Add	*26.15*	
		For 16 Gauge, Add	*32.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.18*	
		For Work In Restricted Working Space, Add	*67.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*56.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*78.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*112.02*	
		For Elevated Installation >40' Above Floor, Add	*123.22*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	290.88	91.99
		For Seal Class B, Add	*34.50*	
		For Seal Class A, Add	*91.99*	
		For 28 Gauge, Deduct	*-8.44*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*16.78*	
		For 20 Gauge, Add	*25.22*	
		For 18 Gauge, Add	*33.50*	
		For 16 Gauge, Add	*41.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.07*	
		For Work In Restricted Working Space, Add	*68.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*80.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*91.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*114.99*	
		For Elevated Installation >40' Above Floor, Add	*126.48*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	58.58	20.03
		For Seal Class B, Add	*7.51*	
		For Seal Class A, Add	*20.03*	
		For 28 Gauge, Deduct	*-1.18*	
		For 24 Gauge, Add	*1.17*	
		For 22 Gauge, Add	*2.34*	
		For 20 Gauge, Add	*3.52*	
		For 18 Gauge, Add	*4.68*	
		For 16 Gauge, Add	*5.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Work In Restricted Working Space, Add	*15.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.04*	
		For Elevated Installation >40' Above Floor, Add	*27.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	68.53	22.85
		For Seal Class B, Add	*8.58*	
		For Seal Class A, Add	*22.89*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.56*	
		For 22 Gauge, Add	*3.11*	
		For 20 Gauge, Add	*4.68*	
		For 18 Gauge, Add	*6.22*	
		For 16 Gauge, Add	*7.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.36*	
		For Work In Restricted Working Space, Add	*17.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.62*	
		For Elevated Installation >40' Above Floor, Add	*31.48*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	79.03	26.70
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*26.71*	
		For 28 Gauge, Deduct	*-1.70*	
		For 24 Gauge, Add	*1.69*	
		For 22 Gauge, Add	*3.38*	
		For 20 Gauge, Add	*5.08*	
		For 18 Gauge, Add	*6.74*	
		For 16 Gauge, Add	*8.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.07*	
		For Work In Restricted Working Space, Add	*20.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.39*	
		For Elevated Installation >40' Above Floor, Add	*36.72*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	94.22	32.05
		For Seal Class B, Add	*12.02*	
		For Seal Class A, Add	*32.04*	
		For 28 Gauge, Deduct	*-1.95*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.89*	
		For 20 Gauge, Add	*5.84*	
		For 18 Gauge, Add	*7.76*	
		For 16 Gauge, Add	*9.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.44*	
		For Work In Restricted Working Space, Add	*24.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.06*	
		For Elevated Installation >40' Above Floor, Add	*44.06*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	122.97	40.06
		For Seal Class B, Add	*15.02*	
		For Seal Class A, Add	*40.06*	
		For 28 Gauge, Deduct	*-3.16*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*6.28*	
		For 20 Gauge, Add	*9.44*	
		For 18 Gauge, Add	*12.55*	
		For 16 Gauge, Add	*15.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.88*	
		For Work In Restricted Working Space, Add	*30.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.08*	
		For Elevated Installation >40' Above Floor, Add	*55.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	162.63	53.41
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*53.41*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Work In Restricted Working Space, Add	*40.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.77*	
		For Elevated Installation >40' Above Floor, Add	*73.44*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	229.36	80.12
		For Seal Class B, Add	*30.04*	
		For Seal Class A, Add	*80.10*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Work In Restricted Working Space, Add	*60.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.13*	
		For Elevated Installation >40' Above Floor, Add	*110.14*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	311.23	102.07
		For Seal Class B, Add	*38.37*	
		For Seal Class A, Add	*102.32*	
		For 28 Gauge, Deduct	*-7.68*	
		For 24 Gauge, Add	*7.65*	
		For 22 Gauge, Add	*15.27*	
		For 20 Gauge, Add	*22.95*	
		For 18 Gauge, Add	*30.49*	
		For 16 Gauge, Add	*37.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.02*	
		For Work In Restricted Working Space, Add	*76.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*25.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*51.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*63.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*89.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*102.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*127.90*	
		For Elevated Installation >40' Above Floor, Add	*140.69*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	400.35	129.37
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*129.01*	
		For 28 Gauge, Deduct	*-10.78*	
		For 24 Gauge, Add	*10.74*	
		For 22 Gauge, Add	*21.44*	
		For 20 Gauge, Add	*32.22*	
		For 18 Gauge, Add	*42.80*	
		For 16 Gauge, Add	*52.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.59*	
		For Work In Restricted Working Space, Add	*96.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*32.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*64.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*80.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*112.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*129.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*161.27*	
		For Elevated Installation >40' Above Floor, Add	*177.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	459.67	143.92
		For Seal Class B, Add	*54.08*	
		For Seal Class A, Add	*144.21*	
		For 28 Gauge, Deduct	*-13.73*	
		For 24 Gauge, Add	*13.68*	
		For 22 Gauge, Add	*27.31*	
		For 20 Gauge, Add	*41.04*	
		For 18 Gauge, Add	*54.53*	
		For 16 Gauge, Add	*66.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.36*	
		For Work In Restricted Working Space, Add	*108.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*36.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*180.27*	
		For Elevated Installation >40' Above Floor, Add	*198.29*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	482.41	149.11
		For Seal Class B, Add	*55.86*	
		For Seal Class A, Add	*148.96*	
		For 28 Gauge, Deduct	*-15.24*	
		For 24 Gauge, Add	*15.18*	
		For 22 Gauge, Add	*30.31*	
		For 20 Gauge, Add	*45.54*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*74.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.41*	
		For Work In Restricted Working Space, Add	*111.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*37.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*74.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*93.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*130.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*148.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*186.20*	
		For Elevated Installation >40' Above Floor, Add	*204.82*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.60	
		For Seal Class B, Add	*3.56*	
		For Seal Class A, Add	*9.50*	
		For Work In Restricted Working Space, Add	*7.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.87*	
		For Elevated Installation >40' Above Floor, Add	*13.06*	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.02	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*9.98*	
		For Work In Restricted Working Space, Add	*7.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.48*	
		For Elevated Installation >40' Above Floor, Add	*13.72*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.00	
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*8.01*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.35*	
		For Elevated Installation >40' Above Floor, Add	*14.69*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	31.96	
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*11.28*	
		For Work In Restricted Working Space, Add	*8.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.10*	
		For Elevated Installation >40' Above Floor, Add	*15.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	34.67	
		For Seal Class B, Add	*4.56*	
		For Seal Class A, Add	*12.16*	
		For Work In Restricted Working Space, Add	*9.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.21*	
		For Elevated Installation >40' Above Floor, Add	*16.73*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	40.69	
		For Seal Class B, Add	*5.10*	
		For Seal Class A, Add	*13.59*	
		For Work In Restricted Working Space, Add	*10.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.99*	
		For Elevated Installation >40' Above Floor, Add	*18.68*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	55.58	
		For Seal Class B, Add	*7.12*	
		For Seal Class A, Add	*18.99*	
		For Work In Restricted Working Space, Add	*14.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.74*	
		For Elevated Installation >40' Above Floor, Add	*26.11*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	63.44	
		For Seal Class B, Add	*8.10*	
		For Seal Class A, Add	*21.61*	
		For Work In Restricted Working Space, Add	*16.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.01*	
		For Elevated Installation >40' Above Floor, Add	*29.71*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	69.76	
		For Seal Class B, Add	*8.88*	
		For Seal Class A, Add	*23.68*	
		For Work In Restricted Working Space, Add	*17.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.61*	
		For Elevated Installation >40' Above Floor, Add	*32.57*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	75.89	
		For Seal Class B, Add	*9.62*	
		For Seal Class A, Add	*25.64*	
		For Work In Restricted Working Space, Add	*19.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.05*	
		For Elevated Installation >40' Above Floor, Add	*35.26*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	82.67	
		For Seal Class B, Add	*10.48*	
		For Seal Class A, Add	*27.95*	
		For Work In Restricted Working Space, Add	*20.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.94*	
		For Elevated Installation >40' Above Floor, Add	*38.43*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	11.97	1.37
		For Seal Class B, Add	*1.10*	
		For Seal Class A, Add	*2.93*	
		For Up To 20', Add	*1.39*	
		For >20' To 50', Add	*0.56*	
		For >200' To 500', Deduct	*-0.35*	
		For >500', Deduct	*-0.58*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*2.13*	
		For 20 Gauge, Add	*3.48*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.43*	
		For Work In Restricted Working Space, Add	*2.20*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	15.51	2.73
		For Seal Class B, Add	*1.32*	
		For Seal Class A, Add	*3.52*	
		For Up To 20', Add	*2.01*	
		For >20' To 50', Add	*0.81*	
		For >200' To 500', Deduct	*-0.50*	
		For >500', Deduct	*-0.84*	
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*3.09*	
		For 20 Gauge, Add	*5.03*	
		For 18 Gauge, Add	*7.72*	
		For 16 Gauge, Add	*9.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.97*	
		For Work In Restricted Working Space, Add	*2.64*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	19.76	2.73
		For Seal Class B, Add	*1.64*	
		For Seal Class A, Add	*4.37*	
		For Up To 20', Add	*2.65*	
		For >20' To 50', Add	*1.06*	
		For >200' To 500', Deduct	*-0.66*	
		For >500', Deduct	*-1.11*	
		For 24 Gauge, Add	*1.77*	
		For 22 Gauge, Add	*4.07*	
		For 20 Gauge, Add	*6.63*	
		For 18 Gauge, Add	*10.17*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.54*	
		For Work In Restricted Working Space, Add	*3.28*	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	24.04	2.73
		For Seal Class B, Add	*1.97*	
		For Seal Class A, Add	*5.25*	
		For Up To 20', Add	*3.28*	
		For >20' To 50', Add	*1.31*	
		For >200' To 500', Deduct	*-0.82*	
		For >500', Deduct	*-1.37*	
		For 24 Gauge, Add	*2.18*	
		For 22 Gauge, Add	*5.02*	
		For 20 Gauge, Add	*8.19*	
		For 18 Gauge, Add	*12.56*	
		For 16 Gauge, Add	*15.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.08*	
		For Work In Restricted Working Space, Add	*3.94*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	29.85	4.11
		For Seal Class B, Add	*2.46*	
		For Seal Class A, Add	*6.57*	
		For Up To 20', Add	*4.03*	
		For >20' To 50', Add	*1.61*	
		For >200' To 500', Deduct	*-1.01*	
		For >500', Deduct	*-1.68*	
		For 24 Gauge, Add	*2.69*	
		For 22 Gauge, Add	*6.18*	
		For 20 Gauge, Add	*10.07*	
		For 18 Gauge, Add	*15.44*	
		For 16 Gauge, Add	*18.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.94*	
		For Work In Restricted Working Space, Add	*4.93*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	36.08	4.11
		For Seal Class B, Add	*3.08*	
		For Seal Class A, Add	*8.21*	
		For Up To 20', Add	*4.67*	
		For >20' To 50', Add	*1.87*	
		For >200' To 500', Deduct	*-1.17*	
		For >500', Deduct	*-1.94*	
		For 24 Gauge, Add	*3.11*	
		For 22 Gauge, Add	*7.15*	
		For 20 Gauge, Add	*11.66*	
		For 18 Gauge, Add	*17.88*	
		For 16 Gauge, Add	*21.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	49.93	4.11
		For Seal Class B, Add	*4.10*	
		For Seal Class A, Add	*10.94*	
		For Up To 20', Add	*6.78*	
		For >20' To 50', Add	*2.71*	
		For >200' To 500', Deduct	*-1.69*	
		For >500', Deduct	*-2.82*	
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*10.39*	
		For 20 Gauge, Add	*16.94*	
		For 18 Gauge, Add	*25.98*	
		For 16 Gauge, Add	*31.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.72*	
		For Work In Restricted Working Space, Add	*8.20*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	56.91	5.48
		For Seal Class B, Add	*4.78*	
		For Seal Class A, Add	*12.74*	
		For Up To 20', Add	*7.52*	
		For >20' To 50', Add	*3.01*	
		For >200' To 500', Deduct	*-1.88*	
		For >500', Deduct	*-3.13*	
		For 24 Gauge, Add	*5.01*	
		For 22 Gauge, Add	*11.52*	
		For 20 Gauge, Add	*18.79*	
		For 18 Gauge, Add	*28.81*	
		For 16 Gauge, Add	*35.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.54*	
		For Work In Restricted Working Space, Add	*9.56*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	64.13	5.48
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*14.48*	
		For Up To 20', Add	*8.38*	
		For >20' To 50', Add	*3.35*	
		For >200' To 500', Deduct	*-2.10*	
		For >500', Deduct	*-3.49*	
		For 24 Gauge, Add	*5.59*	
		For 22 Gauge, Add	*12.85*	
		For 20 Gauge, Add	*20.96*	
		For 18 Gauge, Add	*32.13*	
		For 16 Gauge, Add	*39.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.68*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	71.64	6.84
		For Seal Class B, Add	*6.11*	
		For Seal Class A, Add	*16.30*	
		For Up To 20', Add	*9.27*	
		For >20' To 50', Add	*3.71*	
		For >200' To 500', Deduct	*-2.32*	
		For >500', Deduct	*-3.86*	
		For 24 Gauge, Add	*6.18*	
		For 22 Gauge, Add	*14.21*	
		For 20 Gauge, Add	*23.17*	
		For 18 Gauge, Add	*35.52*	
		For 16 Gauge, Add	*43.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.86*	
		For Work In Restricted Working Space, Add	*12.23*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	79.17	8.21
		For Seal Class B, Add	*6.84*	
		For Seal Class A, Add	*18.24*	
		For Up To 20', Add	*10.07*	
		For >20' To 50', Add	*4.03*	
		For >200' To 500', Deduct	*-2.52*	
		For >500', Deduct	*-4.20*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*15.44*	
		For 20 Gauge, Add	*25.17*	
		For 18 Gauge, Add	*38.59*	
		For 16 Gauge, Add	*46.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.83*	
		For Work In Restricted Working Space, Add	*13.68*	
23 31 13 16-0087		Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*		
23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	96.15	19.16
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*29.59*	
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*10.20*	
		For 20 Gauge, Add	*16.64*	
		For 18 Gauge, Add	*25.51*	
		For 16 Gauge, Add	*31.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*22.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	140.96	27.37
		For Seal Class B, Add	*16.42*	
		For Seal Class A, Add	*43.79*	
		For 24 Gauge, Add	*6.30*	
		For 22 Gauge, Add	*14.48*	
		For 20 Gauge, Add	*23.61*	
		For 18 Gauge, Add	*36.20*	
		For 16 Gauge, Add	*44.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.30*	
		For Work In Restricted Working Space, Add	*32.84*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	204.10	35.58
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*12.01*	
		For 22 Gauge, Add	*27.62*	
		For 20 Gauge, Add	*45.03*	
		For 18 Gauge, Add	*69.05*	
		For 16 Gauge, Add	*84.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.43*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	253.16	45.16
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*72.99*	
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.52*	
		For 20 Gauge, Add	*53.02*	
		For 18 Gauge, Add	*81.29*	
		For 16 Gauge, Add	*98.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.31*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	311.10	57.48
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*16.60*	
		For 22 Gauge, Add	*38.18*	
		For 20 Gauge, Add	*62.26*	
		For 18 Gauge, Add	*95.46*	
		For 16 Gauge, Add	*116.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*61.43*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	341.22	62.95
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.53*	
		For 24 Gauge, Add	*18.48*	
		For 22 Gauge, Add	*42.50*	
		For 20 Gauge, Add	*69.30*	
		For 18 Gauge, Add	*106.26*	
		For 16 Gauge, Add	*129.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.38*	
		For Work In Restricted Working Space, Add	*74.65*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	402.44	73.90
		For Seal Class B, Add	*44.15*	
		For Seal Class A, Add	*117.72*	
		For 24 Gauge, Add	*21.63*	
		For 22 Gauge, Add	*49.74*	
		For 20 Gauge, Add	*81.11*	
		For 18 Gauge, Add	*124.36*	
		For 16 Gauge, Add	*151.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*80.02*	
		For Work In Restricted Working Space, Add	*88.29*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	489.38	91.69
		For Seal Class B, Add	*54.74*	
		For Seal Class A, Add	*145.98*	
		For 24 Gauge, Add	*24.89*	
		For 22 Gauge, Add	*57.24*	
		For 20 Gauge, Add	*93.33*	
		For 18 Gauge, Add	*143.11*	
		For 16 Gauge, Add	*174.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.09*	
		For Work In Restricted Working Space, Add	*109.48*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	588.35	110.85
		For Seal Class B, Add	*66.22*	
		For Seal Class A, Add	*176.58*	
		For 24 Gauge, Add	*29.38*	
		For 22 Gauge, Add	*67.57*	
		For 20 Gauge, Add	*110.17*	
		For 18 Gauge, Add	*168.92*	
		For 16 Gauge, Add	*205.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*108.70*	
		For Work In Restricted Working Space, Add	*132.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	683.12	128.64
		For Seal Class B, Add	*77.46*	
		For Seal Class A, Add	*206.57*	
		For 24 Gauge, Add	*33.34*	
		For 22 Gauge, Add	*76.68*	
		For 20 Gauge, Add	*125.03*	
		For 18 Gauge, Add	*191.71*	
		For 16 Gauge, Add	*233.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*123.36*	
		For Work In Restricted Working Space, Add	*154.93*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	788.08	146.43
		For Seal Class B, Add	*87.35*	
		For Seal Class A, Add	*232.94*	
		For 24 Gauge, Add	*41.15*	
		For 22 Gauge, Add	*94.64*	
		For 20 Gauge, Add	*154.30*	
		For 18 Gauge, Add	*236.59*	
		For 16 Gauge, Add	*288.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*152.24*	
		For Work In Restricted Working Space, Add	*174.71*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	97.19	19.16
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*29.59*	
		For 24 Gauge, Add	*4.64*	
		For 22 Gauge, Add	*10.68*	
		For 20 Gauge, Add	*17.42*	
		For 18 Gauge, Add	*26.70*	
		For 16 Gauge, Add	*32.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.18*	
		For Work In Restricted Working Space, Add	*22.19*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	135.56	27.37
		For Seal Class B, Add	*16.42*	
		For Seal Class A, Add	*43.79*	
		For 24 Gauge, Add	*5.22*	
		For 22 Gauge, Add	*12.00*	
		For 20 Gauge, Add	*19.56*	
		For 18 Gauge, Add	*29.99*	
		For 16 Gauge, Add	*36.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.30*	
		For Work In Restricted Working Space, Add	*32.84*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	179.04	35.58
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*7.00*	
		For 22 Gauge, Add	*16.09*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*40.23*	
		For 16 Gauge, Add	*48.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.89*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	226.19	45.16
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*72.99*	
		For 24 Gauge, Add	*8.74*	
		For 22 Gauge, Add	*20.11*	
		For 20 Gauge, Add	*32.79*	
		For 18 Gauge, Add	*50.28*	
		For 16 Gauge, Add	*61.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.35*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	278.90	57.48
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*10.16*	
		For 22 Gauge, Add	*23.37*	
		For 20 Gauge, Add	*38.11*	
		For 18 Gauge, Add	*58.43*	
		For 16 Gauge, Add	*71.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.60*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	305.30	62.95
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.53*	
		For 24 Gauge, Add	*11.30*	
		For 22 Gauge, Add	*25.98*	
		For 20 Gauge, Add	*42.36*	
		For 18 Gauge, Add	*64.95*	
		For 16 Gauge, Add	*79.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.80*	
		For Work In Restricted Working Space, Add	*74.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	386.89	73.90
		For Seal Class B, Add	*44.15*	
		For Seal Class A, Add	*117.72*	
		For 24 Gauge, Add	*18.52*	
		For 22 Gauge, Add	*42.59*	
		For 20 Gauge, Add	*69.44*	
		For 18 Gauge, Add	*106.48*	
		For 16 Gauge, Add	*129.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.52*	
		For Work In Restricted Working Space, Add	*88.29*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	478.36	91.69
		For Seal Class B, Add	*54.74*	
		For Seal Class A, Add	*145.98*	
		For 24 Gauge, Add	*22.68*	
		For 22 Gauge, Add	*52.17*	
		For 20 Gauge, Add	*85.07*	
		For 18 Gauge, Add	*130.43*	
		For 16 Gauge, Add	*158.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.93*	
		For Work In Restricted Working Space, Add	*109.48*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	584.97	110.85
		For Seal Class B, Add	*66.22*	
		For Seal Class A, Add	*176.58*	
		For 24 Gauge, Add	*28.70*	
		For 22 Gauge, Add	*66.01*	
		For 20 Gauge, Add	*107.63*	
		For 18 Gauge, Add	*165.04*	
		For 16 Gauge, Add	*200.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.20*	
		For Work In Restricted Working Space, Add	*132.44*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	644.89	128.64
		For Seal Class B, Add	*77.46*	
		For Seal Class A, Add	*206.57*	
		For 24 Gauge, Add	*25.69*	
		For 22 Gauge, Add	*59.10*	
		For 20 Gauge, Add	*96.35*	
		For 18 Gauge, Add	*147.74*	
		For 16 Gauge, Add	*179.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*95.07*	
		For Work In Restricted Working Space, Add	*154.93*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	774.47	146.43
		For Seal Class B, Add	*87.35*	
		For Seal Class A, Add	*232.94*	
		For 24 Gauge, Add	*38.42*	
		For 22 Gauge, Add	*88.38*	
		For 20 Gauge, Add	*144.09*	
		For 18 Gauge, Add	*220.94*	
		For 16 Gauge, Add	*268.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*142.17*	
		For Work In Restricted Working Space, Add	*174.71*	
23 31 13 16-0111		**Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals** *(23 31 13 16-0074)*		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	193.96	35.58
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*9.98*	
		For 22 Gauge, Add	*22.95*	
		For 20 Gauge, Add	*37.43*	
		For 18 Gauge, Add	*57.39*	
		For 16 Gauge, Add	*69.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.93*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	280.41	57.48
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*10.46*	
		For 22 Gauge, Add	*24.07*	
		For 20 Gauge, Add	*39.24*	
		For 18 Gauge, Add	*60.17*	
		For 16 Gauge, Add	*73.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.72*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	351.74	73.90
		For Seal Class B, Add	*44.15*	
		For Seal Class A, Add	*117.72*	
		For 24 Gauge, Add	*11.49*	
		For 22 Gauge, Add	*26.42*	
		For 20 Gauge, Add	*43.08*	
		For 18 Gauge, Add	*66.06*	
		For 16 Gauge, Add	*80.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.51*	
		For Work In Restricted Working Space, Add	*88.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	424.94	91.69
		For Seal Class B, Add	*54.74*	
		For Seal Class A, Add	*145.98*	
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*27.60*	
		For 20 Gauge, Add	*45.00*	
		For 18 Gauge, Add	*69.00*	
		For 16 Gauge, Add	*84.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.40*	
		For Work In Restricted Working Space, Add	*109.48*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	503.42	110.85
		For Seal Class B, Add	*66.22*	
		For Seal Class A, Add	*176.58*	
		For 24 Gauge, Add	*12.39*	
		For 22 Gauge, Add	*28.50*	
		For 20 Gauge, Add	*46.47*	
		For 18 Gauge, Add	*71.25*	
		For 16 Gauge, Add	*86.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.85*	
		For Work In Restricted Working Space, Add	*132.44*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	583.81	128.64
		For Seal Class B, Add	*77.46*	
		For Seal Class A, Add	*206.57*	
		For 24 Gauge, Add	*13.48*	
		For 22 Gauge, Add	*31.00*	
		For 20 Gauge, Add	*50.54*	
		For 18 Gauge, Add	*77.50*	
		For 16 Gauge, Add	*94.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.87*	
		For Work In Restricted Working Space, Add	*154.93*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	652.45	146.43
		For Seal Class B, Add	*87.35*	
		For Seal Class A, Add	*232.94*	
		For 24 Gauge, Add	*14.02*	
		For 22 Gauge, Add	*32.25*	
		For 20 Gauge, Add	*52.58*	
		For 18 Gauge, Add	*80.62*	
		For 16 Gauge, Add	*98.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.87*	
		For Work In Restricted Working Space, Add	*174.71*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	740.24	166.96
		For Seal Class B, Add	*100.14*	
		For Seal Class A, Add	*267.03*	
		For 24 Gauge, Add	*14.53*	
		For 22 Gauge, Add	*33.43*	
		For 20 Gauge, Add	*54.50*	
		For 18 Gauge, Add	*83.57*	
		For 16 Gauge, Add	*101.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*53.78*	
		For Work In Restricted Working Space, Add	*200.27*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	827.18	184.75
		For Seal Class B, Add	*110.96*	
		For Seal Class A, Add	*295.90*	
		For 24 Gauge, Add	*17.49*	
		For 22 Gauge, Add	*40.22*	
		For 20 Gauge, Add	*65.58*	
		For 18 Gauge, Add	*100.56*	
		For 16 Gauge, Add	*122.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.71*	
		For Work In Restricted Working Space, Add	*221.92*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	895.32	201.17
		For Seal Class B, Add	*120.75*	
		For Seal Class A, Add	*322.00*	
		For 24 Gauge, Add	*18.06*	
		For 22 Gauge, Add	*41.54*	
		For 20 Gauge, Add	*67.73*	
		For 18 Gauge, Add	*103.86*	
		For 16 Gauge, Add	*126.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.83*	
		For Work In Restricted Working Space, Add	*241.50*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	292.05	62.00
		For Seal Class B, Add	*37.22*	
		For Seal Class A, Add	*99.24*	
		For 24 Gauge, Add	*8.79*	
		For 22 Gauge, Add	*20.22*	
		For 20 Gauge, Add	*32.96*	
		For 18 Gauge, Add	*50.54*	
		For 16 Gauge, Add	*61.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.52*	
		For Work In Restricted Working Space, Add	*74.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	353.78	74.59
		For Seal Class B, Add	*44.74*	
		For Seal Class A, Add	*119.31*	
		For 24 Gauge, Add	*11.10*	
		For 22 Gauge, Add	*25.53*	
		For 20 Gauge, Add	*41.63*	
		For 18 Gauge, Add	*63.83*	
		For 16 Gauge, Add	*77.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.07*	
		For Work In Restricted Working Space, Add	*89.48*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	429.79	90.60
		For Seal Class B, Add	*54.36*	
		For Seal Class A, Add	*144.97*	
		For 24 Gauge, Add	*13.47*	
		For 22 Gauge, Add	*30.99*	
		For 20 Gauge, Add	*50.53*	
		For 18 Gauge, Add	*77.48*	
		For 16 Gauge, Add	*94.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.85*	
		For Work In Restricted Working Space, Add	*108.73*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	511.66	107.70
		For Seal Class B, Add	*64.72*	
		For Seal Class A, Add	*172.58*	
		For 24 Gauge, Add	*16.04*	
		For 22 Gauge, Add	*36.90*	
		For 20 Gauge, Add	*60.17*	
		For 18 Gauge, Add	*92.25*	
		For 16 Gauge, Add	*112.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.36*	
		For Work In Restricted Working Space, Add	*129.43*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	646.59	138.49
		For Seal Class B, Add	*83.04*	
		For Seal Class A, Add	*221.44*	
		For 24 Gauge, Add	*18.60*	
		For 22 Gauge, Add	*42.77*	
		For 20 Gauge, Add	*69.74*	
		For 18 Gauge, Add	*106.93*	
		For 16 Gauge, Add	*130.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.81*	
		For Work In Restricted Working Space, Add	*166.08*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	718.43	153.68
		For Seal Class B, Add	*92.13*	
		For Seal Class A, Add	*245.69*	
		For 24 Gauge, Add	*20.84*	
		For 22 Gauge, Add	*47.93*	
		For 20 Gauge, Add	*78.15*	
		For 18 Gauge, Add	*119.83*	
		For 16 Gauge, Add	*145.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*77.11*	
		For Work In Restricted Working Space, Add	*184.27*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	816.82	174.90
		For Seal Class B, Add	*104.73*	
		For Seal Class A, Add	*279.29*	
		For 24 Gauge, Add	*23.72*	
		For 22 Gauge, Add	*54.56*	
		For 20 Gauge, Add	*88.95*	
		For 18 Gauge, Add	*136.39*	
		For 16 Gauge, Add	*166.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*87.76*	
		For Work In Restricted Working Space, Add	*209.47*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	877.57	186.53
		For Seal Class B, Add	*111.81*	
		For Seal Class A, Add	*298.15*	
		For 24 Gauge, Add	*26.44*	
		For 22 Gauge, Add	*60.81*	
		For 20 Gauge, Add	*99.14*	
		For 18 Gauge, Add	*152.02*	
		For 16 Gauge, Add	*185.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*97.82*	
		For Work In Restricted Working Space, Add	*223.61*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	952.06	202.26
		For Seal Class B, Add	*121.32*	
		For Seal Class A, Add	*323.53*	
		For 24 Gauge, Add	*28.65*	
		For 22 Gauge, Add	*65.89*	
		For 20 Gauge, Add	*107.43*	
		For 18 Gauge, Add	*164.73*	
		For 16 Gauge, Add	*200.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.00*	
		For Work In Restricted Working Space, Add	*242.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	386.46	82.11
		For Seal Class B, Add	*49.20*	
		For Seal Class A, Add	*131.21*	
		For 24 Gauge, Add	*11.69*	
		For 22 Gauge, Add	*26.88*	
		For 20 Gauge, Add	*43.83*	
		For 18 Gauge, Add	*67.21*	
		For 16 Gauge, Add	*81.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.25*	
		For Work In Restricted Working Space, Add	*98.41*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	469.63	99.90
		For Seal Class B, Add	*59.81*	
		For Seal Class A, Add	*159.50*	
		For 24 Gauge, Add	*14.18*	
		For 22 Gauge, Add	*32.60*	
		For 20 Gauge, Add	*53.16*	
		For 18 Gauge, Add	*81.51*	
		For 16 Gauge, Add	*99.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.45*	
		For Work In Restricted Working Space, Add	*119.63*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	558.99	118.37
		For Seal Class B, Add	*71.18*	
		For Seal Class A, Add	*189.81*	
		For 24 Gauge, Add	*16.89*	
		For 22 Gauge, Add	*38.86*	
		For 20 Gauge, Add	*63.35*	
		For 18 Gauge, Add	*97.14*	
		For 16 Gauge, Add	*118.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.51*	
		For Work In Restricted Working Space, Add	*142.36*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	648.83	137.95
		For Seal Class B, Add	*82.64*	
		For Seal Class A, Add	*220.37*	
		For 24 Gauge, Add	*19.58*	
		For 22 Gauge, Add	*45.03*	
		For 20 Gauge, Add	*73.43*	
		For 18 Gauge, Add	*112.59*	
		For 16 Gauge, Add	*137.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.45*	
		For Work In Restricted Working Space, Add	*165.28*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	726.13	154.23
		For Seal Class B, Add	*92.47*	
		For Seal Class A, Add	*246.58*	
		For 24 Gauge, Add	*21.94*	
		For 22 Gauge, Add	*50.45*	
		For 20 Gauge, Add	*82.26*	
		For 18 Gauge, Add	*126.13*	
		For 16 Gauge, Add	*153.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.16*	
		For Work In Restricted Working Space, Add	*184.94*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	825.91	175.45
		For Seal Class B, Add	*105.16*	
		For Seal Class A, Add	*280.44*	
		For 24 Gauge, Add	*24.96*	
		For 22 Gauge, Add	*57.42*	
		For 20 Gauge, Add	*93.62*	
		For 18 Gauge, Add	*143.54*	
		For 16 Gauge, Add	*174.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.37*	
		For Work In Restricted Working Space, Add	*210.33*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	922.06	195.69
		For Seal Class B, Add	*117.44*	
		For Seal Class A, Add	*313.16*	
		For 24 Gauge, Add	*27.83*	
		For 22 Gauge, Add	*64.01*	
		For 20 Gauge, Add	*104.36*	
		For 18 Gauge, Add	*160.02*	
		For 16 Gauge, Add	*194.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*102.97*	
		For Work In Restricted Working Space, Add	*234.87*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	999.73	212.39
		For Seal Class B, Add	*127.34*	
		For Seal Class A, Add	*339.58*	
		For 24 Gauge, Add	*30.15*	
		For 22 Gauge, Add	*69.35*	
		For 20 Gauge, Add	*113.08*	
		For 18 Gauge, Add	*173.39*	
		For 16 Gauge, Add	*211.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*111.57*	
		For Work In Restricted Working Space, Add	*254.69*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	127.42	27.37
		For Seal Class B, Add	*16.42*	
		For Seal Class A, Add	*43.79*	
		For 24 Gauge, Add	*3.59*	
		For 22 Gauge, Add	*8.25*	
		For 20 Gauge, Add	*13.46*	
		For 18 Gauge, Add	*20.63*	
		For 16 Gauge, Add	*25.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.28*	
		For Work In Restricted Working Space, Add	*32.84*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	163.81	35.58
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*3.95*	
		For 22 Gauge, Add	*9.09*	
		For 20 Gauge, Add	*14.81*	
		For 18 Gauge, Add	*22.71*	
		For 16 Gauge, Add	*27.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.62*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	204.33	45.16
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*72.99*	
		For 24 Gauge, Add	*4.37*	
		For 22 Gauge, Add	*10.06*	
		For 20 Gauge, Add	*16.40*	
		For 18 Gauge, Add	*25.14*	
		For 16 Gauge, Add	*30.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.18*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	252.06	57.48
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*4.79*	
		For 22 Gauge, Add	*11.03*	
		For 20 Gauge, Add	*17.98*	
		For 18 Gauge, Add	*27.57*	
		For 16 Gauge, Add	*33.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.74*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	275.51	62.95
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.53*	
		For 24 Gauge, Add	*5.34*	
		For 22 Gauge, Add	*12.28*	
		For 20 Gauge, Add	*20.02*	
		For 18 Gauge, Add	*30.69*	
		For 16 Gauge, Add	*37.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.75*	
		For Work In Restricted Working Space, Add	*74.65*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	340.43	73.90
		For Seal Class B, Add	*44.15*	
		For Seal Class A, Add	*117.72*	
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.22*	
		For 20 Gauge, Add	*34.60*	
		For 18 Gauge, Add	*53.05*	
		For 16 Gauge, Add	*64.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Work In Restricted Working Space, Add	*88.29*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	414.24	91.69
		For Seal Class B, Add	*54.74*	
		For Seal Class A, Add	*145.98*	
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.68*	
		For 20 Gauge, Add	*36.98*	
		For 18 Gauge, Add	*56.70*	
		For 16 Gauge, Add	*69.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.48*	
		For Work In Restricted Working Space, Add	*109.48*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	494.08	110.85
		For Seal Class B, Add	*66.22*	
		For Seal Class A, Add	*176.58*	
		For 24 Gauge, Add	*10.52*	
		For 22 Gauge, Add	*24.21*	
		For 20 Gauge, Add	*39.47*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*73.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.94*	
		For Work In Restricted Working Space, Add	*132.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	572.35	128.64
		For Seal Class B, Add	*77.46*	
		For Seal Class A, Add	*206.57*	
		For 24 Gauge, Add	*11.19*	
		For 22 Gauge, Add	*25.73*	
		For 20 Gauge, Add	*41.95*	
		For 18 Gauge, Add	*64.32*	
		For 16 Gauge, Add	*78.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.39*	
		For Work In Restricted Working Space, Add	*154.93*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	641.30	146.43
		For Seal Class B, Add	*87.35*	
		For Seal Class A, Add	*232.94*	
		For 24 Gauge, Add	*11.79*	
		For 22 Gauge, Add	*27.12*	
		For 20 Gauge, Add	*44.21*	
		For 18 Gauge, Add	*67.79*	
		For 16 Gauge, Add	*82.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.62*	
		For Work In Restricted Working Space, Add	*174.71*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	82.46	19.16
		For Seal Class B, Add	*11.10*	
		For Seal Class A, Add	*29.59*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.37*	
		For 18 Gauge, Add	*9.76*	
		For 16 Gauge, Add	*11.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.28*	
		For Work In Restricted Working Space, Add	*22.19*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	119.13	27.37
		For Seal Class B, Add	*16.42*	
		For Seal Class A, Add	*43.79*	
		For 24 Gauge, Add	*1.93*	
		For 22 Gauge, Add	*4.44*	
		For 20 Gauge, Add	*7.24*	
		For 18 Gauge, Add	*11.10*	
		For 16 Gauge, Add	*13.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.14*	
		For Work In Restricted Working Space, Add	*32.84*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	154.46	35.58
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.78*	
		For 20 Gauge, Add	*7.80*	
		For 18 Gauge, Add	*11.96*	
		For 16 Gauge, Add	*14.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.70*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	193.63	45.16
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*72.99*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	240.00	57.48
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*2.38*	
		For 22 Gauge, Add	*5.48*	
		For 20 Gauge, Add	*8.93*	
		For 18 Gauge, Add	*13.70*	
		For 16 Gauge, Add	*16.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	261.48	62.95
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.53*	
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.82*	
		For 20 Gauge, Add	*9.50*	
		For 18 Gauge, Add	*14.56*	
		For 16 Gauge, Add	*17.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.37*	
		For Work In Restricted Working Space, Add	*74.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	308.32	73.90
		For Seal Class B, Add	*44.15*	
		For Seal Class A, Add	*117.72*	
		For 24 Gauge, Add	*2.80*	
		For 22 Gauge, Add	*6.45*	
		For 20 Gauge, Add	*10.52*	
		For 18 Gauge, Add	*16.12*	
		For 16 Gauge, Add	*19.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.37*	
		For Work In Restricted Working Space, Add	*88.29*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	379.71	91.69
		For Seal Class B, Add	*54.74*	
		For Seal Class A, Add	*145.98*	
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*6.79*	
		For 20 Gauge, Add	*11.08*	
		For 18 Gauge, Add	*16.99*	
		For 16 Gauge, Add	*20.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.93*	
		For Work In Restricted Working Space, Add	*109.48*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	457.14	110.85
		For Seal Class B, Add	*66.22*	
		For Seal Class A, Add	*176.58*	
		For 24 Gauge, Add	*3.14*	
		For 22 Gauge, Add	*7.21*	
		For 20 Gauge, Add	*11.76*	
		For 18 Gauge, Add	*18.03*	
		For 16 Gauge, Add	*21.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.60*	
		For Work In Restricted Working Space, Add	*132.44*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	532.70	258.65
		For Seal Class B, Add	*77.46*	
		For Seal Class A, Add	*206.57*	
		For 24 Gauge, Add	*3.26*	
		For 22 Gauge, Add	*7.49*	
		For 20 Gauge, Add	*12.21*	
		For 18 Gauge, Add	*18.72*	
		For 16 Gauge, Add	*22.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.05*	
		For Work In Restricted Working Space, Add	*154.93*	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	599.54	291.50
		For Seal Class B, Add	*87.35*	
		For Seal Class A, Add	*232.94*	
		For 24 Gauge, Add	*3.44*	
		For 22 Gauge, Add	*7.91*	
		For 20 Gauge, Add	*12.89*	
		For 18 Gauge, Add	*19.77*	
		For 16 Gauge, Add	*24.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.72*	
		For Work In Restricted Working Space, Add	*174.71*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	46.94	19.16
		For Seal Class B, Add	*5.55*	
		For Seal Class A, Add	*14.80*	
		For 24 Gauge, Add	*1.99*	
		For 22 Gauge, Add	*4.58*	
		For 20 Gauge, Add	*7.46*	
		For 18 Gauge, Add	*11.44*	
		For 16 Gauge, Add	*13.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.36*	
		For Work In Restricted Working Space, Add	*11.10*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	65.90	27.37
		For Seal Class B, Add	*8.21*	
		For Seal Class A, Add	*21.90*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*16.42*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	84.23	36.95
		For Seal Class B, Add	*10.80*	
		For Seal Class A, Add	*28.81*	
		For 24 Gauge, Add	*2.44*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*9.16*	
		For 18 Gauge, Add	*14.04*	
		For 16 Gauge, Add	*17.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.04*	
		For Work In Restricted Working Space, Add	*21.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	104.80	46.53
		For Seal Class B, Add	*13.68*	
		For Seal Class A, Add	*36.49*	
		For 24 Gauge, Add	*2.71*	
		For 22 Gauge, Add	*6.24*	
		For 20 Gauge, Add	*10.18*	
		For 18 Gauge, Add	*15.61*	
		For 16 Gauge, Add	*19.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.04*	
		For Work In Restricted Working Space, Add	*27.37*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	129.12	57.48
		For Seal Class B, Add	*17.11*	
		For Seal Class A, Add	*45.62*	
		For 24 Gauge, Add	*3.02*	
		For 22 Gauge, Add	*6.94*	
		For 20 Gauge, Add	*11.31*	
		For 18 Gauge, Add	*17.34*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.16*	
		For Work In Restricted Working Space, Add	*34.21*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	140.99	62.95
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*49.76*	
		For 24 Gauge, Add	*3.32*	
		For 22 Gauge, Add	*7.63*	
		For 20 Gauge, Add	*12.44*	
		For 18 Gauge, Add	*19.07*	
		For 16 Gauge, Add	*23.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.27*	
		For Work In Restricted Working Space, Add	*37.32*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	163.21	72.53
		For Seal Class B, Add	*21.61*	
		For Seal Class A, Add	*57.62*	
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*8.81*	
		For 20 Gauge, Add	*14.36*	
		For 18 Gauge, Add	*22.02*	
		For 16 Gauge, Add	*26.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.17*	
		For Work In Restricted Working Space, Add	*43.22*	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	247.00	91.69
		For Seal Class B, Add	*27.37*	
		For Seal Class A, Add	*72.99*	
		For 24 Gauge, Add	*12.91*	
		For 22 Gauge, Add	*29.68*	
		For 20 Gauge, Add	*48.40*	
		For 18 Gauge, Add	*74.21*	
		For 16 Gauge, Add	*90.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.75*	
		For Work In Restricted Working Space, Add	*54.74*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	298.04	113.59
		For Seal Class B, Add	*34.21*	
		For Seal Class A, Add	*91.24*	
		For 24 Gauge, Add	*13.99*	
		For 22 Gauge, Add	*32.18*	
		For 20 Gauge, Add	*52.46*	
		For 18 Gauge, Add	*80.44*	
		For 16 Gauge, Add	*97.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.76*	
		For Work In Restricted Working Space, Add	*68.43*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	324.20	124.54
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*99.53*	
		For 24 Gauge, Add	*15.08*	
		For 22 Gauge, Add	*34.67*	
		For 20 Gauge, Add	*56.54*	
		For 18 Gauge, Add	*86.69*	
		For 16 Gauge, Add	*105.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.78*	
		For Work In Restricted Working Space, Add	*74.65*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	372.14	145.06
		For Seal Class B, Add	*43.68*	
		For Seal Class A, Add	*116.47*	
		For 24 Gauge, Add	*16.19*	
		For 22 Gauge, Add	*37.24*	
		For 20 Gauge, Add	*60.72*	
		For 18 Gauge, Add	*93.10*	
		For 16 Gauge, Add	*113.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.91*	
		For Work In Restricted Working Space, Add	*87.35*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	49.96	40.13
		For Work In Restricted Working Space, Add	*14.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.46*	
		For Elevated Installation >40' Above Floor, Add	*26.90*	
23 31 13 19-0003		**Duct Register Boots** *(23 31 13 19)*		
23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	47.16	18.55
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.16	18.55
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	50.36	20.03
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.36	20.03
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	52.84	20.03
		For Stainless Steel, Add	*15.34*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	54.56	21.51
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	54.56	21.51
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	56.10	21.51
		For Stainless Steel, Add	*15.68*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	55.07	22.99
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	58.30	24.48
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	64.63	24.48
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	61.81	25.97
		For Stainless Steel, Add	*11.87*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	68.02	25.97
		For Stainless Steel, Add	*19.32*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	48.86	20.03
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	48.86	20.03
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	52.84	21.51
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	54.31	21.51
		For Stainless Steel, Add	*13.54*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	55.27	22.99
		For Stainless Steel, Add	*11.12*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	58.47	24.48
		For Stainless Steel, Add	*11.41*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	49.87	20.03
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	53.44	21.51
		For Stainless Steel, Add	*12.49*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	47.16	18.55
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	50.36	20.03
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	54.56	21.51
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	54.56	21.51
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	55.07	22.99
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	58.30	24.48
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	64.63	24.48
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	67.59	25.97
		For Stainless Steel, Add	*18.80*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0003	LB	Galvanized Steel Welded Duct	28.66	12.16
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*7.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.19*	
		For Elevated Installation >40' Above Floor, Add	*13.41*	
23 31 13 23-0004		Black Steel Ductwork *(23 31 13 23-0001)*		
23 31 13 23-0005	LB	Black Steel Ductwork	26.04	12.54
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.71*	
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.54*	
		For Elevated Installation >40' Above Floor, Add	*13.79*	
23 31 16		**Non-metal Ducts** *(23 31)*		
23 31 16 13		**Fibrous-Glass Ducts** *(23 31 16)*		
23 31 16 13-0001		Glass Fiber Duct Board *(23 31 16 13)*		
		Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	12.46	2.51
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	14.67	2.76
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	16.98	3.03
23 31 16 16		**Thermoset Fiberglass-Reinforced Plastic Ducts** *(23 31 16)*		
23 31 16 16-0001		Fiber Reinforced Round Plastic Duct *(23 31 16 16)*		
23 31 16 16-0002		Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*		
23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	21.38	6.61
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	26.85	7.73
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	36.31	11.35
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	48.23	14.34
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	61.16	17.96
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	73.77	21.57
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	82.91	25.19
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	94.78	27.56
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	102.50	29.31
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	128.05	32.92
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	134.57	35.29
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	166.95	37.66
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	191.11	43.65
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	220.28	52.62
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	296.50	58.61
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	332.13	65.84
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	368.59	75.45
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	417.93	88.04
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	446.12	107.74
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	544.37	131.69
23 31 16 16-0023		Fiber Reinforced Plastic Bell *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	73.16	26.81
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	88.03	31.80
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	101.69	37.41
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	133.96	49.88
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	163.78	62.36
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	191.17	74.82
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	237.09	92.90
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	253.21	99.76
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	274.31	106.62
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	295.40	114.73
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	322.68	124.70
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	372.05	137.17
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	428.74	149.64
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	485.71	168.35
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	542.67	187.06
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	599.59	205.75
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	743.08	249.40
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	892.21	311.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,070.59	374.10
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,224.26	423.98
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	112.25	26.81
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	129.56	31.80
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	148.10	37.41
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	192.59	49.88
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	234.63	62.36
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	276.66	74.82
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	327.47	92.90
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	363.14	99.76
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	396.45	106.62
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	422.42	114.73
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	444.82	124.70
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	518.62	137.17
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	570.42	149.64
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	698.23	168.35
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	777.18	187.06
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	880.51	205.75
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,036.21	249.40
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,241.52	311.76
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,446.78	374.10
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,654.19	423.98
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	188.35	64.60
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	221.52	77.19
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	257.11	89.78
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	333.87	119.71
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	410.62	149.64
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	487.39	179.57
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	599.33	223.34
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	674.99	236.43
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	765.10	256.76
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	903.52	275.33
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,036.29	299.28
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,196.10	329.21
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,587.93	359.14
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	2,017.00	404.03
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,629.27	449.05
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,107.22	493.94
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,684.67	598.56
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,471.48	748.20
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,257.81	897.60
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,994.52	1,017.19
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	161.47	64.60
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	189.76	77.19
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	220.44	89.78
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	280.13	119.71
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	339.78	149.64
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	404.43	179.57
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	499.26	223.34
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	540.55	236.43
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	637.85	256.64
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	727.98	275.59
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	835.90	299.28
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	958.58	328.96
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,196.63	358.89
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,453.31	404.41
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,831.01	449.30
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,142.32	493.94
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,556.10	598.56
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	3,074.21	748.20
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,618.29	895.85
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	4,090.99	1,018.18
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	246.12	96.39
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	291.24	116.10
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	334.39	134.67
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	433.65	179.57
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	530.93	223.34
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	634.11	270.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	766.49	327.96
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	835.84	354.90
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	960.08	385.58
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,079.18	413.01
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,236.89	449.05
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,409.49	493.94
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,667.13	538.59
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,987.66	606.29
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,588.29	673.63
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	3,067.24	741.10
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,695.87	898.48
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,436.18	1,122.81
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	5,175.78	1,346.64
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,842.66	1,526.97
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	209.46	96.39
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	247.23	116.10
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	283.12	134.67
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	362.90	179.57
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	440.64	223.34
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	529.13	270.60
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	634.87	328.21
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	688.71	354.65
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	755.15	385.70
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	815.98	413.38
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	890.54	449.30
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	984.44	493.94
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,085.22	538.33
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,224.85	605.92
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,367.71	674.01
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,503.37	740.85
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,798.42	895.85
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,204.42	1,124.80
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,661.33	1,347.64
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,984.61	1,526.97
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	171.29	64.72
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	202.04	77.32
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	237.65	89.78
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	307.00	119.71
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	371.54	149.64
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	447.05	180.31
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	533.46	223.34
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	569.86	236.43
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	628.08	256.64
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	688.89	275.59
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	767.51	299.28
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	871.80	329.58
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	975.72	359.76
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,103.99	404.41
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,232.53	449.30
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,385.06	493.94
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,644.95	598.56
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,972.52	748.20
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,225.90	895.85
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,503.19	1,018.18
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	200.61	64.72
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	221.59	77.32
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	257.19	89.78
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	333.87	119.71
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	410.62	149.64
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	488.57	180.31
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	587.20	223.34
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	638.26	236.43
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	696.48	256.64
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	781.72	275.59
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	972.70	299.28
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,172.26	329.58
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,259.08	359.76
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,431.32	404.41
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,554.98	449.30
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,702.62	493.94
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,901.44	598.56
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,214.35	748.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,494.61	895.85
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,747.47	1,018.18

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	507.28	64.60
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	570.31	77.19
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	633.31	89.78
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	746.28	119.71
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	880.28	149.64
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	993.27	179.57
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,129.21	223.34
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,256.28	236.43
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,395.35	256.76
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,531.43	275.33
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,634.47	299.28
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,852.58	329.21
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,154.78	359.14
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,482.00	404.03
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,851.27	449.05
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,178.51	493.94
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,731.43	598.56
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,359.36	748.20
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,944.75	897.60
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,690.82	1,017.19

23 31 16 23 Fabric Ducts *(23 31 16)*

23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*

23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	258.22	10.29
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	404.92	13.73
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	309.32	17.16
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	461.96	22.55
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	374.06	23.54
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	537.16	31.38
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	434.23	30.40
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	612.36	40.20
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	483.95	34.81
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	728.61	46.58
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	532.19	38.73
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	813.13	51.48
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	578.82	44.12
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	938.40	58.84

23 31 16 23-0017 Heavy-Duty Fabric Duct With Vents *(23 31 16 23-0001)*

23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	707.81	13.73
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	783.02	22.55
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	873.37	31.38
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	966.74	40.20
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,164.77	46.58
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,249.29	51.48
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,410.91	58.84

23 31 16 23-0025 Heavy-Duty Fabric Duct 90 Degree Elbow *(23 31 16 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	526.02	14.71
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	586.08	23.54
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	794.96	25.49
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	970.11	34.32
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,227.34	38.25
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,531.55	41.67
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,740.41	46.58
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	401.84	14.71
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	470.98	23.54
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	528.41	25.49
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	615.73	34.32
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	712.43	38.25
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	856.10	41.67
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	976.97	46.58
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,285.12	34.32
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,353.13	36.77
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,464.45	49.52
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,539.83	55.40
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,597.09	60.31
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,673.91	67.66
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	204.96	14.71
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	240.79	23.54
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	258.84	25.49
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	297.70	34.32
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	318.67	38.25
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	341.19	41.67
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	374.22	46.58
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	120.48	8.82
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	151.97	14.22
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	179.18	15.20
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	250.04	20.59
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	299.87	23.04
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	375.49	25.01
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	423.78	27.94
23 31 16 23-0064		**Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	44.77	7.43
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	70.02	11.14
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	16.16	3.71
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	1.05	0.15
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	38.08	7.43
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	85.00	7.43
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	115.76	11.14
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	21.83	3.71
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	3.35	0.15
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	52.74	7.43

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	158.30	11.87
		For Stainless Steel, Add	*134.70*	
		For Parallel Blade Damper, Add	*44.90*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	167.28	13.35
		For Stainless Steel, Add	*136.64*	
		For Parallel Blade Damper, Add	*45.55*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	177.18	14.83
		For Stainless Steel, Add	*138.08*	
		For Parallel Blade Damper, Add	*46.03*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	190.73	17.80
		For Stainless Steel, Add	*146.71*	
		For Parallel Blade Damper, Add	*48.90*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	205.76	19.29
		For Stainless Steel, Add	*155.35*	
		For Parallel Blade Damper, Add	*51.78*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	248.88	20.77
		For Stainless Steel, Add	*198.50*	
		For Parallel Blade Damper, Add	*66.17*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	271.90	22.26
		For Stainless Steel, Add	*215.77*	
		For Parallel Blade Damper, Add	*71.92*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	285.88	25.22
		For Stainless Steel, Add	*224.36*	
		For Parallel Blade Damper, Add	*74.79*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	315.38	26.70
		For Stainless Steel, Add	*250.27*	
		For Parallel Blade Damper, Add	*83.42*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	375.02	29.67
		For Stainless Steel, Add	*310.69*	
		For Parallel Blade Damper, Add	*103.56*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	416.22	29.67
		For Stainless Steel, Add	*353.80*	
		For Parallel Blade Damper, Add	*117.93*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	478.71	34.13
		For Stainless Steel, Add	*414.22*	
		For Parallel Blade Damper, Add	*138.07*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	516.69	35.61
		For Stainless Steel, Add	*451.36*	
		For Parallel Blade Damper, Add	*150.45*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.92	16.49
		For Stainless Steel, Add	*133.73*	
		For Parallel Blade Damper, Add	*44.58*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.05	17.24
		For Stainless Steel, Add	*143.22*	
		For Parallel Blade Damper, Add	*47.74*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	179.33	17.38
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	179.33	17.38
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.78	17.83
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.61	19.76
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.78	17.83
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.63	18.87
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.63	19.76
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.62	22.29
		For Stainless Steel, Add	*209.71*	
		For Parallel Blade Damper, Add	*69.90*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.70	18.87
		For Stainless Steel, Add	*176.69*	
		For Parallel Blade Damper, Add	*58.90*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.63	19.76
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.56	20.80
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.99	22.29
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.27	24.81
		For Stainless Steel, Add	*233.99*	
		For Parallel Blade Damper, Add	*78.00*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.63	19.76
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.05	21.25
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.96	23.33
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.32	24.81
		For Stainless Steel, Add	*219.65*	
		For Parallel Blade Damper, Add	*73.22*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.72	27.19
		For Stainless Steel, Add	*243.61*	
		For Parallel Blade Damper, Add	*81.20*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.02	29.72
		For Stainless Steel, Add	*267.46*	
		For Parallel Blade Damper, Add	*89.15*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.56	20.80
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.92	22.29
		For Stainless Steel, Add	*214.87*	
		For Parallel Blade Damper, Add	*71.62*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.34	24.81
		For Stainless Steel, Add	*229.27*	
		For Parallel Blade Damper, Add	*76.42*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.69	27.19
		For Stainless Steel, Add	*253.18*	
		For Parallel Blade Damper, Add	*84.39*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.00	29.72
		For Stainless Steel, Add	*272.23*	
		For Parallel Blade Damper, Add	*90.74*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.08	32.10
		For Stainless Steel, Add	*282.61*	
		For Parallel Blade Damper, Add	*94.20*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.92	34.62
		For Stainless Steel, Add	*296.30*	
		For Parallel Blade Damper, Add	*98.77*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.07	22.29
		For Stainless Steel, Add	*191.05*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	247.92	24.81
		For Stainless Steel, Add	*208.37*	
		For Parallel Blade Damper, Add	*69.46*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.84	27.19
		For Stainless Steel, Add	*225.76*	
		For Parallel Blade Damper, Add	*75.25*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.24	29.72
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.54	32.10
		For Stainless Steel, Add	*273.56*	
		For Parallel Blade Damper, Add	*91.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.83	34.62
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.70	37.15
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.57	39.53
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	255.17	24.81
		For Stainless Steel, Add	*217.07*	
		For Parallel Blade Damper, Add	*72.36*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.33	27.19
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.24	29.72
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.40	32.10
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.65	34.62
		For Stainless Steel, Add	*299.58*	
		For Parallel Blade Damper, Add	*99.86*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.94	37.15
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.05	39.53
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.59	44.58
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.48	49.48
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.33	27.19
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.24	29.72
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.40	32.10
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.27	34.62
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.76	37.15
		For Stainless Steel, Add	*325.60*	
		For Parallel Blade Damper, Add	*108.53*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.25	39.53
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.84	44.58
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.48	49.48
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	532.27	52.01
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.30	56.91
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.97	29.72
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.60	32.10
		For Stainless Steel, Add	*295.24*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.27	34.62
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	379.14	37.15
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.66	39.53
		For Stainless Steel, Add	*348.96*	
		For Parallel Blade Damper, Add	*116.32*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.84	44.58
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.72	49.48
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	532.51	54.37
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.30	56.91
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	645.88	60.92
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	714.18	64.33
		For Stainless Steel, Add	*625.24*	
		For Parallel Blade Damper, Add	*208.41*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.08	32.10
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.95	34.62
		For Stainless Steel, Add	*329.94*	
		For Parallel Blade Damper, Add	*109.98*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.82	37.15
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.98	39.53
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	455.75	44.58
		For Stainless Steel, Add	*386.44*	
		For Parallel Blade Damper, Add	*128.81*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	474.05	46.96
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	532.51	54.37
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.48	59.44
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	632.87	61.36
		For Stainless Steel, Add	*538.37*	
		For Parallel Blade Damper, Add	*179.46*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	704.10	65.82
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	765.14	69.23
		For Stainless Steel, Add	*668.57*	
		For Parallel Blade Damper, Add	*222.86*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	830.47	71.76
		For Stainless Steel, Add	*738.05*	
		For Parallel Blade Damper, Add	*246.02*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.71	37.15
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.06	39.53
		For Stainless Steel, Add	*355.96*	
		For Parallel Blade Damper, Add	*118.65*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	422.73	42.05
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	437.41	44.58
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.62	46.96
		For Stainless Steel, Add	*403.76*	
		For Parallel Blade Damper, Add	*134.59*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.40	49.48
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	561.62	56.91
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	605.45	61.80
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	660.74	65.82
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	750.71	69.23
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	805.97	73.25
		For Stainless Steel, Add	*703.28*	
		For Parallel Blade Damper, Add	*234.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	891.54	75.18
		For Stainless Steel, Add	*798.84*	
		For Parallel Blade Damper, Add	*266.28*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	975.80	79.19
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.62	37.15
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.98	39.53
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.19	42.05
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.86	44.58
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.22	46.96
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	546.57	49.48
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	612.51	59.44
		For Stainless Steel, Add	*521.05*	
		For Parallel Blade Damper, Add	*173.68*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	663.47	64.33
		For Stainless Steel, Add	*564.38*	
		For Parallel Blade Damper, Add	*188.13*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	750.71	69.23
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	830.71	74.28
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	917.85	79.19
		For Stainless Steel, Add	*816.16*	
		For Parallel Blade Damper, Add	*272.05*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	990.42	81.57
		For Stainless Steel, Add	*894.32*	
		For Parallel Blade Damper, Add	*298.11*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,063.00	84.09
		For Stainless Steel, Add	*972.50*	
		For Parallel Blade Damper, Add	*324.17*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,135.57	86.62
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	422.73	39.53
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.19	42.05
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.86	44.58
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.40	49.48
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	554.19	54.37
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	598.02	59.44
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	656.28	64.33
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	714.49	69.23
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	794.49	74.28
		For Stainless Steel, Add	*685.96*	
		For Parallel Blade Damper, Add	*228.65*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	888.93	79.19
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	961.55	81.57
		For Stainless Steel, Add	*859.68*	
		For Parallel Blade Damper, Add	*286.56*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,055.75	84.09
		For Stainless Steel, Add	*963.80*	
		For Parallel Blade Damper, Add	*321.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,135.75	89.00
		For Stainless Steel, Add	*1,041.97*	
		For Parallel Blade Damper, Add	*347.32*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,230.00	91.52
		For Stainless Steel, Add	*1,146.16*	
		For Parallel Blade Damper, Add	*382.05*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,310.19	98.95
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	451.95	42.05
		For Stainless Steel, Add	*390.79*	
		For Parallel Blade Damper, Add	*130.26*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.30	44.58
		For Stainless Steel, Add	*425.50*	
		For Parallel Blade Damper, Add	*141.83*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	532.08	49.48
		For Stainless Steel, Add	*460.20*	
		For Parallel Blade Damper, Add	*153.40*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	554.19	54.37
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	601.64	59.44
		For Stainless Steel, Add	*508.01*	
		For Parallel Blade Damper, Add	*169.34*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	649.04	64.33
		For Stainless Steel, Add	*547.07*	
		For Parallel Blade Damper, Add	*182.36*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.30	69.23
		For Stainless Steel, Add	*599.16*	
		For Parallel Blade Damper, Add	*199.72*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	765.57	74.28
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	845.57	79.19
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	947.20	84.09
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,026.96	86.62
		For Stainless Steel, Add	*920.34*	
		For Parallel Blade Damper, Add	*306.78*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,128.51	89.00
		For Stainless Steel, Add	*1,033.28*	
		For Parallel Blade Damper, Add	*344.43*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,230.14	94.05
		For Stainless Steel, Add	*1,137.41*	
		For Parallel Blade Damper, Add	*379.14*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,310.19	98.95
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,419.29	106.38
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,506.54	111.28
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.86	44.58
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	524.84	49.48
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	561.43	54.37
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.48	59.44
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	638.17	64.33
		For Stainless Steel, Add	*534.02*	
		For Parallel Blade Damper, Add	*178.01*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	692.81	69.23
		For Stainless Steel, Add	*581.77*	
		For Parallel Blade Damper, Add	*193.92*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	747.46	74.28
		For Stainless Steel, Add	*629.52*	
		For Parallel Blade Damper, Add	*209.84*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	802.11	79.19
		For Stainless Steel, Add	*677.27*	
		For Parallel Blade Damper, Add	*225.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	903.79	84.09
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	998.09	86.62
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,085.10	89.00
		For Stainless Steel, Add	*981.19*	
		For Parallel Blade Damper, Add	*327.06*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,201.27	94.05
		For Stainless Steel, Add	*1,102.76*	
		For Parallel Blade Damper, Add	*367.59*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,302.95	98.95
		For Stainless Steel, Add	*1,206.95*	
		For Parallel Blade Damper, Add	*402.32*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,411.87	103.86
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,499.11	108.91
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,608.03	113.81
		For Stainless Steel, Add	*1,519.56*	
		For Parallel Blade Damper, Add	*506.52*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,716.95	118.71
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	510.40	49.48
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	561.43	54.37
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.73	59.44
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	612.87	64.33
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	671.13	69.23
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.35	74.28
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	791.24	79.19
		For Stainless Steel, Add	*664.22*	
		For Parallel Blade Damper, Add	*221.41*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	853.14	84.09
		For Stainless Steel, Add	*720.67*	
		For Parallel Blade Damper, Add	*240.22*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	954.63	86.62
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,048.88	89.00
		For Stainless Steel, Add	*937.73*	
		For Parallel Blade Damper, Add	*312.58*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,157.86	94.05
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,266.78	98.95
		For Stainless Steel, Add	*1,163.54*	
		For Parallel Blade Damper, Add	*387.85*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,353.98	103.86
		For Stainless Steel, Add	*1,250.35*	
		For Parallel Blade Damper, Add	*416.78*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,484.57	108.91
		For Stainless Steel, Add	*1,389.24*	
		For Parallel Blade Damper, Add	*463.08*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,600.74	113.81
		For Stainless Steel, Add	*1,510.81*	
		For Parallel Blade Damper, Add	*503.60*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,716.95	118.71
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,818.53	123.77
		For Stainless Steel, Add	*1,736.51*	
		For Parallel Blade Damper, Add	*578.84*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,920.31	128.67
		For Stainless Steel, Add	*1,840.81*	
		For Parallel Blade Damper, Add	*613.60*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	165.90	16.05
		For Smoke Damper, Add	*99.97*	
		For Spring Activated Horizontal Mount Operation, Add	*26.46*	
		For Dynamic Damper, Add	*63.51*	
		For 3 Hour Rated, Add	*35.28*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	230.06	16.05
		For Smoke Damper, Add	*154.50*	
		For Spring Activated Horizontal Mount Operation, Add	*40.90*	
		For Dynamic Damper, Add	*98.16*	
		For 3 Hour Rated, Add	*54.53*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.54	16.49
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.04	17.24
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.64	17.38
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.64	17.38
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.41	17.83
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.93	19.76
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.41	17.83
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.95	18.87
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.23	19.76
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.94	22.29
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.81	18.87
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.23	19.76
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.48	20.80
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.23	22.29
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.38	24.81
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.29*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.23	19.76
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.97	21.25
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.20	23.33
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.93	24.81
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.43*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.16*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.10	27.19
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.53*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.26	29.72
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.48	20.80
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.37	22.29
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.24	24.81
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.40	27.19
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.40	29.72
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.55	32.10
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.41	34.62
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.18*	
		For 3 Hour Rated, Add	*22.32*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.60*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.23	22.29
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.22	24.81
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.24	27.19
		For Spring Activated Horizontal Mount Operation, Add	*13.39*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.85	29.72
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.71	32.10
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.57	34.62
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.57	37.15
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.57	39.53
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.52	24.81
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.83	27.19
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.85	29.72
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.14	32.10
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.00	34.62
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.86	37.15
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.16	39.53
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.88	44.58
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.91	49.48
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.83	27.19
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.85	29.72
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.14	32.10
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.14	34.62
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.29	37.15
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.36*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.43	39.53
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.17	44.58
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.91	49.48
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.07	52.01
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.38	56.91
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.71	29.72
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.41	32.10
		For Spring Activated Horizontal Mount Operation, Add	*17.51*	
		For Dynamic Damper, Add	*42.03*	
		For 3 Hour Rated, Add	*23.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.14	34.62
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.14	37.15
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.87	39.53
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.00*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.17	44.58
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.21	49.48
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.22	54.37
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.38	56.91
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.30	60.92
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.01	64.33
		For Spring Activated Horizontal Mount Operation, Add	*37.09*	
		For Dynamic Damper, Add	*89.02*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.00	32.10
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.00	34.62
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.98*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.00	37.15
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.31	39.53
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.62	44.58
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.48	46.96
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.22	54.37
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.52	59.44
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.35	61.36
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.80*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.89	65.82
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.30	69.23
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.20*	
		For 3 Hour Rated, Add	*52.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.04	71.76
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.09*	
		For 3 Hour Rated, Add	*58.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.65*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.71	37.15
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.30	39.53
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.69*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.02	42.05
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.74	44.58
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.62	46.96
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.49*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.07	49.48
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.52	56.91
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.54	61.80
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.16	65.82
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.73	69.23
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.36	73.25
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.15*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.49	75.18
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.75*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.66*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.27	79.19
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.73	37.15
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.31	39.53
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.62	42.05
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.35	44.58
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.93	46.96
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.52	49.48
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.69	59.44
		For Spring Activated Horizontal Mount Operation, Add	*30.91*	
		For Dynamic Damper, Add	*74.19*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.98	64.33
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.73	69.23
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.20	74.28
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.94	79.19
		For Spring Activated Horizontal Mount Operation, Add	*48.42*	
		For Dynamic Damper, Add	*116.22*	
		For 3 Hour Rated, Add	*64.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.98	81.57
		For Spring Activated Horizontal Mount Operation, Add	*53.06*	
		For Dynamic Damper, Add	*127.35*	
		For 3 Hour Rated, Add	*70.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.96*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.02	84.09
		For Spring Activated Horizontal Mount Operation, Add	*57.70*	
		For Dynamic Damper, Add	*138.48*	
		For 3 Hour Rated, Add	*76.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.11*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.07	86.62
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.02	39.53
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.62	42.05
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.35	44.58
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.07	49.48
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.09	54.37
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.11	59.44
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.70	64.33
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.28	69.23
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.75	74.28
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.68*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.22*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.78	79.19
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.84	81.57
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.41*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.72	84.09
		For Spring Activated Horizontal Mount Operation, Add	*57.18*	
		For Dynamic Damper, Add	*137.24*	
		For 3 Hour Rated, Add	*76.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.21	89.00
		For Spring Activated Horizontal Mount Operation, Add	*61.82*	
		For Dynamic Damper, Add	*148.38*	
		For 3 Hour Rated, Add	*82.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.69*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.11	91.52
		For Spring Activated Horizontal Mount Operation, Add	*68.00*	
		For Dynamic Damper, Add	*163.21*	
		For 3 Hour Rated, Add	*90.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.56*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.71	98.95
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.33	42.05
		For Spring Activated Horizontal Mount Operation, Add	*23.18*	
		For Dynamic Damper, Add	*55.64*	
		For 3 Hour Rated, Add	*30.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.92	44.58
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.93	49.48
		For Spring Activated Horizontal Mount Operation, Add	*27.30*	
		For Dynamic Damper, Add	*65.53*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.09	54.37
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.26	59.44
		For Spring Activated Horizontal Mount Operation, Add	*30.14*	
		For Dynamic Damper, Add	*72.34*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.49*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.41	64.33
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.90*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.00	69.23
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.32*	
		For 3 Hour Rated, Add	*47.40*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.50*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.59	74.28
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.06	79.19
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.39	84.09
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.70	86.62
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.05*	
		For 3 Hour Rated, Add	*72.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.67*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.92	89.00
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.14*	
		For 3 Hour Rated, Add	*81.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.12*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.23	94.05
		For Spring Activated Horizontal Mount Operation, Add	*67.48*	
		For Dynamic Damper, Add	*161.96*	
		For 3 Hour Rated, Add	*89.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.71	98.95
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.47	106.38
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.23	111.28
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.35	44.58
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.64	49.48
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.38	54.37
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.52	59.44
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.97	64.33
		For Spring Activated Horizontal Mount Operation, Add	*31.68*	
		For Dynamic Damper, Add	*76.04*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.41	69.23
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.84*	
		For 3 Hour Rated, Add	*46.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.35*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.86	74.28
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.64*	
		For 3 Hour Rated, Add	*49.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.50*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.31	79.19
		For Spring Activated Horizontal Mount Operation, Add	*40.18*	
		For Dynamic Damper, Add	*96.44*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.64	84.09
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.56	86.62
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.17	89.00
		For Spring Activated Horizontal Mount Operation, Add	*58.21*	
		For Dynamic Damper, Add	*139.71*	
		For 3 Hour Rated, Add	*77.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.68*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.09	94.05
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.03*	
		For 3 Hour Rated, Add	*87.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.70*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.42	98.95
		For Spring Activated Horizontal Mount Operation, Add	*71.61*	
		For Dynamic Damper, Add	*171.86*	
		For 3 Hour Rated, Add	*95.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.57*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.05	103.86
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.80	108.91
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	742.42	113.81
		For Spring Activated Horizontal Mount Operation, Add	*90.16*	
		For Dynamic Damper, Add	*216.37*	
		For 3 Hour Rated, Add	*120.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.17*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.04	118.71
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.07	49.48
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.38	54.37
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.81	59.44
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.96	64.33
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.55	69.23
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.14	74.28
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.88	79.19
		For Spring Activated Horizontal Mount Operation, Add	*39.41*	
		For Dynamic Damper, Add	*94.59*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.79*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.62	84.09
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.62*	
		For 3 Hour Rated, Add	*57.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.51*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.82	86.62
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.72	89.00
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.53*	
		For 3 Hour Rated, Add	*74.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.82*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.36	94.05
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.99	98.95
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.69*	
		For 3 Hour Rated, Add	*92.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.71*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.73	103.86
		For Spring Activated Horizontal Mount Operation, Add	*74.18*	
		For Dynamic Damper, Add	*178.04*	
		For 3 Hour Rated, Add	*98.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.43*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.21	108.91
		For Spring Activated Horizontal Mount Operation, Add	*82.43*	
		For Dynamic Damper, Add	*197.82*	
		For 3 Hour Rated, Add	*109.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.13	113.81
		For Spring Activated Horizontal Mount Operation, Add	*89.64*	
		For Dynamic Damper, Add	*215.14*	
		For 3 Hour Rated, Add	*119.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.60*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.04	118.71
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	829.35	123.77
		For Spring Activated Horizontal Mount Operation, Add	*103.03*	
		For Dynamic Damper, Add	*247.27*	
		For 3 Hour Rated, Add	*137.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.48*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.72	128.67
		For Spring Activated Horizontal Mount Operation, Add	*109.22*	
		For Dynamic Damper, Add	*262.13*	
		For 3 Hour Rated, Add	*145.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.36*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.82	16.49
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.82*	
		For 3 Hour Rated, Add	*19.90*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.88	17.24
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.75*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.06	17.38
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.06	17.38
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.41	17.83
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.07	19.76
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.41	17.83
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.09	18.87
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.94	19.76
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.23	22.29
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.67	18.87
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.77*	
		For 3 Hour Rated, Add	*23.76*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.94	19.76
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.77	20.80
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.09	22.29
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.18*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.67	24.81
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.05*	
		For 3 Hour Rated, Add	*28.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.07	19.76
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.98*	
		For 3 Hour Rated, Add	*34.99*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.72	21.25
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.88	23.33
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.52	24.81
		For Spring Activated Horizontal Mount Operation, Add	*28.40*	
		For Dynamic Damper, Add	*68.17*	
		For 3 Hour Rated, Add	*37.87*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.99	27.19
		For Spring Activated Horizontal Mount Operation, Add	*30.21*	
		For Dynamic Damper, Add	*72.51*	
		For 3 Hour Rated, Add	*40.28*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.44	29.72
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.84*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.23	20.80
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.51	22.29
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.31*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.76	24.81
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.19	27.19
		For Spring Activated Horizontal Mount Operation, Add	*30.93*	
		For Dynamic Damper, Add	*74.24*	
		For 3 Hour Rated, Add	*41.24*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.03	29.72
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.70*	
		For 3 Hour Rated, Add	*43.17*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.48	32.10
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.03*	
		For 3 Hour Rated, Add	*45.57*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.71	34.62
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.62*	
		For 3 Hour Rated, Add	*47.01*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.91	22.29
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.72	24.81
		For Spring Activated Horizontal Mount Operation, Add	*29.12*	
		For Dynamic Damper, Add	*69.90*	
		For 3 Hour Rated, Add	*38.83*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.58	27.19
		For Spring Activated Horizontal Mount Operation, Add	*30.57*	
		For Dynamic Damper, Add	*73.37*	
		For 3 Hour Rated, Add	*40.76*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.86	29.72
		For Spring Activated Horizontal Mount Operation, Add	*33.46*	
		For Dynamic Damper, Add	*80.31*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.09	32.10
		For Spring Activated Horizontal Mount Operation, Add	*34.54*	
		For Dynamic Damper, Add	*82.90*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.32	34.62
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.49*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.15	37.15
		For Spring Activated Horizontal Mount Operation, Add	*37.06*	
		For Dynamic Damper, Add	*88.95*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.98	39.53
		For Spring Activated Horizontal Mount Operation, Add	*38.50*	
		For Dynamic Damper, Add	*92.40*	
		For 3 Hour Rated, Add	*51.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.21	24.81
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.82*	
		For 3 Hour Rated, Add	*47.68*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.27	27.19
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.12	29.72
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.15	32.10
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.39	34.62
		For Spring Activated Horizontal Mount Operation, Add	*42.61*	
		For Dynamic Damper, Add	*102.27*	
		For 3 Hour Rated, Add	*56.82*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.62	37.15
		For Spring Activated Horizontal Mount Operation, Add	*43.69*	
		For Dynamic Damper, Add	*104.86*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.66	39.53
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.05*	
		For 3 Hour Rated, Add	*61.14*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.14	44.58
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.25*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.83	49.48
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.27	27.19
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.12	29.72
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.15	32.10
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.99	34.62
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.44	37.15
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.47*	
		For 3 Hour Rated, Add	*59.70*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.85	39.53
		For Spring Activated Horizontal Mount Operation, Add	*46.57*	
		For Dynamic Damper, Add	*111.77*	
		For 3 Hour Rated, Add	*62.10*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.34	44.58
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.83	49.48
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.49	52.01
		For Spring Activated Horizontal Mount Operation, Add	*55.23*	
		For Dynamic Damper, Add	*132.56*	
		For 3 Hour Rated, Add	*73.64*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.38	56.91
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.72	29.72
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.34	32.10
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.40*	
		For 3 Hour Rated, Add	*56.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.99	34.62
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.81	37.15
		For Spring Activated Horizontal Mount Operation, Add	*44.41*	
		For Dynamic Damper, Add	*106.59*	
		For 3 Hour Rated, Add	*59.21*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.46	39.53
		For Spring Activated Horizontal Mount Operation, Add	*46.71*	
		For Dynamic Damper, Add	*112.10*	
		For 3 Hour Rated, Add	*62.28*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.34	44.58
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.05	49.48
		For Spring Activated Horizontal Mount Operation, Add	*51.63*	
		For Dynamic Damper, Add	*123.91*	
		For 3 Hour Rated, Add	*68.84*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.73	54.37
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.84*	
		For 3 Hour Rated, Add	*72.69*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.38	56.91
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.71	60.92
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.34*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.74	64.33
		For Spring Activated Horizontal Mount Operation, Add	*69.66*	
		For Dynamic Damper, Add	*167.18*	
		For 3 Hour Rated, Add	*92.88*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.26	32.10
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.77*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.99	34.62
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.71*	
		For 3 Hour Rated, Add	*65.40*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.74	37.15
		For Spring Activated Horizontal Mount Operation, Add	*50.69*	
		For Dynamic Damper, Add	*121.67*	
		For 3 Hour Rated, Add	*67.59*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.18	39.53
		For Spring Activated Horizontal Mount Operation, Add	*53.17*	
		For Dynamic Damper, Add	*127.61*	
		For 3 Hour Rated, Add	*70.90*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.55	44.58
		For Spring Activated Horizontal Mount Operation, Add	*54.41*	
		For Dynamic Damper, Add	*130.59*	
		For 3 Hour Rated, Add	*72.55*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.48	46.96
		For Spring Activated Horizontal Mount Operation, Add	*55.65*	
		For Dynamic Damper, Add	*133.56*	
		For 3 Hour Rated, Add	*74.20*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.09	54.37
		For Spring Activated Horizontal Mount Operation, Add	*59.77*	
		For Dynamic Damper, Add	*143.45*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.24	59.44
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.33*	
		For 3 Hour Rated, Add	*85.18*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.16	61.36
		For Spring Activated Horizontal Mount Operation, Add	*68.83*	
		For Dynamic Damper, Add	*165.20*	
		For 3 Hour Rated, Add	*91.78*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.84	65.82
		For Spring Activated Horizontal Mount Operation, Add	*75.43*	
		For Dynamic Damper, Add	*181.02*	
		For 3 Hour Rated, Add	*100.57*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.86	69.23
		For Spring Activated Horizontal Mount Operation, Add	*81.19*	
		For Dynamic Damper, Add	*194.86*	
		For 3 Hour Rated, Add	*108.26*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.60	71.76
		For Spring Activated Horizontal Mount Operation, Add	*87.79*	
		For Dynamic Damper, Add	*210.69*	
		For 3 Hour Rated, Add	*117.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.59	37.15
		For Spring Activated Horizontal Mount Operation, Add	*54.13*	
		For Dynamic Damper, Add	*129.92*	
		For 3 Hour Rated, Add	*72.18*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.68	39.53
		For Spring Activated Horizontal Mount Operation, Add	*57.43*	
		For Dynamic Damper, Add	*137.84*	
		For 3 Hour Rated, Add	*76.58*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.77	42.05
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.87	44.58
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.57	46.96
		For Spring Activated Horizontal Mount Operation, Add	*61.97*	
		For Dynamic Damper, Add	*148.73*	
		For 3 Hour Rated, Add	*82.63*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.81	49.48
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.76	56.91
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.27	61.80
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.14	65.82
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.82	69.23
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.68	73.25
		For Spring Activated Horizontal Mount Operation, Add	*90.40*	
		For Dynamic Damper, Add	*216.96*	
		For 3 Hour Rated, Add	*120.53*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.94	75.18
		For Spring Activated Horizontal Mount Operation, Add	*99.47*	
		For Dynamic Damper, Add	*238.73*	
		For 3 Hour Rated, Add	*132.63*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.45	79.19
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.36	37.15
		For Spring Activated Horizontal Mount Operation, Add	*55.78*	
		For Dynamic Damper, Add	*133.88*	
		For 3 Hour Rated, Add	*74.38*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.44	39.53
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.89	42.05
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.98	44.58
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.06	46.96
		For Spring Activated Horizontal Mount Operation, Add	*65.68*	
		For Dynamic Damper, Add	*157.63*	
		For 3 Hour Rated, Add	*87.57*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.15	49.48
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.18	59.44
		For Spring Activated Horizontal Mount Operation, Add	*73.10*	
		For Dynamic Damper, Add	*175.44*	
		For 3 Hour Rated, Add	*97.46*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.33	64.33
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.32*	
		For 3 Hour Rated, Add	*102.95*	

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23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.82	69.23
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.65	74.28
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.12	79.19
		For Spring Activated Horizontal Mount Operation, Add	*101.12*	
		For Dynamic Damper, Add	*242.68*	
		For 3 Hour Rated, Add	*134.82*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	727.52	81.57
		For Spring Activated Horizontal Mount Operation, Add	*108.53*	
		For Dynamic Damper, Add	*260.48*	
		For 3 Hour Rated, Add	*144.71*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.94	84.09
		For Spring Activated Horizontal Mount Operation, Add	*115.96*	
		For Dynamic Damper, Add	*278.29*	
		For 3 Hour Rated, Add	*154.61*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	808.36	86.62
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.77	39.53
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.89	42.05
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.98	44.58
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.81	49.48
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.33	54.37
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.84	59.44
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.68	64.33
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.49	69.23
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.34	74.28
		For Spring Activated Horizontal Mount Operation, Add	*88.76*	
		For Dynamic Damper, Add	*213.02*	
		For 3 Hour Rated, Add	*118.34*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.47	79.19
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.90	81.57
		For Spring Activated Horizontal Mount Operation, Add	*105.24*	
		For Dynamic Damper, Add	*252.59*	
		For 3 Hour Rated, Add	*140.33*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.26	84.09
		For Spring Activated Horizontal Mount Operation, Add	*115.13*	
		For Dynamic Damper, Add	*276.31*	
		For 3 Hour Rated, Add	*153.50*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	812.13	89.00
		For Spring Activated Horizontal Mount Operation, Add	*122.56*	
		For Dynamic Damper, Add	*294.13*	
		For 3 Hour Rated, Add	*163.41*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	863.51	91.52
		For Spring Activated Horizontal Mount Operation, Add	*132.44*	
		For Dynamic Damper, Add	*317.87*	
		For 3 Hour Rated, Add	*176.59*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	915.11	98.95
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	

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23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.21	42.05
		For Spring Activated Horizontal Mount Operation, Add	*60.73*	
		For Dynamic Damper, Add	*145.76*	
		For 3 Hour Rated, Add	*80.98*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.29	44.58
		For Spring Activated Horizontal Mount Operation, Add	*64.03*	
		For Dynamic Damper, Add	*153.67*	
		For 3 Hour Rated, Add	*85.37*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.81	49.48
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.58*	
		For 3 Hour Rated, Add	*89.77*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.33	54.37
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.70	59.44
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.48*	
		For 3 Hour Rated, Add	*95.82*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.01	64.33
		For Spring Activated Horizontal Mount Operation, Add	*75.57*	
		For Dynamic Damper, Add	*181.36*	
		For 3 Hour Rated, Add	*100.76*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.85	69.23
		For Spring Activated Horizontal Mount Operation, Add	*80.52*	
		For Dynamic Damper, Add	*193.24*	
		For 3 Hour Rated, Add	*107.36*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.68	74.28
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.51	79.19
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	709.32	84.09
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	753.38	86.62
		For Spring Activated Horizontal Mount Operation, Add	*111.01*	
		For Dynamic Damper, Add	*266.42*	
		For 3 Hour Rated, Add	*148.01*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	808.45	89.00
		For Spring Activated Horizontal Mount Operation, Add	*121.73*	
		For Dynamic Damper, Add	*292.15*	
		For 3 Hour Rated, Add	*162.30*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	867.24	94.05
		For Spring Activated Horizontal Mount Operation, Add	*131.61*	
		For Dynamic Damper, Add	*315.87*	
		For 3 Hour Rated, Add	*175.48*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	915.11	98.95
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.33	106.38
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,032.84	111.28
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.98	44.58
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.13	49.48
		For Spring Activated Horizontal Mount Operation, Add	*66.50*	
		For Dynamic Damper, Add	*159.60*	
		For 3 Hour Rated, Add	*88.67*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.01	54.37
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.51	59.44
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.51*	
		For 3 Hour Rated, Add	*93.06*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.53	64.33
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.41*	
		For 3 Hour Rated, Add	*99.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.51	69.23
		For Spring Activated Horizontal Mount Operation, Add	*78.86*	
		For Dynamic Damper, Add	*189.28*	
		For 3 Hour Rated, Add	*105.15*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.53	74.28
		For Spring Activated Horizontal Mount Operation, Add	*83.40*	
		For Dynamic Damper, Add	*200.16*	
		For 3 Hour Rated, Add	*111.20*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	628.52	79.19
		For Spring Activated Horizontal Mount Operation, Add	*87.93*	
		For Dynamic Damper, Add	*211.03*	
		For 3 Hour Rated, Add	*117.24*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.33	84.09
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.74	86.62
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	786.46	89.00
		For Spring Activated Horizontal Mount Operation, Add	*116.78*	
		For Dynamic Damper, Add	*280.27*	
		For 3 Hour Rated, Add	*155.71*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.62	94.05
		For Spring Activated Horizontal Mount Operation, Add	*128.32*	
		For Dynamic Damper, Add	*307.97*	
		For 3 Hour Rated, Add	*171.10*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	911.43	98.95
		For Spring Activated Horizontal Mount Operation, Add	*138.21*	
		For Dynamic Damper, Add	*331.71*	
		For 3 Hour Rated, Add	*184.28*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	973.91	103.86
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,025.41	108.91
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,087.89	113.81
		For Spring Activated Horizontal Mount Operation, Add	*167.89*	
		For Dynamic Damper, Add	*402.93*	
		For 3 Hour Rated, Add	*223.85*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,150.37	118.71
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.81	49.48
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.01	54.37
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.17	59.44
		For Spring Activated Horizontal Mount Operation, Add	*70.62*	
		For Dynamic Damper, Add	*169.49*	
		For 3 Hour Rated, Add	*94.16*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.69	64.33
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.53	69.23
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.35	74.28
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.02	79.19
		For Spring Activated Horizontal Mount Operation, Add	*86.69*	
		For Dynamic Damper, Add	*208.06*	
		For 3 Hour Rated, Add	*115.59*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.70	84.09
		For Spring Activated Horizontal Mount Operation, Add	*92.05*	
		For Dynamic Damper, Add	*220.92*	
		For 3 Hour Rated, Add	*122.74*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.75	86.62
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.14	89.00
		For Spring Activated Horizontal Mount Operation, Add	*112.66*	
		For Dynamic Damper, Add	*270.38*	
		For 3 Hour Rated, Add	*150.21*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.65	94.05
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	893.13	98.95
		For Spring Activated Horizontal Mount Operation, Add	*134.09*	
		For Dynamic Damper, Add	*321.82*	
		For 3 Hour Rated, Add	*178.79*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	944.62	103.86
		For Spring Activated Horizontal Mount Operation, Add	*142.34*	
		For Dynamic Damper, Add	*341.60*	
		For 3 Hour Rated, Add	*189.78*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,018.07	108.91
		For Spring Activated Horizontal Mount Operation, Add	*155.52*	
		For Dynamic Damper, Add	*373.25*	
		For 3 Hour Rated, Add	*207.36*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,084.22	113.81
		For Spring Activated Horizontal Mount Operation, Add	*167.06*	
		For Dynamic Damper, Add	*400.94*	
		For 3 Hour Rated, Add	*222.75*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,150.37	118.71
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,209.16	123.77
		For Spring Activated Horizontal Mount Operation, Add	*188.49*	
		For Dynamic Damper, Add	*452.37*	
		For 3 Hour Rated, Add	*251.32*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,268.02	128.67
		For Spring Activated Horizontal Mount Operation, Add	*198.39*	
		For Dynamic Damper, Add	*476.13*	
		For 3 Hour Rated, Add	*264.52*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	148.09	29.72
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	154.44	29.72
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	181.58	33.73
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	188.48	33.73
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	226.30	37.15
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	245.29	37.15
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	272.59	41.30
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	306.19	46.50
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	348.00	53.04

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	166.83	33.73
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	184.12	33.73
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	208.40	37.15
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	230.71	37.15
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	261.35	41.30
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	274.95	41.30
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	306.62	46.50
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	339.36	53.04
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	395.92	61.96

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.64	24.74
		For Dynamic Damper, Add	*303.17*	
		For 3 Hour Rated, Add	*168.43*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.69	25.86
		For Dynamic Damper, Add	*310.57*	
		For 3 Hour Rated, Add	*172.54*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.01	26.08
		For Dynamic Damper, Add	*318.07*	
		For 3 Hour Rated, Add	*176.70*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.36	26.08
		For Dynamic Damper, Add	*298.27*	
		For 3 Hour Rated, Add	*165.71*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.53	26.74
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.39	29.64
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.53	26.74
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.94	28.31
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.33	29.64
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.50	33.43
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	669.47	28.31
		For Dynamic Damper, Add	*315.78*	
		For 3 Hour Rated, Add	*175.43*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.33	29.64
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.82	31.20
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.52	33.43
		For Dynamic Damper, Add	*340.32*	
		For 3 Hour Rated, Add	*189.07*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.08	37.22
		For Dynamic Damper, Add	*357.83*	
		For 3 Hour Rated, Add	*198.80*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	755.94	29.64
		For Dynamic Damper, Add	*360.07*	
		For 3 Hour Rated, Add	*200.04*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	770.69	31.87
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.65	34.99
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	802.27	37.22
		For Dynamic Damper, Add	*373.05*	
		For 3 Hour Rated, Add	*207.25*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.52	40.79
		For Dynamic Damper, Add	*383.91*	
		For 3 Hour Rated, Add	*213.28*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.71	44.58
		For Dynamic Damper, Add	*394.73*	
		For 3 Hour Rated, Add	*219.30*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.46	31.20
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.13	33.43
		For Dynamic Damper, Add	*370.89*	
		For 3 Hour Rated, Add	*206.05*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	810.38	37.22
		For Dynamic Damper, Add	*377.43*	
		For 3 Hour Rated, Add	*209.69*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.57	40.79
		For Dynamic Damper, Add	*388.25*	
		For 3 Hour Rated, Add	*215.70*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.71	44.58
		For Dynamic Damper, Add	*396.89*	
		For 3 Hour Rated, Add	*220.50*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	899.89	48.13
		For Dynamic Damper, Add	*407.72*	
		For 3 Hour Rated, Add	*226.51*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	923.09	51.93
		For Dynamic Damper, Add	*414.22*	
		For 3 Hour Rated, Add	*230.12*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.19	33.43
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	810.32	37.22
		For Dynamic Damper, Add	*377.40*	
		For 3 Hour Rated, Add	*209.67*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	837.52	40.79
		For Dynamic Damper, Add	*386.07*	
		For 3 Hour Rated, Add	*214.48*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	880.81	44.58
		For Dynamic Damper, Add	*403.43*	
		For 3 Hour Rated, Add	*224.13*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.94	48.13
		For Dynamic Damper, Add	*409.90*	
		For 3 Hour Rated, Add	*227.72*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.09	51.93
		For Dynamic Damper, Add	*416.38*	
		For 3 Hour Rated, Add	*231.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	954.28	55.72
		For Dynamic Damper, Add	*425.05*	
		For 3 Hour Rated, Add	*236.14*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.42	59.28
		For Dynamic Damper, Add	*433.68*	
		For 3 Hour Rated, Add	*240.94*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	802.94	37.22
		For Dynamic Damper, Add	*373.42*	
		For 3 Hour Rated, Add	*207.45*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.32	40.79
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.31	44.58
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.60	48.13
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.87	51.93
		For Dynamic Damper, Add	*401.14*	
		For 3 Hour Rated, Add	*222.86*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.09	55.72
		For Dynamic Damper, Add	*405.51*	
		For 3 Hour Rated, Add	*225.28*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	945.43	59.28
		For Dynamic Damper, Add	*414.25*	
		For 3 Hour Rated, Add	*230.14*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	983.91	66.86
		For Dynamic Damper, Add	*423.00*	
		For 3 Hour Rated, Add	*235.00*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.80	74.21
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.32	40.79
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.31	44.58
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.60	48.13
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	901.56	51.93
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	926.20	55.72
		For Dynamic Damper, Add	*409.89*	
		For 3 Hour Rated, Add	*227.72*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	950.82	59.28
		For Dynamic Damper, Add	*417.16*	
		For 3 Hour Rated, Add	*231.76*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	989.29	66.86
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.80	74.21
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,071.34	78.00
		For Dynamic Damper, Add	*452.16*	
		For 3 Hour Rated, Add	*251.20*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,120.63	85.36
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.46	44.58
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.99	48.13
		For Dynamic Damper, Add	*399.67*	
		For 3 Hour Rated, Add	*222.04*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	901.56	51.93
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	923.47	55.72
		For Dynamic Damper, Add	*408.41*	
		For 3 Hour Rated, Add	*226.90*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	951.82	59.28
		For Dynamic Damper, Add	*417.70*	
		For 3 Hour Rated, Add	*232.06*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	989.29	66.86
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,033.22	74.21
		For Dynamic Damper, Add	*437.59*	
		For 3 Hour Rated, Add	*243.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,077.13	81.57
		For Dynamic Damper, Add	*449.27*	
		For 3 Hour Rated, Add	*249.59*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,120.63	85.36
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,176.29	91.37
		For Dynamic Damper, Add	*487.17*	
		For 3 Hour Rated, Add	*270.65*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,235.06	96.50
		For Dynamic Damper, Add	*510.48*	
		For 3 Hour Rated, Add	*283.60*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	912.71	48.13
		For Dynamic Damper, Add	*414.64*	
		For 3 Hour Rated, Add	*230.36*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	935.57	51.93
		For Dynamic Damper, Add	*420.96*	
		For 3 Hour Rated, Add	*233.87*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.45	55.72
		For Dynamic Damper, Add	*427.30*	
		For 3 Hour Rated, Add	*237.39*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	987.23	59.28
		For Dynamic Damper, Add	*436.82*	
		For 3 Hour Rated, Add	*242.68*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,018.34	66.86
		For Dynamic Damper, Add	*441.59*	
		For 3 Hour Rated, Add	*245.33*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,038.28	70.42
		For Dynamic Damper, Add	*446.34*	
		For 3 Hour Rated, Add	*247.97*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,101.08	81.57
		For Dynamic Damper, Add	*462.20*	
		For 3 Hour Rated, Add	*256.78*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,152.67	89.14
		For Dynamic Damper, Add	*478.02*	
		For 3 Hour Rated, Add	*265.57*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,196.80	92.05
		For Dynamic Damper, Add	*497.04*	
		For 3 Hour Rated, Add	*276.14*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,263.83	98.73
		For Dynamic Damper, Add	*522.41*	
		For 3 Hour Rated, Add	*290.23*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,320.48	103.86
		For Dynamic Damper, Add	*544.57*	
		For 3 Hour Rated, Add	*302.54*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,378.57	107.64
		For Dynamic Damper, Add	*569.93*	
		For 3 Hour Rated, Add	*316.63*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,459.62	55.72
		For Dynamic Damper, Add	*703.95*	
		For 3 Hour Rated, Add	*391.08*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,502.23	59.28
		For Dynamic Damper, Add	*720.94*	
		For 3 Hour Rated, Add	*400.52*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,521.28	63.07
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,540.33	66.86
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,590.17	70.42
		For Dynamic Damper, Add	*744.36*	
		For 3 Hour Rated, Add	*413.54*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.93	74.21
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,693.89	85.36
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,747.64	92.71
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,812.80	98.73
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,915.02	103.86
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,980.07	109.87
		For Dynamic Damper, Add	*891.12*	
		For 3 Hour Rated, Add	*495.07*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,075.70	112.77
		For Dynamic Damper, Add	*937.95*	
		For 3 Hour Rated, Add	*521.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,172.32	118.79
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,486.52	55.72
		For Dynamic Damper, Add	*712.46*	
		For 3 Hour Rated, Add	*395.81*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,529.19	59.28
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,563.99	63.07
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.03	66.86
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,625.69	70.42
		For Dynamic Damper, Add	*763.54*	
		For 3 Hour Rated, Add	*424.19*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,668.31	74.21
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,752.31	89.14
		For Dynamic Damper, Add	*801.83*	
		For 3 Hour Rated, Add	*445.46*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,813.93	96.50
		For Dynamic Damper, Add	*823.07*	
		For 3 Hour Rated, Add	*457.26*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,915.02	103.86
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,008.20	111.43
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,109.23	118.79
		For Dynamic Damper, Add	*946.43*	
		For 3 Hour Rated, Add	*525.80*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,191.27	122.36
		For Dynamic Damper, Add	*984.71*	
		For 3 Hour Rated, Add	*547.06*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,273.36	126.14
		For Dynamic Damper, Add	*1,023.02*	
		For 3 Hour Rated, Add	*568.35*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,355.45	129.93
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,521.28	59.28
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,563.99	63.07
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.03	66.86
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.93	74.21
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,682.74	81.57
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,736.50	89.14
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,806.12	96.50
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,875.64	103.86
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,968.82	111.43
		For Dynamic Damper, Add	*882.64*	
		For 3 Hour Rated, Add	*490.36*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,077.71	118.79
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,159.85	122.36
		For Dynamic Damper, Add	*967.74*	
		For 3 Hour Rated, Add	*537.64*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,265.45	126.14
		For Dynamic Damper, Add	*1,018.75*	
		For 3 Hour Rated, Add	*565.97*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,358.69	133.50
		For Dynamic Damper, Add	*1,057.07*	
		For 3 Hour Rated, Add	*587.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,464.39	137.29
		For Dynamic Damper, Add	*1,108.13*	
		For 3 Hour Rated, Add	*615.63*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,560.81	148.43
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,556.09	63.07
		For Dynamic Damper, Add	*737.99*	
		For 3 Hour Rated, Add	*410.00*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,598.75	66.86
		For Dynamic Damper, Add	*755.01*	
		For 3 Hour Rated, Add	*419.45*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,652.55	74.21
		For Dynamic Damper, Add	*772.03*	
		For 3 Hour Rated, Add	*428.91*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,682.74	81.57
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,740.50	89.14
		For Dynamic Damper, Add	*795.45*	
		For 3 Hour Rated, Add	*441.92*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,798.22	96.50
		For Dynamic Damper, Add	*814.58*	
		For 3 Hour Rated, Add	*452.55*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,867.79	103.86
		For Dynamic Damper, Add	*840.12*	
		For 3 Hour Rated, Add	*466.73*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,937.30	111.43
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,030.48	118.79
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,147.33	126.14
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,237.18	129.93
		For Dynamic Damper, Add	*997.47*	
		For 3 Hour Rated, Add	*554.15*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,350.83	133.50
		For Dynamic Damper, Add	*1,052.82*	
		For 3 Hour Rated, Add	*584.90*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,467.59	141.08
		For Dynamic Damper, Add	*1,103.84*	
		For 3 Hour Rated, Add	*613.24*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,560.81	148.43
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,688.75	159.58
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,789.84	166.93
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.03	66.86
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,644.64	74.21
		For Dynamic Damper, Add	*767.76*	
		For 3 Hour Rated, Add	*426.53*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,690.60	81.57
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,720.74	89.14
		For Dynamic Damper, Add	*784.78*	
		For 3 Hour Rated, Add	*435.99*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,786.41	96.50
		For Dynamic Damper, Add	*808.21*	
		For 3 Hour Rated, Add	*449.00*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,852.03	103.86
		For Dynamic Damper, Add	*831.61*	
		For 3 Hour Rated, Add	*462.00*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,917.59	111.43
		For Dynamic Damper, Add	*854.98*	
		For 3 Hour Rated, Add	*474.99*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.20	118.79
		For Dynamic Damper, Add	*878.37*	
		For 3 Hour Rated, Add	*487.99*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,100.00	126.14
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,205.76	129.93
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,303.50	133.50
		For Dynamic Damper, Add	*1,027.26*	
		For 3 Hour Rated, Add	*570.70*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,436.11	141.08
		For Dynamic Damper, Add	*1,086.84*	
		For 3 Hour Rated, Add	*603.80*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,552.91	148.43
		For Dynamic Damper, Add	*1,137.88*	
		For 3 Hour Rated, Add	*632.15*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,677.61	155.79
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,778.69	163.36
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,903.40	170.72
		For Dynamic Damper, Add	*1,291.04*	
		For 3 Hour Rated, Add	*717.24*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,028.11	178.07
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.93	74.21
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,690.60	81.57
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,728.65	89.14
		For Dynamic Damper, Add	*789.05*	
		For 3 Hour Rated, Add	*438.36*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,758.79	96.50
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,828.41	103.86
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,897.92	111.43
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,971.39	118.79
		For Dynamic Damper, Add	*872.00*	
		For 3 Hour Rated, Add	*484.44*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,044.91	126.14
		For Dynamic Damper, Add	*899.66*	
		For 3 Hour Rated, Add	*499.81*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,158.48	129.93
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,264.13	133.50
		For Dynamic Damper, Add	*1,006.00*	
		For 3 Hour Rated, Add	*558.89*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,388.88	141.08
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,513.58	148.43
		For Dynamic Damper, Add	*1,116.64*	
		For 3 Hour Rated, Add	*620.36*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,614.62	155.79
		For Dynamic Damper, Add	*1,159.16*	
		For 3 Hour Rated, Add	*643.98*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,762.93	163.36
		For Dynamic Damper, Add	*1,227.22*	
		For 3 Hour Rated, Add	*681.79*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,895.54	170.72
		For Dynamic Damper, Add	*1,286.79*	
		For 3 Hour Rated, Add	*714.89*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,028.11	178.07
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,144.86	185.64
		For Dynamic Damper, Add	*1,397.35*	
		For 3 Hour Rated, Add	*776.31*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,261.80	193.00
		For Dynamic Damper, Add	*1,448.47*	
		For 3 Hour Rated, Add	*804.71*	
23 33 13 19-0173		**Smoke Damper** *(23 33 13 19)*		
		Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.43	16.49
		For Dynamic Damper, Add	*51.27*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.03	17.24
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	

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23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.76	17.38
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.76	17.38
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.64	17.83
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.38	19.76
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.64	17.83
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.40	18.87
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.80	19.76
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.62	22.29
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.21	18.87
		For Dynamic Damper, Add	*57.11*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.80	19.76
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.16	20.80
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.04	22.29
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.46	24.81
		For Dynamic Damper, Add	*64.90*	
		For 3 Hour Rated, Add	*36.05*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.35	19.76
		For Dynamic Damper, Add	*106.33*	
		For 3 Hour Rated, Add	*59.07*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.19	21.25
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.55	23.33
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.38	24.81
		For Dynamic Damper, Add	*110.21*	
		For 3 Hour Rated, Add	*61.23*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.85	27.19
		For Dynamic Damper, Add	*113.48*	
		For 3 Hour Rated, Add	*63.04*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.29	29.72
		For Dynamic Damper, Add	*116.72*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.70	20.80
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.77	22.29
		For Dynamic Damper, Add	*109.57*	
		For 3 Hour Rated, Add	*60.87*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.82	24.81
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.25	27.19
		For Dynamic Damper, Add	*114.77*	
		For 3 Hour Rated, Add	*63.76*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.48	29.72
		For Dynamic Damper, Add	*117.36*	
		For 3 Hour Rated, Add	*65.20*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.93	32.10
		For Dynamic Damper, Add	*120.61*	
		For 3 Hour Rated, Add	*67.01*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.97	34.62
		For Dynamic Damper, Add	*122.56*	
		For 3 Hour Rated, Add	*68.09*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.58	22.29
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.80	24.81
		For Dynamic Damper, Add	*111.52*	
		For 3 Hour Rated, Add	*61.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.04	27.19
		For Dynamic Damper, Add	*114.12*	
		For 3 Hour Rated, Add	*63.40*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.10	29.72
		For Dynamic Damper, Add	*119.32*	
		For 3 Hour Rated, Add	*66.29*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.14	32.10
		For Dynamic Damper, Add	*121.27*	
		For 3 Hour Rated, Add	*67.37*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.18	34.62
		For Dynamic Damper, Add	*123.22*	
		For 3 Hour Rated, Add	*68.45*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.40	37.15
		For Dynamic Damper, Add	*125.80*	
		For 3 Hour Rated, Add	*69.89*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.63	39.53
		For Dynamic Damper, Add	*128.40*	
		For 3 Hour Rated, Add	*71.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.23	24.81
		For Dynamic Damper, Add	*150.63*	
		For 3 Hour Rated, Add	*83.69*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.89	27.19
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.14	29.72
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.78	32.10
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.82	34.62
		For Dynamic Damper, Add	*162.98*	
		For 3 Hour Rated, Add	*90.55*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.84	37.15
		For Dynamic Damper, Add	*164.92*	
		For 3 Hour Rated, Add	*91.62*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.48	39.53
		For Dynamic Damper, Add	*168.81*	
		For 3 Hour Rated, Add	*93.79*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.56	44.58
		For Dynamic Damper, Add	*172.71*	
		For 3 Hour Rated, Add	*95.95*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.05	49.48
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.89	27.19
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.14	29.72
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.78	32.10
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.01	34.62
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.45	37.15
		For Dynamic Damper, Add	*166.87*	
		For 3 Hour Rated, Add	*92.71*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.88	39.53
		For Dynamic Damper, Add	*170.11*	
		For 3 Hour Rated, Add	*94.51*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.96	44.58
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.05	49.48
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.89	52.01
		For Dynamic Damper, Add	*185.70*	
		For 3 Hour Rated, Add	*103.16*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.78	56.91
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.35	29.72
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.16	32.10
		For Dynamic Damper, Add	*162.32*	
		For 3 Hour Rated, Add	*90.18*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.01	34.62
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.24	37.15
		For Dynamic Damper, Add	*166.22*	
		For 3 Hour Rated, Add	*92.34*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.34	39.53
		For Dynamic Damper, Add	*170.36*	
		For 3 Hour Rated, Add	*94.64*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.96	44.58
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.45	49.48
		For Dynamic Damper, Add	*179.21*	
		For 3 Hour Rated, Add	*99.56*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.94	54.37
		For Dynamic Damper, Add	*184.41*	
		For 3 Hour Rated, Add	*102.45*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.78	56.91
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.50	60.92
		For Dynamic Damper, Add	*201.29*	
		For 3 Hour Rated, Add	*111.83*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	585.12	64.33
		For Dynamic Damper, Add	*211.66*	
		For 3 Hour Rated, Add	*117.59*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.11	32.10
		For Dynamic Damper, Add	*167.15*	
		For 3 Hour Rated, Add	*92.86*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.57	34.62
		For Dynamic Damper, Add	*169.87*	
		For 3 Hour Rated, Add	*94.37*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.02	37.15
		For Dynamic Damper, Add	*172.58*	
		For 3 Hour Rated, Add	*95.88*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.02	39.53
		For Dynamic Damper, Add	*176.67*	
		For 3 Hour Rated, Add	*98.15*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.68	44.58
		For Dynamic Damper, Add	*178.72*	
		For 3 Hour Rated, Add	*99.29*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.89	46.96
		For Dynamic Damper, Add	*180.76*	
		For 3 Hour Rated, Add	*100.42*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.77	54.37
		For Dynamic Damper, Add	*187.56*	
		For 3 Hour Rated, Add	*104.20*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.20	59.44
		For Dynamic Damper, Add	*194.35*	
		For 3 Hour Rated, Add	*107.97*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.26	61.36
		For Dynamic Damper, Add	*202.52*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.77	65.82
		For Dynamic Damper, Add	*213.39*	
		For 3 Hour Rated, Add	*118.55*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.79	69.23
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.37	71.76
		For Dynamic Damper, Add	*233.79*	
		For 3 Hour Rated, Add	*129.88*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.57	37.15
		For Dynamic Damper, Add	*196.87*	
		For 3 Hour Rated, Add	*109.37*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.07	39.53
		For Dynamic Damper, Add	*202.31*	
		For 3 Hour Rated, Add	*112.39*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.02	42.05
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.97	44.58
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.66	46.96
		For Dynamic Damper, Add	*209.80*	
		For 3 Hour Rated, Add	*116.55*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.91	49.48
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.27	56.91
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.21	61.80
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.20	65.82
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.29	69.23
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.29	73.25
		For Dynamic Damper, Add	*256.71*	
		For 3 Hour Rated, Add	*142.62*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	728.94	75.18
		For Dynamic Damper, Add	*271.67*	
		For 3 Hour Rated, Add	*150.93*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	766.02	79.19
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.05	37.15
		For Dynamic Damper, Add	*199.59*	
		For 3 Hour Rated, Add	*110.89*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.54	39.53
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.55	42.05
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.51	44.58
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.00	46.96
		For Dynamic Damper, Add	*215.92*	
		For 3 Hour Rated, Add	*119.96*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.50	49.48
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.83	59.44
		For Dynamic Damper, Add	*228.17*	
		For 3 Hour Rated, Add	*126.76*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	628.25	64.33
		For Dynamic Damper, Add	*234.95*	
		For 3 Hour Rated, Add	*130.53*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.29	69.23
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.83	74.28
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.85	79.19
		For Dynamic Damper, Add	*274.39*	
		For 3 Hour Rated, Add	*152.44*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	775.95	81.57
		For Dynamic Damper, Add	*286.63*	
		For 3 Hour Rated, Add	*159.24*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	806.06	84.09
		For Dynamic Damper, Add	*298.88*	
		For 3 Hour Rated, Add	*166.04*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	836.16	86.62
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.02	39.53
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.55	42.05
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.51	44.58
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.91	49.48
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.84	54.37
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.78	59.44
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.74	64.33
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.69	69.23
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.22	74.28
		For Dynamic Damper, Add	*253.99*	
		For 3 Hour Rated, Add	*141.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	735.78	79.19
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	765.90	81.57
		For Dynamic Damper, Add	*281.21*	
		For 3 Hour Rated, Add	*156.23*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.54	84.09
		For Dynamic Damper, Add	*297.52*	
		For 3 Hour Rated, Add	*165.29*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.07	89.00
		For Dynamic Damper, Add	*309.76*	
		For 3 Hour Rated, Add	*172.09*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.72	91.52
		For Dynamic Damper, Add	*326.08*	
		For 3 Hour Rated, Add	*181.16*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	921.16	98.95
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.03	42.05
		For Dynamic Damper, Add	*207.76*	
		For 3 Hour Rated, Add	*115.42*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.53	44.58
		For Dynamic Damper, Add	*213.20*	
		For 3 Hour Rated, Add	*118.44*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.46	49.48
		For Dynamic Damper, Add	*218.64*	
		For 3 Hour Rated, Add	*121.46*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.84	54.37
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.05	59.44
		For Dynamic Damper, Add	*226.13*	
		For 3 Hour Rated, Add	*125.63*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.22	64.33
		For Dynamic Damper, Add	*232.24*	
		For 3 Hour Rated, Add	*129.02*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	653.18	69.23
		For Dynamic Damper, Add	*240.40*	
		For 3 Hour Rated, Add	*133.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	683.15	74.28
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.69	79.19
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	765.75	84.09
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.36	86.62
		For Dynamic Damper, Add	*290.71*	
		For 3 Hour Rated, Add	*161.51*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.55	89.00
		For Dynamic Damper, Add	*308.40*	
		For 3 Hour Rated, Add	*171.33*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.61	94.05
		For Dynamic Damper, Add	*324.71*	
		For 3 Hour Rated, Add	*180.39*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	921.16	98.95
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	973.66	106.38
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,013.72	111.28
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.51	44.58
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.94	49.48
		For Dynamic Damper, Add	*217.27*	
		For 3 Hour Rated, Add	*120.71*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.36	54.37
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.72	59.44
		For Dynamic Damper, Add	*222.71*	
		For 3 Hour Rated, Add	*123.73*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.44	64.33
		For Dynamic Damper, Add	*230.20*	
		For 3 Hour Rated, Add	*127.89*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.14	69.23
		For Dynamic Damper, Add	*237.68*	
		For 3 Hour Rated, Add	*132.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	676.85	74.28
		For Dynamic Damper, Add	*245.15*	
		For 3 Hour Rated, Add	*136.20*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.56	79.19
		For Dynamic Damper, Add	*252.63*	
		For 3 Hour Rated, Add	*140.35*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.64	84.09
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.31	86.62
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.44	89.00
		For Dynamic Damper, Add	*300.24*	
		For 3 Hour Rated, Add	*166.80*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.56	94.05
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.64	98.95
		For Dynamic Damper, Add	*335.60*	
		For 3 Hour Rated, Add	*186.44*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	966.24	103.86
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,006.29	108.91
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,053.89	113.81
		For Dynamic Damper, Add	*384.57*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,101.48	118.71
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.91	49.48
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.36	54.37
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.25	59.44
		For Dynamic Damper, Add	*224.07*	
		For 3 Hour Rated, Add	*124.49*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.63	64.33
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.59	69.23
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.55	74.28
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.78	79.19
		For Dynamic Damper, Add	*250.59*	
		For 3 Hour Rated, Add	*139.22*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.01	84.09
		For Dynamic Damper, Add	*259.43*	
		For 3 Hour Rated, Add	*144.13*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.18	86.62
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	810.83	89.00
		For Dynamic Damper, Add	*293.43*	
		For 3 Hour Rated, Add	*163.02*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	858.45	94.05
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.05	98.95
		For Dynamic Damper, Add	*328.80*	
		For 3 Hour Rated, Add	*182.67*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	946.09	103.86
		For Dynamic Damper, Add	*342.40*	
		For 3 Hour Rated, Add	*190.22*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,001.23	108.91
		For Dynamic Damper, Add	*364.15*	
		For 3 Hour Rated, Add	*202.31*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,051.35	113.81
		For Dynamic Damper, Add	*383.19*	
		For 3 Hour Rated, Add	*212.89*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,101.48	118.71
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,146.53	123.77
		For Dynamic Damper, Add	*418.55*	
		For 3 Hour Rated, Add	*232.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,191.64	128.67
		For Dynamic Damper, Add	*434.88*	
		For 3 Hour Rated, Add	*241.60*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	125.49	16.49
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	153.02	17.24
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	187.10	17.38
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	178.67	17.38
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	170.09	17.83
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	205.19	19.76
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	158.43	17.83
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	199.36	19.76
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	189.78	20.80
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	219.72	22.29
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	178.89	18.87
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	181.28	20.80
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	215.49	22.29
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	188.61	24.81
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	215.09	27.19
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	199.36	19.76
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	202.73	22.29
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	183.17	24.81
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	204.93	24.81
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	234.15	27.19
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	263.33	29.72
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	177.05	20.80
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	164.84	22.29
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	196.75	24.81
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	228.67	27.19
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	260.60	29.72
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	298.81	32.10
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	338.95	37.15
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	272.19	39.53
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	317.69	44.58
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	194.24	22.29
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	183.17	24.81
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	217.79	27.19
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	252.46	29.72
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	293.20	32.10
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	328.71	34.62
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	272.19	39.53
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	289.21	39.53
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	338.13	44.58
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	387.05	49.48
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	358.11	54.37
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	397.29	59.44
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	172.26	24.81
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	212.36	27.19
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	252.46	29.72
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	298.81	32.10
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	254.52	37.15
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	282.39	39.53
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	317.69	44.58
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	338.13	44.58
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	393.87	49.48
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	367.82	54.37
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	411.90	59.44
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	455.93	64.33
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	441.60	69.23
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	479.81	74.28
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	503.17	74.28
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	188.61	24.81
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	234.15	27.19
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	293.20	32.10
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	254.52	37.15
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	285.80	39.53
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	324.52	44.58
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	363.23	49.48
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	387.05	49.48
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	367.82	54.37
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	416.77	59.44
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	465.68	64.33
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	468.12	74.28
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	495.39	74.28
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	537.48	79.19
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	579.60	84.09
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	606.87	84.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	601.29	89.00
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	625.11	89.00
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	212.36	27.19
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	276.35	32.10
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	328.71	34.62
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	282.39	39.53
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	324.52	44.58
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	366.61	49.48
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	323.77	49.48
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	358.11	54.37
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	411.90	59.44
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	465.68	64.33
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	472.03	74.28
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	503.17	74.28
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	549.17	79.19
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	595.17	84.09
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	594.46	89.00
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	621.73	89.00
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	663.82	94.05
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	691.09	94.05
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	670.90	98.95
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	694.25	98.95
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	732.47	103.86
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	228.67	27.19
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	306.24	34.62
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	272.19	39.53
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	317.69	44.58
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	363.23	49.48
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	323.77	49.48
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	360.53	54.37
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	397.29	59.44
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	455.93	64.33
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	468.12	74.28
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	503.17	74.28
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	553.05	79.19
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	602.96	84.09
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	604.67	89.00
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	650.21	94.05
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	680.85	94.05
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	665.07	98.95
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	691.34	98.95
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	732.47	103.86
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	758.74	103.86
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	785.05	103.86
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	252.46	29.72
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	336.14	37.15
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	289.21	39.53
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	338.13	44.58
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	387.05	49.48
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	358.11	54.37
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	397.29	59.44
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	436.45	64.33
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	441.60	69.23
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	495.39	74.28
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	549.17	79.19
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	602.96	84.09
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	608.08	89.00
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	657.00	94.05
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	691.09	94.05
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	662.15	98.95
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	281.96	32.10
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	268.77	39.53
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	321.10	44.58
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	373.43	49.48
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	350.79	54.37
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	392.42	59.44
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	419.19	59.44
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	460.80	64.33
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	479.81	74.28
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	537.48	79.19
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	595.17	84.09
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	604.67	89.00
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	657.00	94.05
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	694.46	94.05
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	682.59	98.95
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	698.62	98.95
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	306.24	34.62
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	282.39	39.53
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	338.13	44.58
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	323.77	49.48
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	367.82	54.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	411.90	59.44
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	455.93	64.33
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	441.60	69.23
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	503.17	74.28
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	579.60	84.09
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	594.46	89.00
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	650.21	94.05
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	691.09	94.05
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	682.59	98.95
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	732.47	103.86
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	749.99	103.86
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	314.67	34.62
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	304.07	44.58
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	361.52	49.48
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	345.92	54.37
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	391.21	59.44
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	436.45	64.33
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	481.73	69.23
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	466.16	74.28
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	529.69	79.19
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	593.22	84.09
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	608.08	89.00
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	665.53	94.05
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	662.15	98.95
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	698.62	98.95
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	749.99	103.86
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	768.23	103.86

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	137.00	16.49
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	168.41	17.24
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	173.59	17.38
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	181.70	17.38
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	199.39	17.83
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	221.55	19.76
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	223.70	17.83
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	253.97	19.76
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	256.93	20.80
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	269.49	22.29
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	216.43	18.87
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	228.31	20.80
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	244.61	22.29
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	252.03	24.81
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	271.30	27.19
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	266.80	19.76
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	280.16	22.29
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	244.07	24.81
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	244.07	24.81
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	270.34	27.19
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	277.77	29.72
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	260.45	20.80
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	264.91	22.29
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	286.48	24.81
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	308.06	27.19
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	315.49	29.72
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	322.92	32.10
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	342.50	37.15
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	338.27	39.53
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	370.70	44.58
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	303.84	22.29
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	320.04	24.81
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	327.47	27.19
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	352.42	29.72
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	359.85	32.10
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	367.28	34.62
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	395.33	39.53
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	399.70	39.53
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	414.56	44.58
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	438.20	49.48
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	470.63	54.37
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	485.49	59.44
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	390.25	24.81
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	397.68	27.19
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	405.11	29.72
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	412.54	32.10
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	440.55	37.15
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	469.91	39.53
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	484.77	44.58
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	484.77	44.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	429.42	49.48
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	405.29	54.37
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	420.15	59.44
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	446.51	64.33
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	467.12	69.23
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	481.98	74.28
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	481.98	74.28
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	350.68	24.81
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	358.11	27.19
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	372.97	32.10
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	393.59	37.15
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	406.78	39.53
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	421.64	44.58
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	436.50	49.48
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	459.53	49.48
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	474.39	54.37
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	489.25	59.44
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	509.86	64.33
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	545.33	74.28
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	545.33	74.28
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	586.11	79.19
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	547.93	84.09
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	547.93	84.09
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	562.79	89.00
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	575.09	89.00
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	391.81	27.19
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	406.67	32.10
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	419.04	34.62
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	443.71	39.53
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	478.27	44.58
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	493.13	49.48
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	493.13	49.48
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	517.84	54.37
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	532.70	59.44
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	547.55	64.33
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	577.26	74.28
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	592.05	74.28
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	616.75	79.19
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	646.37	84.09
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	661.23	89.00
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	661.23	89.00
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	680.99	94.05
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	698.23	94.05
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	677.44	98.95
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	677.44	98.95
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	708.15	103.86
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	480.08	27.19
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	511.44	34.62
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	526.30	39.53
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	541.16	44.58
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	583.18	49.48
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	583.18	49.48
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	598.04	54.37
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	621.96	59.44
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	641.33	64.33
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	675.55	74.28
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	675.55	74.28
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	726.64	79.19
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	741.50	84.09
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	756.36	89.00
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	780.28	94.05
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	789.35	94.05
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	804.21	98.95
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	806.45	98.95
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	855.26	103.86
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	855.26	103.86
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	855.26	103.86
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	655.02	29.72
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	681.83	37.15
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	689.26	39.53
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	713.18	44.58
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	681.54	49.48
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	696.40	54.37
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	743.54	59.44
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	758.39	64.33
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	789.42	69.23
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	804.28	74.28
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	819.14	79.19
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	834.00	84.09
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	873.07	89.00
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	904.07	94.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	904.07	94.05
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	943.17	98.95
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	742.58	32.10
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	772.94	39.53
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	812.01	44.58
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	826.87	49.48
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	869.99	54.37
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	888.91	59.44
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	888.91	59.44
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	921.92	64.33
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	876.94	74.28
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	899.05	79.19
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	950.25	84.09
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	965.11	89.00
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	994.51	94.05
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	1,001.79	94.05
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	1,016.65	98.95
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	1,023.91	98.95
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	830.75	34.62
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	874.69	39.53
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	896.80	44.58
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	933.49	49.48
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	948.35	54.37
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	977.74	59.44
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	992.59	64.33
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	1,021.95	69.23
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	949.61	74.28
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	1,008.41	84.09
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	1,042.64	89.00
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	1,057.50	94.05
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	1,057.50	94.05
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	1,078.83	98.95
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,119.53	103.86
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,119.53	103.86
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	917.95	34.62
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	960.61	44.58
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	1,001.31	49.48
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	1,016.17	54.37
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	1,050.41	59.44
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	1,071.73	64.33
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	985.23	69.23
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	1,000.09	74.28
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	1,051.67	79.19
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	1,066.53	84.09
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	1,081.39	89.00
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,130.16	94.05
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,145.02	98.95
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,161.98	98.95
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,195.22	103.86
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,227.71	103.86

23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	327.40	33.94
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	565.59	33.94

23 33 13 33 Splitter Damper Hardware *(23 33 13)*

23 33 13 33-0001	EA	Splitter Damper, Hardware	52.58	10.39

23 33 13 43 Blower Check Valve *(23 33 13)*

23 33 13 43-0001 Blower Check Valves With Silicone Seals *(23 33 13 43)*

23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	321.89	38.34
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	359.49	43.68
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	461.93	57.94
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	636.99	66.86
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	714.23	80.23
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,062.84	101.62

23 33 13 43-0008 Blower Check Valves With Viton Seats *(23 33 13 43)*

23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	443.72	38.34
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	504.28	43.68
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	562.74	57.94
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	787.92	66.86
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	880.84	80.23
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,357.57	101.62

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 33 19 Duct Silencers *(23 33)*

23 33 19 00-0001 36" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	433.45	60.83
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	520.30	69.73
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	671.90	80.12
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	815.02	90.50
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	756.11	90.50
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	960.45	94.96
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,059.83	100.88
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,162.20	106.82
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,518.62	121.66
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	955.83	100.88
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,286.36	121.66
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,263.35	163.20
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,501.29	172.10
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,790.61	185.45
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,131.93	201.78

23 33 19 00-0017 60" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	483.73	133.53
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	582.35	154.30
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	753.95	178.04
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	914.65	200.30
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	847.68	200.30
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,081.78	212.17
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,189.64	222.54
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,299.73	234.41
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,708.04	267.06
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,071.46	222.54
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,444.11	267.06
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,534.60	351.62
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,827.25	381.29
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,137.44	405.03
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,529.58	445.10

23 33 19 00-0033 84" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	415.57	111.27
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	708.07	166.17
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	989.80	243.32
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	558.57	133.53
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	692.65	154.30
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	935.16	178.04
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,102.43	191.39
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,202.67	206.23
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,508.73	222.54
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,781.61	243.32
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,037.22	206.23
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,466.80	215.13
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,599.34	222.54
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,740.94	234.41
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,178.11	252.22
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,361.98	267.06

23 33 23 Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	15.86	3.71
		For Stainless Steel, Add	*9.80*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	15.39	1.48
		For Stainless Steel, Add	*14.77*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	63.49	5.57
		For Stainless Steel, Add	*67.84*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	78.93	5.93
		For Stainless Steel, Add	*85.81*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	107.98	6.23
		For Stainless Steel, Add	*120.14*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	137.08	6.68
		For Stainless Steel, Add	*154.48*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	151.91	7.12
		For Stainless Steel, Add	*171.61*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	194.28	6.68
		For Stainless Steel, Add	*223.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	238.74	7.87
		For Stainless Steel, Add	*274.62*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	256.35	8.22
		For Stainless Steel, Add	*295.28*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	286.28	8.54
		For Stainless Steel, Add	*330.72*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	115.53	20.77
		For Stainless Steel, Add	*56.12*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	122.27	20.77
		For Stainless Steel, Add	*67.92*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	125.56	20.77
		For Stainless Steel, Add	*73.68*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	162.07	25.22
		For Stainless Steel, Add	*103.88*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	163.40	25.22
		For Stainless Steel, Add	*106.21*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	203.38	34.13
		For Stainless Steel, Add	*122.24*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	242.13	41.54
		For Stainless Steel, Add	*131.64*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	314.90	56.38
		For Stainless Steel, Add	*161.63*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	18.60	4.45
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	19.06	4.00

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.04	1.48
		For R6.0 Insulated Flexible Duct, Deduct	*-0.92*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.07*	
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.11	2.96
		For R6.0 Insulated Flexible Duct, Deduct	*-0.97*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.13*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	12.52	2.96
		For R6.0 Insulated Flexible Duct, Deduct	*-1.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.16*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	14.54	2.96
		For R6.0 Insulated Flexible Duct, Deduct	*-1.11*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.30*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	17.09	4.45
		For R6.0 Insulated Flexible Duct, Deduct	*-1.12*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.31*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	22.09	4.45
		For R6.0 Insulated Flexible Duct, Deduct	*-1.51*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.76*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	29.73	5.93
		For R6.0 Insulated Flexible Duct, Deduct	*-1.80*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.10*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	36.98	5.93
		For R6.0 Insulated Flexible Duct, Deduct	*-2.19*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.56*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	48.35	7.42
		For R6.0 Insulated Flexible Duct, Deduct	*-2.62*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.06*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	58.85	9.64
		For R6.0 Insulated Flexible Duct, Deduct	*-3.41*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.98*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	69.07	10.39
		For R6.0 Insulated Flexible Duct, Deduct	*-5.15*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.00*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		55.06	8.90
		For Stainless Steel, Add		*26.02*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		60.11	10.39
		For Stainless Steel, Add		*26.35*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		68.73	10.39
		For Stainless Steel, Add		*29.06*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		78.40	13.35
		For Stainless Steel, Add		*29.99*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		95.00	16.32
		For Stainless Steel, Add		*33.88*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		111.10	19.29
		For Stainless Steel, Add		*41.76*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		126.52	22.26
		For Stainless Steel, Add		*45.00*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		149.32	25.22
		For Stainless Steel, Add		*56.34*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		162.64	28.19
		For Stainless Steel, Add		*61.64*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board		14.38	4.11
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board		15.72	4.11
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board		17.39	5.48
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board		21.23	5.48
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board		25.60	6.16
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board		13.64	4.45
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board		14.94	4.45
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board		16.57	5.93
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board		20.09	5.93
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board		24.34	6.68

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket		2.39	3.56
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket		2.99	4.00
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket		3.28	4.00
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket		4.10	4.00
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket		3.51	4.45
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket		3.72	4.90
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket		5.50	4.90

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor		72.27	24.48
		For Stainless Steel, Add		*27.97*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor		76.72	26.70
		For Stainless Steel, Add		*27.97*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor		88.63	28.19
		For Stainless Steel, Add		*38.70*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor		100.26	29.67
		For Stainless Steel, Add		*49.09*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor		132.83	32.64
		For Stainless Steel, Add		*81.06*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor		95.50	29.67
		For Stainless Steel, Add		*43.38*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor		126.51	37.09
		For Stainless Steel, Add		*62.80*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor		135.95	42.27
		For Stainless Steel, Add		*61.66*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor		166.00	49.69
		For Stainless Steel, Add		*79.92*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor		190.05	59.35
		For Stainless Steel, Add		*85.63*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor		237.79	74.18
		For Stainless Steel, Add		*107.32*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)		1,337.54	44.51
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)		1,099.15	37.09
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)		1,090.80	40.80

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0001		**Tube-Axial Fans** *(23 34 13)*		
23 34 13 00-0002		**Direct Drive Tube-Axial Duct Fans** *(23 34 13 00-0001)*		
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,137.39	455.71
		For 1/4" Static Pressure, Add	*98.00*	
		For 3/8" Static Pressure, Add	*196.01*	
		For 1/2" Static Pressure, Add	*269.51*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,224.90	457.09
		For 1/4" Static Pressure, Add	*105.00*	
		For 3/8" Static Pressure, Add	*210.01*	
		For 1/2" Static Pressure, Add	*288.76*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,399.90	455.71
		For 1/4" Static Pressure, Add	*119.00*	
		For 3/8" Static Pressure, Add	*238.01*	
		For 1/2" Static Pressure, Add	*327.26*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,574.91	457.09
		For 1/4" Static Pressure, Add	*133.00*	
		For 3/8" Static Pressure, Add	*266.01*	
		For 1/2" Static Pressure, Add	*365.76*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	3,019.89	547.40
		For 1/4" Static Pressure, Add	*154.01*	
		For 3/8" Static Pressure, Add	*308.01*	
		For 1/2" Static Pressure, Add	*423.52*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,465.09	595.30
		For 1/4" Static Pressure, Add	*182.01*	
		For 3/8" Static Pressure, Add	*364.01*	
		For 1/2" Static Pressure, Add	*500.52*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,665.94	651.42
		For 1/4" Static Pressure, Add	*189.01*	
		For 3/8" Static Pressure, Add	*378.01*	
		For 1/2" Static Pressure, Add	*519.77*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,168.62	684.26
		For 1/4" Static Pressure, Add	*224.01*	
		For 3/8" Static Pressure, Add	*448.02*	
		For 1/2" Static Pressure, Add	*616.02*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	5,035.77	855.33
		For 1/4" Static Pressure, Add	*266.01*	
		For 3/8" Static Pressure, Add	*532.02*	
		For 1/2" Static Pressure, Add	*731.53*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,674.83	912.80
		For 1/4" Static Pressure, Add	*308.01*	
		For 3/8" Static Pressure, Add	*616.02*	
		For 1/2" Static Pressure, Add	*847.03*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,655.57	1,052.39
		For 1/4" Static Pressure, Add	*364.01*	
		For 3/8" Static Pressure, Add	*728.03*	
		For 1/2" Static Pressure, Add	*1,001.04*	
23 34 13 00-0014		**Belt Drive Tube-Axial Duct Fans** *(23 34 13 00-0001)*		
23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	2,028.99	442.03
		For 1/4" Static Pressure, Add	*91.69*	
		For 3/8" Static Pressure, Add	*183.37*	
		For 1/2" Static Pressure, Add	*252.14*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,148.90	457.09
		For 1/4" Static Pressure, Add	*98.92*	
		For 3/8" Static Pressure, Add	*197.85*	
		For 1/2" Static Pressure, Add	*272.04*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,220.58	472.14
		For 1/4" Static Pressure, Add	*102.14*	
		For 3/8" Static Pressure, Add	*204.28*	
		For 1/2" Static Pressure, Add	*280.89*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,348.11	488.56
		For 1/4" Static Pressure, Add	*109.65*	
		For 3/8" Static Pressure, Add	*219.30*	
		For 1/2" Static Pressure, Add	*301.53*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,639.00	507.72
		For 1/4" Static Pressure, Add	*130.02*	
		For 3/8" Static Pressure, Add	*260.04*	
		For 1/2" Static Pressure, Add	*357.56*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,781.86	526.88
		For 1/4" Static Pressure, Add	*138.33*	
		For 3/8" Static Pressure, Add	*276.67*	
		For 1/2" Static Pressure, Add	*380.42*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	3,105.48	547.40
		For 1/4" Static Pressure, Add	*160.85*	
		For 3/8" Static Pressure, Add	*321.71*	
		For 1/2" Static Pressure, Add	*442.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,488.70	547.40
		For 1/4" Static Pressure, Add	*191.65*	
		For 3/8" Static Pressure, Add	*383.30*	
		For 1/2" Static Pressure, Add	*527.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	4,036.38	595.30
		For 1/4" Static Pressure, Add	*227.87*	
		For 3/8" Static Pressure, Add	*455.75*	
		For 1/2" Static Pressure, Add	*626.65*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,788.60	721.20
		For 1/4" Static Pressure, Add	*268.09*	
		For 3/8" Static Pressure, Add	*536.17*	
		For 1/2" Static Pressure, Add	*737.24*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,436.31	721.20
		For 1/4" Static Pressure, Add	*319.42*	
		For 3/8" Static Pressure, Add	*638.84*	
		For 1/2" Static Pressure, Add	*878.40*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,978.75	760.89
		For 1/4" Static Pressure, Add	*356.65*	
		For 3/8" Static Pressure, Add	*713.31*	
		For 1/2" Static Pressure, Add	*980.80*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,525.60	804.69
		For 1/4" Static Pressure, Add	*393.55*	
		For 3/8" Static Pressure, Add	*787.10*	
		For 1/2" Static Pressure, Add	*1,082.26*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,460.70	1,052.39
		For 1/4" Static Pressure, Add	*428.94*	
		For 3/8" Static Pressure, Add	*857.88*	
		For 1/2" Static Pressure, Add	*1,179.59*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,487.31	1,053.75
		For 1/4" Static Pressure, Add	*511.07*	
		For 3/8" Static Pressure, Add	*1,022.14*	
		For 1/2" Static Pressure, Add	*1,405.44*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,597.14	1,243.71
		For 1/4" Static Pressure, Add	*569.44*	
		For 3/8" Static Pressure, Add	*1,138.87*	
		For 1/2" Static Pressure, Add	*1,565.95*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,520.11	300.66
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,175.95	312.02
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,239.29	248.66
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,338.46	340.76
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,396.23	361.29
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,473.02	376.35
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,550.69	400.97

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,507.66	328.44
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,553.24	340.76
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,637.81	361.29
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,687.42	376.35
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,779.06	400.97
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,869.87	420.13

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,526.44	340.76
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,584.22	361.29
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,660.62	376.35
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,725.44	400.97
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,807.35	420.13
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,922.07	451.61
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	3,011.69	474.87

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,892.42	361.29
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,996.66	376.35
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,112.41	400.97
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,173.50	420.13
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,254.04	451.61
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,322.86	474.87
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,689.83	515.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0035		**18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,988.93	376.35
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,060.44	400.97
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,155.75	420.13
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,230.29	451.61
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,333.29	474.87
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,488.84	515.94
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,589.84	547.40
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,740.54	602.14
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,020.25	400.97
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,115.53	420.13
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,230.29	451.61
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,333.29	474.87
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,529.03	515.94
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,802.31	547.40
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,994.39	602.14
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	4,193.55	644.57
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,629.21	420.13
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,697.46	451.61
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,791.13	474.87
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,908.71	515.94
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,064.40	547.40
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,117.20	602.14
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,220.35	644.57
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,404.65	722.58
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,364.83	451.61
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,507.24	515.94
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,648.44	547.40
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,798.39	602.14
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,930.55	644.57
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,047.86	722.58
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,210.05	785.53
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,589.56	903.22
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,836.34	474.87
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,983.46	547.40
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,133.39	602.14
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,265.57	644.57
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,449.86	722.58
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,611.65	785.53
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	6,019.63	903.22
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	6,076.63	1,003.13
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,774.92	602.14
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,901.81	644.57
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,098.09	722.58
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,273.27	785.53
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,532.59	903.22
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,765.05	1,003.13
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	8,149.57	1,204.30
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	8,504.22	1,389.05
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,945.60	644.57
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,196.90	722.58
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,426.10	785.53
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,738.62	903.22
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,024.68	1,003.13
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,462.78	1,204.30
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,951.53	1,389.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	10,643.13	1,806.45
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,481.01	722.58
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,718.22	785.53
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,472.93	903.22
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,981.46	1,003.13
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,607.48	1,204.30
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,087.79	1,389.05
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	12,095.88	1,806.45
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	12,940.23	2,258.05
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,524.36	177.91
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*200.33*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,787.38	177.91
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*200.33*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,618.26	177.91
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*104.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.31*	
		For Backdraft Damper, Add	*200.33*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,732.41	177.91
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*109.30*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*202.01*	
		For Backdraft Damper, Add	*200.33*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,346.54	205.28
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*93.86*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*164.56*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,510.92	205.28
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*100.44*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*178.53*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,191.18	239.49
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*127.65*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*230.54*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,366.98	239.49
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*134.68*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*245.48*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,668.30	256.60
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*146.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*268.18*	
		For Backdraft Damper, Add	*285.10*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,942.26	256.60
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*157.69*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*291.47*	
		For Backdraft Damper, Add	*285.10*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,008.43	273.70
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*160.34*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*294.19*	
		For Backdraft Damper, Add	*285.10*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,394.26	273.70
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*175.77*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*326.98*	
		For Backdraft Damper, Add	*285.10*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,060.84	307.91
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*202.43*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*377.83*	
		For Backdraft Damper, Add	*308.88*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,414.71	307.91
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*216.59*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*407.90*	
		For Backdraft Damper, Add	*308.88*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,416.87	342.13
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*256.67*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*487.27*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,533.31	342.13
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*261.33*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*497.17*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,124.60	342.13
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*284.98*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*547.43*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,409.98	342.13
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*296.40*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*571.69*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,159.07	376.35
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*326.36*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*629.54*	
		For Damper Motor, Add	*327.93*	
		For Backdraft Damper, Add	*404.28*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,487.26	376.35
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*339.49*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*657.44*	
		For Damper Motor, Add	*327.93*	
		For Backdraft Damper, Add	*404.28*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,564.88	410.56
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*658.23*	
		For Damper Motor, Add	*327.93*	
		For Backdraft Damper, Add	*470.49*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	9,285.40	410.56
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*719.47*	
		For Damper Motor, Add	*327.93*	
		For Backdraft Damper, Add	*470.49*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,767.15	177.91
		For Extended Weatherhood, Add	*300.62*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,856.51	177.91
		For Extended Weatherhood, Add	*314.02*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,966.16	177.91
		For Extended Weatherhood, Add	*330.47*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,008.69	177.91
		For Extended Weatherhood, Add	*336.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,253.73	239.49
		For Extended Weatherhood, Add	*385.96*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,716.25	273.70
		For Extended Weatherhood, Add	*462.18*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,149.90	342.13
		For Extended Weatherhood, Add	*540.91*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,811.77	410.56
		For Extended Weatherhood, Add	*653.87*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	992.38	445.31
23 34 16 00-0148	EA	Fan Belt, Replacement	161.55	60.39
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,729.27	247.03
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,314.56	296.74
		For Explosion Proof Motor, Add	*1,008.17*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,677.57	370.92
		For Explosion Proof Motor, Add	*1,190.36*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,330.33	494.79
		For Explosion Proof Motor, Add	*1,251.10*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,715.05	741.82
		For Explosion Proof Motor, Add	*1,384.71*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	18,514.90	1,483.66
		For Explosion Proof Motor, Add	*2,332.14*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,996.25	2,120.88
		For Explosion Proof Motor, Add	*3,413.18*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,729.27	247.03
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,909.67	296.74
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,058.03	370.92
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,305.90	494.79
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,067.23	741.82
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,438.13	927.29
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,705.76	1,061.11
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,971.00	1,112.74
		For Explosion Proof Motor, Add	*1,311.83*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	11,299.25	1,236.32
		For Explosion Proof Motor, Add	*1,323.98*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,823.00	177.91
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,328.31	191.59
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,552.94	205.28
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,667.05	205.28
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,065.46	239.49
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,446.30	239.49
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,770.07	239.49
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,673.51	273.70
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,221.81	273.70
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	5,372.16	342.13
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,674.85	342.13
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,888.22	342.13
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,810.43	410.56
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	7,065.10	410.56
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	7,378.07	410.56
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	583.71	119.75
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	583.71	119.75
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	662.41	126.59
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	731.66	126.59
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	920.83	126.59
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	762.58	126.59
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	871.29	126.59
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,638.56	126.59
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,023.50	133.43
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,040.55	133.43
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,705.54	133.43
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,040.55	133.43
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,397.54	133.43
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,397.54	133.43
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,397.54	133.43
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,516.90	133.43
23 34 16 00-0203		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0204		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0203)* Note: Greenheck SE1.		
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	814.31	146.43
		For Backdraft Damper, Add	*234.03*	
		For Wall Mount Collar, Add	*312.74*	
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	863.13	162.85
		For Backdraft Damper, Add	*251.04*	
		For Wall Mount Collar, Add	*312.74*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	955.78	180.64
		For Backdraft Damper, Add	*274.81*	
		For Wall Mount Collar, Add	*320.96*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,392.71	199.80
		For Backdraft Damper, Add	*329.05*	
		For Wall Mount Collar, Add	*326.89*	
		For Motor Side Guard, Add	*269.38*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,175.00	221.70
		For Backdraft Damper, Add	*329.05*	
		For Wall Mount Collar, Add	*335.11*	
		For Motor Side Guard, Add	*286.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,319.20	246.33
		For Backdraft Damper, Add	*400.22*	
		For Wall Mount Collar, Add	*343.33*	
		For Motor Side Guard, Add	*304.08*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,501.60	273.70
		For Backdraft Damper, Add	*400.22*	
		For Wall Mount Collar, Add	*349.25*	
		For Motor Side Guard, Add	*328.28*	
23 34 16 00-0212		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0203)*		
		Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,729.44	391.40
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,127.43	455.71
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,552.76	547.40
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,933.62	684.26
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,901.88	912.80
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	8,214.70	1,368.52
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,878.93	1,754.44
23 34 16 00-0220		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0203)*		
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	140.91	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	323.32	
23 34 16 00-0223		**Reversible Ceiling Fans** *(23 34 16 00-0203)*		
23 34 16 00-0224		**4 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	626.53	67.21
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.12*	
23 34 16 00-0226		**5 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	685.62	166.33
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.19*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	782.79	166.33
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.32*	
23 34 16 00-0229		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	660.98	67.74
23 34 16 00-0231		**Ceiling Fan Down Rod** *(23 34 16 00-0223)*		
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	25.20	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	33.08	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	37.02	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	49.69	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	58.07	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	71.35	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	89.23	
23 34 16 00-0239		**Explosion Proof Industrial Blowers** *(23 34 16 00-0203)*		
23 34 16 00-0240	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,807.01	
23 34 16 00-0241	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,388.27	
23 34 16 00-0242	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,536.53	
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,936.70	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,284.72	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,633.55	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,767.38	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,425.56	
23 34 16 00-0248		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0249		**Exhaust Fans** *(23 34 16 00-0248)*		
		Note: Excludes ducting.		
23 34 16 00-0250		**Light Duty Exhaust Fans** *(23 34 16 00-0249)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0251		**Light Duty Exhaust Fans** *(23 34 16 00-0250)*		
23 34 16 00-0252	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	165.12	54.31
23 34 16 00-0253	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	174.55	54.31
23 34 16 00-0254	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	287.83	54.31
23 34 16 00-0255	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	363.58	54.31
23 34 16 00-0256	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	325.12	54.31
23 34 16 00-0257	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	432.68	54.31
23 34 16 00-0258		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0250)*		
23 34 16 00-0259	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	215.58	54.31
23 34 16 00-0260	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	239.22	54.31
23 34 16 00-0261	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	447.12	54.31
23 34 16 00-0262		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0250)*		
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	220.71	54.31
23 34 16 00-0264	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	350.33	54.31
23 34 16 00-0265		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0250)*		
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	372.80	54.31
23 34 16 00-0267	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	565.73	54.31
23 34 16 00-0268		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0269		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	256.40	54.31
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	283.49	54.31
23 34 16 00-0272	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	517.98	54.31
23 34 16 00-0273	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	530.54	54.31
23 34 16 00-0274	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	569.61	54.31
23 34 16 00-0275	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	594.58	54.31
23 34 16 00-0276	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	604.26	54.31
23 34 16 00-0277	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	691.49	54.31
23 34 16 00-0278	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	787.71	54.31
23 34 16 00-0279	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	842.51	54.31
23 34 16 00-0280	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	1,002.61	54.31
23 34 16 00-0281	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,287.80	54.31
23 34 16 00-0282		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0283	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	537.85	54.31
23 34 16 00-0284	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	780.51	54.31
23 34 16 00-0285	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	825.45	54.31
23 34 16 00-0286		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0268)*		
23 34 16 00-0287	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	278.58	54.31
23 34 16 00-0288	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	304.03	54.31
23 34 16 00-0289		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
23 34 16 00-0290	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	289.76	54.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0291	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	306.60	54.31
23 34 16 00-0292	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	314.73	54.31
23 34 16 00-0293		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0294	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,382.47	54.31
23 34 16 00-0295	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,382.47	54.31
23 34 16 00-0296	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,382.47	54.31
23 34 16 00-0297	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,517.03	54.31
23 34 16 00-0298		**Room-To-Room Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0299	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	209.22	54.31
23 34 16 00-0300	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	346.80	54.31
23 34 16 00-0301	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	396.93	54.31
23 34 16 00-0302		**Through-Wall Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0303	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	370.72	54.31
23 34 16 00-0304	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	439.82	54.31
23 34 16 00-0305	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	323.21	54.31
23 34 16 00-0306	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	432.68	54.31
23 34 16 00-0307	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	756.73	54.31
23 34 16 00-0308		**Exhaust Fan Accessories** *(23 34 16 00-0249)*		
23 34 16 00-0309		**Exhaust Fan Controls** *(23 34 16 00-0308)*		
23 34 16 00-0310	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	203.71	33.94
23 34 16 00-0311	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	142.59	33.94
23 34 16 00-0312	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	144.04	33.94
23 34 16 00-0313		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0308)*		
23 34 16 00-0314		**Wall Caps For Exhaust Fans** *(23 34 16 00-0313)*		
23 34 16 00-0315	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	337.37	74.28
23 34 16 00-0316	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	342.18	74.28
23 34 16 00-0317		**Roof Caps For Exhaust Fans** *(23 34 16 00-0313)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0318	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	287.71	74.28
23 34 16 00-0319	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	412.66	74.28
23 34 16 00-0320	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	191.66	74.28
23 34 16 00-0321	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	229.14	74.28
23 34 16 00-0322		**Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan** *(23 34 16 00-0249)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0323	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	102.63	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		**Power Roof Ventilators** *(23 34 23)*		
23 34 23 00-0002		**Direct Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	712.34	195.69
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*251.01*	
		For Backdraft Damper, Add	*186.71*	
		For Solid State Speed Control, Add	*130.08*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	778.55	221.70
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*251.01*	
		For Backdraft Damper, Add	*186.71*	
		For Solid State Speed Control, Add	*130.08*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,102.01	258.65
		For 12" Roof Curb, Add	*257.86*	
		For Backdraft Damper, Add	*200.33*	
		For Solid State Speed Control, Add	*130.08*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,137.57	291.50
		For 12" Roof Curb, Add	*257.86*	
		For Backdraft Damper, Add	*200.33*	
		For Solid State Speed Control, Add	*130.08*	
		For Damper Motor, Add	*327.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,455.52	321.60
		For Solid State Speed Control, Add	*130.08*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,651.02	342.13
		For 12" Roof Curb, Add	*269.27*	
		For Backdraft Damper, Add	*227.48*	
		For Solid State Speed Control, Add	*200.85*	
		For Damper Motor, Add	*327.93*	

23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*

Note: Greenheck GB.

23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,651.00	348.40
		For 12" Roof Curb, Add	*257.86*	
		For Backdraft Damper, Add	*200.33*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,798.68	369.87
		For 12" Roof Curb, Add	*269.27*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,424.69	442.03
		For 12" Roof Curb, Add	*269.27*	
		For Backdraft Damper, Add	*227.48*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,089.96	547.40
		For 12" Roof Curb, Add	*324.07*	
		For Backdraft Damper, Add	*285.10*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	4,069.08	684.26
		For 12" Roof Curb, Add	*349.18*	
		For Backdraft Damper, Add	*308.88*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,552.89	855.33
		For 12" Roof Curb, Add	*387.99*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,607.69	855.33
		For 12" Roof Curb, Add	*387.99*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	7,198.98	855.33
		For 12" Roof Curb, Add	*387.99*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,849.86	855.33
		For 12" Roof Curb, Add	*387.99*	
		For Backdraft Damper, Add	*342.81*	
		For Damper Motor, Add	*327.93*	

23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast *(23 34 23 00-0001)*

Note: Includes back draft damper and bird screen and curb.

23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	9,226.97	1,052.39
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	15,090.88	1,368.10

23 34 23 00-0022 Belt Drive Supply Fans *(23 34 23 00-0001)*

23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,656.76	546.44
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,937.61	684.12

23 34 23 00-0025 Fan Thermostat *(23 34 23 00-0001)*

23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	157.98	

23 34 23 00-0027 Power Wall Ventilators *(23 34 23)*

23 34 23 00-0028 Centrifugal Sidewall Exhausters *(23 34 23 00-0027)*

23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster *(23 34 23 00-0028)*

Note: Greenheck CW.

23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	943.93	220.33
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*261.05*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*150.66*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,084.35	258.65
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*288.21*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*179.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,598.74	291.50
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*325.53*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*208.19*	

23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*

Note: Greenheck CWB.

23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,829.26	164.69
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*300.50*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*316.86*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,989.52	185.45
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*300.50*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*316.86*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,670.76	212.17
		For Solid State Speed Control, Add	*200.85*	
		For Backdraft Damper, Add	*377.55*	
		For Damper Motor, Add	*566.12*	
		For Interior Wall Grill, Add	*368.46*	

23 34 33 Air Curtains *(23 34)*

23 34 33 00-0001 Unheated Air Curtains For Entrances *(23 34 33)*

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,800.64	1,003.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,838.29	1,003.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,879.07	1,003.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,553.62	1,003.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,039.69	1,204.30
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	4,275.00	1,204.30
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,743.96	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,683.61	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,802.84	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	6,119.71	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	3,424.98	1,003.13
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,473.61	1,003.13
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,494.00	1,003.13
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,533.22	1,003.13
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,470.35	1,204.30
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,711.93	1,204.30
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	6,091.48	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,927.59	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	7,015.44	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	7,357.42	1,389.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,456.41	791.00
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,657.78	883.38
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	5,043.19	883.38
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,588.46	1,059.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	6,050.95	1,059.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	7,450.10	1,413.00
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	8,066.76	1,413.00
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	9,078.56	1,721.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,830.11	1,721.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	11,407.19	2,162.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	13,276.43	2,162.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	13,037.68	2,472.23
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	15,173.50	2,472.23
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	14,895.54	2,825.30
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	17,336.47	2,825.30
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,076.84	1,186.92
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,708.67	1,409.46
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,845.51	1,632.02
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,822.52	1,928.74
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	16,011.48	2,162.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	19,406.01	2,523.16
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	22,227.59	2,883.61
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	25,008.20	3,316.15
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	27,915.04	3,748.70
23 35 13 13-0011		**Vacuum Tubing And Accessories** *(23 35 13 13)*		
23 35 13 13-0012		**Galvanized Vacuum Tubing** *(23 35 13 13-0011)*		
23 35 13 13-0013	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.69	2.46
23 35 13 13-0014	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	13.05	2.60
23 35 13 13-0015	LF	3" Outside Diameter Vacuum Tubing, Galvanized	15.41	2.73
23 35 13 13-0016	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	19.84	2.88
23 35 13 13-0017	LF	4" Outside Diameter Vacuum Tubing, Galvanized	20.40	3.01
23 35 13 13-0018	LF	5" Outside Diameter Vacuum Tubing, Galvanized	33.26	3.42
23 35 13 13-0019	LF	6" Outside Diameter Vacuum Tubing, Galvanized	37.50	3.97
23 35 13 13-0020	LF	8" Outside Diameter Vacuum Tubing, Galvanized	50.79	5.48
23 35 13 13-0021	LF	10" Outside Diameter Vacuum Tubing, Galvanized	59.63	6.84
23 35 13 13-0022	LF	12" Outside Diameter Vacuum Tubing, Galvanized	145.98	9.03
23 35 13 13-0023		**Vacuum Fittings, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0024		**90 Degree Elbow** *(23 35 13 13-0023)*		
23 35 13 13-0025	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	59.84	15.74
23 35 13 13-0026	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	73.16	16.83
23 35 13 13-0027	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	90.27	18.34
23 35 13 13-0028	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	105.92	19.84
23 35 13 13-0029	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	125.55	21.89
23 35 13 13-0030	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	203.42	24.35
23 35 13 13-0031	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	268.28	27.37
23 35 13 13-0032	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	477.08	36.54
23 35 13 13-0033		**45 Degree Elbow** *(23 35 13 13-0023)*		
23 35 13 13-0034	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	56.40	15.74
23 35 13 13-0035	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	70.33	16.83
23 35 13 13-0036	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	80.76	18.34
23 35 13 13-0037	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	95.19	19.84
23 35 13 13-0038	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	115.64	21.89
23 35 13 13-0039	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	169.01	24.35
23 35 13 13-0040	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	217.68	27.37
23 35 13 13-0041	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	392.07	36.54
23 35 13 13-0042		**Wye** *(23 35 13 13-0023)*		
23 35 13 13-0043	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	107.75	26.00
23 35 13 13-0044	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	128.22	28.06
23 35 13 13-0045	EA	3" Wye, Vacuum Tubing, Galvanized	155.03	30.11
23 35 13 13-0046	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	186.99	33.53
23 35 13 13-0047	EA	4" Wye, Vacuum Tubing, Galvanized	246.32	36.27
23 35 13 13-0048	EA	5" Wye, Vacuum Tubing, Galvanized	408.47	40.38
23 35 13 13-0049	EA	6" Wye, Vacuum Tubing, Galvanized	538.25	45.84
23 35 13 13-0050	EA	8" Wye, Vacuum Tubing, Galvanized	1,048.60	49.95
23 35 13 13-0051	EA	10" Wye, Vacuum Tubing, Galvanized	1,446.95	54.74
23 35 13 13-0052	EA	12" Wye, Vacuum Tubing, Galvanized	1,825.16	61.31
23 35 13 13-0053		**Reducer** *(23 35 13 13-0023)*		
23 35 13 13-0054	EA	3" Reducer, Vacuum Tubing, Galvanized	62.53	18.34
23 35 13 13-0055	EA	4" Reducer, Vacuum Tubing, Galvanized	69.38	19.84
23 35 13 13-0056	EA	5" Reducer, Vacuum Tubing, Galvanized	86.46	21.89
23 35 13 13-0057	EA	6" Reducer, Vacuum Tubing, Galvanized	93.54	24.35
23 35 13 13-0058	EA	8" Reducer, Vacuum Tubing, Galvanized	109.03	27.37
23 35 13 13-0059		**Flexible Hose** *(23 35 13 13-0011)*		
23 35 13 13-0060	LF	2" Flexible Hose	14.16	2.46
23 35 13 13-0061	LF	3" Flexible Hose	16.92	2.73
23 35 13 13-0062	LF	4" Flexible Hose	18.36	3.01
23 35 13 13-0063		**Air Gate Valve, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0064	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	400.36	36.54
23 35 13 13-0065	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	419.66	39.00
23 35 13 13-0066	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	481.25	42.01
23 35 13 13-0067	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	546.88	44.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0068	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	615.72	47.62
23 35 13 13-0069	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	726.34	54.33
23 35 13 13-0070	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	835.79	60.90

23 35 16 Engine Exhaust Systems *(23 35)*

23 35 16 16 Mechanical Engine Exhaust Systems *(23 35 16)*

23 35 16 16-0001 Tailpipe Exhaust Equipment *(23 35 16 16)*

23 35 16 16-0002 Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*

23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*

23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*

23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,020.31	291.50
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,689.61	595.30
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,511.70	721.20

23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*

23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,561.97	595.30
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,872.12	721.20
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,871.70	1,141.35
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	7,196.50	1,472.52
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	9,079.89	1,754.44

23 35 16 16-0014 Spiral Exhaust Duct Accessories *(23 35 16 16-0002)*

23 35 16 16-0015 Flex Hose x Length *(23 35 16 16-0014)*

Note: Includes duct coupler, damper and tailpipe adapter.

23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	210.79	72.53
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	180.32	72.53
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	323.37	114.95
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	272.45	114.95
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	459.16	182.01
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	440.93	182.01
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	701.78	288.75
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	663.45	288.75

23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0014)*

23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	235.09	72.53
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	341.11	114.95
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	199.99	72.53
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	289.04	114.95
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,842.40	97.71
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,612.37	179.28
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,777.39	179.28
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	85.56	13.96
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	95.69	13.96

23 35 16 16-0034 Flexible Hose *(23 35 16 16-0014)*

23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	29.81	3.42
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	37.48	3.83
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	44.09	3.97
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	51.64	4.24
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	25.05	3.42
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	29.37	3.83
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	33.59	3.97
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	37.43	4.24

23 35 16 16-0043 Accessories *(23 35 16 16-0002)*

23 35 16 16-0044	EA	3" Tail Pipe Adapter	70.90	10.26
23 35 16 16-0045	EA	4" Tail Pipe Adapter	72.91	10.26
23 35 16 16-0046	EA	5" Tail Pipe Adapter	77.66	11.63
23 35 16 16-0047	EA	3" Bullnose (Guide)	39.42	6.84
23 35 16 16-0048	EA	4" Bullnose (Guide)	41.91	7.53
23 35 16 16-0049	EA	5" Bullnose (Guide)	44.74	8.21
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	290.76	77.59
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.17	

23 35 16 16-0052 Automatic Exhaust Extraction System *(23 35 16 16-0001)*

Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.

23 35 16 16-0053	EA	Magnatrack System For One Vehicle (30" To 40" Track)	42,912.45	
23 35 16 16-0054	EA	Magnatrack System For Two Vehicles (2 Each 30" Tracks)	61,984.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0055	EA	Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	61,984.65	
23 35 16 16-0056	EA	Magnarail System For One Vehicle (33" Rail)	50,859.20	
23 35 16 16-0057	EA	Magnarail System For Two Vehicles in Tandem (66" Rail)	76,288.80	
23 35 16 16-0058	EA	Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	39,733.75	

23 35 19 Fume Exhaust Systems *(23 35)*

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,886.53	547.00
23 35 19 00-0002	EA	Hose Extension Kit 5'	487.12	121.52

23 36 Air Terminal Units *(23 30)*

23 36 13 Constant-Air-Volume Units *(23 36)*

23 36 13 00-0001 Vertical Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	2,118.40	176.13
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,553.15	189.67
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,725.13	196.44
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,910.66	209.99
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	3,287.64	216.76

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,792.43	176.13
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	2,145.50	189.67
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,565.67	199.83

23 36 13 00-0011 Duct Boxes, Constant Volume Control *(23 36 13)*

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,507.73	56.38
		For Boxes With Motor, Add	*257.04*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,668.43	60.83
		For Boxes With Motor, Add	*285.13*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,734.85	66.77
		For Boxes With Motor, Add	*293.56*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,767.03	69.73
		For Boxes With Motor, Add	*297.77*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,795.81	77.15
		For Boxes With Motor, Add	*297.77*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,053.39	86.05
		For Boxes With Motor, Add	*341.31*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,156.81	96.44
		For Boxes With Motor, Add	*353.95*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,294.05	115.73
		For Boxes With Motor, Add	*366.72*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,430.29	133.53
		For Boxes With Motor, Add	*379.24*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,112.33	56.38
		For Boxes With Motor, Add	*377.96*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,260.15	60.83
		For Boxes With Motor, Add	*403.47*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,360.18	66.77
		For Boxes With Motor, Add	*418.62*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,459.01	69.73
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,487.79	77.15
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,858.57	87.53
		For Boxes With Motor, Add	*502.35*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,125.82	96.44
		For Boxes With Motor, Add	*547.80*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,370.89	115.73
		For Boxes With Motor, Add	*582.09*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,524.28	133.53
		For Boxes With Motor, Add	*598.03*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	672.56	68.25
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	753.08	77.15
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	838.80	86.05
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	896.83	96.44
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	1,235.24	207.56
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,501.74	246.28
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,378.93	68.25
		For Fan Powered Variable Air Volume Box, Add	*1,434.19*	
		For Hot Water Coils, Add	*449.81*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,492.60	77.15
		For Fan Powered Variable Air Volume Box, Add	*1,536.38*	
		For Hot Water Coils, Add	*480.83*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,565.57	86.05
		For Fan Powered Variable Air Volume Box, Add	*1,584.84*	
		For Hot Water Coils, Add	*494.28*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,636.36	96.44
		For Fan Powered Variable Air Volume Box, Add	*1,630.20*	
		For Hot Water Coils, Add	*506.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,905.91	207.56
		For Fan Powered Variable Air Volume Box, Add	*1,831.07*	
		For Hot Water Coils, Add	*564.59*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,228.51	246.28
		For Fan Powered Variable Air Volume Box, Add	*1,989.29*	
		For Hot Water Coils, Add	*602.85*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,258.71	68.25
		For Hot Water Coils, Add	*806.56*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,351.98	77.15
		For Hot Water Coils, Add	*829.31*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,437.70	86.05
		For Hot Water Coils, Add	*847.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,556.93	96.44
		For Hot Water Coils, Add	*879.98*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,829.04	207.56
		For Hot Water Coils, Add	*938.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,880.04	207.56
		For Hot Water Coils, Add	*959.60*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,557.55	134.86
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,704.47	153.56
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,826.54	173.44
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	2,003.77	193.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,253.64	222.54
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,479.67	267.06
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	694.24	92.73
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	753.96	102.00
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	815.27	111.27
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	878.27	120.55
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	943.10	129.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	1,009.84	139.09
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,084.02	148.36
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,155.44	157.64
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,229.28	166.91
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,305.68	176.19
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,384.85	185.45
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,466.94	194.73
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,552.19	204.00
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,633.52	213.28
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,725.26	222.54
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	143.84	19.29
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	158.85	19.29
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	158.85	19.29
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	190.90	23.74
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	190.90	22.26
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	218.42	22.26
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	251.44	29.67
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	291.00	31.16
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	329.92	35.61
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	148.85	19.29
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	168.36	19.29
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	168.36	19.29
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	202.16	22.26
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	202.16	23.74
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	260.20	29.67
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	233.68	29.67
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	291.40	35.61
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	335.82	40.06
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	366.48	78.49
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	238.68	19.29
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	247.01	19.29
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	279.45	23.74
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	300.27	22.26
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	427.41	26.70
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	450.60	28.19
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*763.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	474.17	29.67
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	547.00	29.67
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	651.66	34.13
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	732.71	35.61
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	874.16	40.06
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0035		**Round Ceiling Diffusers With Adjustable Pattern Dropped Style** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	251.17	19.29
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	272.68	19.29
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	309.52	23.74
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	333.58	23.74
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	481.54	26.70
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	411.51	28.19
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*900.88*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	542.18	29.67
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	627.96	31.16
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	709.03	34.13
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	857.62	35.61
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,031.91	40.06
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,142.58	83.53
		For Stainless Steel, Add	*2,195.26*	
23 37 13 13-0048		**Linear Type Ceiling Diffusers With 2-Way Air Deflection** *(23 37 13 13-0001)*		
23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	194.09	22.26
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	208.38	22.26
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	225.95	22.26
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	243.07	22.26
		For Stainless Steel, Add	*346.61*	
23 37 13 13-0053		**Drum Louver Diffusers, Drop Box** *(23 37 13 13)*		
23 37 13 13-0054		**Drum Louver Diffusers, Four Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0055	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box	1,361.87	130.26
		Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0056	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box	1,480.90	149.40
		Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0057	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box	1,696.63	181.60
		Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0058	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box	1,797.18	203.26
		Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0059	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box	1,917.13	220.77
		Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0060	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box	2,298.51	247.62
		Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0061	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box	2,599.82	274.62
		Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0062	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,056.63	332.64
		Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0063	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,189.37	333.83
		Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0064	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,665.42	365.57
		Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0065	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box	4,582.30	405.63
		Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0066		**Drum Louver Diffusers, Six Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0067	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box	2,153.43	165.43
		Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0068	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box	2,298.53	195.55
		Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0069	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box	2,569.76	224.04
		Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0070	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box	3,230.49	304.89
		Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0071	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box	3,713.97	331.00
		Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0072	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box	4,607.24	371.50
		Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0073	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box	5,929.98	453.10
		Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0074	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box	6,882.17	500.73
		Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0075		**Wall And Floor Diffusers** *(23 37 13 13)*		
23 37 13 13-0076		**Slot Type Linear Diffusers** *(23 37 13 13-0075)*		
		Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0077	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	65.86	7.42
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0078	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	80.37	8.90
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0079	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	111.45	10.39
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0080	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	147.09	10.39
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	
23 37 13 13-0081	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	184.32	11.87
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0082	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	215.94	14.83
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	
23 37 13 13-0083		**Linear Bar Grilles And Registers** *(23 37 13 13-0075)*		
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0084	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	201.81	8.90
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0085	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	240.98	10.39
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0086	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	262.74	10.39
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0087	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	322.34	14.83
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0088	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	445.74	19.29
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0089	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	514.23	22.26
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	
23 37 13 13-0090		**Return/Exhaust Registers And Grilles** *(23 37 13 13)*		
23 37 13 13-0091		**Return/Exhaust Registers With Frame** *(23 37 13 13-0090)*		
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0092	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	139.15	11.87
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	
23 37 13 13-0093	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	159.39	11.87
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	
23 37 13 13-0094	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	178.89	13.35
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0095	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	187.59	14.83
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0096	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	179.50	14.83
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0097	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	230.12	19.29
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0098	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	275.75	22.26
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0099	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	337.54	26.70
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	
23 37 13 13-0100	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	395.51	29.67
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0101	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	355.09	29.67
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	
23 37 13 13-0102	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	404.73	29.67
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0103	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	427.21	34.13
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0104	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	452.67	35.61
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	
23 37 13 13-0105	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	521.39	40.06
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0106	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	585.00	47.48
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	
23 37 13 13-0107	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	756.40	47.48
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0108	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	631.32	51.92
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0109	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	615.04	50.44
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0110	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	699.57	56.38
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0111	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	944.84	60.83
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	
23 37 13 13-0112	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	420.98	34.28
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0113	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	724.31	51.36
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	
23 37 13 13-0114	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	839.07	60.83
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	

23 37 13 13-0115 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0090)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0116	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	128.63	11.87
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0117	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	128.63	11.87
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0118	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	157.85	13.35
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0119	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	181.12	16.32
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0120	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	178.69	14.83
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0121	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	231.74	19.29
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0122	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	373.01	23.74
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0123	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	449.27	26.70
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0124	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	507.14	29.67
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0125	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	422.55	29.67
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0126	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	568.28	31.16
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0127	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	662.99	34.13
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	
23 37 13 13-0128	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	509.73	35.61
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0129	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	701.14	40.06
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0130	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	844.09	47.48
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	
23 37 13 13-0131	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	966.74	47.48
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0132	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	659.60	50.44
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0133	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	892.76	50.44
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0134	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,033.74	56.38
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	
23 37 13 13-0135	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,208.20	60.83
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0136	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,276.21	60.83
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0137 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0090)*

23 37 13 13-0138	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.33	14.51
23 37 13 13-0139	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.33	14.51
23 37 13 13-0140	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.90	14.51
23 37 13 13-0141	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.13	14.51
23 37 13 13-0142	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	73.90	14.51
23 37 13 13-0143	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.13	14.51
23 37 13 13-0144	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.04	19.02
23 37 13 13-0145	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.27	19.02
23 37 13 13-0146	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.81	19.02
23 37 13 13-0147	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.27	19.02
23 37 13 13-0148	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	96.50	19.02
23 37 13 13-0149	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.73	19.02
23 37 13 13-0150	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.39	19.02
23 37 13 13-0151	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	99.85	19.02
23 37 13 13-0152	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.08	19.02
23 37 13 13-0153	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	112.11	19.02
23 37 13 13-0154	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	99.85	19.02
23 37 13 13-0155	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.65	19.02
23 37 13 13-0156	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	112.11	19.02
23 37 13 13-0157	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	145.05	28.06
23 37 13 13-0158	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	147.28	28.06
23 37 13 13-0159	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	142.82	28.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0160	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	174.35	32.57
23 37 13 13-0161	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	140.59	28.06
23 37 13 13-0162	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	185.50	32.57
23 37 13 13-0163	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	97.62	19.02
23 37 13 13-0164	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	142.82	28.06
23 37 13 13-0165	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	208.10	37.09
23 37 13 13-0166	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	140.59	28.06
23 37 13 13-0167	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	145.05	28.06
23 37 13 13-0168	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	167.66	32.57
		For Lay-In Installation, Deduct	*-68.80*	
23 37 13 13-0169	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	174.35	32.57
23 37 13 13-0170	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	194.72	37.09
23 37 13 13-0171	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	201.41	37.09
23 37 13 13-0172	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	209.22	37.09
23 37 13 13-0173	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	223.71	37.09
		For Lay-In Installation, Deduct	*-78.77*	
23 37 13 13-0174	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	171.01	32.57
23 37 13 13-0175	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	273.68	40.65
23 37 13 13-0176	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	462.71	49.68
		For Lay-In Installation, Deduct	*-113.37*	

23 37 13 13-0177 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0178 Adjustable Curved Blade Register *(23 37 13 13-0177)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0179	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	116.74	11.87
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0180	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	120.90	11.87
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	
23 37 13 13-0181	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	133.03	16.32
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0182	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	148.30	14.83
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0183	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	178.35	19.29
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0184	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	219.77	22.26
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0185	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	219.77	22.26
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0186	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	271.05	29.67
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0187	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	355.94	31.16
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	
23 37 13 13-0188	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	576.18	62.91
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	

23 37 13 13-0189 Removable-Reversible Core Registers *(23 37 13 13-0177)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0190	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	134.78	11.87
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0191	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	170.87	11.87
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0192	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	217.69	16.32
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0193	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	220.46	16.32
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0194	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	281.05	19.29
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0195	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	400.19	23.74
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0196	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	450.15	22.26
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0197	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	543.07	29.67
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0198	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	684.86	29.67
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	

23 37 13 13-0199 Adjustable Shutter Blade Registers *(23 37 13 13-0177)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0200	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	207.88	11.87
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0201	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	240.26	11.87
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0202	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	256.55	16.32
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0203	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	265.80	14.83
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0204	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	325.46	19.29
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	
23 37 13 13-0205	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	434.43	22.26
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0206	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	513.07	23.74
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	
23 37 13 13-0207	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	633.74	29.67
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0208	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	875.46	31.16
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	

23 37 13 13-0209 Air Conditioning And Ventilation *(23 37 13 13-0177)*

23 37 13 13-0210	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	131.80	31.16
		For Stainless Steel, Add	*156.49*	
23 37 13 13-0211	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	231.82	46.37
		For Stainless Steel, Add	*312.95*	
23 37 13 13-0212	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	361.64	64.91
		For Stainless Steel, Add	*521.60*	
23 37 13 13-0213	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	943.05	89.02
		For Stainless Steel, Add	*1,721.27*	

23 37 13 13-0214 Square Wall Return Air And Exhaust Grilles *(23 37 13 13-0177)*

Note: Egg crate design aluminum construction.

23 37 13 13-0215	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	116.08	37.15
23 37 13 13-0216	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	128.94	37.15
23 37 13 13-0217	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	191.81	55.72
23 37 13 13-0218	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	256.11	55.72
23 37 13 13-0219	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	437.94	74.28
23 37 13 13-0220	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	826.44	74.18

23 37 13 13-0221 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 13-0177)*

Note: Aluminum construction.

23 37 13 13-0222	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	298.94	26.74
23 37 13 13-0223	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	340.57	26.74
23 37 13 13-0224	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	410.31	29.72
23 37 13 13-0225	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	484.29	29.72
23 37 13 13-0226	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	623.53	92.86

23 37 13 13-0227 Square Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0177)*

Note: Egg crate design, plastic construction.

23 37 13 13-0228	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	58.31	17.79
23 37 13 13-0229	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	83.76	17.93

23 37 13 13-0230 Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 13-0177)*

Note: Painted steel louvers and frame.

23 37 13 13-0231	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	167.61	26.74
23 37 13 13-0232	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	211.04	26.74
23 37 13 13-0233	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	261.93	28.23
23 37 13 13-0234	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	359.08	33.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0235	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	399.00	61.96
23 37 13 13-0236		**Stainless Steel Devices** *(23 37 13 13-0177)*		
23 37 13 13-0237		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0238	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	247.31	23.18
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0239	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	209.23	23.18
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0240		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0241	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	188.13	23.18
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0242	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	160.44	23.18
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0243		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0244	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	273.78	23.18
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0245	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	233.81	23.18
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0246		**304 Stainless Steel Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0247	SF	Up To 4 SF, 304 Stainless Steel Return Grille	188.13	23.18
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0248	SF	>4 SF, 304 Stainless Steel Return Grille	160.44	23.18
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0249		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0250	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	188.13	23.18
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0251	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	160.44	23.18
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0252		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0253	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	188.13	23.18
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0254	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	152.83	23.18
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0255		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0256	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	227.06	23.18
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0257	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	156.88	23.18
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0258		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0259	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	337.63	23.18
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0260	SF	>4 SF, 304 Stainless Steel, Door Grille	282.27	23.18
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0261		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0262	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	430.55	23.18
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0263	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	369.12	23.18
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0264		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0265	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	317.39	23.18
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0266	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	220.50	23.18
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0267		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0268	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	172.56	23.18
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0269	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	132.25	23.18
		For 316 Stainless Steel, Add	*18.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0270		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0236)*		
		Note: For frequent replacement.		
23 37 13 13-0271	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	135.18	23.18
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0272	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	73.41	23.18
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0273		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0236)*		
23 37 13 13-0274	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	312.72	23.18
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0275	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	245.41	23.18
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0276		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0277	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	111.82	23.18
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0278	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	111.82	23.18
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0279		**Supply Grille With Rotating Aluminum Drum And Aluminun Frame** *(23 37 13 13-0177)*		
		Note: Titus DL or equal		
23 37 13 13-0280	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	103.01	22.99
		For Adjustable Deflection Blades, Add	*3.71*	
		For Split Vane Supply Grille, Add	*5.56*	
		For Curved Frame For Round Duct Mounting, Add	*8.84*	
		For Stainless Steel, Add	*42.79*	
23 37 13 13-0281	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	122.96	27.15
		For Adjustable Deflection Blades, Add	*4.46*	
		For Split Vane Supply Grille, Add	*6.69*	
		For Curved Frame For Round Duct Mounting, Add	*10.64*	
		For Stainless Steel, Add	*51.50*	
23 37 13 13-0282	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	140.90	29.08
		For Adjustable Deflection Blades, Add	*5.37*	
		For Split Vane Supply Grille, Add	*8.06*	
		For Curved Frame For Round Duct Mounting, Add	*12.81*	
		For Stainless Steel, Add	*61.97*	
23 37 13 13-0283	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	155.29	31.16
		For Adjustable Deflection Blades, Add	*6.05*	
		For Split Vane Supply Grille, Add	*9.07*	
		For Curved Frame For Round Duct Mounting, Add	*14.42*	
		For Stainless Steel, Add	*69.79*	
23 37 13 13-0284	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	166.33	34.42
		For Adjustable Deflection Blades, Add	*6.33*	
		For Split Vane Supply Grille, Add	*9.49*	
		For Curved Frame For Round Duct Mounting, Add	*15.09*	
		For Stainless Steel, Add	*73.04*	
23 37 13 13-0285	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	191.61	37.84
		For Adjustable Deflection Blades, Add	*7.54*	
		For Split Vane Supply Grille, Add	*11.31*	
		For Curved Frame For Round Duct Mounting, Add	*17.98*	
		For Stainless Steel, Add	*86.98*	
23 37 13 13-0286	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	226.70	41.94
		For Adjustable Deflection Blades, Add	*9.28*	
		For Split Vane Supply Grille, Add	*13.92*	
		For Curved Frame For Round Duct Mounting, Add	*22.14*	
		For Stainless Steel, Add	*107.12*	
23 37 13 13-0287	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	267.98	46.15
		For Adjustable Deflection Blades, Add	*11.43*	
		For Split Vane Supply Grille, Add	*17.15*	
		For Curved Frame For Round Duct Mounting, Add	*27.26*	
		For Stainless Steel, Add	*131.92*	
23 37 13 13-0288	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	310.31	51.92
		For Adjustable Deflection Blades, Add	*13.42*	
		For Split Vane Supply Grille, Add	*20.13*	
		For Curved Frame For Round Duct Mounting, Add	*32.00*	
		For Stainless Steel, Add	*154.85*	
23 37 13 13-0289	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	341.54	57.86
		For Adjustable Deflection Blades, Add	*14.69*	
		For Split Vane Supply Grille, Add	*22.03*	
		For Curved Frame For Round Duct Mounting, Add	*35.02*	
		For Stainless Steel, Add	*169.46*	
23 37 13 13-0290	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	131.12	30.12
		For Adjustable Deflection Blades, Add	*4.61*	
		For Split Vane Supply Grille, Add	*6.92*	
		For Curved Frame For Round Duct Mounting, Add	*10.99*	
		For Stainless Steel, Add	*53.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0291	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	149.94	32.34
		For Adjustable Deflection Blades, Add	*5.55*	
		For Split Vane Supply Grille, Add	*8.32*	
		For Curved Frame For Round Duct Mounting, Add	*13.23*	
		For Stainless Steel, Add	*64.02*	
23 37 13 13-0292	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	165.12	34.57
		For Adjustable Deflection Blades, Add	*6.25*	
		For Split Vane Supply Grille, Add	*9.37*	
		For Curved Frame For Round Duct Mounting, Add	*14.90*	
		For Stainless Steel, Add	*72.10*	
23 37 13 13-0293	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	177.01	38.28
		For Adjustable Deflection Blades, Add	*6.54*	
		For Split Vane Supply Grille, Add	*9.81*	
		For Curved Frame For Round Duct Mounting, Add	*15.59*	
		For Stainless Steel, Add	*75.45*	
23 37 13 13-0294	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	209.83	41.69
		For Adjustable Deflection Blades, Add	*8.23*	
		For Split Vane Supply Grille, Add	*12.34*	
		For Curved Frame For Round Duct Mounting, Add	*19.62*	
		For Stainless Steel, Add	*94.94*	
23 37 13 13-0295	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	247.50	46.44
		For Adjustable Deflection Blades, Add	*10.04*	
		For Split Vane Supply Grille, Add	*15.07*	
		For Curved Frame For Round Duct Mounting, Add	*23.95*	
		For Stainless Steel, Add	*115.89*	
23 37 13 13-0296	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	299.32	51.04
		For Adjustable Deflection Blades, Add	*12.82*	
		For Split Vane Supply Grille, Add	*19.23*	
		For Curved Frame For Round Duct Mounting, Add	*30.58*	
		For Stainless Steel, Add	*147.95*	
23 37 13 13-0297	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	355.08	57.56
		For Stainless Steel, Add	*540.00*	
		For Adjustable Deflection Blades, Add	*15.60*	
		For Split Vane Supply Grille, Add	*23.40*	
		For Curved Frame For Round Duct Mounting, Add	*37.20*	
		For Stainless Steel, Add	*180.00*	
23 37 13 13-0298	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	381.51	64.10
		For Adjustable Deflection Blades, Add	*16.47*	
		For Split Vane Supply Grille, Add	*24.71*	
		For Curved Frame For Round Duct Mounting, Add	*39.28*	
		For Stainless Steel, Add	*190.05*	
23 37 13 13-0299	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	142.20	33.38
		For Adjustable Deflection Blades, Add	*4.91*	
		For Split Vane Supply Grille, Add	*7.36*	
		For Curved Frame For Round Duct Mounting, Add	*11.70*	
		For Stainless Steel, Add	*56.62*	
23 37 13 13-0300	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	162.44	35.76
		For Adjustable Deflection Blades, Add	*5.91*	
		For Split Vane Supply Grille, Add	*8.86*	
		For Curved Frame For Round Duct Mounting, Add	*14.08*	
		For Stainless Steel, Add	*68.14*	
23 37 13 13-0301	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	178.78	38.28
		For Adjustable Deflection Blades, Add	*6.65*	
		For Split Vane Supply Grille, Add	*9.98*	
		For Curved Frame For Round Duct Mounting, Add	*15.86*	
		For Stainless Steel, Add	*76.73*	
23 37 13 13-0302	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	191.76	42.28
		For Adjustable Deflection Blades, Add	*6.96*	
		For Split Vane Supply Grille, Add	*10.44*	
		For Curved Frame For Round Duct Mounting, Add	*16.60*	
		For Stainless Steel, Add	*80.30*	
23 37 13 13-0303	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	226.69	46.00
		For Adjustable Deflection Blades, Add	*8.76*	
		For Split Vane Supply Grille, Add	*13.14*	
		For Curved Frame For Round Duct Mounting, Add	*20.88*	
		For Stainless Steel, Add	*101.05*	
23 37 13 13-0304	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	267.66	51.63
		For Adjustable Deflection Blades, Add	*10.69*	
		For Split Vane Supply Grille, Add	*16.03*	
		For Curved Frame For Round Duct Mounting, Add	*25.49*	
		For Stainless Steel, Add	*123.35*	
23 37 13 13-0305	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	321.38	56.67
		For Adjustable Deflection Blades, Add	*13.53*	
		For Split Vane Supply Grille, Add	*20.29*	
		For Curved Frame For Round Duct Mounting, Add	*32.25*	
		For Stainless Steel, Add	*156.07*	
23 37 13 13-0306	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	368.26	63.95
		For Adjustable Deflection Blades, Add	*15.63*	
		For Split Vane Supply Grille, Add	*23.45*	
		For Curved Frame For Round Duct Mounting, Add	*37.28*	
		For Stainless Steel, Add	*180.39*	
23 37 13 13-0307	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	409.31	71.07
		For Adjustable Deflection Blades, Add	*17.38*	
		For Split Vane Supply Grille, Add	*26.06*	
		For Curved Frame For Round Duct Mounting, Add	*41.43*	
		For Stainless Steel, Add	*200.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0308	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	158.73	36.05
		For Adjustable Deflection Blades, Add	*5.62*	
		For Split Vane Supply Grille, Add	*8.43*	
		For Curved Frame For Round Duct Mounting, Add	*13.41*	
		For Stainless Steel, Add	*64.88*	
23 37 13 13-0309	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	181.61	38.72
		For Adjustable Deflection Blades, Add	*6.77*	
		For Split Vane Supply Grille, Add	*10.15*	
		For Curved Frame For Round Duct Mounting, Add	*16.13*	
		For Stainless Steel, Add	*78.07*	
23 37 13 13-0310	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	200.04	41.40
		For Adjustable Deflection Blades, Add	*7.62*	
		For Split Vane Supply Grille, Add	*11.43*	
		For Curved Frame For Round Duct Mounting, Add	*18.17*	
		For Stainless Steel, Add	*87.93*	
23 37 13 13-0311	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	214.40	45.84
		For Adjustable Deflection Blades, Add	*7.97*	
		For Split Vane Supply Grille, Add	*11.96*	
		For Curved Frame For Round Duct Mounting, Add	*19.02*	
		For Stainless Steel, Add	*92.01*	
23 37 13 13-0312	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	257.45	51.48
		For Adjustable Deflection Blades, Add	*10.03*	
		For Split Vane Supply Grille, Add	*15.05*	
		For Curved Frame For Round Duct Mounting, Add	*23.93*	
		For Stainless Steel, Add	*115.79*	
23 37 13 13-0313	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	298.47	57.27
		For Adjustable Deflection Blades, Add	*11.96*	
		For Split Vane Supply Grille, Add	*17.95*	
		For Curved Frame For Round Duct Mounting, Add	*28.53*	
		For Stainless Steel, Add	*138.05*	
23 37 13 13-0314	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	348.31	63.20
		For Adjustable Deflection Blades, Add	*14.42*	
		For Split Vane Supply Grille, Add	*21.63*	
		For Curved Frame For Round Duct Mounting, Add	*34.38*	
		For Stainless Steel, Add	*166.35*	
23 37 13 13-0315	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	394.93	69.29
		For Adjustable Deflection Blades, Add	*16.66*	
		For Split Vane Supply Grille, Add	*24.99*	
		For Curved Frame For Round Duct Mounting, Add	*39.73*	
		For Stainless Steel, Add	*192.25*	
23 37 13 13-0316	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	438.66	76.85
		For Adjustable Deflection Blades, Add	*18.52*	
		For Split Vane Supply Grille, Add	*27.78*	
		For Curved Frame For Round Duct Mounting, Add	*44.16*	
		For Stainless Steel, Add	*213.67*	
23 37 13 13-0317	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	500.08	87.68
		For Adjustable Deflection Blades, Add	*21.11*	
		For Split Vane Supply Grille, Add	*31.67*	
		For Curved Frame For Round Duct Mounting, Add	*50.34*	
		For Stainless Steel, Add	*243.59*	
23 37 13 13-0318	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	206.11	43.62
		For Adjustable Deflection Blades, Add	*7.73*	
		For Split Vane Supply Grille, Add	*11.60*	
		For Curved Frame For Round Duct Mounting, Add	*18.44*	
		For Stainless Steel, Add	*89.24*	
23 37 13 13-0319	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	227.06	46.59
		For Adjustable Deflection Blades, Add	*8.71*	
		For Split Vane Supply Grille, Add	*13.07*	
		For Curved Frame For Round Duct Mounting, Add	*20.77*	
		For Stainless Steel, Add	*100.50*	
23 37 13 13-0320	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	243.30	51.48
		For Adjustable Deflection Blades, Add	*9.11*	
		For Split Vane Supply Grille, Add	*13.67*	
		For Curved Frame For Round Duct Mounting, Add	*21.74*	
		For Stainless Steel, Add	*105.17*	
23 37 13 13-0321	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	290.67	57.12
		For Adjustable Deflection Blades, Add	*11.47*	
		For Split Vane Supply Grille, Add	*17.20*	
		For Curved Frame For Round Duct Mounting, Add	*27.35*	
		For Stainless Steel, Add	*132.35*	
23 37 13 13-0322	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	336.23	62.91
		For Adjustable Deflection Blades, Add	*13.68*	
		For Split Vane Supply Grille, Add	*20.51*	
		For Curved Frame For Round Duct Mounting, Add	*32.61*	
		For Stainless Steel, Add	*157.79*	
23 37 13 13-0323	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	392.61	69.58
		For Adjustable Deflection Blades, Add	*16.48*	
		For Split Vane Supply Grille, Add	*24.72*	
		For Curved Frame For Round Duct Mounting, Add	*39.30*	
		For Stainless Steel, Add	*190.14*	
23 37 13 13-0324	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	445.31	76.11
		For Adjustable Deflection Blades, Add	*19.04*	
		For Split Vane Supply Grille, Add	*28.57*	
		For Curved Frame For Round Duct Mounting, Add	*45.41*	
		For Stainless Steel, Add	*219.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0325	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	494.65	84.57
		For Adjustable Deflection Blades, Add	*21.17*	
		For Split Vane Supply Grille, Add	*31.75*	
		For Curved Frame For Round Duct Mounting, Add	*50.47*	
		For Stainless Steel, Add	*244.23*	
23 37 13 13-0326	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	563.88	96.29
		For Adjustable Deflection Blades, Add	*24.13*	
		For Split Vane Supply Grille, Add	*36.19*	
		For Curved Frame For Round Duct Mounting, Add	*57.54*	
		For Stainless Steel, Add	*278.42*	

23 37 13 13-0327 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

Note: Includes storage and cleaning. Excludes ductwork.

23 37 13 13-0328	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	278.18	
23 37 13 13-0329	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	306.82	
23 37 13 13-0330	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	45.99	
23 37 13 13-0331	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	62.28	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Supply Or Return Grille *(23 37 13 43)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 43-0002	EA	8" x 4" Steel Security Grille	290.51	22.29
		For Anchoring Tabs, Add	*24.59*	
		For Rear Operated Opposed Blade Damper, Add	*90.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*61.48*	
		For Stainless Steel, Add	*307.41*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	321.80	23.03
		For Anchoring Tabs, Add	*27.57*	
		For Rear Operated Opposed Blade Damper, Add	*101.12*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.94*	
		For Stainless Steel, Add	*344.68*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	368.74	26.00
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*116.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	322.53	25.26
		For Anchoring Tabs, Add	*27.20*	
		For Rear Operated Opposed Blade Damper, Add	*100.26*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.01*	
		For Stainless Steel, Add	*340.03*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	344.14	26.74
		For Anchoring Tabs, Add	*29.07*	
		For Rear Operated Opposed Blade Damper, Add	*107.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*72.66*	
		For Stainless Steel, Add	*363.31*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	393.30	28.97
		For Anchoring Tabs, Add	*33.54*	
		For Rear Operated Opposed Blade Damper, Add	*123.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*83.84*	
		For Stainless Steel, Add	*419.20*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	438.75	31.20
		For Anchoring Tabs, Add	*37.64*	
		For Rear Operated Opposed Blade Damper, Add	*137.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*94.09*	
		For Stainless Steel, Add	*470.44*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	339.65	28.23
		For Anchoring Tabs, Add	*28.32*	
		For Rear Operated Opposed Blade Damper, Add	*104.76*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*70.80*	
		For Stainless Steel, Add	*353.99*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	379.13	31.20
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*117.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	432.02	33.43
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*134.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	470.02	35.66
		For Anchoring Tabs, Add	*39.87*	
		For Rear Operated Opposed Blade Damper, Add	*146.68*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*99.68*	
		For Stainless Steel, Add	*498.39*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	519.19	37.88
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*162.77*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	362.75	30.45
		For Anchoring Tabs, Add	*30.18*	
		For Rear Operated Opposed Blade Damper, Add	*111.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*75.46*	
		For Stainless Steel, Add	*377.29*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	408.18	32.69
		For Anchoring Tabs, Add	*34.28*	
		For Rear Operated Opposed Blade Damper, Add	*126.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*85.70*	
		For Stainless Steel, Add	*428.51*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	455.11	35.66
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*141.46*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	513.23	38.63
		For Anchoring Tabs, Add	*43.60*	
		For Rear Operated Opposed Blade Damper, Add	*160.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*108.99*	
		For Stainless Steel, Add	*544.96*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	565.38	42.35
		For Anchoring Tabs, Add	*48.07*	
		For Rear Operated Opposed Blade Damper, Add	*176.71*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*120.17*	
		For Stainless Steel, Add	*600.86*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	608.57	45.31
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*190.34*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	436.48	35.66
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*134.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	498.33	38.63
		For Anchoring Tabs, Add	*42.11*	
		For Rear Operated Opposed Blade Damper, Add	*155.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*105.27*	
		For Stainless Steel, Add	*526.34*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	537.80	41.60
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*167.43*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	605.60	43.83
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*190.05*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	641.36	46.80
		For Anchoring Tabs, Add	*54.78*	
		For Rear Operated Opposed Blade Damper, Add	*201.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*136.94*	
		For Stainless Steel, Add	*684.70*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	695.74	49.78
		For Anchoring Tabs, Add	*59.62*	
		For Rear Operated Opposed Blade Damper, Add	*218.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*149.05*	
		For Stainless Steel, Add	*745.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	464.02	40.12
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*142.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	529.59	43.08
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*163.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	580.26	46.06
		For Anchoring Tabs, Add	*48.81*	
		For Rear Operated Opposed Blade Damper, Add	*180.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*122.04*	
		For Stainless Steel, Add	*610.18*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	638.36	49.03
		For Anchoring Tabs, Add	*54.03*	
		For Rear Operated Opposed Blade Damper, Add	*198.91*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*135.08*	
		For Stainless Steel, Add	*675.39*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	681.59	48.29
		For Anchoring Tabs, Add	*58.50*	
		For Rear Operated Opposed Blade Damper, Add	*214.41*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*146.26*	
		For Stainless Steel, Add	*731.28*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	745.67	50.51
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*235.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	798.56	52.74
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*253.13*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	497.55	43.83
		For Anchoring Tabs, Add	*40.99*	
		For Rear Operated Opposed Blade Damper, Add	*152.23*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*102.47*	
		For Stainless Steel, Add	*512.36*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	562.35	48.29
		For Anchoring Tabs, Add	*46.58*	
		For Rear Operated Opposed Blade Damper, Add	*172.68*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*116.45*	
		For Stainless Steel, Add	*582.23*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	618.98	50.51
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*191.39*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	680.81	53.49
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*211.54*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	748.61	55.72
		For Anchoring Tabs, Add	*63.72*	
		For Rear Operated Opposed Blade Damper, Add	*234.16*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*159.30*	
		For Stainless Steel, Add	*796.49*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	808.96	57.94
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*254.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	865.59	60.17
		For Anchoring Tabs, Add	*74.53*	
		For Rear Operated Opposed Blade Damper, Add	*272.87*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*186.31*	
		For Stainless Steel, Add	*931.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	933.39	62.40
		For Anchoring Tabs, Add	*80.86*	
		For Rear Operated Opposed Blade Damper, Add	*295.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*202.15*	
		For Stainless Steel, Add	*1,010.74*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	552.65	49.03
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*168.92*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	624.92	53.49
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*191.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	683.77	54.97
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*211.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	766.45	60.92
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*237.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	826.80	63.14
		For Anchoring Tabs, Add	*70.05*	
		For Rear Operated Opposed Blade Damper, Add	*257.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*175.13*	
		For Stainless Steel, Add	*875.66*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	902.06	65.37
		For Anchoring Tabs, Add	*77.13*	
		For Rear Operated Opposed Blade Damper, Add	*283.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*192.83*	
		For Stainless Steel, Add	*964.16*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	988.49	67.60
		For Anchoring Tabs, Add	*85.33*	
		For Rear Operated Opposed Blade Damper, Add	*312.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*213.33*	
		For Stainless Steel, Add	*1,066.64*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	1,048.83	69.83
		For Anchoring Tabs, Add	*90.92*	
		For Rear Operated Opposed Blade Damper, Add	*332.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*227.30*	
		For Stainless Steel, Add	*1,136.50*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,176.98	74.28
		For Anchoring Tabs, Add	*102.84*	
		For Rear Operated Opposed Blade Damper, Add	*374.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*257.11*	
		For Stainless Steel, Add	*1,285.55*	

23 37 13 43-0050 Security Registers And Grilles *(23 37 13 43)*

23 37 13 43-0051 Maximum Security Steel Supply / Return Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0052	EA	6" x 6" Maximum Security Supply/ Return Register	275.16	16.62
23 37 13 43-0053	EA	9" x 9" Maximum Security Supply/ Return Register	398.88	19.77
23 37 13 43-0054	EA	12" x 6" Maximum Security Supply/ Return Register	371.24	20.75
23 37 13 43-0055	EA	12" x 8" Maximum Security Supply/ Return Register	429.31	23.96
23 37 13 43-0056	EA	10" x 10" Maximum Security Supply/ Return Register	403.03	20.75
23 37 13 43-0057	EA	14" x 12" Maximum Security Supply/ Return Register	559.26	29.19
23 37 13 43-0058	EA	14" x 14" Maximum Security Supply/ Return Register	633.21	31.44
23 37 13 43-0059	EA	18" x 18" Maximum Security Supply/ Return Register	848.86	37.37
23 37 13 43-0060	EA	24" x 24" Maximum Security Supply/ Return Registers	1,220.02	47.77

23 37 13 43-0061 Staff Security Steel Supply Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0062	EA	6" x 6" Staff Security Supply Register	205.22	16.62
23 37 13 43-0063	EA	9" x 9" Staff Security Supply Register	265.37	19.77
23 37 13 43-0064	EA	12" x 12" Staff Security Supply Register	334.81	26.98
23 37 13 43-0065	EA	15" x 15" Staff Security Supply Register	478.44	31.14
23 37 13 43-0066	EA	21" x 21" Staff Security Supply Register	683.33	41.54
23 37 13 43-0067	EA	24" x 24" Staff Security Supply Register	822.68	47.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0068		**Staff Security Steel Return Registers** *(23 37 13 43-0050)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0069	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	263.42	17.97
23 37 13 43-0070	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	237.01	16.62
23 37 13 43-0071	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	287.75	18.72
23 37 13 43-0072	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	292.88	20.21
23 37 13 43-0073	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	365.74	23.96
23 37 13 43-0074	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	384.81	23.96
23 37 13 43-0075	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	429.19	24.86
23 37 13 43-0076	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	430.17	26.98
23 37 13 43-0077	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	563.41	30.24
23 37 13 43-0078	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	479.79	29.19
23 37 13 43-0079	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	601.42	31.14
23 37 13 43-0080	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	553.74	30.85
23 37 13 43-0081		**Maximum Security Steel Grills** *(23 37 13 43-0050)* Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0082	EA	10" x 4" Maximum Security Grill	225.28	17.97
23 37 13 43-0083	EA	6" x 6" Maximum Security Grill	205.22	16.62
23 37 13 43-0084	EA	10" x 6" Maximum Security Grill	243.25	18.72
23 37 13 43-0085	EA	12" x 5" Maximum Security Grill	251.56	20.21
23 37 13 43-0086	EA	12" x 8" Maximum Security Grill	298.99	23.96
23 37 13 43-0087	EA	16" x 8" Maximum Security Grill	346.54	24.86
23 37 13 43-0088	EA	12" x 12" Maximum Security Grill	347.52	26.98
23 37 13 43-0089	EA	14" x 12" Maximum Security Grill	378.07	29.19
23 37 13 43-0090	EA	30" x 6" Maximum Security Grill	468.05	30.24
23 37 13 43-0091	EA	28" x 8" Maximum Security Grill	493.35	31.14
23 37 13 43-0092	EA	18" x 12" Maximum Security Grill	448.85	30.85
23 37 23		**HVAC Gravity Ventilators** *(23 37)*		
23 37 23 13		**HVAC Gravity Dome Ventilators** *(23 37 23)*		
23 37 23 13-0001		**Rectangular Gravity Intake/Relief Ventilator Hood** *(23 37 23 13)* Note: Includes flange base and bird screen. Excludes curb.		
23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,457.19	86.05
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,537.44	98.52
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,922.51	122.55
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,047.83	130.41
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,391.18	151.78
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,719.42	97.92
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,889.91	110.38
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,198.24	118.69
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,385.19	143.85
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,751.40	154.30
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,117.31	163.79
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,056.90	111.72
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,343.95	127.30
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,631.01	142.88
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,965.78	161.13
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,348.56	181.89
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,487.37	135.16
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,583.08	140.36
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,870.12	155.94
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,252.74	176.70
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,635.38	197.47
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,161.60	226.10
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,472.91	133.24
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,877.50	155.04
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,282.25	176.85
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,731.83	201.03
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,136.46	222.85
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,594.38	147.77
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,934.55	167.21
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,274.87	186.49
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,785.25	215.58
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,167.98	237.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,267.81	198.66
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,626.41	220.47
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,144.54	251.92
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,543.02	276.11
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,981.39	302.82
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,934.27	226.10
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,334.99	249.11
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,772.24	274.18
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,209.36	299.40
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,338.59	364.24
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,775.84	389.31
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,533.20	280.56
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,972.90	307.71
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,953.97	368.40
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,630.50	410.23
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,036.56	435.45
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,577.78	468.84
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,525.05	527.44
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,412.53	314.09
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,719.99	389.91
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,662.67	444.65
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,936.25	460.53
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,848.49	513.34
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,730.28	564.53
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,138.67	453.41
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,722.10	490.50
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,305.38	527.59
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,222.00	585.75
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,770.04	593.46
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,289.47	511.12
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,298.35	573.28
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,089.20	622.09
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,743.50	662.45
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,332.41	636.34
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,848.59	678.32
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,628.92	730.40
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,834.84	733.82
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,670.07	858.15
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	13,080.82	791.23

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001 Universal Ventless Hood *(23 38 13 13)*

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	55,851.75	574.14

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	13,339.26	1,077.18
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,896.87	1,144.50
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	15,497.44	1,211.82
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,968.37	1,279.15
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	16,541.26	1,346.48
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,146.60	1,413.79
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,720.31	1,481.12
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,311.51	1,548.44
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,969.08	1,615.76
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,539.40	1,683.09
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	20,011.63	1,750.41
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,806.32	1,817.74
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	23,277.70	1,885.06
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,905.48	1,952.38
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	24,757.70	2,019.71
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	25,399.52	2,087.03
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	26,358.45	2,154.35

23 38 13 16-0020 Dry Extractor Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,662.95	1,077.18
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	19,254.25	1,144.50
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,955.90	1,211.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,561.61	1,279.15
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	22,168.20	1,346.48
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,739.84	1,413.79
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	23,347.24	1,481.12
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,921.60	1,548.44
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	24,461.24	1,615.76
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,233.72	1,683.09
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	26,127.13	1,750.41
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	27,073.44	1,817.74
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	29,056.26	1,885.06
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	30,020.98	1,952.38
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	31,900.87	2,019.71
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	33,806.23	2,087.03
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	35,691.75	2,154.35
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)*		
		Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,010.72	1,077.18
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,635.71	1,144.50
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,371.06	1,211.82
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,993.61	1,279.15
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,650.74	1,346.48
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,256.08	1,413.79
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,880.33	1,481.12
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,505.23	1,548.44
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,061.71	1,615.76
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,901.58	1,683.09
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,862.38	1,750.41
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,876.08	1,817.74
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,926.29	1,885.06
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,958.40	1,952.38
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,023.61	2,019.71
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	35,052.91	2,087.03
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	36,079.23	2,154.35
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	14,348.25	538.59
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)*		
		Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	57,199.40	547.74
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	58,890.28	561.07
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	60,562.80	574.14
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	62,245.97	592.45
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	63,921.54	606.99
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	65,580.68	622.34
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	67,266.28	632.98
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	68,946.03	649.67
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	70,639.71	673.23
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	72,350.24	705.28
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	74,038.17	726.02
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	75,743.87	755.63
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	77,438.03	779.47
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	79,135.30	804.92
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	80,836.00	832.12
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	82,540.48	861.07
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	84,227.91	881.67
23 38 13 16-0075		**Stainless Steel Exhaust Hood Material** *(23 38 13 16)*		
		Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	55.96	18.81
		For Type 316 Stainless Steel, Add	*1.70*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	69.96	25.08
		For Type 316 Stainless Steel, Add	*2.12*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	97.16	33.86
		For Type 316 Stainless Steel, Add	*2.96*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	121.71	41.38
		For Type 316 Stainless Steel, Add	*3.81*	
23 38 13 16-0080		**Kitchen Exhaust Hood** *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) Note: Ductwork connections by others.	12,097.28	2,737.03
		For Type 316 Stainless Steel, Add	*662.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) Note: Ductwork connections by others.	11,002.46	2,189.63
		For Type 316 Stainless Steel, Add	*662.32*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) Note: Ductwork connections by others.	5,963.58	1,094.82
		For Type 316 Stainless Steel, Add	*377.40*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	7,705.17	1,642.22
		For Type 316 Stainless Steel, Add	*442.07*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	6,930.51	1,368.52
		For Type 316 Stainless Steel, Add	*419.35*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	15.27	

23 41 13 00-0003 Disposable Fiberglass Air Filters *(23 41 13)*

23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.35	7.13
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.35	7.13
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.05	7.13
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.02	7.47
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.02	7.47
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.02	7.47
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.02	7.47
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.26	7.47
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.84	7.80
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.82	7.80
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.14	7.80
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.14	7.80
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.14	7.80
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.79	7.80
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.83	7.80
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.04	8.25
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.58	8.25
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.06	8.25
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.04	8.25
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.06	8.25
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.96	8.25
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.27	8.47
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.27	8.47
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.71	8.47
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.45	8.58
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.10	8.58
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.50	8.58
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.48	8.58
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.87	8.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.87	8.58
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.56	8.58
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.26	8.58
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.93	8.91
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.55	8.91
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.93	8.91
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.21	8.91
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.08	8.91
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.23	8.91
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.87	9.36
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.89	9.36
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.26	9.36
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.46	9.36
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.06	9.36
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	25.60	9.36
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.21	9.36
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.25	9.48
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.42	9.59
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.56	9.70
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.21	9.70
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	27.84	9.70
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.71	9.81
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	28.38	9.81
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.03	7.47
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.93	7.47
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.42	7.80
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.02	8.25
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.02	8.25
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.42	8.47
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.33	8.58
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.16	8.58
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.57	8.58
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.73	8.91
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.43	9.36
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.15	9.36
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.15	9.36
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.88	9.70
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.03	9.81
23 41 13 00-0071		**Disposable Pleated Air Filters** *(23 41 13)*		
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.14	7.47
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.43	7.47
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.19	7.47
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	20.51	7.80
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.15	7.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	18.94	7.80
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.94	7.80
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.63	7.80
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	23.13	8.25
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.75	8.25
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.86	8.25
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.37	8.25
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.69	8.25
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.17	8.47
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	23.57	8.58
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.91	8.58
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.99	8.58
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.60	8.58
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.13	8.58
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	31.12	8.91
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	23.40	8.91
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.02	8.91
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.75	8.91
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	31.30	8.91
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	21.76	9.36
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.15	9.36
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.91	9.36
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.71	9.36
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	30.98	9.59
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.61	9.70
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	37.85	9.70
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	25.98	9.81
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.85	7.47
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	24.30	7.80
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.75	7.80
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	19.46	7.80
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.59	8.25
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.43	8.25
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.88	8.47
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	25.93	8.58
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.50	8.58
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.20	8.58
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.59	8.58
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	29.79	8.91
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	25.62	8.91
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.40	8.91
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.25	8.91
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	22.84	9.36
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.38	9.36
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.12	9.36
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	34.17	9.36
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	25.80	9.70
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	28.37	9.81
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	29.20	7.80
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	31.59	8.58
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	33.68	8.58
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.28	8.91
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	34.61	9.36
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	37.53	9.36
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	37.80	9.36
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	41.18	9.70
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.63	7.47
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.63	7.47
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	34.19	7.47
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	28.20	7.80
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.52	7.80
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	27.41	7.80
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.68	7.80
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	31.95	8.25
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	28.29	8.25
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	36.17	8.25
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	35.40	8.25
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	41.34	8.25
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.24	8.47
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	38.06	8.58
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.55	8.58
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.56	8.58
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	30.03	8.58
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.24	8.58
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	40.17	8.91
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	34.30	8.91
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.06	8.91
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.01	8.91
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	45.22	8.91
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	31.26	9.36
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.16	9.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.47	9.36
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.87	9.36
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	44.01	9.59
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	37.32	9.70
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	47.91	9.70
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	41.83	9.81
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.08	7.47
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	28.50	7.80
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.15	7.80
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.67	7.80
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.60	8.25
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	29.90	8.25
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	29.37	8.47
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	38.83	8.58
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.99	8.58
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	33.17	8.58
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	37.37	8.58
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	44.58	8.91
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	35.67	8.91
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.49	8.91
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.29	8.91
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	39.03	9.36
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.72	9.36
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	42.12	9.36
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	42.16	9.70
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	42.71	9.81
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	50.64	7.80
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	51.98	8.58
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	61.61	8.58
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	61.59	8.91
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	61.43	9.36
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	67.48	9.36
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	67.48	9.36
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	75.17	9.70
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.55	7.13
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.55	7.13
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.55	7.13
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	7.47
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.58	7.47
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	7.47
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	7.47
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	7.47
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.02	7.80
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.44	7.80
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.02	7.80
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.02	7.80
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.44	7.80
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.44	7.80
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.85	7.80
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.62	8.25
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.04	8.25
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.62	8.25
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.62	8.25
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.62	8.25
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.04	8.25
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.91	8.47
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.33	8.47
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.33	8.47
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.06	8.58
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.48	8.58
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.06	8.58
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.06	8.58
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.06	8.58
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.48	8.58
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.48	8.58
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.07	8.58
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.91
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.34	8.91
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.91
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.34	8.91
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.34	8.91
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.52	8.91
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.93	9.36
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.10	9.36
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.10	9.36
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.10	9.36
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.52	9.36
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	41.11	9.36
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	41.11	9.36
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.08	9.48
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.82	9.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.78	9.70
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.78	9.70
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	44.38	9.70
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.93	9.81
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	44.53	9.81
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	44.83	10.03
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	1,000.82	22.29
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	73.59	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	71.07	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.07	
23 41 16		**Renewable-Media Air Filters** *(23 41)*		
23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	126.64	
23 41 19		**Washable Air Filters** *(23 41)*		
23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	48.35	
23 41 33		**High-Efficiency Particulate Filtration** *(23 41)*		
23 41 33 00-0001		High Efficiency Particulate Air (HEPA) Filters *(23 41 33)* Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*		
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	137.50	20.80
		For Removal And Replacement In Existing Equipment, Add	*4.16*	
		For >10 To 25, Deduct	*-3.44*	
		For >25 To 50, Deduct	*-6.88*	
		For >50 To 100, Deduct	*-10.31*	
		For >100, Deduct	*-13.75*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	181.41	23.77
		For Removal And Replacement In Existing Equipment, Add	*4.75*	
		For >10 To 25, Deduct	*-4.54*	
		For >25 To 50, Deduct	*-9.07*	
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-18.14*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	212.20	27.49
		For Removal And Replacement In Existing Equipment, Add	*5.50*	
		For >10 To 25, Deduct	*-5.31*	
		For >25 To 50, Deduct	*-10.61*	
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-21.22*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	243.01	31.20
		For Removal And Replacement In Existing Equipment, Add	*6.24*	
		For >10 To 25, Deduct	*-6.08*	
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-18.23*	
		For >100, Deduct	*-24.30*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	166.43	22.29
		For Removal And Replacement In Existing Equipment, Add	*4.46*	
		For >10 To 25, Deduct	*-4.16*	
		For >25 To 50, Deduct	*-8.32*	
		For >50 To 100, Deduct	*-12.48*	
		For >100, Deduct	*-16.64*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	222.07	26.00
		For Removal And Replacement In Existing Equipment, Add	*5.20*	
		For >10 To 25, Deduct	*-5.55*	
		For >25 To 50, Deduct	*-11.10*	
		For >50 To 100, Deduct	*-16.66*	
		For >100, Deduct	*-22.21*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	264.95	29.72
		For Removal And Replacement In Existing Equipment, Add	*5.94*	
		For >10 To 25, Deduct	*-6.62*	
		For >25 To 50, Deduct	*-13.25*	
		For >50 To 100, Deduct	*-19.87*	
		For >100, Deduct	*-26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	315.24	37.15
		For Removal And Replacement In Existing Equipment, Add	*7.43*	
		For >10 To 25, Deduct	*-7.88*	
		For >25 To 50, Deduct	*-15.76*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-31.52*	
23 41 33 00-0011		**High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%** *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	118.08	18.57
		For Removal And Replacement In Existing Equipment, Add	*3.72*	
		For >10 To 25, Deduct	*-2.95*	
		For >25 To 50, Deduct	*-5.90*	
		For >50 To 100, Deduct	*-8.86*	
		For >100, Deduct	*-11.81*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	162.19	22.29
		For Removal And Replacement In Existing Equipment, Add	*4.46*	
		For >10 To 25, Deduct	*-4.05*	
		For >25 To 50, Deduct	*-8.11*	
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-16.22*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	245.25	26.00
		For Removal And Replacement In Existing Equipment, Add	*5.20*	
		For >10 To 25, Deduct	*-6.13*	
		For >25 To 50, Deduct	*-12.26*	
		For >50 To 100, Deduct	*-18.39*	
		For >100, Deduct	*-24.53*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	313.97	29.72
		For Removal And Replacement In Existing Equipment, Add	*5.94*	
		For >10 To 25, Deduct	*-7.85*	
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-31.40*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	110.58	14.86
		For Removal And Replacement In Existing Equipment, Add	*2.97*	
		For >10 To 25, Deduct	*-2.76*	
		For >25 To 50, Deduct	*-5.53*	
		For >50 To 100, Deduct	*-8.29*	
		For >100, Deduct	*-11.06*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	146.69	20.06
		For Removal And Replacement In Existing Equipment, Add	*4.01*	
		For >10 To 25, Deduct	*-3.67*	
		For >25 To 50, Deduct	*-7.33*	
		For >50 To 100, Deduct	*-11.00*	
		For >100, Deduct	*-14.67*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	196.28	23.77
		For Removal And Replacement In Existing Equipment, Add	*4.75*	
		For >10 To 25, Deduct	*-4.91*	
		For >25 To 50, Deduct	*-9.81*	
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-19.63*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	230.42	27.86
		For Removal And Replacement In Existing Equipment, Add	*5.57*	
		For >10 To 25, Deduct	*-5.76*	
		For >25 To 50, Deduct	*-11.52*	
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-23.04*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	263.07	31.20
		For Removal And Replacement In Existing Equipment, Add	*6.24*	
		For >10 To 25, Deduct	*-6.58*	
		For >25 To 50, Deduct	*-13.15*	
		For >50 To 100, Deduct	*-19.73*	
		For >100, Deduct	*-26.31*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	179.96	22.29
		For Removal And Replacement In Existing Equipment, Add	*4.46*	
		For >10 To 25, Deduct	*-4.50*	
		For >25 To 50, Deduct	*-9.00*	
		For >50 To 100, Deduct	*-13.50*	
		For >100, Deduct	*-18.00*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	240.98	26.00
		For Removal And Replacement In Existing Equipment, Add	*5.20*	
		For >10 To 25, Deduct	*-6.02*	
		For >25 To 50, Deduct	*-12.05*	
		For >50 To 100, Deduct	*-18.07*	
		For >100, Deduct	*-24.10*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	287.78	29.72
		For Removal And Replacement In Existing Equipment, Add	*5.94*	
		For >10 To 25, Deduct	*-7.19*	
		For >25 To 50, Deduct	*-14.39*	
		For >50 To 100, Deduct	*-21.58*	
		For >100, Deduct	*-28.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	354.74	37.15
		For Removal And Replacement In Existing Equipment, Add	*7.43*	
		For >10 To 25, Deduct	*-8.87*	
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-26.61*	
		For >100, Deduct	*-35.47*	
23 41 33 00-0025		**High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal** *(23 41 33)*		
		Note: Nominal sizes.		
23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	357.66	110.85
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	672.18	220.33
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	681.42	220.33
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	687.59	220.33
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	730.74	220.33
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	784.67	220.33
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,307.35	442.03
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,438.35	442.03
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,604.78	442.03
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	383.86	110.85
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	716.87	220.33
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	727.65	220.33
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	735.36	220.33
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	786.22	220.33
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	854.02	220.33
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,415.23	442.03
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,578.59	442.03
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,785.09	442.03
23 41 33 00-0044		**Filter, Bag Type, 90-95% Efficiency** *(23 41 33)*		
23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	333.34	143.70
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	376.47	143.70
23 41 33 00-0047		**Filter, Bag Type, 80-85% Efficiency** *(23 41 33)*		
23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	328.39	143.70
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	360.21	143.70

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.56	11.14
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	50.09	11.14
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	50.42	11.14
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	50.42	11.14
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	54.46	11.14
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	61.11	11.14
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.30	12.63
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.76	12.63
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	63.14	12.63
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	63.14	12.63
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	67.61	12.63
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	80.06	12.63
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	31.06	11.14
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	32.99	11.14
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	33.06	11.14
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	35.57	11.14
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	37.81	11.14
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	35.92	12.63
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	39.27	12.63
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	39.98	12.63
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	44.14	12.63
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	46.78	12.63
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	75.62	13.37

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001		**Stationary Floor, Room Air Purifier** *(23 43 23)*	
23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,194.18
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,662.26
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,203.24
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	941.77
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,694.04
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,709.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 23 00-0008		Surface Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,091.12	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,300.51	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,916.62	
23 43 23 00-0012		Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,985.77	

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001		Vertical Discharge Fans *(23 51 13 13)* Note: Includes chimney adapter. Excludes wiring.		
23 51 13 13-0002		Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*		
23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	4,108.62	301.07
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,658.36	328.44
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,593.01	362.66
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	7,311.48	420.82
23 51 13 13-0007		Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*		
23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,940.35	328.44
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	6,026.29	362.66
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,827.15	424.24
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	9,270.47	475.56
23 51 13 13-0012		Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*		
23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	576.55	102.63

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001		Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,169.21	60.77
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,282.53	64.46
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,416.59	68.42
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,513.52	72.97
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,652.79	78.17
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,755.53	84.16
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,941.37	91.25
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	2,131.92	99.52
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,388.22	104.35
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,566.23	109.48
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,804.85	114.95
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,309.31	182.01
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,630.44	193.30
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,934.82	205.28
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	4,001.20	212.12
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	4,127.17	218.96
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	4,241.08	232.65
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,426.39	239.34
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,618.50	253.02
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,838.85	273.70
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	5,084.45	283.10
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	5,311.67	287.39
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,572.64	301.07
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,835.10	314.76
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	6,098.32	328.44
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	6,360.43	342.13

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001		Barometric Dampers *(23 51 13 19)*		
23 51 13 19-0002	EA	6" x 6" Barometric Damper	540.26	11.87
23 51 13 19-0003	EA	12" x 12" Barometric Damper	781.55	16.32
23 51 13 19-0004	EA	18" x 18" Barometric Damper	1,047.49	25.22
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,253.91	47.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0006	EA	6" Diameter Barometric Damper	265.40	11.87
		For Stainless Steel, Add	*263.22*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	314.01	13.35
		For Stainless Steel, Add	*312.72*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	364.33	14.83
		For Stainless Steel, Add	*362.66*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	448.12	14.83
		For Stainless Steel, Add	*459.41*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	590.05	17.80
		For Stainless Steel, Add	*625.90*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	748.99	19.29
		For Stainless Steel, Add	*807.23*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	941.38	20.77
		For Stainless Steel, Add	*1,029.50*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,123.24	22.26
		For Stainless Steel, Add	*1,237.38*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,302.92	25.22
		For Stainless Steel, Add	*1,444.81*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,715.42	26.70
		For Stainless Steel, Add	*1,930.32*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	2,041.56	29.67
		For Stainless Steel, Add	*2,310.54*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,461.17	29.67
		For Stainless Steel, Add	*2,807.74*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	3,033.88	34.13
		For Stainless Steel, Add	*3,480.42*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,869.59	35.61
		For Stainless Steel, Add	*4,474.84*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	37.71	12.18
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*5.24*	
		For 3" To 4" Wall Instead Of 1", Add	*9.37*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	40.38	12.86
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.83*	
		For 3" To 4" Wall Instead Of 1", Add	*10.32*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	44.51	13.68
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.58*	
		For 3" To 4" Wall Instead Of 1", Add	*11.56*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	48.46	14.64
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*7.32*	
		For 3" To 4" Wall Instead Of 1", Add	*12.78*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	56.49	15.60
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*9.30*	
		For 3" To 4" Wall Instead Of 1", Add	*15.86*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	62.78	16.83
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*10.34*	
		For 3" To 4" Wall Instead Of 1", Add	*17.63*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	88.80	18.07
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*17.45*	
		For 3" To 4" Wall Instead Of 1", Add	*28.48*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	107.32	19.98
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*22.23*	
		For 3" To 4" Wall Instead Of 1", Add	*35.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	148.70	20.80
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*34.18*	
		For 3" To 4" Wall Instead Of 1", Add	*53.88*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	184.69	21.89
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*44.51*	
		For 3" To 4" Wall Instead Of 1", Add	*69.49*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	226.24	22.99
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*56.26*	
		For 3" To 4" Wall Instead Of 1", Add	*87.29*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	289.78	36.54
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*68.90*	
		For 3" To 4" Wall Instead Of 1", Add	*107.86*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	349.10	38.59
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*85.25*	
		For 3" To 4" Wall Instead Of 1", Add	*132.75*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	413.75	41.05
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*103.43*	
		For 3" To 4" Wall Instead Of 1", Add	*160.32*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	479.14	42.42
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*122.56*	
		For 3" To 4" Wall Instead Of 1", Add	*189.13*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	502.19	43.80
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*128.77*	
		For 3" To 4" Wall Instead Of 1", Add	*198.63*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	533.79	46.94
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*136.70*	
		For 3" To 4" Wall Instead Of 1", Add	*210.91*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	603.25	48.72
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*156.67*	
		For 3" To 4" Wall Instead Of 1", Add	*241.08*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	675.18	50.49
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*177.31*	
		For 3" To 4" Wall Instead Of 1", Add	*272.28*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	710.60	52.55
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*186.93*	
		For 3" To 4" Wall Instead Of 1", Add	*286.96*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	770.28	54.74
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*203.75*	
		For 3" To 4" Wall Instead Of 1", Add	*312.46*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	847.94	57.06
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*225.84*	
		For 3" To 4" Wall Instead Of 1", Add	*345.89*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	887.10	59.67
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*236.26*	
		For 3" To 4" Wall Instead Of 1", Add	*361.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	980.99	62.54
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*263.01*	
		For 3" To 4" Wall Instead Of 1", Add	*402.34*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,064.75	65.69
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*286.58*	
		For 3" To 4" Wall Instead Of 1", Add	*438.08*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,170.67	69.11
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*316.70*	
		For 3" To 4" Wall Instead Of 1", Add	*483.67*	
23 51 16 00-0029		**90 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	93.95	24.35
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*16.12*	
		For 3" To 4" Wall Instead Of 1", Add	*27.19*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	103.85	25.73
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*18.32*	
		For 3" To 4" Wall Instead Of 1", Add	*30.69*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	115.49	27.37
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*21.03*	
		For 3" To 4" Wall Instead Of 1", Add	*34.94*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	127.46	29.15
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*23.76*	
		For 3" To 4" Wall Instead Of 1", Add	*39.26*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	151.20	31.20
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*29.85*	
		For 3" To 4" Wall Instead Of 1", Add	*48.65*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	176.38	33.67
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*36.08*	
		For 3" To 4" Wall Instead Of 1", Add	*58.33*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	303.62	36.54
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*72.78*	
		For 3" To 4" Wall Instead Of 1", Add	*113.75*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	366.93	39.82
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*90.18*	
		For 3" To 4" Wall Instead Of 1", Add	*140.25*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	474.08	41.74
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*121.37*	
		For 3" To 4" Wall Instead Of 1", Add	*187.27*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	581.44	43.80
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*152.58*	
		For 3" To 4" Wall Instead Of 1", Add	*234.33*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	749.82	46.12
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*201.88*	
		For 3" To 4" Wall Instead Of 1", Add	*308.58*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,058.66	72.94
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*281.08*	
		For 3" To 4" Wall Instead Of 1", Add	*430.75*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,392.15	77.32
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*378.99*	
		For 3" To 4" Wall Instead Of 1", Add	*578.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,570.33	82.11
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*430.00*	
		For 3" To 4" Wall Instead Of 1", Add	*655.28*	
23 51 16 00-0044		**45 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	80.13	24.35
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.89*	
		For 3" To 4" Wall Instead Of 1", Add	*20.87*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	87.28	25.73
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*13.29*	
		For 3" To 4" Wall Instead Of 1", Add	*23.16*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	95.30	27.37
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*14.90*	
		For 3" To 4" Wall Instead Of 1", Add	*25.78*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	105.12	29.15
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*16.94*	
		For 3" To 4" Wall Instead Of 1", Add	*29.06*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	124.28	31.20
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*21.65*	
		For 3" To 4" Wall Instead Of 1", Add	*36.38*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	137.19	33.67
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*24.33*	
		For 3" To 4" Wall Instead Of 1", Add	*40.70*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	223.82	36.54
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*48.90*	
		For 3" To 4" Wall Instead Of 1", Add	*77.91*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	266.67	39.82
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*60.10*	
		For 3" To 4" Wall Instead Of 1", Add	*95.12*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	339.47	41.74
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*80.98*	
		For 3" To 4" Wall Instead Of 1", Add	*126.68*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	404.54	43.80
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*99.47*	
		For 3" To 4" Wall Instead Of 1", Add	*154.68*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	511.79	46.12
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*130.49*	
		For 3" To 4" Wall Instead Of 1", Add	*201.50*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	629.25	72.80
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*152.38*	
		For 3" To 4" Wall Instead Of 1", Add	*237.67*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	866.49	77.32
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*221.29*	
		For 3" To 4" Wall Instead Of 1", Add	*341.60*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,058.18	82.11
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*276.42*	
		For 3" To 4" Wall Instead Of 1", Add	*424.89*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,895.00	84.85
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*526.10*	
		For 3" To 4" Wall Instead Of 1", Add	*799.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,947.94	87.58
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*540.62*	
		For 3" To 4" Wall Instead Of 1", Add	*821.87*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,053.85	93.06
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*569.65*	
		For 3" To 4" Wall Instead Of 1", Add	*866.11*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,291.23	95.79
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*639.50*	
		For 3" To 4" Wall Instead Of 1", Add	*971.22*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,500.88	101.27
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*699.66*	
		For 3" To 4" Wall Instead Of 1", Add	*1,062.14*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,579.03	109.48
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*719.00*	
		For 3" To 4" Wall Instead Of 1", Add	*1,092.18*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,761.51	113.32
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*771.83*	
		For 3" To 4" Wall Instead Of 1", Add	*1,171.90*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,938.53	114.95
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*824.12*	
		For 3" To 4" Wall Instead Of 1", Add	*1,250.54*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,067.48	120.43
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*860.07*	
		For 3" To 4" Wall Instead Of 1", Add	*1,305.15*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,254.05	125.90
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*913.31*	
		For 3" To 4" Wall Instead Of 1", Add	*1,385.69*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,498.27	131.38
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*983.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,492.17*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,627.22	136.86
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,019.79*	
		For 3" To 4" Wall Instead Of 1", Add	*1,546.78*	

23 51 16 00-0071 Tees *(23 51 16 00-0001)*

23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	128.47	32.44
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*22.30*	
		For 3" To 4" Wall Instead Of 1", Add	*37.51*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	133.73	33.67
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*23.29*	
		For 3" To 4" Wall Instead Of 1", Add	*39.14*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	139.46	35.04
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*24.32*	
		For 3" To 4" Wall Instead Of 1", Add	*40.86*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	148.92	36.54
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*26.42*	
		For 3" To 4" Wall Instead Of 1", Add	*44.19*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	174.79	38.05
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*33.39*	
		For 3" To 4" Wall Instead Of 1", Add	*54.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	187.10	39.82
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*36.23*	
		For 3" To 4" Wall Instead Of 1", Add	*59.32*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	341.75	41.74
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*81.67*	
		For 3" To 4" Wall Instead Of 1", Add	*127.72*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	395.32	43.80
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*96.71*	
		For 3" To 4" Wall Instead Of 1", Add	*150.53*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	587.33	48.72
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*151.88*	
		For 3" To 4" Wall Instead Of 1", Add	*233.89*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	796.17	54.74
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*211.49*	
		For 3" To 4" Wall Instead Of 1", Add	*324.08*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	986.35	62.54
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*264.63*	
		For 3" To 4" Wall Instead Of 1", Add	*404.77*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,311.24	77.32
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*354.76*	
		For 3" To 4" Wall Instead Of 1", Add	*541.79*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,647.32	101.00
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*443.70*	
		For 3" To 4" Wall Instead Of 1", Add	*678.17*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,892.24	106.74
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*514.30*	
		For 3" To 4" Wall Instead Of 1", Add	*784.79*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,593.00	114.95
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*720.40*	
		For 3" To 4" Wall Instead Of 1", Add	*1,094.98*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,892.22	119.47
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*807.96*	
		For 3" To 4" Wall Instead Of 1", Add	*1,226.86*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,138.97	125.90
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*878.74*	
		For 3" To 4" Wall Instead Of 1", Add	*1,333.85*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,613.67	131.38
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,018.43*	
		For 3" To 4" Wall Instead Of 1", Add	*1,544.07*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,685.10	136.86
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,037.10*	
		For 3" To 4" Wall Instead Of 1", Add	*1,572.76*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,284.48	146.02
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,212.32*	
		For 3" To 4" Wall Instead Of 1", Add	*1,836.73*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,387.70	164.23
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,234.17*	
		For 3" To 4" Wall Instead Of 1", Add	*1,871.79*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,792.11	187.76
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,343.77*	
		For 3" To 4" Wall Instead Of 1", Add	*2,039.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,273.67	218.96
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,472.62*	
		For 3" To 4" Wall Instead Of 1", Add	*2,236.30*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,745.07	246.33
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,600.45*	
		For 3" To 4" Wall Instead Of 1", Add	*2,431.45*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,284.39	254.54
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,758.13*	
		For 3" To 4" Wall Instead Of 1", Add	*2,668.99*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,650.97	262.75
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,863.96*	
		For 3" To 4" Wall Instead Of 1", Add	*2,828.77*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	65.47	19.02
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*10.12*	
		For 3" To 4" Wall Instead Of 1", Add	*17.56*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	68.60	19.98
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*10.62*	
		For 3" To 4" Wall Instead Of 1", Add	*18.42*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	87.36	21.89
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.26*	
		For 3" To 4" Wall Instead Of 1", Add	*25.63*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	93.38	24.35
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.86*	
		For 3" To 4" Wall Instead Of 1", Add	*26.83*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	112.40	25.73
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*20.85*	
		For 3" To 4" Wall Instead Of 1", Add	*34.50*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	131.82	27.37
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*25.86*	
		For 3" To 4" Wall Instead Of 1", Add	*42.21*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	300.63	31.20
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*74.56*	
		For 3" To 4" Wall Instead Of 1", Add	*115.75*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	554.21	39.13
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*146.72*	
		For 3" To 4" Wall Instead Of 1", Add	*224.96*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,016.42	46.94
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*281.47*	
		For 3" To 4" Wall Instead Of 1", Add	*428.07*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,685.88	65.69
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*472.91*	
		For 3" To 4" Wall Instead Of 1", Add	*717.58*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,478.29	69.11
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*708.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,072.03*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,776.15	72.94
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*796.35*	
		For 3" To 4" Wall Instead Of 1", Add	*1,203.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,132.80	77.32
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*901.18*	
		For 3" To 4" Wall Instead Of 1", Add	*1,361.44*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,317.78	82.11
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*954.26*	
		For 3" To 4" Wall Instead Of 1", Add	*1,441.66*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,504.36	87.58
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,007.50*	
		For 3" To 4" Wall Instead Of 1", Add	*1,522.20*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,750.38	93.88
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,078.21*	
		For 3" To 4" Wall Instead Of 1", Add	*1,629.05*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	27.63	10.26
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*3.17*	
		For 3" To 4" Wall Instead Of 1", Add	*6.04*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	35.09	13.14
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.93*	
		For 3" To 4" Wall Instead Of 1", Add	*7.55*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	46.73	17.66
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*5.19*	
		For 3" To 4" Wall Instead Of 1", Add	*9.99*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	58.41	21.89
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*6.58*	
		For 3" To 4" Wall Instead Of 1", Add	*12.60*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	83.34	29.56
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*10.22*	
		For 3" To 4" Wall Instead Of 1", Add	*19.03*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	105.06	36.67
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*13.18*	
		For 3" To 4" Wall Instead Of 1", Add	*24.35*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	132.15	43.80
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*17.75*	
		For 3" To 4" Wall Instead Of 1", Add	*32.10*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	170.58	52.01
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*25.17*	
		For 3" To 4" Wall Instead Of 1", Add	*44.26*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	225.26	57.48
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*38.84*	
		For 3" To 4" Wall Instead Of 1", Add	*65.44*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	74.03	24.35
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*10.06*	
		For 3" To 4" Wall Instead Of 1", Add	*18.12*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	81.51	25.73
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*11.56*	
		For 3" To 4" Wall Instead Of 1", Add	*20.57*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	101.52	29.15
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*15.87*	
		For 3" To 4" Wall Instead Of 1", Add	*27.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	123.24	33.67
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*20.14*	
		For 3" To 4" Wall Instead Of 1", Add	*34.42*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	198.49	36.54
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*41.29*	
		For 3" To 4" Wall Instead Of 1", Add	*66.50*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	235.51	39.82
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*50.76*	
		For 3" To 4" Wall Instead Of 1", Add	*81.11*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	276.63	43.80
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*61.09*	
		For 3" To 4" Wall Instead Of 1", Add	*97.11*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	329.28	48.72
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*74.43*	
		For 3" To 4" Wall Instead Of 1", Add	*117.73*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	494.26	54.74
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*120.90*	
		For 3" To 4" Wall Instead Of 1", Add	*188.19*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	546.74	72.94
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*127.53*	
		For 3" To 4" Wall Instead Of 1", Add	*200.42*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	695.76	93.88
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*161.80*	
		For 3" To 4" Wall Instead Of 1", Add	*254.43*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	827.02	109.48
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*193.37*	
		For 3" To 4" Wall Instead Of 1", Add	*303.73*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	29.41	10.26
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.71*	
		For 3" To 4" Wall Instead Of 1", Add	*6.84*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	37.24	13.14
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.60*	
		For 3" To 4" Wall Instead Of 1", Add	*8.55*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	43.78	15.33
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*5.47*	
		For 3" To 4" Wall Instead Of 1", Add	*10.12*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	50.36	17.51
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*6.35*	
		For 3" To 4" Wall Instead Of 1", Add	*11.71*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	63.47	21.89
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*8.09*	
		For 3" To 4" Wall Instead Of 1", Add	*14.88*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	87.59	29.56
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*11.50*	
		For 3" To 4" Wall Instead Of 1", Add	*20.94*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	108.14	36.67
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*14.10*	
		For 3" To 4" Wall Instead Of 1", Add	*25.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	137.37	43.80
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*19.32*	
		For 3" To 4" Wall Instead Of 1", Add	*34.45*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	180.51	52.01
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*28.15*	
		For 3" To 4" Wall Instead Of 1", Add	*48.73*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	250.11	57.48
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*46.29*	
		For 3" To 4" Wall Instead Of 1", Add	*76.62*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.69	12.86
		For 2" Wall Instead Of 1", Add	*8.18*	
		For 3" To 4" Wall Instead Of 1", Add	*13.87*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	53.58	13.68
		For 2" Wall Instead Of 1", Add	*9.28*	
		For 3" To 4" Wall Instead Of 1", Add	*15.62*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	59.28	14.64
		For 2" Wall Instead Of 1", Add	*10.48*	
		For 3" To 4" Wall Instead Of 1", Add	*17.55*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	106.36	26.69
		For 2" Wall Instead Of 1", Add	*18.56*	
		For 3" To 4" Wall Instead Of 1", Add	*31.17*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	124.12	31.20
		For 2" Wall Instead Of 1", Add	*21.63*	
		For 3" To 4" Wall Instead Of 1", Add	*36.35*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	147.41	35.31
		For 2" Wall Instead Of 1", Add	*26.57*	
		For 3" To 4" Wall Instead Of 1", Add	*44.26*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.34	26.69
		For 2" Wall Instead Of 1", Add	*19.15*	
		For 3" To 4" Wall Instead Of 1", Add	*32.06*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	128.93	31.20
		For 2" Wall Instead Of 1", Add	*23.08*	
		For 3" To 4" Wall Instead Of 1", Add	*38.52*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	150.52	35.31
		For 2" Wall Instead Of 1", Add	*27.50*	
		For 3" To 4" Wall Instead Of 1", Add	*45.66*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	176.90	40.51
		For 2" Wall Instead Of 1", Add	*32.80*	
		For 3" To 4" Wall Instead Of 1", Add	*54.26*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	180.01	40.51
		For 2" Wall Instead Of 1", Add	*33.73*	
		For 3" To 4" Wall Instead Of 1", Add	*55.66*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	206.85	46.53
		For 2" Wall Instead Of 1", Add	*38.79*	
		For 3" To 4" Wall Instead Of 1", Add	*64.00*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	236.42	52.14
		For 2" Wall Instead Of 1", Add	*44.86*	
		For 3" To 4" Wall Instead Of 1", Add	*73.80*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	67.21	13.14
		For 2" Wall Instead Of 1", Add	*13.57*	
		For 3" To 4" Wall Instead Of 1", Add	*22.00*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	104.26	17.66
		For 2" Wall Instead Of 1", Add	*22.45*	
		For 3" To 4" Wall Instead Of 1", Add	*35.88*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	55.04	13.14
		For 2" Wall Instead Of 1", Add	*9.92*	
		For 3" To 4" Wall Instead Of 1", Add	*16.52*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	92.81	17.66
		For 2" Wall Instead Of 1", Add	*19.01*	
		For 3" To 4" Wall Instead Of 1", Add	*30.73*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	37.24	13.14
		For 2" Wall Instead Of 1", Add	*4.60*	
		For 3" To 4" Wall Instead Of 1", Add	*8.55*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	43.78	15.33
		For 2" Wall Instead Of 1", Add	*5.47*	
		For 3" To 4" Wall Instead Of 1", Add	*10.12*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	50.36	17.51
		For 2" Wall Instead Of 1", Add	*6.35*	
		For 3" To 4" Wall Instead Of 1", Add	*11.71*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	131.27	14.64
		For 316 Stainless Steel, Add	*17.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.94*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	157.77	16.83
		For 316 Stainless Steel, Add	*20.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	175.09	18.20
		For 316 Stainless Steel, Add	*23.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.91*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	197.41	19.84
		For 316 Stainless Steel, Add	*26.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.53*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	222.09	20.80
		For 316 Stainless Steel, Add	*30.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	234.53	21.89
		For 316 Stainless Steel, Add	*32.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*35.94*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.67	23.12
		For 316 Stainless Steel, Add	*36.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.40*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	322.51	36.54
		For 316 Stainless Steel, Add	*41.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*46.25*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	400.75	41.05
		For 316 Stainless Steel, Add	*53.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*59.62*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	452.09	43.80
		For 316 Stainless Steel, Add	*61.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.53*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	505.97	48.58
		For 316 Stainless Steel, Add	*69.20*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	563.03	52.55
		For 316 Stainless Steel, Add	*77.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.18*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	642.73	59.81
		For 316 Stainless Steel, Add	*88.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	752.59	69.25
		For 316 Stainless Steel, Add	*104.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0191		**90 Degree Elbows** *(23 51 16 00-0175)*		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	613.24	30.25
		For 316 Stainless Steel, Add	*107.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*53.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*107.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	677.54	33.67
		For 316 Stainless Steel, Add	*118.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*59.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*118.68*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	771.07	36.54
		For 316 Stainless Steel, Add	*135.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*135.95*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	871.20	39.82
		For 316 Stainless Steel, Add	*154.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*77.17*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*154.34*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,009.71	41.74
		For 316 Stainless Steel, Add	*181.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,112.38	43.80
		For 316 Stainless Steel, Add	*200.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,285.29	46.12
		For 316 Stainless Steel, Add	*234.01*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*234.01*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,491.84	72.94
		For 316 Stainless Steel, Add	*261.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*130.94*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*261.87*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,835.02	82.11
		For 316 Stainless Steel, Add	*325.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*162.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*325.95*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,224.79	87.58
		For 316 Stainless Steel, Add	*401.17*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*401.17*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,936.82	93.75
		For 316 Stainless Steel, Add	*540.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*270.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*540.46*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,338.17	109.48
		For 316 Stainless Steel, Add	*612.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*306.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*612.89*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,895.22	119.47
		For 316 Stainless Steel, Add	*919.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	6,109.13	131.38
		For 316 Stainless Steel, Add	*1,156.14*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*578.07*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,156.14*	
23 51 16 00-0206		**45 Degree Elbows** *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	410.03	29.15
		For 316 Stainless Steel, Add	*67.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*67.42*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	468.60	33.67
		For 316 Stainless Steel, Add	*76.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	520.32	36.54
		For 316 Stainless Steel, Add	*85.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	592.61	39.82
		For 316 Stainless Steel, Add	*98.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	667.04	41.74
		For 316 Stainless Steel, Add	*112.55*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.55*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.43	43.80
		For 316 Stainless Steel, Add	*127.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.59*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	836.76	46.12
		For 316 Stainless Steel, Add	*144.31*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*72.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*144.31*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,007.11	72.94
		For 316 Stainless Steel, Add	*164.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*164.92*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,263.92	82.11
		For 316 Stainless Steel, Add	*211.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*105.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*211.73*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,416.89	87.58
		For 316 Stainless Steel, Add	*239.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*119.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*239.59*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,836.40	93.75
		For 316 Stainless Steel, Add	*320.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*160.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*320.38*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,432.76	109.48
		For 316 Stainless Steel, Add	*431.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*215.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*431.81*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,223.69	119.47
		For 316 Stainless Steel, Add	*585.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,298.34	131.38
		For 316 Stainless Steel, Add	*793.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*396.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*793.98*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	445.13	36.54
		For 316 Stainless Steel, Add	*77.84*	
		For Tee Cap, Add	*102.72*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	506.25	39.82
		For 316 Stainless Steel, Add	*89.48*	
		For Tee Cap, Add	*116.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*81.35*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	580.65	41.74
		For 316 Stainless Steel, Add	*104.81*	
		For Tee Cap, Add	*131.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	666.63	43.80
		For 316 Stainless Steel, Add	*122.58*	
		For Tee Cap, Add	*149.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*55.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*111.44*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	779.12	48.72
		For 316 Stainless Steel, Add	*144.64*	
		For Tee Cap, Add	*174.07*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*131.49*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.02	54.74
		For 316 Stainless Steel, Add	*162.42*	
		For Tee Cap, Add	*195.52*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*147.65*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,019.90	62.54
		For 316 Stainless Steel, Add	*190.00*	
		For Tee Cap, Add	*227.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*172.72*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,168.25	77.32
		For 316 Stainless Steel, Add	*214.51*	
		For Tee Cap, Add	*262.63*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.51*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*195.01*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,485.56	109.48
		For 316 Stainless Steel, Add	*266.61*	
		For Tee Cap, Add	*338.17*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*242.37*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,802.89	119.47
		For 316 Stainless Steel, Add	*330.96*	
		For Tee Cap, Add	*405.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*150.44*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*300.87*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,389.98	131.38
		For 316 Stainless Steel, Add	*453.54*	
		For Tee Cap, Add	*527.26*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*206.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*412.31*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,663.49	146.02
		For 316 Stainless Steel, Add	*505.64*	
		For Tee Cap, Add	*587.47*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*229.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,238.69	218.96
		For 316 Stainless Steel, Add	*812.08*	
		For Tee Cap, Add	*929.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*369.13*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*738.26*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,323.28	262.75
		For 316 Stainless Steel, Add	*1,026.60*	
		For Tee Cap, Add	*1,163.20*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*466.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*933.27*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	836.27	29.15
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*152.67*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	911.56	33.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*165.48*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	996.73	36.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,102.43	39.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,232.57	41.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*112.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*225.66*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,363.11	43.80
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,522.09	46.12
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*140.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*281.37*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,770.41	72.94
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*317.59*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,183.27	82.11
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*197.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*395.59*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,447.69	87.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*222.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*445.74*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,797.67	93.88
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*256.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*512.60*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,198.89	109.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,059.48	119.47
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*376.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*752.19*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,925.16	131.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	557.81	33.67
		For 316 Stainless Steel, Add	*59.20*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	606.54	39.82
		For 316 Stainless Steel, Add	*63.38*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	663.83	43.80
		For 316 Stainless Steel, Add	*69.30*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	717.90	48.72
		For 316 Stainless Steel, Add	*74.52*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	911.67	51.59
		For 316 Stainless Steel, Add	*97.85*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	816.58	54.74
		For 316 Stainless Steel, Add	*84.97*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	878.73	58.43
		For 316 Stainless Steel, Add	*91.59*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	990.92	82.11
		For 316 Stainless Steel, Add	*98.20*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,111.90	93.75
		For 316 Stainless Steel, Add	*109.69*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,269.34	101.00
		For 316 Stainless Steel, Add	*127.11*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,415.74	109.34
		For 316 Stainless Steel, Add	*142.78*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,581.89	131.24
		For 316 Stainless Steel, Add	*156.71*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,022.38	145.89
		For 316 Stainless Steel, Add	*207.20*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,499.68	164.09
		For 316 Stainless Steel, Add	*261.18*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0266		**Exit Cones** *(23 51 16 00-0175)*		
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	384.74	19.02
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	405.96	20.80
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	436.40	21.89
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	456.00	22.99
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	502.11	23.68
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	548.23	24.22
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	664.26	25.04
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	833.28	46.94
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,045.64	50.49
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,245.74	52.55
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,529.81	54.74
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,737.30	59.81
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,190.14	62.54
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,796.90	65.69
23 51 16 00-0281		**Vent Top Caps** *(23 51 16 00-0175)*		
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	420.85	19.02
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	486.75	20.80
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	564.51	21.89
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	648.19	22.99
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	755.57	23.68
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	857.55	24.35
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	954.03	25.04
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,147.97	46.94
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,366.02	50.49
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,482.46	52.55
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,682.95	54.74
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,960.00	59.67
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,385.05	62.54
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,768.94	65.69
23 51 16 00-0296		**Roof Support Assemblies** *(23 51 16 00-0175)*		
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	636.29	35.04
		For 316 Stainless Steel, Add	*109.76*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	703.25	41.74
		For 316 Stainless Steel, Add	*119.79*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	772.61	46.12
		For 316 Stainless Steel, Add	*131.49*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	825.18	51.45
		For 316 Stainless Steel, Add	*139.29*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	919.68	54.74
		For 316 Stainless Steel, Add	*156.57*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	976.19	58.43
		For 316 Stainless Steel, Add	*166.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,048.02	62.68
		For 316 Stainless Steel, Add	*178.30*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,166.16	87.58
		For 316 Stainless Steel, Add	*189.44*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,311.31	101.13
		For 316 Stainless Steel, Add	*211.73*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,513.42	109.48
		For 316 Stainless Steel, Add	*247.94*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,802.91	119.47
		For 316 Stainless Steel, Add	*300.87*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,092.38	146.02
		For 316 Stainless Steel, Add	*345.45*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,112.83	164.23
		For 316 Stainless Steel, Add	*540.46*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,809.81	186.66
		For 316 Stainless Steel, Add	*668.61*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	114.55	14.64
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.60*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	139.41	15.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.03*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.06*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	159.17	16.83
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.40*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	215.43	18.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	278.25	19.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*45.69*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	353.14	20.93
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*60.18*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	247.11	29.15
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.82*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	273.15	31.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.00*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	307.07	33.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.57*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	381.01	36.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	453.33	39.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	527.67	41.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*84.69*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	203.59	29.15
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.12*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	224.39	31.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	251.36	33.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.43*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	308.58	36.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	364.85	39.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.07*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	421.88	41.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.52*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	401.66	29.15
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	507.18	31.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	568.90	33.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*48.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*96.95*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	773.72	36.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*68.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*136.51*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,060.59	39.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*96.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*192.23*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,357.84	41.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	173.23	29.15
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	186.80	31.20
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	217.88	33.67
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	271.02	36.54
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	323.76	39.82
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	382.81	41.74
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	205.27	29.15
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	228.57	31.20
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	248.52	33.67
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	301.63	36.54
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	371.21	39.82
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	444.06	41.61
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	184.38	29.15
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	229.96	31.20
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	287.53	33.67
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	456.29	36.54
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	620.53	39.82
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	789.58	41.74
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	272.02	29.15
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	302.39	31.20
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	327.90	33.67
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	411.60	36.54
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	486.75	39.82
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	594.57	41.74
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	267.64	55.72
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	289.96	55.72
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	51.15	16.93
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	58.05	17.82
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	66.48	19.80
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	82.46	23.30
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	61.43	19.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	73.91	20.43
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	90.50	22.70
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	111.83	26.70
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	101.03	25.68
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	119.06	27.02
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	147.78	30.02
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	191.20	35.32
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	149.84	37.89
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	171.08	39.88
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	221.88	44.31
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	287.99	52.14
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	63.22	20.57
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	73.76	21.65
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	91.72	22.45
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	106.30	23.36
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	63.22	20.57
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	73.76	21.65
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	91.72	22.45
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	106.30	23.36
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	63.22	20.57
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	73.76	21.65
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	91.72	22.45
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	106.30	23.36
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	63.22	20.57
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	73.76	21.65
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	90.61	22.45
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	109.04	23.36
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	193.80	30.86
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	242.96	32.49
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	284.75	33.67
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	311.39	35.04
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	74.02	20.57
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	105.22	21.65
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	122.18	22.45
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	165.85	23.36
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	81.84	21.12
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	89.52	22.04
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	159.17	22.89
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	109.56	21.12
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	87.26	22.04
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	218.38	22.89
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	81.84	21.12
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	89.52	22.04
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	196.08	22.89
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	104.25	30.86
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	116.71	32.49
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	176.89	33.67
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	188.76	35.04
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	289.72	33.67
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	379.20	42.08
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	239.10	35.04
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	353.30	43.80
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	367.51	22.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	425.16	22.89

23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	141.68	30.86
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	170.70	32.49
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	195.13	33.67
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	222.26	35.04
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	245.78	33.67
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	270.73	35.04
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	80.82	10.29
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	103.48	10.83
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	122.81	11.22
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	160.06	11.67
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	157.89	30.86
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	193.17	32.49
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	222.99	33.67
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	268.06	35.04

23 51 16 00-0455 Polypropylene Flue/Vent Terminations *(23 51 16 00-0372)*

23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	203.04	20.57
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	179.51	21.65
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	224.10	22.45
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	455.08	21.65
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	485.83	22.45
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	566.83	23.36
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	120.85	20.57
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	127.79	20.57
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	134.73	20.57
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	141.67	20.57
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	130.50	21.65
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	137.44	21.65
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	144.38	21.65
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	151.32	21.65
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	146.34	22.45
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	153.28	22.45
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	160.23	22.45
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	127.72	20.57
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	163.12	21.65
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	149.21	30.86
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	195.61	32.49
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	230.75	33.67
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	254.01	35.04
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	53.83	17.82
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	64.26	19.80
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	64.66	20.43
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	80.51	22.70
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	97.22	27.02
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	134.45	39.88
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	162.55	44.31
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	59.40	17.82
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	76.20	20.43
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	124.21	27.02
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	65.42	20.57
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	76.53	21.65
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	95.28	22.45
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	64.38	20.57
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	75.84	21.65
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	94.06	22.45
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	41.73	10.29
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	48.52	10.83
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	54.30	11.22
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	105.40	10.83
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	121.06	11.67

23 51 16 00-0500 Polypropylene Flue/Vent Accessories *(23 51 16 00-0372)*

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	21.25	5.15
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	20.29	5.42
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	20.89	5.61
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	32.76	5.84
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	39.98	7.72
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	46.91	8.11
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	54.36	8.41
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	38.05	7.72
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	38.02	8.41
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	46.21	8.76
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	29.20	8.11
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	58.43	20.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	64.34	21.65
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	69.22	22.45
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	77.20	23.36
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.46	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.98	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.75	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	11.15	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	17.64	5.15
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	19.95	5.42
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	21.46	5.61
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	23.71	5.84
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	87.78	10.29
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	90.00	10.83
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	67.04	11.22
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	76.24	7.72
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	78.65	8.11
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	105.46	8.41
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	178.42	8.76
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.78	1.81
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.93	1.81
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.93	2.14
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	14.61	2.14
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	24.40	2.62
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	20.83	2.62
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	97.43	20.57
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	109.02	20.57
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	221.09	21.65
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	403.18	22.45
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	112.43	20.57
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	263.43	21.65
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	680.85	22.45
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	127.82	20.57
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	118.20	21.65
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	145.97	22.45
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	122.02	20.39
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	129.78	19.98
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	140.73	20.93
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	196.37	21.89
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	219.64	24.35
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	627.29	25.73
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	642.88	27.37

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,475.26	748.73
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	10,230.88	873.52
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,971.13	935.92
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	12,205.95	998.30
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	13,411.29	1,060.70
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,647.49	1,185.49
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,883.79	1,310.28
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,618.45	1,372.67
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,624.06	1,435.07
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	25,612.78	1,559.86
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	26,689.32	1,622.25
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	27,998.65	1,759.47
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	29,163.62	1,889.80
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	31,459.83	2,020.13
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	33,881.22	2,215.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	36,032.20	2,280.79
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	37,776.41	2,345.96
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	40,166.55	2,411.12
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	42,557.33	2,476.29
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	45,535.48	2,606.63
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	48,604.87	2,736.95
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	51,609.10	2,802.12
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	57,170.29	2,867.28
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	61,572.36	2,997.62
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	63,061.44	3,127.94
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	69,309.26	3,323.44
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	71,571.75	3,518.94
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	73,964.57	3,714.44
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	78,536.40	3,909.93
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	80,570.23	4,040.26
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	83,238.56	4,300.92
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	86,086.39	4,561.59
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	94,010.21	4,822.25
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	99,103.37	5,082.91

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,323.86	686.34
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,761.68	748.73
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	9,199.50	811.13
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,627.84	873.52
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	10,124.77	935.92
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,485.98	998.30
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,923.80	1,060.70
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,580.52	1,123.09
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	12,168.60	1,185.49
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,518.85	1,247.88
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,447.86	1,310.28
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	14,327.96	1,372.67
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,923.83	1,435.07
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,975.98	1,497.46
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,852.49	1,559.86
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	19,359.69	1,622.25
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	21,105.10	1,759.47
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	22,680.23	1,889.80
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	24,396.65	2,020.13
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	26,102.11	2,215.63
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	27,818.54	2,345.96
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	29,423.96	2,476.29
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	31,681.06	2,541.46
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	33,757.66	2,606.63
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	35,746.69	2,736.95
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	37,833.05	2,736.95
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	41,439.45	2,802.12
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	43,356.52	2,867.28
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	45,780.44	2,997.62
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	47,607.34	3,062.78
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	49,440.87	3,127.94
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	50,816.93	3,323.44
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	53,302.53	3,518.94
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	62,005.90	3,714.44
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	68,022.43	3,909.93
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	70,653.27	4,040.26
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	73,585.13	4,300.92
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	76,517.01	4,561.59
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	84,788.76	4,822.25
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	90,126.10	5,082.91
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	92,401.24	5,213.24
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	94,676.39	5,343.58
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	95,197.71	5,539.07
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	102,197.76	5,669.40
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	106,878.37	5,864.90
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	114,748.98	6,255.90
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	123,683.13	6,907.55
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	133,967.40	7,689.53
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	141,838.00	8,471.52

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0001		**Hamilton Evo Series Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.		
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	13,306.65	499.15
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	14,098.80	664.87
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	15,043.83	748.61
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,946.57	790.29
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	21,020.71	915.08
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	24,318.14	998.18
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	32,812.46	1,164.52
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	45,551.88	1,330.99
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	55,669.29	1,455.78
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	80,288.98	1,705.23
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	88,468.23	1,830.02
23 52 16 13-0013		**Buderus SB615 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	41,855.61	1,081.41
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	43,848.03	1,164.52
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	48,999.68	1,330.99
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	52,984.50	1,497.34
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	58,781.03	1,622.12
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	67,218.61	1,705.23
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	80,648.94	1,830.02
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	82,774.69	1,996.37
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	95,821.73	2,079.60
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	111,015.58	2,162.83
23 52 16 13-0025		**Laars Neotherm Stainless Steel Condensing Boiler** *(23 52 16 13)* Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	9,471.48	540.71
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,811.74	623.94
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	12,112.60	748.61
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	13,489.71	831.84
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	16,974.64	915.08
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	22,182.21	998.18
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	26,653.01	1,081.41
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	29,588.81	1,164.52
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	32,140.85	1,247.76
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	34,942.48	1,414.10
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	49,739.82	1,497.34
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	66,131.73	1,746.91
23 52 16 13-0038		**AERCO Benchmark Stainless-Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	53,059.14	1,705.23
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	62,941.32	1,830.02
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	90,429.02	2,038.05
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	96,334.12	2,038.05
23 52 16 13-0043		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	13,129.82	748.61
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	16,985.35	831.84
23 52 16 13-0046		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	19,290.05	956.62
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	24,043.55	998.18
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	29,503.58	1,081.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	35,375.22	1,122.97
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	43,253.66	1,206.20
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	54,819.62	1,413.85
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	56,583.90	1,622.12
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	62,030.58	1,725.82
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	67,477.29	1,830.02
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	79,167.72	1,913.25
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	87,710.99	1,996.37
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	107,769.55	2,079.60
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	119,075.93	2,162.70
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	146,096.16	2,245.81
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	50,430.94	1,705.23
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	77,456.67	2,038.05
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	26,328.02	1,206.20
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	31,660.42	1,497.34
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	53,605.08	1,830.02
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	91,933.51	2,162.83
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	38,546.47	1,580.44
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	63,352.39	1,830.02
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	94,007.40	2,162.83
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,767.46	540.71
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,667.58	623.94
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,909.35	748.61
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	12,243.17	831.84
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	15,870.29	956.62
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	21,552.62	915.08
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	24,244.22	1,039.86
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	27,467.90	1,247.76
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	40,665.96	1,414.10
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	42,482.12	1,497.34
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	65,869.30	1,705.23
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	71,326.85	1,830.02
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	83,807.63	1,996.37
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	97,245.44	2,038.05
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	110,627.67	2,162.83
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,355.03	499.15
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,381.91	582.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,531.02	707.05
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,347.43	790.29
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	378.16	124.79
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	485.06	124.79
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	999.39	124.79
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,578.49	915.08
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,954.19	956.62
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	24,609.89	1,122.97
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,039.55	1,122.97
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,361.27	1,206.20
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,790.93	1,206.20
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	34,142.77	1,414.10
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,145.06	1,497.34
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	42,314.86	1,580.44
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	42,943.79	1,580.44
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,443.28	1,622.12
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	52,072.20	1,622.12
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	814.24	124.79
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,924.77	915.08
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	17,363.77	998.18
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	21,668.04	1,102.13
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	24,872.34	1,206.20
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	29,688.51	1,330.99
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	32,774.43	1,455.78
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	531.45	62.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	295.20	62.40
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	414.49	62.40
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	857.56	62.40

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*

Note: Rated by gross rated output.

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	48,501.47	1,580.44
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	54,680.41	1,746.91
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	59,821.72	1,830.02
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	64,545.42	1,913.25

23 52 16 23 Cast Iron Condensing Boilers *(23 52 16)*

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*

Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	17,113.51	790.29
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	25,022.01	998.18
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	41,051.79	1,164.52
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	53,879.48	1,497.34
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	71,780.42	1,746.91
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	78,285.69	1,830.02
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	99,575.95	1,996.37
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	108,814.01	2,038.05

23 52 23 Cast-Iron Boilers *(23 52)*

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	19,513.49	3,758.28
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	21,353.46	4,008.84
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	23,368.63	4,259.39
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	25,241.67	4,509.94
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	26,970.42	4,760.50
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	29,342.03	5,011.04
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	31,171.85	5,261.60
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	32,621.62	5,512.15
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	34,066.05	5,762.70
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	35,736.09	6,013.25

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	14,101.82	521.33
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	15,682.76	521.33
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	17,963.25	651.65
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	19,575.26	651.65
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	21,569.61	781.99
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	23,701.52	781.99
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	25,794.00	912.32
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	27,507.16	1,042.64
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	28,695.73	1,042.64
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	30,626.34	1,172.98

23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	20,437.21	3,758.28
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,442.31	4,008.84
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,357.75	4,259.39
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,498.91	4,509.94
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,261.99	4,760.50
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,842.87	5,011.04
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,460.15	5,261.60
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	34,032.54	5,512.15
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	35,478.61	5,762.70
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	37,192.79	6,013.25
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	15,025.53	521.33
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	16,771.61	521.33
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	18,952.36	651.65
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	20,832.50	651.65
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	22,861.18	781.99
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	25,202.36	781.99
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	27,082.30	912.32
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	28,918.08	1,042.64
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	30,108.29	1,042.64
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	32,083.03	1,172.98
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	31,848.35	5,637.42
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	35,200.63	5,981.94
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	39,354.13	6,326.45
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	43,011.69	6,670.95
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	46,189.59	7,015.47
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	50,802.70	7,359.97
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	54,010.69	7,704.48
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	56,846.70	8,048.99
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	60,638.67	8,393.50
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	63,685.28	8,738.01
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	68,636.82	9,082.52
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	71,534.80	9,427.02
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	74,609.67	9,771.54
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	78,037.73	10,116.04
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	80,823.72	10,460.56
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	25,816.89	912.32
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	29,281.03	1,042.64
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	33,565.89	1,172.98
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	37,319.41	1,303.31
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	40,085.66	1,303.31
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	44,815.20	1,433.64
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	47,615.78	1,433.64
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	50,563.32	1,563.97
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	53,949.20	1,563.97
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	57,107.66	1,694.31
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	60,166.31	1,824.63
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	62,657.90	1,824.63
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	65,845.74	1,954.96
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	68,865.40	1,954.96
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	71,798.14	2,085.30

23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	32,986.24	5,637.42
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	36,331.98	5,981.94
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	40,779.76	6,326.45
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	44,581.19	6,670.95
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	47,598.87	7,015.47
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	52,123.70	7,359.97
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	55,993.82	7,704.48
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	58,829.84	8,048.99
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	62,582.57	8,393.50
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	66,464.61	8,738.01
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	71,556.75	9,082.52
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	75,437.30	9,427.02
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	77,527.97	9,771.54
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	80,867.74	10,116.04
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	83,684.80	10,460.56

23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	26,954.78	912.32
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	30,412.38	1,042.64
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	34,975.17	1,172.98
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	38,888.91	1,303.31
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	41,498.21	1,303.31
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	46,136.20	1,433.64
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	49,598.92	1,433.64
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	52,546.46	1,563.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	55,893.10	1,563.97
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	59,895.16	1,694.31
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	63,086.24	1,824.63
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	64,925.51	1,824.63
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	68,764.04	1,954.96
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	71,695.41	1,954.96
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	74,626.52	2,085.30
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	87,473.70	10,961.66
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	94,875.70	11,588.04
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	101,631.07	12,214.43
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	108,244.41	12,840.80
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	114,919.60	13,467.18
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	123,382.34	14,093.56
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	129,668.85	14,719.94
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	135,749.96	15,346.32
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	145,681.42	15,972.71
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	151,759.02	16,599.09
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	156,965.20	17,225.47
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	166,548.64	17,851.85
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	172,677.22	18,478.23
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	182,482.02	19,104.60
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	188,936.41	19,730.99
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	196,003.78	20,357.37
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	202,066.59	20,983.75
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	208,305.24	21,610.13
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	79,227.85	1,694.31
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	86,414.63	1,824.63
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	92,950.75	1,954.96
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	99,349.47	2,085.30
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	105,284.16	2,085.30
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	111,529.40	2,215.63
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	117,076.61	2,215.63
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	122,940.72	2,345.96
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	132,133.77	2,345.96
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	137,996.23	2,476.29
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	142,462.77	2,476.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	151,832.25	2,606.63
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	157,220.88	2,606.63
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	166,838.88	2,736.95
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	172,523.43	2,736.95
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	179,371.82	2,867.28
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	184,696.68	2,867.28
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	190,717.74	2,997.62
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	82,595.15	10,961.66
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	89,997.16	11,588.04
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	99,011.96	12,214.43
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	105,035.10	12,840.80
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	111,308.11	13,467.18
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	119,321.24	14,093.56
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	125,911.85	14,719.94
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	131,996.23	15,346.32
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	143,095.01	15,972.71
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	149,174.24	16,599.09
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	155,251.82	17,225.47
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	166,560.09	17,851.85
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	172,688.66	18,478.23
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	182,756.68	19,104.60
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	189,209.44	19,730.99
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	196,136.21	20,357.37
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	202,199.01	20,983.75
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	208,447.48	21,610.13
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	74,084.46	1,694.31
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	81,271.24	1,824.63
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	90,066.78	1,954.96
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	95,875.31	2,085.30
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	101,407.81	2,085.30
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	107,203.45	2,215.63
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	113,054.76	2,215.63
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	118,918.87	2,345.96
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	129,282.50	2,345.96
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	135,143.32	2,476.29
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	140,484.54	2,476.29
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	151,578.84	2,606.63
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	156,967.47	2,606.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	166,816.00	2,736.95
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	172,531.61	2,736.95
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	179,239.39	2,867.28
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	184,564.26	2,867.28
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	190,595.12	2,997.62
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	89,007.23	10,961.66
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	96,410.87	11,588.04
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	103,584.77	12,214.43
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	110,363.24	12,840.80
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	117,000.83	13,467.18
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	124,150.74	14,093.56
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	132,220.93	14,719.94
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	138,704.23	15,346.32
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	148,892.36	15,972.71
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	154,969.96	16,599.09
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	160,290.59	17,225.47
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	169,985.20	17,851.85
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	177,748.68	18,478.23
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	188,429.78	19,104.60
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	194,835.13	19,730.99
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	202,206.59	20,357.37
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	208,271.03	20,983.75
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	214,514.59	21,610.13
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	80,880.74	1,694.31
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	88,069.15	1,824.63
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	95,028.71	1,954.96
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	101,589.29	2,085.30
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	107,486.37	2,085.30
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	112,417.15	2,215.63
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	119,748.04	2,215.63
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	126,012.70	2,345.96
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	135,465.69	2,345.96
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	141,324.88	2,476.29
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	145,907.51	2,476.29
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	155,388.16	2,606.63
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	162,413.32	2,606.63
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	172,874.94	2,736.95
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	178,543.13	2,736.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	185,693.97	2,867.28
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	191,020.48	2,867.28
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	197,048.07	2,997.62

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,678.92	741.24
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	10,654.26	823.60
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	12,254.68	988.32
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	15,568.78	1,029.50
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	18,299.28	1,235.41
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	22,473.06	1,482.49
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	25,485.92	1,564.85
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,214.38	1,688.38
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,740.59	1,770.74
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	32,955.10	1,811.93

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	33,386.42	1,482.49
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,640.11	1,688.38
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	44,375.31	1,811.93
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	62,606.28	2,059.01
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	65,719.20	2,306.09

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,919.09	665.13
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,913.48	831.09
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	19,233.39	998.30
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,759.09	998.30
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	24,511.29	1,247.88
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	28,369.46	1,247.88
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	30,921.60	1,247.88
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	33,344.80	1,497.46
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	39,435.97	1,747.03
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	14,405.00	914.20
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	15,510.10	823.60
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	17,246.10	988.32
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	18,305.82	1,121.97
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	20,334.50	1,235.41
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,870.78	1,329.75
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,988.70	1,482.49
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	29,039.36	1,564.85
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	30,811.60	1,688.38
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	36,838.84	1,729.57
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	36,963.63	1,770.74
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	43,256.38	1,811.93

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16			**Steel Water-Tube Boilers** *(23 52 33)*		
23 52 33 16-0001			Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)* Note: Compliant with BAAQMD.		
	23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	92,962.25	1,996.61
	23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	99,982.35	2,495.76
	23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	101,818.38	2,745.34
	23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	109,676.21	2,994.91
	23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	113,435.84	3,369.29
	23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	125,221.40	3,743.65
	23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	130,488.36	3,868.44
23 52 33 16-0009			Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)* Note: Compliant with BAAQMD.		
	23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	108,513.55	2,246.19
	23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	113,944.86	2,620.55
	23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	117,120.11	2,870.13
	23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	130,997.39	3,119.71
	23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	135,844.32	3,369.29
	23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	145,288.60	3,743.65
	23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	153,823.06	3,993.23
	23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	256,997.14	4,242.80
	23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	278,233.10	4,492.38
	23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	292,780.00	4,741.96
	23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	300,303.03	4,991.53
23 52 33 16-0021			Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)* Note: Compliant with BAAQMD.		
	23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	116,874.30	2,246.19
	23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	123,979.63	2,620.55
	23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	128,491.75	2,870.13
	23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	142,703.84	3,119.71
	23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	147,550.77	3,369.29
	23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	155,323.36	3,743.65
	23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	164,185.61	3,993.23
	23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	266,697.11	4,242.80
	23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	289,607.09	4,492.38
	23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	298,801.80	4,741.96
	23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	311,677.02	4,991.53
	23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	346,625.91	5,241.11
	23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	501,481.63	5,490.69
	23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	526,899.12	5,740.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	94,514.84	3,127.94
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	98,813.82	3,388.61
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,456.15	3,649.27
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	111,876.13	3,909.93
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	116,861.85	4,170.60
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	121,761.90	4,431.26
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	135,436.15	4,691.92
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	156,723.40	5,213.24
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	178,371.34	5,734.57
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	195,684.91	6,321.05
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	212,998.64	6,907.55
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	223,930.30	8,080.53
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	272,895.46	9,253.51
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	323,062.57	10,426.48
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	373,748.00	11,729.80
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	423,266.54	12,707.29

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,330.80	1,433.64
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,087.21	1,563.97
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,071.18	1,694.31
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,026.45	1,954.96
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,429.90	2,085.30
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,944.00	2,215.63
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,059.61	2,280.79
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,847.93	2,345.96
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,199.14	2,606.63
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,128.64	2,867.28
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,798.58	3,160.53
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,465.84	3,453.77
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,704.95	4,040.26
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,112.00	4,626.76
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,963.64	5,213.24
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,464.62	5,799.74
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	334,550.09	6,386.22
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	391,369.48	6,972.72
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	445,766.21	7,559.20
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	497,982.12	8,145.69
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	775,236.66	8,732.18
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	843,485.00	9,318.67

23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,821.48	1,433.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,163.22	1,563.97
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,632.05	1,694.31
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,945.98	1,954.96
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,796.52	2,085.30
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,640.95	2,215.63
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,233.91	2,280.79
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,399.34	2,345.96
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,315.91	2,606.63
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,255.71	2,867.28
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,939.38	3,160.53
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,620.37	3,453.77
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,866.36	4,040.26
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,311.18	4,626.76
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,176.56	5,213.24
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,718.75	5,799.74
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	334,859.16	6,386.22
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	391,733.50	6,972.72
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	446,181.74	7,559.20
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	498,449.17	8,145.69
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	775,974.95	8,732.18
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	844,292.67	9,318.67
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,742.12	1,433.64
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,680.03	1,563.97
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,883.79	1,694.31
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,522.47	1,954.96
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,644.31	2,085.30
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,760.04	2,215.63
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,620.87	2,280.79
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,482.61	2,345.96
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	129,061.97	2,606.63
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,664.57	2,867.28
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	160,870.24	3,160.53
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,069.80	3,453.77
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,604.26	4,040.26
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,553.26	4,626.76
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	243,064.27	5,213.24
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	286,241.14	5,799.74
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	347,747.72	6,386.22
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	406,892.06	6,972.72
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	463,514.15	7,559.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	517,859.27	8,145.69
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	806,854.51	8,732.18
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	877,917.29	9,318.67
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,174.75	1,563.97
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,070.27	1,694.31
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,511.26	1,954.96
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,568.70	2,085.30
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,795.17	2,215.63
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,338.11	2,280.79
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	140,329.89	2,345.96
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,556.63	2,606.63
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	164,134.35	2,867.28
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,600.18	3,160.53
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,780.88	3,453.77
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	218,839.80	4,040.26
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,794.83	4,626.76
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	274,638.30	5,213.24
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	306,423.93	5,799.74
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	371,282.29	6,386.22
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	434,568.28	6,972.72
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	495,156.87	7,559.20
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	553,300.21	8,145.69
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	863,232.51	8,732.18
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	939,309.75	9,318.67
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,608.56	1,563.97
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,679.87	1,694.31
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,860.71	1,954.96
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,148.88	2,085.30
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,427.51	2,215.63
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,451.24	2,280.79
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	137,136.08	2,345.96
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,697.43	2,606.63
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	164,285.45	2,867.28
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,761.58	3,160.53
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,949.15	3,453.77
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	219,042.42	4,040.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,031.78	4,626.76
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	274,892.44	5,213.24
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	306,708.97	5,799.74
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	371,629.14	6,386.22
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	434,976.95	6,972.72
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	495,623.92	7,559.20
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	553,822.21	8,145.69
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	864,059.99	8,732.18
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	940,211.55	9,318.67
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,045.74	1,563.97
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,298.42	1,694.31
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,649.47	1,954.96
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,483.68	2,085.30
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,311.79	2,215.63
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,884.99	2,280.79
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,459.09	2,345.96
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,542.44	2,606.63
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	170,652.46	2,867.28
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,516.65	3,160.53
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	187,913.71	3,453.77
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,497.42	4,040.26
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	264,887.94	4,626.76
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	285,476.64	5,213.24
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	318,522.62	5,799.74
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	386,052.78	6,386.22
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	451,938.46	6,972.72
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	515,016.85	7,559.20
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	575,540.09	8,145.69
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	898,611.21	8,732.18
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	977,829.91	9,318.67
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,536.58	1,563.97
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,457.43	1,694.31
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,288.43	1,954.96
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,856.07	2,085.30
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,568.70	2,215.63
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,542.86	2,280.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,989.90	2,345.96
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,335.09	2,606.63
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	180,024.39	2,867.28
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	197,444.47	3,160.53
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	214,861.88	3,453.77
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,168.38	4,040.26
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,396.59	4,626.76
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,872.71	5,213.24
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	351,150.95	5,799.74
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	427,263.18	6,386.22
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	500,401.89	6,972.72
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	570,427.67	7,559.20
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	637,602.95	8,145.69
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	997,334.63	8,732.18
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,085,323.69	9,318.67
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,833.67	1,563.97
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,088.29	1,694.31
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,280.72	1,954.96
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,134.04	2,085.30
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,977.83	2,215.63
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,566.71	2,280.79
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,802.96	2,345.96
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,482.76	2,606.63
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	180,192.67	2,867.28
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	197,629.92	3,160.53
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,064.50	3,453.77
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,377.87	4,040.26
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,654.16	4,626.76
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	298,150.88	5,213.24
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	351,480.64	5,799.74
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	427,664.99	6,386.22
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	500,875.81	6,972.72
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	570,966.84	7,559.20
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	638,207.37	8,145.69
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	998,295.89	8,732.18
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,086,374.15	9,318.67
23 52 39 13-0183		**150 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,905.53	1,563.97
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,114.86	1,694.31
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,831.88	1,954.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,035.49	2,085.30
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,229.56	2,215.63
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,172.17	2,280.79
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,112.24	2,345.96
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,654.02	2,606.63
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	187,222.47	2,867.28
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	205,336.27	3,160.53
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,450.81	3,453.77
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	235,138.51	4,040.26
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	286,368.86	4,626.76
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	309,703.53	5,213.24
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	365,159.06	5,799.74
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,423.88	6,386.22
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	520,581.25	6,972.72
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	593,498.62	7,559.20
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	663,441.88	8,145.69
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,038,436.35	8,732.18
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,130,082.20	9,318.67

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,559.27	1,559.35
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,194.75	1,837.08
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,786.80	1,901.43
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,069.69	1,971.21
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,601.82	2,106.68
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,120.99	2,282.80
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	17,031.25	2,438.61
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,519.87	2,777.30
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,464.44	2,980.52
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	23,119.37	3,183.73

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,308.35	1,329.45
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,777.32	1,559.35
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,017.57	1,837.08
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,969.21	1,901.43
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,202.88	1,971.21
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,880.01	2,106.68
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,562.88	2,282.80
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	21,116.58	2,438.61
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	23,210.94	2,611.47
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,969.62	2,777.30
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	26,711.61	2,980.52
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	28,815.17	3,183.73

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,917.87	1,837.08
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	16,782.18	2,104.64
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	22,075.39	2,408.80
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	26,532.93	2,778.65
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,165.61	2,980.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	29,723.46	3,183.73
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	33,110.70	3,658.04
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	42,717.56	4,200.08
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	55,341.32	4,853.09
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	69,965.45	5,570.85
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	89,509.33	6,409.46

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	35,150.40	1,083.82
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,947.94	1,151.56
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	36,865.86	1,219.30
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	35,611.28	1,287.04
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	48,331.68	1,354.78
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	50,874.66	1,422.52

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,452.74	136.86
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,919.01	171.07
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,482.27	205.28

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,452.74	136.86
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,737.42	153.96
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,898.80	171.07
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,987.43	188.17
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,482.27	205.28

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	246.91	33.94
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	282.71	37.34
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	306.39	40.73
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	421.02	44.13
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	454.81	47.52

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,281.62	119.75
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,430.86	136.86
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,804.45	153.96
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,278.78	188.17
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,498.78	205.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0008		**Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,540.28	119.75
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,782.50	136.86
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,951.51	153.96
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,323.76	171.07
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,482.90	188.17
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,672.58	205.28
23 54 16 13-0015		**Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,237.06	119.75
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,568.20	136.86
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,785.90	171.07
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,975.57	188.17
23 54 16 13-0020		**Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,936.37	119.75
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	3,093.71	136.86
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,445.08	153.96
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,763.80	188.17
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	4,034.32	205.28
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,035.05	119.75
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,145.91	136.86
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,394.21	153.96
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,414.42	153.96
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,634.41	171.07
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,777.60	188.17
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,945.06	205.28
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,414.64	119.75
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,547.73	136.86
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,769.75	153.96
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,771.77	153.96
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,945.28	171.07
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,997.53	188.17
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,219.55	205.28
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,434.85	119.75
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,553.79	136.86
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,860.69	153.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,048.35	171.07
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,433.38	102.63
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,808.83	128.37
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	2,200.98	102.63
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,352.40	111.26
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,332.04	119.75
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,402.73	128.37
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,487.76	128.37
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,088.54	266.86
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,436.98	328.44
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,890.55	472.14
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,387.97	533.72
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,115.09	615.84
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,614.34	739.00
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,389.39	985.33
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,462.77	266.86
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,805.62	328.44
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,396.97	472.14
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,985.62	533.72
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,146.55	615.84
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,733.31	739.00
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	7,446.91	985.33
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,926.32	136.86
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	4,176.06	188.17
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,820.17	222.38
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,551.95	188.17
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,591.81	222.38
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,937.60	188.17
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,674.67	222.38
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	232.24	34.21
23 54 19 00-0002	EA	1" Furnace External Filter Rack	70.23	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	633.57	

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001 Infrared Heaters-Radiant Energy *(23 55 23 13)*
Note: For spot localized or total heating, ceiling hung units, no fan required.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0002		**Gas Fired Electric Ignition Infrared Gas Heater** *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,146.99	135.48
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,266.90	149.02
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,355.14	149.02
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,699.70	178.83
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,714.57	178.83
23 55 23 13-0008		**Rolled Steel Or Aluminum Housing Infrared Electric Heater** *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,298.19	150.54
		For Stainless Steel Housing, Add	*210.51*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,388.87	150.54
		For Stainless Steel Housing, Add	*233.18*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,492.50	150.54
		For Stainless Steel Housing, Add	*259.08*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,617.09	150.54
		For Stainless Steel Housing, Add	*290.23*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,765.76	164.23
		For Stainless Steel Housing, Add	*323.40*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,886.22	177.91
		For Stainless Steel Housing, Add	*348.28*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	3,035.62	191.59
		For Stainless Steel Housing, Add	*621.92*	
23 55 23 13-0016		**Gas Fired Tubular Infrared Heater** *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		**"U" Package** *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	106.96	6.77
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	123.41	8.13
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	150.87	9.49
23 55 23 13-0021		**"S" Straight Package** *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	86.92	5.42
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	110.68	6.77
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	134.43	8.13
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 13		**Oil-Fired Unit Heaters** *(23 55 33)*		
23 55 33 13-0001		**Oil Fired Unit Heater** *(23 55 33 13)*		
23 55 33 13-0002		**Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase** *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,477.48	623.94
		For 3 Phase, 460 Volt, Add	*674.62*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,960.75	686.34
		For 3 Phase, 460 Volt, Add	*720.88*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,485.10	748.73
		For 3 Phase, 460 Volt, Add	*772.37*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		**Gas Fired Unit Heaters** *(23 55 33 16)*		
23 55 33 16-0002		**Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase** *(23 55 33 16-0001)* Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,940.77	233.98
		For 90 Percent Efficiency, Add	*828.40*	
		For Stainless Steel Heat Exchanger, Add	*216.37*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*95.20*	
		For 90 Degree, Downward Air Deflection Hood, Add	*142.19*	
		For 3 Phase, 460 Volt, Add	*319.00*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,204.29	280.77
		For 90 Percent Efficiency, Add	*885.33*	
		For Stainless Steel Heat Exchanger, Add	*231.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.43*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.75*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.96*	
		For 3 Phase, 460 Volt, Add	*340.92*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,256.09	280.77
		For Blower Unit Model, Add	*255.99*	
		For 90 Percent Efficiency, Add	*902.69*	
		For Stainless Steel Heat Exchanger, Add	*235.78*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.74*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.94*	
		For 3 Phase, 460 Volt, Add	*347.60*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,544.55	327.57
		For Blower Unit Model, Add	*274.50*	
		For 90 Percent Efficiency, Add	*967.96*	
		For Stainless Steel Heat Exchanger, Add	*252.83*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*111.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*166.14*	
		For 3 Phase, 460 Volt, Add	*372.74*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,890.98	374.36
		For Blower Unit Model, Add	*298.52*	
		For 90 Percent Efficiency, Add	*1,052.67*	
		For Stainless Steel Heat Exchanger, Add	*274.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.42*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.98*	
		For 90 Degree, Downward Air Deflection Hood, Add	*180.68*	
		For 3 Phase, 460 Volt, Add	*405.36*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,178.19	397.76
		For Blower Unit Model, Add	*321.36*	
		For 90 Percent Efficiency, Add	*1,133.22*	
		For Stainless Steel Heat Exchanger, Add	*295.99*	
		For 30 Degree, Downward Air Deflection Hood, Add	*81.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*130.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*194.51*	
		For 3 Phase, 460 Volt, Add	*436.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,308.79	397.76
		For Blower Unit Model, Add	*333.77*	
		For 90 Percent Efficiency, Add	*1,176.97*	
		For Stainless Steel Heat Exchanger, Add	*307.42*	
		For 30 Degree, Downward Air Deflection Hood, Add	*84.32*	
		For 60 Degree, Downward Air Deflection Hood, Add	*135.26*	
		For 90 Degree, Downward Air Deflection Hood, Add	*202.02*	
		For 3 Phase, 460 Volt, Add	*453.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,428.05	397.76
		For Blower Unit Model, Add	*345.10*	
		For 90 Percent Efficiency, Add	*1,216.92*	
		For Stainless Steel Heat Exchanger, Add	*317.85*	
		For 30 Degree, Downward Air Deflection Hood, Add	*87.18*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.86*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.88*	
		For 3 Phase, 460 Volt, Add	*468.61*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,020.94	421.16
		For Blower Unit Model, Add	*396.98*	
		For 90 Percent Efficiency, Add	*1,399.86*	
		For Stainless Steel Heat Exchanger, Add	*365.64*	
		For 30 Degree, Downward Air Deflection Hood, Add	*100.29*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.88*	
		For 90 Degree, Downward Air Deflection Hood, Add	*240.27*	
		For 3 Phase, 460 Volt, Add	*539.05*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,530.84	421.16
		For Blower Unit Model, Add	*445.42*	
		For 90 Percent Efficiency, Add	*1,570.68*	
		For Stainless Steel Heat Exchanger, Add	*410.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.53*	
		For 60 Degree, Downward Air Deflection Hood, Add	*180.51*	
		For 90 Degree, Downward Air Deflection Hood, Add	*269.59*	
		For 3 Phase, 460 Volt, Add	*604.83*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,953.68	421.16
		For Blower Unit Model, Add	*485.59*	
		For 90 Percent Efficiency, Add	*1,712.33*	
		For Stainless Steel Heat Exchanger, Add	*447.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*293.91*	
		For 3 Phase, 460 Volt, Add	*659.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,137.71	467.96
		For Blower Unit Model, Add	*589.16*	
		For 90 Percent Efficiency, Add	*2,077.57*	
		For Stainless Steel Heat Exchanger, Add	*542.65*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*238.77*	
		For 90 Degree, Downward Air Deflection Hood, Add	*356.60*	
		For 3 Phase, 460 Volt, Add	*800.02*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,095.33	467.96
		For Blower Unit Model, Add	*680.14*	
		For 90 Percent Efficiency, Add	*2,398.37*	
		For Stainless Steel Heat Exchanger, Add	*626.44*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.82*	
		For 60 Degree, Downward Air Deflection Hood, Add	*275.63*	
		For 90 Degree, Downward Air Deflection Hood, Add	*411.66*	
		For 3 Phase, 460 Volt, Add	*923.55*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,678.00	514.75
		For Blower Unit Model, Add	*726.61*	
		For 90 Percent Efficiency, Add	*2,562.24*	
		For Stainless Steel Heat Exchanger, Add	*669.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*183.56*	
		For 60 Degree, Downward Air Deflection Hood, Add	*294.47*	
		For 90 Degree, Downward Air Deflection Hood, Add	*439.79*	
		For 3 Phase, 460 Volt, Add	*986.66*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	778.99	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,049.95	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	23,538.80	2,167.65
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	31,718.90	2,303.13
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	42,734.31	2,847.02

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,738.32	338.70
		For Bronze Head And Tube Sheet, Add	*1,029.03*	
		For Copper Nickel Tubes, Add	*228.67*	
		For Double Wall Tube Bundles, Add	*343.01*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,004.68	338.70
		For Bronze Head And Tube Sheet, Add	*1,558.25*	
		For Copper Nickel Tubes, Add	*346.28*	
		For Double Wall Tube Bundles, Add	*519.42*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,034.88	474.17
		For Bronze Head And Tube Sheet, Add	*2,410.87*	
		For Copper Nickel Tubes, Add	*535.75*	
		For Double Wall Tube Bundles, Add	*803.62*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,521.69	474.17
		For Bronze Head And Tube Sheet, Add	*3,675.11*	
		For Copper Nickel Tubes, Add	*816.69*	
		For Double Wall Tube Bundles, Add	*1,225.04*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,539.13	558.17
		For Bronze Head And Tube Sheet, Add	*4,880.54*	
		For Copper Nickel Tubes, Add	*1,084.57*	
		For Double Wall Tube Bundles, Add	*1,626.85*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,484.03	705.80
		For Bronze Head And Tube Sheet, Add	*6,409.39*	
		For Copper Nickel Tubes, Add	*1,424.31*	
		For Double Wall Tube Bundles, Add	*2,136.46*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	20,357.74	1,059.35
		For Bronze Head And Tube Sheet, Add	*7,850.03*	
		For Copper Nickel Tubes, Add	*1,744.45*	
		For Double Wall Tube Bundles, Add	*2,616.68*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,820.99	1,059.35
		For Bronze Head And Tube Sheet, Add	*12,230.76*	
		For Copper Nickel Tubes, Add	*2,717.95*	
		For Double Wall Tube Bundles, Add	*4,076.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,317.33	338.70
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,737.80	338.70
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,648.79	406.43
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,380.00	440.30
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,356.57	440.30
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,798.00	474.17
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,597.01	474.17
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	19,283.53	541.91
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	23,591.53	609.65
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	24,479.32	609.65
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	30,309.81	715.06
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	36,581.04	786.44
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	42,230.64	857.82

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,261.01	338.70
		For Copper Nickel Tubes, Add	*280.94*	
		For Double Wall Tube Bundles, Add	*421.41*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,527.36	338.70
		For Copper Nickel Tubes, Add	*398.55*	
		For Double Wall Tube Bundles, Add	*597.82*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,753.57	474.17
		For Copper Nickel Tubes, Add	*607.62*	
		For Double Wall Tube Bundles, Add	*911.43*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,658.11	474.17
		For Copper Nickel Tubes, Add	*875.49*	
		For Double Wall Tube Bundles, Add	*1,313.24*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,958.39	541.91
		For Copper Nickel Tubes, Add	*1,078.03*	
		For Double Wall Tube Bundles, Add	*1,617.05*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,930.51	541.91
		For Copper Nickel Tubes, Add	*1,450.44*	
		For Double Wall Tube Bundles, Add	*2,175.66*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,746.20	529.68
		For Copper Nickel Tubes, Add	*1,803.25*	
		For Double Wall Tube Bundles, Add	*2,704.88*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	24,556.21	529.68
		For Copper Nickel Tubes, Add	*2,247.53*	
		For Double Wall Tube Bundles, Add	*3,371.30*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	31,395.90	529.68
		For Copper Nickel Tubes, Add	*2,874.75*	
		For Double Wall Tube Bundles, Add	*4,312.13*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,686.75	270.96
		For Copper Nickel Tubes, Add	*314.48*	
		For Double Wall Tube Bundles, Add	*471.73*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,797.32	451.54
		For Copper Nickel Tubes, Add	*889.41*	
		For Double Wall Tube Bundles, Add	*1,334.12*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,199.68	589.06
		For Copper Nickel Tubes, Add	*1,202.37*	
		For Double Wall Tube Bundles, Add	*1,803.55*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	14,167.33	713.02
		For Copper Nickel Tubes, Add	*1,274.42*	
		For Double Wall Tube Bundles, Add	*1,911.64*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	17,085.94	841.26
		For Copper Nickel Tubes, Add	*1,537.63*	
		For Double Wall Tube Bundles, Add	*2,306.45*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0001		**Reciprocating Open Type Refrigerant Compressors** *(23 61 16)* Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	951.25	128.51
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,142.76	128.51
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,558.11	160.58
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,953.10	160.58
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,192.49	160.58
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,219.31	167.06
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,233.27	167.06
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,454.47	179.91
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,639.78	192.76
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,880.91	205.61
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,291.86	205.61
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,700.57	218.47
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,774.18	231.32
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,834.88	237.68
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,359.31	1,244.25
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,285.32	1,421.93
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,211.51	1,599.74
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	14,986.34	1,732.93
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,761.59	1,866.36
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,513.90	2,239.63
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,222.09	2,407.18
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	31,750.05	2,545.05
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	41,815.51	2,871.36
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	49,509.60	2,946.67
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	62,256.03	3,021.85
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	65,434.62	3,059.56
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	68,478.89	3,097.15
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	74,175.21	3,172.34
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	79,342.28	3,247.76
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	84,652.84	3,604.83
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	88,761.73	3,685.51
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	92,292.16	3,732.42
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	95,394.09	3,847.89
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	97,915.26	3,928.57
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	100,476.01	4,036.22
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	102,939.19	4,079.62
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	105,439.91	4,147.14
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	108,274.42	4,426.82
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	111,042.25	4,665.46
23 61 16 00-0041		**Reciprocating Hermetic Type Refrigerant Compressors** *(23 61 16)* Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.		
23 61 16 00-0042		**Reciprocating Hermetic Type Refrigerant Compressors <5 Tons** *(23 61 16 00-0041)*		
23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,637.43	128.51
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,696.18	128.51
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,819.18	160.58
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,877.89	160.58
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,907.27	160.58
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,967.12	167.06
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,031.74	167.06
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,180.78	179.91
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,323.99	192.76
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,525.88	205.61
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,643.38	205.61
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,845.28	218.47
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,399.68	231.32
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,735.58	237.68
23 61 16 00-0057		**Reciprocating Hermetic Type Refrigerant Compressors** *(23 61 16 00-0041)*		
23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	4,562.68	639.90
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,919.34	799.87
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,099.47	973.78
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,302.82	1,119.82
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,313.84	1,244.25
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,619.29	1,399.77
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	30,669.46	1,599.74
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,705.73	1,599.74
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	49,102.54	1,866.36
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	55,338.41	1,999.68
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	58,479.44	2,095.63
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	60,093.15	2,199.17
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	61,829.85	2,207.69
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	64,952.35	2,311.57
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	68,111.65	2,407.18

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,651.85	205.37
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,732.00	218.59
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,774.41	231.20
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,809.12	237.80
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,241.35	300.25
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	4,267.72	450.38
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,883.00	525.44
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,470.88	600.51
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,611.82	720.61
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,795.90	810.68
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	9,143.90	900.75
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,886.74	1,201.01
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	14,528.49	1,501.26
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	15,534.26	1,801.50

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	69,939.79	3,059.56
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	72,103.58	3,097.15
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	76,798.92	3,172.34
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	81,442.46	3,247.76
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	87,559.57	3,604.83
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	93,005.16	3,685.51
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	98,350.22	3,732.42
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	103,841.96	3,847.89
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	109,290.67	3,928.57
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	116,972.53	4,036.22
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	122,345.76	4,079.62
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	124,823.36	4,147.14
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	140,255.76	4,426.82
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	155,523.35	4,665.46

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,892.19	1,109.72
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,386.51	1,189.00
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	30,457.53	1,268.26
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	36,065.31	1,347.52
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,770.63	1,426.80
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,400.97	1,585.32
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	48,747.96	1,749.97
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,545.01	2,063.98
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	56,069.56	2,235.99
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	64,250.65	2,407.98
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	72,635.33	2,665.98
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	76,767.25	2,772.09
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	86,660.94	2,945.34
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	94,715.50	3,118.60

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,537.75	1,109.72
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,369.14	1,189.00
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,931.06	1,268.26
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,844.52	1,347.52
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,757.99	1,426.80
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,889.18	1,585.32
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	37,214.46	1,749.97
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,798.28	2,063.98
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,602.01	2,235.99
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	58,003.90	2,407.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,707.04	2,665.98
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	70,650.92	2,772.09
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	77,494.11	2,945.34
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	88,353.76	3,118.60
23 62 13 00-0031		Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*		
		Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	56,755.62	10,028.30
		For Gas Fired Engine Driven, Add	*9,847.64*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	64,219.44	10,570.35
		For Gas Fired Engine Driven, Add	*11,259.13*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	74,687.48	11,502.92
		For Gas Fired Engine Driven, Add	*13,212.91*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	83,625.78	12,221.93
		For Gas Fired Engine Driven, Add	*14,892.79*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	104,870.10	13,486.26
		For Gas Fired Engine Driven, Add	*18,952.09*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	115,871.25	13,967.85
		For Gas Fired Engine Driven, Add	*21,080.11*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	125,947.20	15,042.32
		For Gas Fired Engine Driven, Add	*22,934.21*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	153,524.14	16,094.77
		For Gas Fired Engine Driven, Add	*28,261.67*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	155,365.46	16,414.91
		For Gas Fired Engine Driven, Add	*28,612.08*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	158,098.25	17,128.67
		For Gas Fired Engine Driven, Add	*29,051.63*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	175,658.24	17,907.27
		For Gas Fired Engine Driven, Add	*32,446.90*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	194,572.27	18,760.03
		For Gas Fired Engine Driven, Add	*36,101.87*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	215,965.58	19,697.97
		For Gas Fired Engine Driven, Add	*40,239.90*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	233,643.87	20,734.74
		For Gas Fired Engine Driven, Add	*43,620.12*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	258,045.22	21,886.63
		For Gas Fired Engine Driven, Add	*48,327.69*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001		Water Cooled Condensing Units *(23 62 23)*		
		Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,699.17	867.27
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	13,192.59	1,266.60
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	15,101.81	1,372.67
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,724.67	1,647.21
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	20,232.70	1,937.96
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	42,840.41	2,875.91
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	53,165.00	3,470.97
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	73,490.10	3,797.78

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001		Air-Cooled Condensing Units *(23 63 13)*		
		Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,746.91	867.27
		For >10 To 25, Deduct	*-193.00*	
		For >25 To 50, Deduct	*-321.67*	
		For >50, Deduct	*-514.67*	
		For Low Ambient Protection, 0 Degree F, Add	*1,164.73*	
		For Winter Start Control, Add	*388.69*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,279.88	1,029.50
		For >10 To 25, Deduct	*-231.60*	
		For >25 To 50, Deduct	*-386.00*	
		For >50, Deduct	*-617.60*	
		For Low Ambient Protection, 0 Degree F, Add	*1,007.57*	
		For Winter Start Control, Add	*310.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	12,075.01	1,266.60
		For >10 To 25, Deduct	*-304.66*	
		For >25 To 50, Deduct	*-507.76*	
		For >50, Deduct	*-812.42*	
		For Low Ambient Protection, 0 Degree F, Add	*1,190.82*	
		For Winter Start Control, Add	*395.09*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,975.57	1,317.77
		For >10 To 25, Deduct	*-389.37*	
		For >25 To 50, Deduct	*-648.95*	
		For >50, Deduct	*-1,038.32*	
		For Low Ambient Protection, 0 Degree F, Add	*1,407.68*	
		For Winter Start Control, Add	*459.24*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,882.53	1,372.67
		For >10 To 25, Deduct	*-474.08*	
		For >25 To 50, Deduct	*-790.14*	
		For >50, Deduct	*-1,264.22*	
		For Low Ambient Protection, 0 Degree F, Add	*1,468.12*	
		For Winter Start Control, Add	*366.01*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	23,065.20	1,647.21
		For >10 To 25, Deduct	*-617.08*	
		For >25 To 50, Deduct	*-1,028.47*	
		For >50, Deduct	*-1,645.56*	
		For Low Ambient Protection, 0 Degree F, Add	*1,858.11*	
		For Winter Start Control, Add	*455.27*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	26,257.01	1,771.99
		For >10 To 25, Deduct	*-707.24*	
		For >25 To 50, Deduct	*-1,178.73*	
		For >50, Deduct	*-1,885.96*	
		For Low Ambient Protection, 0 Degree F, Add	*1,967.22*	
		For Winter Start Control, Add	*503.99*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	30,127.95	1,934.22
		For >10 To 25, Deduct	*-816.04*	
		For >25 To 50, Deduct	*-1,360.07*	
		For >50, Deduct	*-2,176.11*	
		For Low Ambient Protection, 0 Degree F, Add	*2,091.71*	
		For Winter Start Control, Add	*564.67*	
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	41,480.48	2,287.66
		For >10 To 25, Deduct	*-1,138.57*	
		For >25 To 50, Deduct	*-1,897.62*	
		For >50, Deduct	*-3,036.20*	
		For Low Ambient Protection, 0 Degree F, Add	*2,779.63*	
		For Winter Start Control, Add	*732.33*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	50,353.80	2,875.91
		For >10 To 25, Deduct	*-1,377.56*	
		For >25 To 50, Deduct	*-2,295.93*	
		For >50, Deduct	*-3,673.48*	
		For Low Ambient Protection, 0 Degree F, Add	*2,945.55*	
		For Winter Start Control, Add	*673.12*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	58,049.59	3,174.12
		For >10 To 25, Deduct	*-1,598.51*	
		For >25 To 50, Deduct	*-2,664.18*	
		For >50, Deduct	*-4,262.69*	
		For Low Ambient Protection, 0 Degree F, Add	*3,322.83*	
		For Winter Start Control, Add	*743.01*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	75,299.36	3,470.97
		For >10 To 25, Deduct	*-2,098.39*	
		For >25 To 50, Deduct	*-3,497.32*	
		For >50, Deduct	*-5,595.72*	
		For Low Ambient Protection, 0 Degree F, Add	*4,136.08*	
		For Winter Start Control, Add	*885.02*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	104,028.04	3,125.24
		For >10 To 25, Deduct	*-2,929.98*	
		For >25 To 50, Deduct	*-4,883.30*	
		For >50, Deduct	*-7,813.28*	
		For Low Ambient Protection, 0 Degree F, Add	*4,520.49*	
		For Winter Start Control, Add	*1,124.53*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	128,336.37	3,231.18
		For >10 To 25, Deduct	*-3,652.76*	
		For >25 To 50, Deduct	*-6,087.93*	
		For >50, Deduct	*-9,740.69*	
		For Low Ambient Protection, 0 Degree F, Add	*5,297.19*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,748.54	445.10
		For >10 To 25, Deduct	*-62.43*	
		For >25 To 50, Deduct	*-104.05*	
		For >50, Deduct	*-166.47*	
		For 15 SEER, Add	*499.42*	
		For 16 SEER, Add	*853.17*	
		For 18 SEER, Add	*1,789.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,955.30	494.79
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-66.40*	
		For >25 To 50, Deduct	*-110.67*	
		For >50, Deduct	*-177.08*	
		For 15 SEER, Add	*531.24*	
		For 16 SEER, Add	*907.53*	
		For 18 SEER, Add	*1,903.59*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,135.10	544.28
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-69.57*	
		For >25 To 50, Deduct	*-115.96*	
		For >50, Deduct	*-185.53*	
		For 15 SEER, Add	*556.58*	
		For 16 SEER, Add	*950.83*	
		For 18 SEER, Add	*1,994.43*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,602.56	593.46
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-81.37*	
		For >25 To 50, Deduct	*-135.62*	
		For >50, Deduct	*-216.99*	
		For 15 SEER, Add	*650.97*	
		For 16 SEER, Add	*1,112.07*	
		For 18 SEER, Add	*2,332.63*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,813.82	643.24
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-85.48*	
		For >25 To 50, Deduct	*-142.47*	
		For >50, Deduct	*-227.96*	
		For 15 SEER, Add	*683.87*	
		For 16 SEER, Add	*1,168.27*	
		For 18 SEER, Add	*2,450.52*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,252.04	692.72
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-96.40*	
		For >25 To 50, Deduct	*-160.67*	
		For >50, Deduct	*-257.08*	
		For 15 SEER, Add	*771.24*	
		For 16 SEER, Add	*1,317.53*	
		For 18 SEER, Add	*2,763.59*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,801.40	741.82
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-110.66*	
		For >25 To 50, Deduct	*-184.43*	
		For >50, Deduct	*-295.09*	
		For 15 SEER, Add	*885.28*	
		For 16 SEER, Add	*1,512.35*	
		For 18 SEER, Add	*3,172.25*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	456.17
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,710.65
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,621.60

23 63 23 Water-Cooled Refrigerant Condensers *(23 63)*

23 63 23 00-0001 Water Cooled Condensers *(23 63 23)*

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	23,351.88	472.00
		For Saddle Legs, Add	*1,799.59*	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	30,326.94	634.14
		For Saddle Legs, Add	*2,334.61*	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	39,744.06	792.66
		For Saddle Legs, Add	*3,064.17*	
		For Dual Compressor, Add	*1,927.15*	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	41,511.90	964.40
		For Saddle Legs, Add	*3,183.96*	
		For Dual Compressor, Add	*2,002.49*	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type	49,463.56	1,233.44
		For Saddle Legs, Add	*3,783.83*	
		For Dual Compressor, Add	*2,379.77*	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type	56,538.50	1,387.16
		For Saddle Legs, Add	*4,327.72*	
		For Dual Compressor, Add	*2,721.84*	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type	68,963.00	1,585.32
		For Saddle Legs, Add	*5,291.60*	
		For Dual Compressor, Add	*3,328.05*	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type	85,304.11	1,849.54
		For Saddle Legs, Add	*6,558.89*	
		For Dual Compressor, Add	*4,125.09*	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type	137,988.49	2,386.40
		For Saddle Legs, Add	*10,682.74*	
		For Dual Compressor, Add	*6,718.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 23 00-0011	EA	120 Ton Water Cooled Condenser, Shell And Tube Type	158,177.67	2,615.43
		For Saddle Legs, Add	*12,260.08*	
		For Dual Compressor, Add	*7,710.74*	
23 63 23 00-0012	EA	150 Ton Water Cooled Condenser, Shell And Tube Type	188,287.24	2,845.18
		For Saddle Legs, Add	*14,626.09*	
		For Dual Compressor, Add	*9,198.80*	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	223,136.72	13,681.70
		For Two Stage Unit, Add	*145,250.34*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	281,490.83	15,750.50
		For Two Stage Unit, Add	*184,443.18*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	356,334.05	16,931.78
		For Two Stage Unit, Add	*235,888.40*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	395,677.18	18,113.07
		For Two Stage Unit, Add	*262,483.57*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	441,596.97	18,638.09
		For Two Stage Unit, Add	*294,207.40*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	497,147.67	19,294.36
		For Two Stage Unit, Add	*332,567.87*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	532,975.39	19,950.63
		For Two Stage Unit, Add	*357,122.27*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	633,690.28	21,000.66
		For Two Stage Unit, Add	*426,782.66*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	708,963.95	21,656.94
		For Two Stage Unit, Add	*478,949.21*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	858,198.74	22,313.21
		For Two Stage Unit, Add	*582,888.54*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	930,379.18	23,888.26
		For Two Stage Unit, Add	*632,154.82*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	997,366.43	25,332.06
		For Two Stage Unit, Add	*677,890.85*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,069,124.87	26,696.09
		For Two Stage Unit, Add	*727,030.54*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,223,410.33	27,347.21
		For Two Stage Unit, Add	*834,457.36*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,339,812.52	28,909.92
		For Two Stage Unit, Add	*914,740.84*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,564,300.42	30,212.16
		For Two Stage Unit, Add	*1,070,840.55*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,827,945.87	31,123.73
		For Two Stage Unit, Add	*1,254,663.13*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	169,492.13	7,488.71
		For 208/230 Voltage Motor Rating, Add	*6,298.51*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	185,236.47	7,678.37
		For 208/230 Voltage Motor Rating, Add	*6,915.94*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	204,262.07	7,873.55
		For 208/230 Voltage Motor Rating, Add	*7,664.58*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	222,841.59	8,189.21
		For 208/230 Voltage Motor Rating, Add	*8,387.48*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	241,013.46	8,651.62
		For 208/230 Voltage Motor Rating, Add	*9,084.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller	258,521.38	9,101.43
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*9,756.06*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller	275,463.17	9,600.46
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*10,401.67*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller	291,722.27	10,073.89
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*11,021.61*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller	307,269.00	10,505.59
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*11,615.74*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller	322,026.32	10,846.45
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*12,184.13*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller	336,455.65	11,383.80
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*12,726.78*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller	350,084.02	11,822.98
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*13,243.69*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller	363,059.70	12,256.51
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*13,734.86*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller	375,234.94	12,592.26
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*14,200.30*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller	397,291.58	13,038.79
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*15,053.87*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller	416,512.37	13,322.30
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*15,804.49*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller	433,759.83	13,980.80
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*16,452.08*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller	448,449.28	14,649.28
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*16,996.71*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller	460,676.46	15,384.70
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*17,438.53*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller	489,303.99	16,126.94
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*18,535.94*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller	517,729.56	16,866.82
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*19,625.43*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller	546,067.57	17,677.70
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*20,706.85*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller	574,333.46	18,570.50
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*21,780.12*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller	601,806.18	19,302.18
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*22,845.24*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller	653,028.83	22,271.83
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*24,705.38*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller	702,338.58	25,249.94
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*26,488.45*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller	748,818.77	27,662.35
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*28,194.30*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller	791,895.03	29,147.70
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*29,822.94*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller	832,958.28	30,584.47
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*31,374.13*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller	871,235.53	31,471.04
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*32,848.87*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller	909,657.16	33,666.64
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*34,246.16*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller	945,268.92	35,308.90
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*35,566.23*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller	979,726.49	37,439.64
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	*36,809.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,010,996.27	38,776.79
		For 208/230 Voltage Motor Rating, Add	*37,974.88*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,076,538.39	40,971.73
		For 208/230 Voltage Motor Rating, Add	*40,551.75*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,135,177.95	43,429.98
		For 208/230 Voltage Motor Rating, Add	*42,646.35*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	32,383.49	1,973.16
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	47,481.15	1,998.46
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	51,821.54	2,137.59
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	57,015.62	2,289.38
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	57,939.28	2,441.15
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	61,133.92	2,618.24
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	69,911.13	2,833.26
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	75,079.26	3,073.58
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	79,285.94	3,162.12
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	82,809.44	3,301.26
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	85,590.62	3,415.09
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	98,751.09	3,845.14
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	106,292.10	4,211.95
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	108,232.82	4,224.59
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	114,532.28	4,237.24
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	120,665.60	4,249.88
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	126,875.17	4,262.54
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	133,403.25	4,275.19

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,911.50	2,417.66
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,942.81	2,490.69
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,969.96	2,734.27
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	62,689.45	3,491.96
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	69,352.66	3,826.84
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	72,864.81	4,228.17

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	114,202.77	4,844.37
		For Aluminum Fins Instead Of Copper, Deduct	*-1,604.14*	
		For 208/230 Voltage Motor Rating, Add	*4,277.70*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	122,741.23	5,261.77
		For Aluminum Fins Instead Of Copper, Deduct	*-1,722.92*	
		For 208/230 Voltage Motor Rating, Add	*4,594.45*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	129,112.15	5,489.44
		For Aluminum Fins Instead Of Copper, Deduct	*-1,813.17*	
		For 208/230 Voltage Motor Rating, Add	*4,835.12*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	133,894.45	5,906.84
		For Aluminum Fins Instead Of Copper, Deduct	*-1,875.61*	
		For 208/230 Voltage Motor Rating, Add	*5,001.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	143,691.03	6,197.76
		For Aluminum Fins Instead Of Copper, Deduct	*-2,016.11*	
		For 208/230 Voltage Motor Rating, Add	*5,376.28*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	152,684.09	6,324.24
		For Aluminum Fins Instead Of Copper, Deduct	*-2,147.97*	
		For 208/230 Voltage Motor Rating, Add	*5,727.91*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	161,167.41	6,539.26
		For Aluminum Fins Instead Of Copper, Deduct	*-2,270.47*	
		For 208/230 Voltage Motor Rating, Add	*6,054.59*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	166,318.24	6,678.39
		For Aluminum Fins Instead Of Copper, Deduct	*-2,344.51*	
		For 208/230 Voltage Motor Rating, Add	*6,252.03*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	175,611.05	6,817.53
		For Aluminum Fins Instead Of Copper, Deduct	*-2,480.68*	
		For 208/230 Voltage Motor Rating, Add	*6,615.14*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	183,302.18	7,032.56
		For Aluminum Fins Instead Of Copper, Deduct	*-2,591.30*	
		For 208/230 Voltage Motor Rating, Add	*6,910.13*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	193,286.83	7,310.82
		For Aluminum Fins Instead Of Copper, Deduct	*-2,734.81*	
		For 208/230 Voltage Motor Rating, Add	*7,292.82*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	202,032.58	7,462.60
		For Aluminum Fins Instead Of Copper, Deduct	*-2,862.77*	
		For 208/230 Voltage Motor Rating, Add	*7,634.05*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	216,548.80	7,589.09
		For Aluminum Fins Instead Of Copper, Deduct	*-3,077.48*	
		For 208/230 Voltage Motor Rating, Add	*8,206.61*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	226,192.56	7,664.98
		For Aluminum Fins Instead Of Copper, Deduct	*-3,220.62*	
		For 208/230 Voltage Motor Rating, Add	*8,588.31*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	235,836.30	7,728.23
		For Aluminum Fins Instead Of Copper, Deduct	*-3,363.75*	
		For 208/230 Voltage Motor Rating, Add	*8,970.01*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	264,691.68	7,880.00
		For Aluminum Fins Instead Of Copper, Deduct	*-3,793.17*	
		For 208/230 Voltage Motor Rating, Add	*10,115.12*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	279,220.55	8,031.79
		For Aluminum Fins Instead Of Copper, Deduct	*-4,007.88*	
		For 208/230 Voltage Motor Rating, Add	*10,687.67*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	298,508.06	8,158.27
		For Aluminum Fins Instead Of Copper, Deduct	*-4,294.15*	
		For 208/230 Voltage Motor Rating, Add	*11,451.08*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	327,338.14	8,297.40
		For Aluminum Fins Instead Of Copper, Deduct	*-4,723.57*	
		For 208/230 Voltage Motor Rating, Add	*12,596.19*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	356,824.27	8,398.60
		For Aluminum Fins Instead Of Copper, Deduct	*-5,163.40*	
		For 208/230 Voltage Motor Rating, Add	*13,769.06*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	75,418.81	5,906.44
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,820.29	6,136.13
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,383.53	6,300.21
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	92,238.13	6,565.99
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	97,051.03	6,746.47
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	102,911.30	6,935.87
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,652.49	7,129.73
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	143,935.42	7,322.68
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,894.16	7,503.94
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	149,418.08	7,879.19
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	148,395.37	8,259.17
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	156,978.40	8,435.97
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,552.78	8,620.51
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	181,187.48	9,015.07
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	191,247.94	9,379.94
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	202,953.42	9,751.53
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	222,799.88	10,615.83
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	239,074.31	11,676.37
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	251,795.60	12,844.53

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16		**Closed-Circuit, Forced-Draft Cooling Towers** *(23 65 13)*			
23 65 13 16-0001		Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*			
23 65 13 16-0002		Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*			
		Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.			
23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		20,617.55	2,099.65
		For Counter Flow Type, Add		*1,310.11*	
		For Stainless Steel Cooling Tower, Add		*13,974.46*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		28,366.31	2,567.64
		For Counter Flow Type, Add		*1,840.04*	
		For Stainless Steel Cooling Tower, Add		*19,627.06*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		35,607.82	3,225.36
		For Counter Flow Type, Add		*2,281.65*	
		For Stainless Steel Cooling Tower, Add		*24,337.55*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		41,046.94	3,604.82
		For Counter Flow Type, Add		*2,644.05*	
		For Stainless Steel Cooling Tower, Add		*28,203.15*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		46,902.28	4,060.16
		For Counter Flow Type, Add		*3,028.17*	
		For Stainless Steel Cooling Tower, Add		*32,300.53*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		52,733.44	4,553.46
		For Counter Flow Type, Add		*3,406.70*	
		For Stainless Steel Cooling Tower, Add		*36,338.10*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		59,175.97	5,072.04
		For Counter Flow Type, Add		*3,827.28*	
		For Stainless Steel Cooling Tower, Add		*40,824.28*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		64,699.33	5,717.11
		For Counter Flow Type, Add		*4,163.74*	
		For Stainless Steel Cooling Tower, Add		*44,413.23*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		70,509.13	6,349.54
		For Counter Flow Type, Add		*4,522.64*	
		For Stainless Steel Cooling Tower, Add		*48,241.44*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		77,303.25	7,513.19
		For Counter Flow Type, Add		*4,892.75*	
		For Stainless Steel Cooling Tower, Add		*52,189.28*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		84,039.50	8,322.70
		For Counter Flow Type, Add		*5,299.31*	
		For Stainless Steel Cooling Tower, Add		*56,525.93*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		88,562.20	8,853.93
		For Counter Flow Type, Add		*5,579.69*	
		For Stainless Steel Cooling Tower, Add		*59,516.72*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		93,852.96	9,372.53
		For Counter Flow Type, Add		*5,909.15*	
		For Stainless Steel Cooling Tower, Add		*63,030.90*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		98,979.29	9,827.87
		For Counter Flow Type, Add		*6,238.60*	
		For Stainless Steel Cooling Tower, Add		*66,545.07*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		104,840.67	10,283.21
		For Counter Flow Type, Add		*6,624.13*	
		For Stainless Steel Cooling Tower, Add		*70,657.41*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		111,066.07	10,839.75
		For Counter Flow Type, Add		*7,023.68*	
		For Stainless Steel Cooling Tower, Add		*74,919.29*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		118,119.95	11,396.28
		For Counter Flow Type, Add		*7,486.32*	
		For Stainless Steel Cooling Tower, Add		*79,854.09*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		124,966.55	11,876.92
		For Counter Flow Type, Add		*7,941.95*	
		For Stainless Steel Cooling Tower, Add		*84,714.12*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		131,825.80	12,357.56
		For Counter Flow Type, Add		*8,397.58*	
		For Stainless Steel Cooling Tower, Add		*89,574.15*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		144,798.05	12,876.15
		For Counter Flow Type, Add		*9,308.83*	
		For Stainless Steel Cooling Tower, Add		*99,294.22*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		158,891.83	13,382.09
		For Counter Flow Type, Add		*10,304.21*	
		For Stainless Steel Cooling Tower, Add		*109,911.53*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		164,600.75	13,660.36
		For Counter Flow Type, Add		*10,724.79*	
		For Stainless Steel Cooling Tower, Add		*114,397.71*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		171,431.20	13,837.43
		For Counter Flow Type, Add		*11,229.48*	
		For Stainless Steel Cooling Tower, Add		*119,781.14*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		179,460.48	14,545.75
		For Counter Flow Type, Add		*11,748.20*	
		For Stainless Steel Cooling Tower, Add		*125,314.10*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		188,798.22	15,254.06
		For Counter Flow Type, Add		*12,365.05*	
		For Stainless Steel Cooling Tower, Add		*131,893.83*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower		198,237.14	16,025.63
		For Counter Flow Type, Add		*12,981.90*	
		For Stainless Steel Cooling Tower, Add		*138,473.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	209,171.47	16,797.18
		For Counter Flow Type, Add	*13,710.90*	
		For Stainless Steel Cooling Tower, Add	*146,249.62*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	220,469.79	17,682.57
		For Counter Flow Type, Add	*14,453.93*	
		For Stainless Steel Cooling Tower, Add	*154,175.22*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	233,250.84	18,567.98
		For Counter Flow Type, Add	*15,309.11*	
		For Stainless Steel Cooling Tower, Add	*163,297.13*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,564.59	1,416.63
		For Polymer Coating Over Galvanized Components, Add	*1,265.95*	
		For Stainless Steel Support Structure, Add	*2,531.89*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,508.09	1,530.47
		For Polymer Coating Over Galvanized Components, Add	*1,530.91*	
		For Stainless Steel Support Structure, Add	*3,061.82*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,945.34	1,720.19
		For Polymer Coating Over Galvanized Components, Add	*1,854.76*	
		For Stainless Steel Support Structure, Add	*3,709.52*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,584.85	1,897.27
		For Polymer Coating Over Galvanized Components, Add	*2,060.84*	
		For Stainless Steel Support Structure, Add	*4,121.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,636.20	2,099.65
		For Polymer Coating Over Galvanized Components, Add	*2,473.01*	
		For Stainless Steel Support Structure, Add	*4,946.02*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,829.53	2,264.08
		For Polymer Coating Over Galvanized Components, Add	*2,915.96*	
		For Stainless Steel Support Structure, Add	*5,831.92*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	26,207.34	2,567.64
		For Polymer Coating Over Galvanized Components, Add	*3,356.23*	
		For Stainless Steel Support Structure, Add	*6,712.46*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	32,663.76	3,225.36
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	35,626.13	3,604.82
		For Polymer Coating Over Galvanized Components, Add	*4,474.97*	
		For Stainless Steel Support Structure, Add	*8,949.94*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	54,261.80	4,060.16
		For Polymer Coating Over Galvanized Components, Add	*7,160.28*	
		For Stainless Steel Support Structure, Add	*14,320.55*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	65,676.28	5,072.04
		For Polymer Coating Over Galvanized Components, Add	*8,629.60*	
		For Stainless Steel Support Structure, Add	*17,259.20*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	85,149.46	8,322.70
		For Polymer Coating Over Galvanized Components, Add	*10,765.11*	
		For Stainless Steel Support Structure, Add	*21,530.21*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	32,663.76	3,225.36
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	43,490.91	4,060.16
		For Polymer Coating Over Galvanized Components, Add	*5,544.64*	
		For Stainless Steel Support Structure, Add	*11,089.29*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	55,250.56	5,072.04
		For Polymer Coating Over Galvanized Components, Add	*7,065.74*	
		For Stainless Steel Support Structure, Add	*14,131.48*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	65,593.02	6,349.54
		For Polymer Coating Over Galvanized Components, Add	*8,307.85*	
		For Stainless Steel Support Structure, Add	*16,615.71*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	78,029.88	8,322.70
		For Polymer Coating Over Galvanized Components, Add	*9,697.17*	
		For Stainless Steel Support Structure, Add	*19,394.34*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	86,983.49	9,372.53
		For Polymer Coating Over Galvanized Components, Add	*10,787.87*	
		For Stainless Steel Support Structure, Add	*21,575.75*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	96,989.85	10,283.21
		For Polymer Coating Over Galvanized Components, Add	*12,070.64*	
		For Stainless Steel Support Structure, Add	*24,141.28*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	109,895.28	11,396.28
		For Polymer Coating Over Galvanized Components, Add	*13,738.94*	
		For Stainless Steel Support Structure, Add	*27,477.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	123,881.52	12,357.56
		For Polymer Coating Over Galvanized Components, Add	*15,603.51*	
		For Stainless Steel Support Structure, Add	*31,207.02*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	132,647.96	13,027.93
		For Polymer Coating Over Galvanized Components, Add	*16,795.15*	
		For Stainless Steel Support Structure, Add	*33,590.31*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	142,119.11	13,382.09
		For Polymer Coating Over Galvanized Components, Add	*18,092.50*	
		For Stainless Steel Support Structure, Add	*36,185.01*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	161,056.89	13,837.43
		For Polymer Coating Over Galvanized Components, Add	*20,902.82*	
		For Stainless Steel Support Structure, Add	*41,805.63*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	176,648.14	15,254.06
		For Polymer Coating Over Galvanized Components, Add	*22,907.58*	
		For Stainless Steel Support Structure, Add	*45,815.16*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	195,152.14	16,797.18
		For Polymer Coating Over Galvanized Components, Add	*25,318.91*	
		For Stainless Steel Support Structure, Add	*50,637.81*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,822.24	1,416.63
		For Polymer Coating Over Galvanized Components, Add	*1,004.59*	
		For Stainless Steel Support Structure, Add	*2,009.19*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,508.64	1,441.92
		For Polymer Coating Over Galvanized Components, Add	*1,103.76*	
		For Stainless Steel Support Structure, Add	*2,207.52*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,343.38	1,568.41
		For Polymer Coating Over Galvanized Components, Add	*1,198.61*	
		For Stainless Steel Support Structure, Add	*2,397.23*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,066.86	1,644.30
		For Polymer Coating Over Galvanized Components, Add	*1,440.06*	
		For Stainless Steel Support Structure, Add	*2,880.12*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,646.63	1,720.19
		For Polymer Coating Over Galvanized Components, Add	*1,659.95*	
		For Stainless Steel Support Structure, Add	*3,319.90*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,194.21	1,808.73
		For Polymer Coating Over Galvanized Components, Add	*1,871.22*	
		For Stainless Steel Support Structure, Add	*3,742.44*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,614.17	1,897.27
		For Polymer Coating Over Galvanized Components, Add	*2,065.24*	
		For Stainless Steel Support Structure, Add	*4,130.48*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,190.48	1,998.46
		For Polymer Coating Over Galvanized Components, Add	*2,280.82*	
		For Stainless Steel Support Structure, Add	*4,561.63*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,734.61	2,099.65
		For Polymer Coating Over Galvanized Components, Add	*2,487.77*	
		For Stainless Steel Support Structure, Add	*4,975.54*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,763.08	2,264.08
		For Polymer Coating Over Galvanized Components, Add	*2,905.99*	
		For Stainless Steel Support Structure, Add	*5,811.99*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,046.79	2,441.15
		For Polymer Coating Over Galvanized Components, Add	*3,358.71*	
		For Stainless Steel Support Structure, Add	*6,717.41*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,574.83	2,567.64
		For Polymer Coating Over Galvanized Components, Add	*3,561.35*	
		For Stainless Steel Support Structure, Add	*7,122.70*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,254.64	2,782.66
		For Polymer Coating Over Galvanized Components, Add	*3,763.99*	
		For Stainless Steel Support Structure, Add	*7,527.99*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,503.30	2,997.69
		For Polymer Coating Over Galvanized Components, Add	*3,901.96*	
		For Stainless Steel Support Structure, Add	*7,803.93*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,837.37	3,225.36
		For Polymer Coating Over Galvanized Components, Add	*4,147.72*	
		For Stainless Steel Support Structure, Add	*8,295.45*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,220.57	3,604.82
		For Polymer Coating Over Galvanized Components, Add	*4,264.14*	
		For Stainless Steel Support Structure, Add	*8,528.27*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,725.65	4,060.16
		For Polymer Coating Over Galvanized Components, Add	*4,979.85*	
		For Stainless Steel Support Structure, Add	*9,959.71*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	43,901.61	4,553.46
		For Polymer Coating Over Galvanized Components, Add	*5,488.62*	
		For Stainless Steel Support Structure, Add	*10,977.24*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	46,259.83	5,072.04
		For Polymer Coating Over Galvanized Components, Add	*5,717.13*	
		For Stainless Steel Support Structure, Add	*11,434.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	53,448.17	5,717.11
		For Polymer Coating Over Galvanized Components, Add	*6,639.81*	
		For Stainless Steel Support Structure, Add	*13,279.61*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	58,611.81	6,349.54
		For Polymer Coating Over Galvanized Components, Add	*7,260.67*	
		For Stainless Steel Support Structure, Add	*14,521.34*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	62,799.37	7,513.19
		For Polymer Coating Over Galvanized Components, Add	*7,609.91*	
		For Stainless Steel Support Structure, Add	*15,219.82*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	67,794.01	8,322.70
		For Polymer Coating Over Galvanized Components, Add	*8,161.79*	
		For Stainless Steel Support Structure, Add	*16,323.58*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	77,467.02	9,372.53
		For Polymer Coating Over Galvanized Components, Add	*9,360.40*	
		For Stainless Steel Support Structure, Add	*18,720.80*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	85,388.93	10,283.21
		For Polymer Coating Over Galvanized Components, Add	*10,330.50*	
		For Stainless Steel Support Structure, Add	*20,661.01*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	94,387.05	11,396.28
		For Polymer Coating Over Galvanized Components, Add	*11,412.71*	
		For Stainless Steel Support Structure, Add	*22,825.41*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	102,841.32	12,357.56
		For Polymer Coating Over Galvanized Components, Add	*12,447.48*	
		For Stainless Steel Support Structure, Add	*24,894.96*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	117,420.31	13,382.09
		For Polymer Coating Over Galvanized Components, Add	*14,387.68*	
		For Stainless Steel Support Structure, Add	*28,775.37*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	131,448.42	13,837.43
		For Polymer Coating Over Galvanized Components, Add	*16,461.55*	
		For Stainless Steel Support Structure, Add	*32,923.09*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	146,896.69	15,254.06
		For Polymer Coating Over Galvanized Components, Add	*18,444.86*	
		For Stainless Steel Support Structure, Add	*36,889.73*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	161,914.96	16,797.18
		For Polymer Coating Over Galvanized Components, Add	*20,333.33*	
		For Stainless Steel Support Structure, Add	*40,666.66*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	176,671.10	18,567.98
		For Polymer Coating Over Galvanized Components, Add	*22,131.25*	
		For Stainless Steel Support Structure, Add	*44,262.50*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	193,223.04	19,466.01
		For Polymer Coating Over Galvanized Components, Add	*24,403.44*	
		For Stainless Steel Support Structure, Add	*48,806.89*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	209,181.72	20,300.81
		For Polymer Coating Over Galvanized Components, Add	*26,598.03*	
		For Stainless Steel Support Structure, Add	*53,196.06*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	222,577.70	22,046.30
		For Polymer Coating Over Galvanized Components, Add	*28,197.62*	
		For Stainless Steel Support Structure, Add	*56,395.24*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	235,572.48	23,918.27
		For Polymer Coating Over Galvanized Components, Add	*29,706.67*	
		For Stainless Steel Support Structure, Add	*59,413.33*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	248,128.06	25,891.43
		For Polymer Coating Over Galvanized Components, Add	*31,125.17*	
		For Stainless Steel Support Structure, Add	*62,250.34*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	259,706.32	27,674.88
		For Polymer Coating Over Galvanized Components, Add	*32,444.51*	
		For Stainless Steel Support Structure, Add	*64,889.02*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	271,069.59	29,711.28
		For Polymer Coating Over Galvanized Components, Add	*33,668.99*	
		For Stainless Steel Support Structure, Add	*67,337.98*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	282,335.17	32,063.91
		For Polymer Coating Over Galvanized Components, Add	*34,802.93*	
		For Stainless Steel Support Structure, Add	*69,605.87*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	292,927.06	34,416.51
		For Polymer Coating Over Galvanized Components, Add	*35,837.71*	
		For Stainless Steel Support Structure, Add	*71,675.42*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	304,256.07	37,629.23
		For Polymer Coating Over Galvanized Components, Add	*36,781.94*	
		For Stainless Steel Support Structure, Add	*73,563.88*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	98,262.09	3,225.36
		For Induced Draft Counter Flow Type, Add	*4,653.81*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	111,373.58	3,579.52
		For Induced Draft Counter Flow Type, Add	*5,279.03*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	121,716.96	4,060.16
		For Induced Draft Counter Flow Type, Add	*5,759.52*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	135,299.42	5,072.04
		For Induced Draft Counter Flow Type, Add	*6,357.69*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	153,242.56	6,349.54
		For Induced Draft Counter Flow Type, Add	*7,151.76*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	175,924.34	8,322.70
		For Induced Draft Counter Flow Type, Add	*8,127.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	191,660.61	9,372.53
		For Induced Draft Counter Flow Type, Add	*8,829.81*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	207,169.20	10,283.21
		For Induced Draft Counter Flow Type, Add	*9,532.51*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	239,108.63	12,357.56
		For Induced Draft Counter Flow Type, Add	*10,962.53*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	270,088.59	13,382.09
		For Induced Draft Counter Flow Type, Add	*12,429.31*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	334,513.20	14,545.75
		For Induced Draft Counter Flow Type, Add	*15,524.06*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	434,214.18	18,567.98
		For Induced Draft Counter Flow Type, Add	*20,254.24*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	41,286.35	2,099.65
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	58,684.10	2,567.64
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	69,159.94	3,225.36
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	78,402.19	3,604.82
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	86,006.88	4,060.16
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	103,132.09	5,072.04
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	121,372.49	6,349.54
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	143,873.96	8,322.70
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	157,505.05	9,372.53
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	178,573.85	10,283.21
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	206,999.77	12,357.56
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	233,686.94	13,382.09
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	289,045.90	14,545.75
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	368,175.36	18,365.60

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	72,039.94	3,225.36
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,953.86	3,604.82
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	83,999.16	4,060.16
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	99,335.94	5,072.04
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	109,487.00	6,349.54

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,997.79	1,315.44
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,260.74	1,378.69
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,103.88	1,416.63
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,889.37	1,441.92
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,000.34	1,568.41
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,518.53	1,644.30
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,748.41	1,720.19
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,388.87	1,897.27
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,824.64	2,099.65
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,488.32	2,264.08
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,856.62	2,441.15
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	19,446.25	2,782.66
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	23,544.69	3,225.36
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,084.28	3,604.82
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	32,664.61	4,060.16
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,643.65	4,553.46
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	44,214.76	5,072.04
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,875.01	5,717.11
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	53,328.55	6,349.54
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	63,927.40	8,322.70
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,645.56	9,372.53
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	80,731.67	10,283.21
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	98,142.69	12,104.60
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	112,079.62	13,382.09
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	118,520.06	10,283.21
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	135,793.77	15,254.06
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	154,915.96	12,711.73

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0001		Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*		
		Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.		
23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,469.56	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,663.70	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,631.20	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,913.16	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,076.54	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,304.49	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,532.44	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,558.36	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,826.27	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,223.75	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,624.30	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,886.07	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	31,701.88	239.96
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	44,239.07	318.14
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	50,648.07	384.80
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	59,969.11	481.00
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	69,773.39	639.41
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	90,155.67	962.13
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	101,808.96	1,083.67
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	139,809.20	1,439.41
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	180,894.43	1,673.36

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	11,353.00	902.97
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,614.29	1,083.82
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,784.30	1,354.78
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	18,453.56	1,547.83
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	20,406.69	1,625.74
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	24,779.44	1,806.60
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	32,847.74	1,896.69
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	40,868.93	2,032.17
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	49,473.68	2,322.09
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	55,494.74	2,980.52
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	74,292.11	3,386.95
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	88,369.23	4,064.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 16		**Heat-Pipe Air-To-Air Energy-Recovery Equipment** *(23 72)*		
23 72 16 00-0001		Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*		
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	20,339.07	677.39
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,957.89	903.23
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	47,378.48	1,354.78
23 73		**Indoor Central-Station Air-Handling Units** *(23 70)*		
23 73 13		**Modular Indoor Central-Station Air-Handling Units** *(23 73)*		
		Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.		
23 73 13 00-0001		Single Zone Units *(23 73 13)*		
		Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,136.41	720.06
		For Flat Filter Box And Throwaway Filters, Add	*262.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*493.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*735.19*	
		For Manual Roll Filter, Add	*1,262.13*	
		For Automatic Roll Filter, Add	*1,367.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*629.80*	
		For Electric Heating Coil, Add	*1,051.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,051.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*945.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*840.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*683.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,262.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,156.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*840.58*	
		For Variable Air Volume, Add	*295.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,360.06*	
		For 2 Coils, Independent Circuits, Add	*355.80*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,962.51	864.08
		For Flat Filter Box And Throwaway Filters, Add	*434.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*832.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,242.07*	
		For Manual Roll Filter, Add	*2,174.35*	
		For Automatic Roll Filter, Add	*2,360.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,055.62*	
		For Electric Heating Coil, Add	*1,801.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,801.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,614.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,428.53*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,180.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,174.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,987.89*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,428.53*	
		For Variable Air Volume, Add	*522.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,503.39*	
		For 2 Coils, Independent Circuits, Add	*570.83*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,611.20	927.98
		For Flat Filter Box And Throwaway Filters, Add	*494.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*949.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,418.24*	
		For Manual Roll Filter, Add	*2,489.64*	
		For Automatic Roll Filter, Add	*2,703.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,203.96*	
		For Electric Heating Coil, Add	*2,061.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,061.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,846.80*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,632.52*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,351.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,489.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,275.36*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,632.52*	
		For Variable Air Volume, Add	*599.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,567.91*	
		For 2 Coils, Independent Circuits, Add	*646.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,332.60	997.16
		For Flat Filter Box And Throwaway Filters, Add	*562.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,081.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,614.83*	
		For Manual Roll Filter, Add	*2,841.80*	
		For Automatic Roll Filter, Add	*3,087.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,369.44*	
		For Electric Heating Coil, Add	*2,351.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,351.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,105.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,860.23*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,543.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,841.80*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,596.40*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,860.23*	
		For Variable Air Volume, Add	*687.10*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,637.32*	
		For 2 Coils, Independent Circuits, Add	*731.42*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,183.54	1,072.77
		For Flat Filter Box And Throwaway Filters, Add	*641.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,237.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,848.91*	
		For Manual Roll Filter, Add	*3,262.11*	
		For Automatic Roll Filter, Add	*3,544.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,566.27*	
		For Electric Heating Coil, Add	*2,696.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,696.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,414.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,131.55*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,772.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,262.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,979.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,131.55*	
		For Variable Air Volume, Add	*791.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,711.52*	
		For 2 Coils, Independent Circuits, Add	*831.41*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,176.12	1,152.87
		For Flat Filter Box And Throwaway Filters, Add	*735.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,421.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,123.45*	
		For Manual Roll Filter, Add	*3,755.76*	
		For Automatic Roll Filter, Add	*4,082.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,796.99*	
		For Electric Heating Coil, Add	*3,102.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,102.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,776.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,449.91*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,041.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,755.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,429.30*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,449.91*	
		For Variable Air Volume, Add	*914.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,792.84*	
		For 2 Coils, Independent Circuits, Add	*948.20*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,953.35	1,239.41
		For Flat Filter Box And Throwaway Filters, Add	*806.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,560.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,332.64*	
		For Manual Roll Filter, Add	*4,129.26*	
		For Automatic Roll Filter, Add	*4,488.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,973.31*	
		For Electric Heating Coil, Add	*3,410.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,410.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,051.29*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,691.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,244.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,129.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,769.94*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,691.96*	
		For Variable Air Volume, Add	*1,006.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,876.79*	
		For 2 Coils, Independent Circuits, Add	*1,039.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,795.38	1,335.72
		For Flat Filter Box And Throwaway Filters, Add	*884.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,711.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,557.06*	
		For Manual Roll Filter, Add	*4,528.97*	
		For Automatic Roll Filter, Add	*4,923.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,162.68*	
		For Electric Heating Coil, Add	*3,740.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,740.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,345.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,951.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,461.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,528.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,134.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,951.45*	
		For Variable Air Volume, Add	*1,104.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,799.26*	
		For 2 Coils, Independent Circuits, Add	*1,137.29*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,722.26	1,432.02
		For Flat Filter Box And Throwaway Filters, Add	*969.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,878.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,807.51*	
		For Manual Roll Filter, Add	*4,976.61*	
		For Automatic Roll Filter, Add	*5,410.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,373.69*	
		For Electric Heating Coil, Add	*4,108.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,108.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,675.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,241.33*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,705.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,976.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,542.79*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,241.33*	
		For Variable Air Volume, Add	*1,214.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,875.22*	
		For 2 Coils, Independent Circuits, Add	*1,245.75*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,576.44	1,539.26
		For Flat Filter Box And Throwaway Filters, Add	*1,047.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,029.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,033.15*	
		For Manual Roll Filter, Add	*5,377.53*	
		For Automatic Roll Filter, Add	*5,846.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,564.27*	
		For Electric Heating Coil, Add	*4,439.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,439.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,970.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,502.02*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,923.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,377.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,908.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,502.02*	
		For Variable Air Volume, Add	*1,312.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,959.41*	
		For 2 Coils, Independent Circuits, Add	*1,345.19*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,488.28	1,656.27
		For Flat Filter Box And Throwaway Filters, Add	*1,130.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,190.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,273.32*	
		For Manual Roll Filter, Add	*5,803.94*	
		For Automatic Roll Filter, Add	*6,310.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,767.20*	
		For Electric Heating Coil, Add	*4,791.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,791.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,285.57*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,779.44*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,155.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,803.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,297.81*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,779.44*	
		For Variable Air Volume, Add	*1,417.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,051.20*	
		For 2 Coils, Independent Circuits, Add	*1,451.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,526.33	1,917.16
		For Flat Filter Box And Throwaway Filters, Add	*1,315.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,549.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,810.16*	
		For Manual Roll Filter, Add	*6,757.07*	
		For Automatic Roll Filter, Add	*7,346.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,220.78*	
		For Electric Heating Coil, Add	*5,578.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,578.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,988.92*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,399.54*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,673.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,757.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,167.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,399.54*	
		For Variable Air Volume, Add	*1,650.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,256.29*	
		For 2 Coils, Independent Circuits, Add	*1,688.39*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,213.72	2,060.27
		For Flat Filter Box And Throwaway Filters, Add	*1,374.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,660.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,975.30*	
		For Manual Roll Filter, Add	*7,042.71*	
		For Automatic Roll Filter, Add	*7,656.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,361.82*	
		For Electric Heating Coil, Add	*5,815.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,815.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,202.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,588.78*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,828.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,042.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,429.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,588.78*	
		For Variable Air Volume, Add	*1,717.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,369.24*	
		For 2 Coils, Independent Circuits, Add	*1,766.77*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,914.83	2,214.18
		For Flat Filter Box And Throwaway Filters, Add	*1,433.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,771.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,141.82*	
		For Manual Roll Filter, Add	*7,329.74*	
		For Automatic Roll Filter, Add	*7,967.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,504.24*	
		For Electric Heating Coil, Add	*6,054.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,054.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,416.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,779.40*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,983.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,329.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,692.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,779.40*	
		For Variable Air Volume, Add	*1,785.24*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,489.73*	
		For 2 Coils, Independent Circuits, Add	*1,846.52*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,456.27	2,556.22
		For Flat Filter Box And Throwaway Filters, Add	*1,562.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,016.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,506.30*	
		For Manual Roll Filter, Add	*7,957.14*	
		For Automatic Roll Filter, Add	*8,647.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,816.13*	
		For Electric Heating Coil, Add	*6,576.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,576.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,886.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,196.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,323.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,957.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,266.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,196.47*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,401.16*	
		For 2 Coils, Independent Circuits, Add	*2,021.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,456.27	2,556.22
		For Flat Filter Box And Throwaway Filters, Add	*1,562.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,016.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,506.30*	
		For Manual Roll Filter, Add	*7,957.14*	
		For Automatic Roll Filter, Add	*8,647.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,816.13*	
		For Electric Heating Coil, Add	*6,576.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,576.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,886.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,196.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,323.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,957.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,266.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,196.47*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,401.16*	
		For 2 Coils, Independent Circuits, Add	*2,021.69*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,137.87	2,936.05
		For Flat Filter Box And Throwaway Filters, Add	*1,704.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,282.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,902.33*	
		For Manual Roll Filter, Add	*8,638.00*	
		For Automatic Roll Filter, Add	*9,385.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,155.19*	
		For Electric Heating Coil, Add	*7,143.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,143.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,396.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,649.46*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,692.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,638.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,890.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,649.46*	
		For Variable Air Volume, Add	*2,091.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,618.07*	
		For 2 Coils, Independent Circuits, Add	*2,212.64*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,107.75	3,185.37
		For Flat Filter Box And Throwaway Filters, Add	*1,783.20*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,429.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,122.01*	
		For Manual Roll Filter, Add	*9,011.05*	
		For Automatic Roll Filter, Add	*9,788.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,344.20*	
		For Electric Heating Coil, Add	*7,455.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,455.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,677.63*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,899.82*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,894.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,011.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,233.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,899.82*	
		For Variable Air Volume, Add	*2,177.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,760.63*	
		For 2 Coils, Independent Circuits, Add	*2,321.90*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,058.71	3,422.09
		For Flat Filter Box And Throwaway Filters, Add	*1,861.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,576.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,339.80*	
		For Manual Roll Filter, Add	*9,382.21*	
		For Automatic Roll Filter, Add	*10,190.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,531.32*	
		For Electric Heating Coil, Add	*7,765.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,765.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,956.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,148.28*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,095.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,382.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,573.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,148.28*	
		For Variable Air Volume, Add	*2,263.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,895.62*	
		For 2 Coils, Independent Circuits, Add	*2,429.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,015.37	3,663.31
		For Flat Filter Box And Throwaway Filters, Add	*1,939.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,722.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,558.16*	
		For Manual Roll Filter, Add	*9,753.95*	
		For Automatic Roll Filter, Add	*10,593.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,719.01*	
		For Electric Heating Coil, Add	*8,075.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,075.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,236.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,397.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,296.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,753.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,914.79*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,397.32*	
		For Variable Air Volume, Add	*2,349.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,032.90*	
		For 2 Coils, Independent Circuits, Add	*2,537.20*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,117.66	3,943.23
		For Flat Filter Box And Throwaway Filters, Add	*2,030.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,891.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,808.62*	
		For Manual Roll Filter, Add	*10,179.68*	
		For Automatic Roll Filter, Add	*11,053.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,934.41*	
		For Electric Heating Coil, Add	*8,431.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,431.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,557.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,682.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,526.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,179.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,305.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,682.83*	
		For Variable Air Volume, Add	*2,447.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,193.36*	
		For 2 Coils, Independent Circuits, Add	*2,661.45*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,236.31	4,224.95
		For Flat Filter Box And Throwaway Filters, Add	*2,121.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,060.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,060.71*	
		For Manual Roll Filter, Add	*10,607.05*	
		For Automatic Roll Filter, Add	*11,516.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,151.44*	
		For Electric Heating Coil, Add	*8,788.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,788.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,879.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,969.98*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,758.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,607.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,697.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,969.98*	
		For Variable Air Volume, Add	*2,545.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,995.28*	
		For 2 Coils, Independent Circuits, Add	*2,787.34*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,388.76	4,549.75
		For Flat Filter Box And Throwaway Filters, Add	*2,213.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,232.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,316.18*	
		For Manual Roll Filter, Add	*11,037.80*	
		For Automatic Roll Filter, Add	*11,982.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,371.85*	
		For Electric Heating Coil, Add	*9,149.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,149.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,204.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,260.50*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,991.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,037.80*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,093.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,260.50*	
		For Variable Air Volume, Add	*2,644.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,130.68*	
		For 2 Coils, Independent Circuits, Add	*2,916.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,701.62	4,928.81
		For Flat Filter Box And Throwaway Filters, Add	*2,318.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,426.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,605.22*	
		For Manual Roll Filter, Add	*11,524.03*	
		For Automatic Roll Filter, Add	*12,507.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,621.45*	
		For Electric Heating Coil, Add	*9,556.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,556.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,572.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,588.98*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,253.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,524.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,540.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,588.98*	
		For Variable Air Volume, Add	*2,754.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,287.91*	
		For 2 Coils, Independent Circuits, Add	*3,063.67*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,983.45	5,262.36
		For Flat Filter Box And Throwaway Filters, Add	*2,422.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,619.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,891.15*	
		For Manual Roll Filter, Add	*12,007.16*	
		For Automatic Roll Filter, Add	*13,030.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,867.95*	
		For Electric Heating Coil, Add	*9,960.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,960.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,937.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,914.35*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,515.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,007.16*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,983.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,914.35*	
		For Variable Air Volume, Add	*2,864.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,435.83*	
		For 2 Coils, Independent Circuits, Add	*3,207.63*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,112.69	5,095.33
		For Flat Filter Box And Throwaway Filters, Add	*2,448.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,679.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,982.95*	
		For Manual Roll Filter, Add	*12,197.55*	
		For Automatic Roll Filter, Add	*13,240.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,940.03*	
		For Electric Heating Coil, Add	*10,111.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,111.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,068.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,025.87*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,620.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,197.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,154.63*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,025.87*	
		For Variable Air Volume, Add	*2,920.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,356.28*	
		For 2 Coils, Independent Circuits, Add	*3,228.44*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,327.03	5,653.12
		For Flat Filter Box And Throwaway Filters, Add	*2,528.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,815.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,183.26*	
		For Manual Roll Filter, Add	*12,496.46*	
		For Automatic Roll Filter, Add	*13,559.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,120.62*	
		For Electric Heating Coil, Add	*10,371.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,371.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,308.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,245.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,779.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,496.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,433.82*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,245.90*	
		For Variable Air Volume, Add	*2,975.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,602.27*	
		For 2 Coils, Independent Circuits, Add	*3,357.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,886.65	5,880.19
		For Flat Filter Box And Throwaway Filters, Add	*2,670.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,090.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,593.38*	
		For Manual Roll Filter, Add	*13,224.28*	
		For Automatic Roll Filter, Add	*14,350.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,467.20*	
		For Electric Heating Coil, Add	*10,971.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,971.92*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,845.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,719.56*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,175.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,224.28*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,098.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,719.56*	
		For Variable Air Volume, Add	*3,153.30*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,072.61*	
		For 2 Coils, Independent Circuits, Add	*3,539.14*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,526.60	6,107.92
		For Flat Filter Box And Throwaway Filters, Add	*2,816.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,370.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,011.53*	
		For Manual Roll Filter, Add	*13,960.12*	
		For Automatic Roll Filter, Add	*15,149.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,821.81*	
		For Electric Heating Coil, Add	*11,580.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,580.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,390.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,201.25*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,574.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,960.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,770.40*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,201.25*	
		For Variable Air Volume, Add	*3,331.21*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,146.45*	
		For 2 Coils, Independent Circuits, Add	*3,728.55*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	34,267.26	6,342.83
		For Flat Filter Box And Throwaway Filters, Add	*2,975.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,679.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,474.81*	
		For Manual Roll Filter, Add	*14,784.92*	
		For Automatic Roll Filter, Add	*16,046.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,212.79*	
		For Electric Heating Coil, Add	*12,260.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,260.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,998.86*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,736.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,023.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,784.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,522.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,736.83*	
		For Variable Air Volume, Add	*3,533.66*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,205.37*	
		For 2 Coils, Independent Circuits, Add	*3,931.53*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	36,079.68	6,578.01
		For Flat Filter Box And Throwaway Filters, Add	*3,138.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,994.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,945.27*	
		For Manual Roll Filter, Add	*15,616.89*	
		For Automatic Roll Filter, Add	*16,951.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,610.94*	
		For Electric Heating Coil, Add	*12,948.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,948.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,613.92*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,279.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,475.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,616.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,282.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,279.59*	
		For Variable Air Volume, Add	*3,736.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,278.64*	
		For 2 Coils, Independent Circuits, Add	*4,141.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	40,228.78	7,052.09
		For Flat Filter Box And Throwaway Filters, Add	*3,518.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,735.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,559.95*	
		For Manual Roll Filter, Add	*16,685.16*	
		For Automatic Roll Filter, Add	*17,589.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,037.71*	
		For Electric Heating Coil, Add	*7,640.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,067.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,559.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,052.54*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,041.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,082.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,574.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,559.95*	
		For Variable Air Volume, Add	*4,220.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,499.09*	
		For 2 Coils, Independent Circuits, Add	*4,625.84*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	44,638.35	7,600.23
		For Flat Filter Box And Throwaway Filters, Add	*3,919.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,511.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,899.22*	
		For Manual Roll Filter, Add	*18,635.29*	
		For Automatic Roll Filter, Add	*19,647.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,837.99*	
		For Electric Heating Coil, Add	*8,512.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,586.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,899.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,212.15*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,980.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,960.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,273.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,899.22*	
		For Variable Air Volume, Add	*4,723.82*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,641.94*	
		For 2 Coils, Independent Circuits, Add	*5,138.67*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	49,459.08	8,143.49
		For Flat Filter Box And Throwaway Filters, Add	*4,363.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,378.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,400.12*	
		For Manual Roll Filter, Add	*20,828.98*	
		For Automatic Roll Filter, Add	*21,963.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,727.59*	
		For Electric Heating Coil, Add	*9,483.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,290.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,400.12*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,509.27*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*10,036.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,072.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,181.80*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,400.12*	
		For Variable Air Volume, Add	*5,294.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,772.39*	
		For 2 Coils, Independent Circuits, Add	*5,702.24*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	60,901.73	8,770.33
		For Flat Filter Box And Throwaway Filters, Add	*5,463.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,552.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,184.55*	
		For Manual Roll Filter, Add	*26,408.72*	
		For Automatic Roll Filter, Add	*27,860.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,927.92*	
		For Electric Heating Coil, Add	*11,895.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,603.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,184.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,765.67*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,720.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,441.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,022.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,184.55*	
		For Variable Air Volume, Add	*6,772.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,926.74*	
		For 2 Coils, Independent Circuits, Add	*7,057.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	68,050.63	9,361.04
		For Flat Filter Box And Throwaway Filters, Add	*6,136.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,872.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,476.96*	
		For Manual Roll Filter, Add	*29,773.86*	
		For Automatic Roll Filter, Add	*31,414.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,273.82*	
		For Electric Heating Coil, Add	*13,367.58*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,211.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,476.96*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,742.58*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,340.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,680.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,945.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,476.96*	
		For Variable Air Volume, Add	*7,656.26*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,769.45*	
		For 2 Coils, Independent Circuits, Add	*7,898.82*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	74,558.61	10,080.46
		For Flat Filter Box And Throwaway Filters, Add	*6,736.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,040.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,497.14*	
		For Manual Roll Filter, Add	*32,725.21*	
		For Automatic Roll Filter, Add	*34,530.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,472.37*	
		For Electric Heating Coil, Add	*14,675.68*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,505.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,497.14*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,488.89*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,760.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,521.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,513.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,497.14*	
		For Variable Air Volume, Add	*8,423.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,924.02*	
		For 2 Coils, Independent Circuits, Add	*8,659.16*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	81,806.92	11,043.15
		For Flat Filter Box And Throwaway Filters, Add	*7,398.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,328.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,722.81*	
		For Manual Roll Filter, Add	*35,971.46*	
		For Automatic Roll Filter, Add	*37,956.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,797.54*	
		For Electric Heating Coil, Add	*16,120.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,031.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,722.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,414.39*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*17,324.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,648.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,339.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*24,722.81*	
		For Variable Air Volume, Add	*9,263.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,110.76*	
		For 2 Coils, Independent Circuits, Add	*9,504.06*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	88,050.11	11,611.10
		For Flat Filter Box And Throwaway Filters, Add	*7,976.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,454.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,672.69*	
		For Manual Roll Filter, Add	*38,822.72*	
		For Automatic Roll Filter, Add	*40,966.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,952.08*	
		For Electric Heating Coil, Add	*17,381.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*30,246.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,672.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,099.16*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,696.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*37,393.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,819.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*26,672.69*	
		For Variable Air Volume, Add	*10,005.90*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,251.91*	
		For 2 Coils, Independent Circuits, Add	*10,234.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	94,971.11	12,421.04
		For Flat Filter Box And Throwaway Filters, Add	*8,606.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,679.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,788.95*	
		For Manual Roll Filter, Add	*41,907.40*	
		For Automatic Roll Filter, Add	*44,222.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,213.85*	
		For Electric Heating Coil, Add	*18,757.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,647.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,788.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,930.58*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,182.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,364.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,505.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,788.95*	
		For Variable Air Volume, Add	*10,803.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,055.47*	
		For 2 Coils, Independent Circuits, Add	*11,040.46*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	102,505.66	13,411.26
		For Flat Filter Box And Throwaway Filters, Add	*9,292.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,010.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,087.07*	
		For Manual Roll Filter, Add	*45,255.89*	
		For Automatic Roll Filter, Add	*47,756.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,585.17*	
		For Electric Heating Coil, Add	*20,252.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,254.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,087.07*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,919.77*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,794.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*43,588.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,421.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*31,087.07*	
		For Variable Air Volume, Add	*11,668.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,224.96*	
		For 2 Coils, Independent Circuits, Add	*11,917.49*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	106,785.38	14,041.17
		For Flat Filter Box And Throwaway Filters, Add	*9,677.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,754.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,369.53*	
		For Manual Roll Filter, Add	*47,119.41*	
		For Automatic Roll Filter, Add	*49,722.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,354.94*	
		For Electric Heating Coil, Add	*21,090.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,707.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,369.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,031.33*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,692.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,384.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,045.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,369.53*	
		For Variable Air Volume, Add	*12,146.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,332.68*	
		For 2 Coils, Independent Circuits, Add	*12,413.82*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	110,820.41	14,581.22
		For Flat Filter Box And Throwaway Filters, Add	*10,041.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,458.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,583.71*	
		For Manual Roll Filter, Add	*48,884.85*	
		For Automatic Roll Filter, Add	*51,585.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,082.71*	
		For Electric Heating Coil, Add	*21,882.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,084.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*33,583.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,083.38*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*23,542.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,084.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*42,584.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*33,583.71*	
		For Variable Air Volume, Add	*12,600.94*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,431.72*	
		For 2 Coils, Independent Circuits, Add	*12,882.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	119,491.63	15,571.31
		For Flat Filter Box And Throwaway Filters, Add	*10,836.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,005.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,258.42*	
		For Manual Roll Filter, Add	*52,788.71*	
		For Automatic Roll Filter, Add	*55,705.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,672.86*	
		For Electric Heating Coil, Add	*23,617.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*41,120.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*36,258.42*	
		For Steam Heating Coil, Aluminum Fins, Add	*31,396.57*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*25,421.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,843.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,982.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*36,258.42*	
		For Variable Air Volume, Add	*13,613.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,611.83*	
		For 2 Coils, Independent Circuits, Add	*13,893.90*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	130,732.77	16,651.40
		For Flat Filter Box And Throwaway Filters, Add	*11,882.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,051.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,803.59*	
		For Manual Roll Filter, Add	*57,980.21*	
		For Automatic Roll Filter, Add	*61,187.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,765.40*	
		For Electric Heating Coil, Add	*25,903.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*45,149.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,803.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,457.53*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,920.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*55,841.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,495.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,803.59*	
		For Variable Air Volume, Add	*14,968.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,281.15*	
		For 2 Coils, Independent Circuits, Add	*15,211.70*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	143,329.84	18,001.51
		For Flat Filter Box And Throwaway Filters, Add	*13,047.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,322.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,736.33*	
		For Manual Roll Filter, Add	*63,730.61*	
		For Automatic Roll Filter, Add	*67,259.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*26,094.32*	
		For Electric Heating Coil, Add	*28,446.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,617.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,736.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,855.66*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,689.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*61,378.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*55,497.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,736.33*	
		For Variable Air Volume, Add	*16,465.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,471.64*	
		For 2 Coils, Independent Circuits, Add	*16,685.25*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	157,353.64	19,531.64
		For Flat Filter Box And Throwaway Filters, Add	*14,337.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,836.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*48,085.62*	
		For Manual Roll Filter, Add	*70,083.80*	
		For Automatic Roll Filter, Add	*73,965.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*28,675.47*	
		For Electric Heating Coil, Add	*31,263.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*54,555.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*48,085.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*41,615.57*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*33,747.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*67,495.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*61,025.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*48,085.62*	
		For Variable Air Volume, Add	*18,116.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,695.26*	
		For 2 Coils, Independent Circuits, Add	*18,323.38*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,324.90	1,619.87
		For Economizer, Panel, Controls And Damper(s), Add	*2,259.57*	
		For Flat Filter Box And Throwaway Filters, Add	*816.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,564.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,984.17*	
		For Manual Roll Filter, Add	*4,087.54*	
		For Automatic Roll Filter, Add	*4,087.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*932.49*	
		For Electric Heating Coil, Add	*1,072.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,386.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,386.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,087.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,087.54*	
		For 2 Coils, Independent Circuits, Add	*1,072.71*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,619.48	2,029.42
		For Economizer, Panel, Controls And Damper(s), Add	*2,669.48*	
		For Flat Filter Box And Throwaway Filters, Add	*1,016.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,946.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,469.98*	
		For Manual Roll Filter, Add	*5,086.05*	
		For Automatic Roll Filter, Add	*5,086.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,161.95*	
		For Electric Heating Coil, Add	*1,336.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,214.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,214.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,086.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,086.05*	
		For 2 Coils, Independent Circuits, Add	*1,336.35*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,390.97	2,159.92
		For Economizer, Panel, Controls And Damper(s), Add	*2,799.75*	
		For Flat Filter Box And Throwaway Filters, Add	*1,284.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,477.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,134.94*	
		For Manual Roll Filter, Add	*6,526.62*	
		For Automatic Roll Filter, Add	*6,526.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,439.10*	
		For Electric Heating Coil, Add	*1,665.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,396.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,396.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,526.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,526.62*	
		For 2 Coils, Independent Circuits, Add	*1,665.21*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,959.50	2,312.94
		For Economizer, Panel, Controls And Damper(s), Add	*2,952.33*	
		For Flat Filter Box And Throwaway Filters, Add	*1,330.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,562.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,244.38*	
		For Manual Roll Filter, Add	*6,741.23*	
		For Automatic Roll Filter, Add	*6,741.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,495.95*	
		For Electric Heating Coil, Add	*1,729.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,575.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,575.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,741.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,741.23*	
		For 2 Coils, Independent Circuits, Add	*1,729.07*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,520.85	2,479.45
		For Economizer, Panel, Controls And Damper(s), Add	*3,119.55*	
		For Flat Filter Box And Throwaway Filters, Add	*1,574.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,043.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,848.88*	
		For Manual Roll Filter, Add	*8,042.47*	
		For Automatic Roll Filter, Add	*8,042.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,752.09*	
		For Electric Heating Coil, Add	*2,031.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,644.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,644.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,042.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,042.47*	
		For 2 Coils, Independent Circuits, Add	*2,031.66*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,472.75	2,655.23
		For Economizer, Panel, Controls And Damper(s), Add	*3,295.09*	
		For Flat Filter Box And Throwaway Filters, Add	*1,657.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,201.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,049.24*	
		For Manual Roll Filter, Add	*8,453.17*	
		For Automatic Roll Filter, Add	*8,453.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,847.28*	
		For Electric Heating Coil, Add	*2,140.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,985.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,985.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,453.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,453.17*	
		For 2 Coils, Independent Circuits, Add	*2,140.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,474.55	2,835.11
		For Economizer, Panel, Controls And Damper(s), Add	*3,474.89*	
		For Flat Filter Box And Throwaway Filters, Add	*1,744.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,368.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,261.16*	
		For Manual Roll Filter, Add	*8,888.57*	
		For Automatic Roll Filter, Add	*8,888.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,947.46*	
		For Electric Heating Coil, Add	*2,255.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,346.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,346.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,888.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,888.57*	
		For 2 Coils, Independent Circuits, Add	*2,255.95*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,733.29	3,042.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,135.17*	
		For Flat Filter Box And Throwaway Filters, Add	*1,956.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,782.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,782.82*	
		For Manual Roll Filter, Add	*10,001.81*	
		For Automatic Roll Filter, Add	*10,001.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,173.33*	
		For Electric Heating Coil, Add	*2,521.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,262.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,262.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,001.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,001.81*	
		For 2 Coils, Independent Circuits, Add	*2,521.26*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,760.16	3,258.02
		For Economizer, Panel, Controls And Damper(s), Add	*3,310.01*	
		For Flat Filter Box And Throwaway Filters, Add	*2,143.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,146.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,241.86*	
		For Manual Roll Filter, Add	*10,973.54*	
		For Automatic Roll Filter, Add	*10,973.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,376.02*	
		For Electric Heating Coil, Add	*2,758.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,062.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,062.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,973.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,973.54*	
		For 2 Coils, Independent Circuits, Add	*2,758.13*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,117.06	3,479.69
		For Economizer, Panel, Controls And Damper(s), Add	*3,477.87*	
		For Flat Filter Box And Throwaway Filters, Add	*2,263.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,378.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,535.30*	
		For Manual Roll Filter, Add	*11,582.49*	
		For Automatic Roll Filter, Add	*11,582.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,511.71*	
		For Electric Heating Coil, Add	*2,914.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,566.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,566.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,582.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,582.49*	
		For 2 Coils, Independent Circuits, Add	*2,914.85*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,705.44	3,717.57
		For Economizer, Panel, Controls And Damper(s), Add	*3,672.33*	
		For Flat Filter Box And Throwaway Filters, Add	*2,504.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,850.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,129.36*	
		For Manual Roll Filter, Add	*12,847.00*	
		For Automatic Roll Filter, Add	*12,847.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,770.54*	
		For Electric Heating Coil, Add	*3,218.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,607.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,607.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,847.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,847.00*	
		For 2 Coils, Independent Circuits, Add	*3,218.39*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,477.55	3,978.59
		For Economizer, Panel, Controls And Damper(s), Add	*3,875.75*	
		For Flat Filter Box And Throwaway Filters, Add	*2,663.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,156.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,516.91*	
		For Manual Roll Filter, Add	*13,655.22*	
		For Automatic Roll Filter, Add	*13,655.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,947.76*	
		For Electric Heating Coil, Add	*3,423.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,275.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,275.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,655.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,655.22*	
		For 2 Coils, Independent Circuits, Add	*3,423.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,327.66	4,320.36
		For Economizer, Panel, Controls And Damper(s), Add	*4,141.86*	
		For Flat Filter Box And Throwaway Filters, Add	*2,924.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,663.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,156.86*	
		For Manual Roll Filter, Add	*15,005.06*	
		For Automatic Roll Filter, Add	*15,005.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,232.77*	
		For Electric Heating Coil, Add	*3,755.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,388.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,388.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,005.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,005.06*	
		For 2 Coils, Independent Circuits, Add	*3,755.98*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,733.82	4,653.52
		For Economizer, Panel, Controls And Damper(s), Add	*4,404.79*	
		For Flat Filter Box And Throwaway Filters, Add	*3,141.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,082.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,686.69*	
		For Manual Roll Filter, Add	*16,113.32*	
		For Automatic Roll Filter, Add	*16,113.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,473.38*	
		For Electric Heating Coil, Add	*4,035.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,304.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,304.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,113.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,113.32*	
		For 2 Coils, Independent Circuits, Add	*4,035.16*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,445.23	5,031.42
		For Economizer, Panel, Controls And Damper(s), Add	*3,809.34*	
		For Flat Filter Box And Throwaway Filters, Add	*3,285.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,356.51*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,035.31*	
		For Manual Roll Filter, Add	*16,816.87*	
		For Automatic Roll Filter, Add	*16,816.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,644.52*	
		For Electric Heating Coil, Add	*4,229.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,889.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,889.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,816.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,816.87*	
		For 2 Coils, Independent Circuits, Add	*4,229.96*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,447.46	5,427.20
		For Economizer, Panel, Controls And Damper(s), Add	*4,043.04*	
		For Flat Filter Box And Throwaway Filters, Add	*3,656.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,081.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,948.23*	
		For Manual Roll Filter, Add	*18,755.18*	
		For Automatic Roll Filter, Add	*18,755.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,044.75*	
		For Electric Heating Coil, Add	*4,698.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,486.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,486.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,755.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,755.18*	
		For 2 Coils, Independent Circuits, Add	*4,698.54*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,586.64	5,850.24
		For Economizer, Panel, Controls And Damper(s), Add	*4,285.23*	
		For Flat Filter Box And Throwaway Filters, Add	*3,840.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,430.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,392.20*	
		For Manual Roll Filter, Add	*19,659.27*	
		For Automatic Roll Filter, Add	*19,659.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,258.66*	
		For Electric Heating Coil, Add	*4,943.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,236.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,236.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,659.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,659.27*	
		For 2 Coils, Independent Circuits, Add	*4,943.14*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,955.87	6,336.53
		For Economizer, Panel, Controls And Damper(s), Add	*4,549.32*	
		For Flat Filter Box And Throwaway Filters, Add	*4,044.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,818.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,885.47*	
		For Manual Roll Filter, Add	*20,665.24*	
		For Automatic Roll Filter, Add	*20,665.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,495.59*	
		For Electric Heating Coil, Add	*5,214.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,071.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,071.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,665.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,665.24*	
		For 2 Coils, Independent Circuits, Add	*5,214.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	47,507.30	6,840.18
		For Economizer, Panel, Controls And Damper(s), Add	*4,113.43*	
		For Flat Filter Box And Throwaway Filters, Add	*4,261.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,230.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,410.11*	
		For Manual Roll Filter, Add	*21,728.87*	
		For Automatic Roll Filter, Add	*21,728.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,750.73*	
		For Electric Heating Coil, Add	*5,505.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,955.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,955.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,728.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,728.87*	
		For 2 Coils, Independent Circuits, Add	*5,505.31*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	48,840.38	7,101.60
		For Economizer, Panel, Controls And Damper(s), Add	*4,230.72*	
		For Flat Filter Box And Throwaway Filters, Add	*4,375.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,446.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,684.74*	
		For Manual Roll Filter, Add	*22,286.13*	
		For Automatic Roll Filter, Add	*22,286.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,884.04*	
		For Electric Heating Coil, Add	*5,657.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,419.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,419.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,286.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,286.13*	
		For 2 Coils, Independent Circuits, Add	*5,657.46*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,114.72	7,355.03
		For Economizer, Panel, Controls And Damper(s), Add	*4,330.38*	
		For Flat Filter Box And Throwaway Filters, Add	*4,486.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,657.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,953.49*	
		For Manual Roll Filter, Add	*22,837.52*	
		For Automatic Roll Filter, Add	*22,837.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,011.47*	
		For Electric Heating Coil, Add	*5,803.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,876.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,876.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,837.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,837.52*	
		For 2 Coils, Independent Circuits, Add	*5,803.74*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	56,706.99	7,650.65
		For Economizer, Panel, Controls And Damper(s), Add	*3,591.74*	
		For Flat Filter Box And Throwaway Filters, Add	*5,122.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,916.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,532.94*	
		For Manual Roll Filter, Add	*26,257.43*	
		For Automatic Roll Filter, Add	*26,257.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,670.70*	
		For Electric Heating Coil, Add	*6,585.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,682.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,682.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,257.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,257.43*	
		For 2 Coils, Independent Circuits, Add	*6,585.66*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	63,250.88	7,953.71
		For Economizer, Panel, Controls And Damper(s), Add	*3,724.36*	
		For Flat Filter Box And Throwaway Filters, Add	*5,756.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,172.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,107.55*	
		For Manual Roll Filter, Add	*29,672.49*	
		For Automatic Roll Filter, Add	*29,672.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,325.09*	
		For Electric Heating Coil, Add	*7,362.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,484.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,484.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,672.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,672.49*	
		For 2 Coils, Independent Circuits, Add	*7,362.75*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	72,804.14	8,253.69
		For Economizer, Panel, Controls And Damper(s), Add	*3,797.29*	
		For Flat Filter Box And Throwaway Filters, Add	*6,691.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,028.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,433.36*	
		For Manual Roll Filter, Add	*34,739.24*	
		For Automatic Roll Filter, Add	*34,739.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,280.41*	
		For Electric Heating Coil, Add	*8,500.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,637.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,637.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,739.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*34,739.24*	
		For 2 Coils, Independent Circuits, Add	*8,500.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	82,363.30	8,550.71
		For Economizer, Panel, Controls And Damper(s), Add	*3,871.25*	
		For Flat Filter Box And Throwaway Filters, Add	*7,625.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,885.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,759.75*	
		For Manual Roll Filter, Add	*39,806.59*	
		For Automatic Roll Filter, Add	*39,806.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,236.33*	
		For Electric Heating Coil, Add	*9,639.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,790.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,790.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,806.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,806.59*	
		For 2 Coils, Independent Circuits, Add	*9,639.45*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	92,511.48	9,270.77
		For Economizer, Panel, Controls And Damper(s), Add	*4,052.13*	
		For Flat Filter Box And Throwaway Filters, Add	*8,589.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,817.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,141.76*	
		For Manual Roll Filter, Add	*33,032.37*	
		For Automatic Roll Filter, Add	*40,959.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,251.15*	
		For Electric Heating Coil, Add	*10,836.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,032.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*33,032.37*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,178.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,959.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,959.44*	
		For 2 Coils, Independent Circuits, Add	*10,836.56*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	99,771.63	10,080.84
		For Economizer, Panel, Controls And Damper(s), Add	*3,913.34*	
		For Flat Filter Box And Throwaway Filters, Add	*9,261.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,819.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,794.57*	
		For Manual Roll Filter, Add	*35,611.98*	
		For Automatic Roll Filter, Add	*44,156.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,977.16*	
		For Electric Heating Coil, Add	*11,686.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,611.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,611.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,522.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*44,156.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*44,156.92*	
		For 2 Coils, Independent Circuits, Add	*11,686.15*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	119,145.26	10,890.53
		For Economizer, Panel, Controls And Damper(s), Add	*4,098.15*	
		For Flat Filter Box And Throwaway Filters, Add	*11,136.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,627.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,453.17*	
		For Manual Roll Filter, Add	*42,991.81*	
		For Automatic Roll Filter, Add	*53,350.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,914.53*	
		For Electric Heating Coil, Add	*13,986.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*42,991.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,991.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,273.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*53,350.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*53,350.90*	
		For 2 Coils, Independent Circuits, Add	*13,986.34*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	134,740.49	11,790.99
		For Economizer, Panel, Controls And Damper(s), Add	*4,288.05*	
		For Flat Filter Box And Throwaway Filters, Add	*12,633.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,865.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,162.07*	
		For Manual Roll Filter, Add	*48,850.09*	
		For Automatic Roll Filter, Add	*60,642.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,474.05*	
		For Electric Heating Coil, Add	*15,832.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,850.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*48,850.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,266.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,642.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*60,642.11*	
		For 2 Coils, Independent Circuits, Add	*15,832.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	146,049.72	12,691.45
		For Economizer, Panel, Controls And Damper(s), Add	*4,485.79*	
		For Flat Filter Box And Throwaway Filters, Add	*13,698.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,456.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,791.64*	
		For Manual Roll Filter, Add	*52,978.31*	
		For Automatic Roll Filter, Add	*65,769.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,604.97*	
		For Electric Heating Coil, Add	*17,163.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,978.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,978.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,396.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,769.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,769.43*	
		For 2 Coils, Independent Circuits, Add	*17,163.19*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	163,172.27	14,850.86
		For Economizer, Panel, Controls And Damper(s), Add	*4,479.36*	
		For Flat Filter Box And Throwaway Filters, Add	*15,257.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,780.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,613.84*	
		For Manual Roll Filter, Add	*58,910.45*	
		For Automatic Roll Filter, Add	*73,108.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,317.23*	
		For Electric Heating Coil, Add	*19,156.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*58,910.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*58,910.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,514.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*73,108.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*73,108.20*	
		For 2 Coils, Independent Circuits, Add	*19,156.78*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	163,964.98	15,391.29
		For Economizer, Panel, Controls And Damper(s), Add	*4,578.45*	
		For Flat Filter Box And Throwaway Filters, Add	*15,297.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,835.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,693.11*	
		For Manual Roll Filter, Add	*58,989.72*	
		For Automatic Roll Filter, Add	*73,187.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,396.50*	
		For Electric Heating Coil, Add	*19,236.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*58,989.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*58,989.72*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,594.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*73,187.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*73,187.47*	
		For 2 Coils, Independent Circuits, Add	*19,236.05*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	171,506.00	15,930.82
		For Economizer, Panel, Controls And Damper(s), Add	*4,677.53*	
		For Flat Filter Box And Throwaway Filters, Add	*16,011.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,903.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,459.46*	
		For Manual Roll Filter, Add	*61,768.32*	
		For Automatic Roll Filter, Add	*76,640.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,150.60*	
		For Electric Heating Coil, Add	*20,125.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*61,768.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*61,768.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,023.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*76,640.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*76,640.89*	
		For 2 Coils, Independent Circuits, Add	*20,125.11*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	179,406.31	17,101.43
		For Economizer, Panel, Controls And Damper(s), Add	*4,881.79*	
		For Flat Filter Box And Throwaway Filters, Add	*16,719.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,957.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*41,189.43*	
		For Manual Roll Filter, Add	*64,438.24*	
		For Automatic Roll Filter, Add	*79,937.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,940.63*	
		For Electric Heating Coil, Add	*21,040.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*64,438.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*64,438.24*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,439.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*79,937.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*79,937.44*	
		For 2 Coils, Independent Circuits, Add	*21,040.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	193,390.17	18,001.51
		For Economizer, Panel, Controls And Damper(s), Add	*5,030.33*	
		For Flat Filter Box And Throwaway Filters, Add	*18,058.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,960.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*44,507.15*	
		For Manual Roll Filter, Add	*69,675.27*	
		For Automatic Roll Filter, Add	*86,454.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,339.02*	
		For Electric Heating Coil, Add	*22,694.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*69,675.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*69,675.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*36,117.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*86,454.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*86,454.03*	
		For 2 Coils, Independent Circuits, Add	*22,694.77*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	207,923.59	18,991.59
		For Economizer, Panel, Controls And Damper(s), Add	*4,616.53*	
		For Flat Filter Box And Throwaway Filters, Add	*19,434.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*29,015.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*47,906.10*	
		For Manual Roll Filter, Add	*75,019.85*	
		For Automatic Roll Filter, Add	*93,095.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,792.36*	
		For Electric Heating Coil, Add	*24,407.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*75,019.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*75,019.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*38,868.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*93,095.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*93,095.68*	
		For 2 Coils, Independent Circuits, Add	*24,407.52*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	224,006.07	20,161.69
		For Economizer, Panel, Controls And Damper(s), Add	*4,778.71*	
		For Flat Filter Box And Throwaway Filters, Add	*20,961.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*31,297.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*51,683.45*	
		For Manual Roll Filter, Add	*80,966.30*	
		For Automatic Roll Filter, Add	*100,488.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,400.61*	
		For Electric Heating Coil, Add	*26,304.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*80,966.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*80,966.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*41,922.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*100,488.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*100,488.19*	
		For 2 Coils, Independent Circuits, Add	*26,304.99*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	240,384.21	20,701.73
		For Economizer, Panel, Controls And Damper(s), Add	*4,852.14*	
		For Flat Filter Box And Throwaway Filters, Add	*22,562.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*33,695.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*55,667.84*	
		For Manual Roll Filter, Add	*87,297.25*	
		For Automatic Roll Filter, Add	*108,383.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*24,038.42*	
		For Electric Heating Coil, Add	*28,255.68*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*87,297.25*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*87,297.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*45,124.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*108,383.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*108,383.53*	
		For 2 Coils, Independent Circuits, Add	*28,255.68*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,940.94	719.93
23 73 13 00-0090	EA	500 CFM Return Air Fan	5,114.66	863.95
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,342.60	899.95
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	6,102.80	953.95
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	6,287.60	998.95
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,432.07	1,043.95
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,750.40	1,097.96
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,510.58	1,151.97
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,868.95	1,205.97
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	8,066.66	1,259.98
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,540.35	1,394.99
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,763.99	1,466.99
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,974.47	1,530.00
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	9,238.25	1,602.13
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	9,474.33	1,683.14
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,917.68	1,881.16
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	11,262.69	2,232.19
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	11,555.95	2,268.19
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,688.75	2,277.19
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	12,303.39	2,313.19
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	12,578.75	2,340.20
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	13,234.00	2,430.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	14,099.44	2,475.07
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,929.23	2,545.41
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	17,369.62	2,682.10
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	20,669.72	2,798.85
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	21,661.66	2,896.44
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	22,648.21	2,979.25
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	24,001.43	3,276.28
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	25,663.37	3,456.03
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	28,963.72	3,599.92
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	34,138.25	3,959.95
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	42,019.15	4,499.99
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	51,169.93	4,662.40
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	53,565.55	4,797.01
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	54,797.32	4,923.02
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	57,468.42	5,138.91
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	60,361.55	5,391.97
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	64,926.57	5,656.46
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	67,805.35	5,956.31
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	70,009.02	6,295.51
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	75,280.46	6,583.67
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	80,992.97	6,898.56
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	87,192.65	7,246.12
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	95,413.12	7,632.12

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,296.98	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,472.43	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,563.65	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	10,151.23	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,168.98	2,087.00
		For High Heat, Add	*416.70*	
		For Unit Without Heat, Deduct	*-497.58*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*438.63*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,138.29	2,181.87
		For High Heat, Add	*496.77*	
		For Unit Without Heat, Deduct	*-552.37*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*522.91*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,770.07	2,276.72
		For High Heat, Add	*639.77*	
		For Unit Without Heat, Deduct	*-640.29*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*673.44*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,722.54	2,419.03
		For High Heat, Add	*807.23*	
		For Unit Without Heat, Deduct	*-747.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*849.72*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,707.78	2,561.32
		For High Heat, Add	*882.81*	
		For Unit Without Heat, Deduct	*-806.14*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*929.27*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,823.84	2,751.04
		For High Heat, Add	*1,059.80*	
		For Unit Without Heat, Deduct	*-924.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,115.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	17,841.36	2,893.34
		For High Heat, Add	*1,328.44*	
		For Unit Without Heat, Deduct	*-1,084.96*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,398.36*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,804.58	3,083.07
		For High Heat, Add	*1,395.91*	
		For Unit Without Heat, Deduct	*-1,145.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,469.38*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,159.27	3,331.61
		For High Heat, Add	*1,778.07*	
		For Unit Without Heat, Deduct	*-1,380.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,871.65*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,150.70	3,581.10
		For High Heat, Add	*1,935.71*	
		For Unit Without Heat, Deduct	*-1,496.28*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,037.59*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,785.88	3,829.96
		For High Heat, Add	*2,249.51*	
		For Unit Without Heat, Deduct	*-1,694.64*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,367.91*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,505.76	4,079.14
		For High Heat, Add	*2,571.36*	
		For Variable Volume, Add	*1,218.01*	
		For Unit Without Heat, Deduct	*-1,897.23*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,571.36*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	36,187.76	4,494.01
		For High Heat, Add	*2,868.58*	
		For Variable Volume, Add	*1,358.80*	
		For Unit Without Heat, Deduct	*-2,109.00*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,868.58*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,587.81	4,909.20
		For High Heat, Add	*3,044.01*	
		For Variable Volume, Add	*1,441.90*	
		For Unit Without Heat, Deduct	*-2,256.67*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*3,044.01*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,437.54	5,371.81
		For High Heat, Add	*3,256.16*	
		For Variable Volume, Add	*1,542.39*	
		For Unit Without Heat, Deduct	*-2,429.99*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*3,256.16*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	45,250.52	5,834.11
		For High Heat, Add	*3,559.81*	
		For Variable Volume, Add	*1,686.23*	
		For Unit Without Heat, Deduct	*-2,651.47*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*3,559.81*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	52,462.23	6,806.46
		For High Heat, Add	*4,121.76*	
		For Variable Volume, Add	*1,952.41*	
		For Unit Without Heat, Deduct	*-3,076.88*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*4,121.76*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,222.46	7,778.82
		For High Heat, Add	*4,735.82*	
		For Variable Volume, Add	*2,243.28*	
		For Unit Without Heat, Deduct	*-3,529.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*4,735.82*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	65,843.28	8,774.89
		For High Heat, Add	*5,143.63*	
		For Variable Volume, Add	*2,436.45*	
		For Unit Without Heat, Deduct	*-3,877.16*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*5,143.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	75,984.53	9,770.95
		For High Heat, Add	*5,980.88*	
		For Variable Volume, Add	*2,833.05*	
		For Unit Without Heat, Deduct	*-4,450.62*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*5,980.88*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	84,644.50	10,719.58
		For High Heat, Add	*6,683.41*	
		For Variable Volume, Add	*3,165.83*	
		For Unit Without Heat, Deduct	*-4,946.86*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*6,683.41*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	91,515.53	11,668.22
		For High Heat, Add	*7,216.00*	
		For Variable Volume, Add	*3,418.11*	
		For Unit Without Heat, Deduct	*-5,353.66*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*7,216.00*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	98,068.83	12,616.86
		For High Heat, Add	*7,718.40*	
		For Variable Volume, Add	*3,656.09*	
		For Unit Without Heat, Deduct	*-5,744.57*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*7,718.40*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	105,465.48	13,565.50
		For High Heat, Add	*8,300.92*	
		For Variable Volume, Add	*3,932.02*	
		For Unit Without Heat, Deduct	*-6,177.64*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*8,300.92*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	114,258.93	14,609.00
		For High Heat, Add	*9,004.13*	
		For Variable Volume, Add	*4,265.11*	
		For Unit Without Heat, Deduct	*-6,686.88*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*9,004.13*	

23 74 16 13-0027 Electric Cooling, Electric Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0028	EA	25 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	53,678.44	4,909.20
		For High Heat, Add	*4,477.62*	
		For Variable Volume, Add	*2,120.98*	
		For Unit Without Heat, Deduct	*-3,011.20*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*4,477.62*	
23 74 16 13-0029	EA	27.5 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	57,579.87	5,371.81
		For High Heat, Add	*4,789.68*	
		For Variable Volume, Add	*2,268.80*	
		For Unit Without Heat, Deduct	*-3,237.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*4,789.68*	
23 74 16 13-0030	EA	30 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	62,898.22	5,834.11
		For High Heat, Add	*5,236.34*	
		For Variable Volume, Add	*2,480.37*	
		For Unit Without Heat, Deduct	*-3,533.85*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*5,236.34*	
23 74 16 13-0031	EA	35 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	72,895.78	6,806.46
		For High Heat, Add	*6,062.95*	
		For Variable Volume, Add	*2,871.92*	
		For Unit Without Heat, Deduct	*-4,098.55*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*6,062.95*	
23 74 16 13-0032	EA	40 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	83,700.18	7,778.82
		For High Heat, Add	*6,966.20*	
		For Variable Volume, Add	*3,299.78*	
		For Unit Without Heat, Deduct	*-4,703.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*6,966.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0033	EA	45 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	91,342.71	8,774.89
		For High Heat, Add	*7,566.07*	
		For Variable Volume, Add	*3,583.93*	
		For Unit Without Heat, Deduct	*-5,152.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*7,566.07*	
23 74 16 13-0034	EA	50 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	105,634.62	9,770.95
		For High Heat, Add	*8,797.64*	
		For Variable Volume, Add	*4,167.30*	
		For Unit Without Heat, Deduct	*-5,933.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*8,797.64*	
23 74 16 13-0035	EA	55 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	117,777.39	10,719.58
		For High Heat, Add	*9,831.04*	
		For Variable Volume, Add	*4,656.81*	
		For Unit Without Heat, Deduct	*-6,603.51*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*9,831.04*	
23 74 16 13-0036	EA	60 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	127,288.71	11,668.22
		For High Heat, Add	*10,614.45*	
		For Variable Volume, Add	*5,027.90*	
		For Unit Without Heat, Deduct	*-7,142.32*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*10,614.45*	
23 74 16 13-0037	EA	65 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	136,332.67	12,616.86
		For High Heat, Add	*11,353.47*	
		For Variable Volume, Add	*5,377.96*	
		For Unit Without Heat, Deduct	*-7,657.76*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*11,353.47*	
23 74 16 13-0038	EA	70 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	146,617.16	13,565.50
		For High Heat, Add	*12,210.33*	
		For Variable Volume, Add	*5,783.84*	
		For Unit Without Heat, Deduct	*-8,235.22*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*12,210.33*	
23 74 16 13-0039	EA	75 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	158,896.72	14,609.00
		For High Heat, Add	*13,244.72*	
		For Variable Volume, Add	*6,273.81*	
		For Unit Without Heat, Deduct	*-8,918.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*13,244.72*	

23 74 16 13-0040 Electric Cooling, Gas Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0041	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	7,049.15	1,897.27
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*451.95*	
23 74 16 13-0042	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	8,235.61	2,181.87
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*532.65*	
23 74 16 13-0043	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	10,423.21	2,513.88
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*707.14*	
23 74 16 13-0044	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	11,856.44	2,703.61
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*825.16*	
23 74 16 13-0045	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	13,442.48	2,917.06
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
		For High Efficiency, Add	*955.31*	
23 74 16 13-0046	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	15,793.05	3,059.35
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,171.39*	
23 74 16 13-0047	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	19,777.69	2,537.60
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,538.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0048	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	20,349.78	3,415.09
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*1,579.63*	
23 74 16 13-0049	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	25,521.63	3,699.68
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,058.87*	
23 74 16 13-0050	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	27,769.27	3,984.27
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,245.69*	
23 74 16 13-0051	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	32,331.50	4,268.86
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*2,663.97*	
23 74 16 13-0052	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	41,109.07	4,553.46
		For Variable Volume, Add	*1,576.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*3,328.59*	
23 74 16 13-0053	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	50,276.34	5,027.78
		For Variable Volume, Add	*1,960.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*4,139.40*	
23 74 16 13-0054	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	59,443.62	5,438.85
		For Variable Volume, Add	*2,344.84*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*4,950.21*	
23 74 16 13-0055	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	61,199.05	5,976.40
		For Variable Volume, Add	*2,395.37*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*5,056.90*	
23 74 16 13-0056	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	63,861.21	6,450.72
		For Variable Volume, Add	*2,486.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*5,249.72*	
23 74 16 13-0057	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	71,048.70	7,541.66
		For Variable Volume, Add	*2,744.69*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*5,794.35*	
23 74 16 13-0058	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	78,921.21	8,632.59
		For Variable Volume, Add	*3,033.50*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*6,404.05*	
23 74 16 13-0059	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	85,366.89	9,723.51
		For Variable Volume, Add	*3,258.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*6,878.21*	
23 74 16 13-0060	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	91,084.67	10,814.45
		For Variable Volume, Add	*3,449.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*7,283.21*	
23 74 16 13-0061	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	100,177.76	11,905.38
		For Variable Volume, Add	*3,793.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*8,008.87*	
23 74 16 13-0062	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	108,880.18	12,996.32
		For Variable Volume, Add	*4,119.83*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*8,697.42*	
23 74 16 13-0063	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	117,586.16	13,541.78
		For Variable Volume, Add	*4,478.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*9,455.39*	
23 74 16 13-0064	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	126,392.43	14,063.53
		For Variable Volume, Add	*4,843.85*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*10,225.90*	
23 74 16 13-0065	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	139,088.91	14,609.00
		For Variable Volume, Add	*5,382.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*11,362.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0066	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	163,995.24	15,178.18
		For Variable Volume, Add	*6,469.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*13,656.98*	
23 74 16 13-0067	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	191,684.54	17,834.35
		For Variable Volume, Add	*7,555.74*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*15,951.01*	
23 74 16 13-0068	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	215,622.68	21,723.76
		For Variable Volume, Add	*8,399.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*17,732.48*	

23 74 16 13-0069 Electric Cooling, Gas Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0070	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	83,982.06	5,438.85
		For Variable Volume, Add	*3,449.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
		For High Efficiency, Add	*7,281.36*	
23 74 16 13-0071	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	86,266.33	5,976.40
		For Variable Volume, Add	*3,523.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*7,438.29*	
23 74 16 13-0072	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	89,884.33	6,450.72
		For Variable Volume, Add	*3,657.75*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*7,721.92*	
23 74 16 13-0073	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	99,771.56	7,541.66
		For Variable Volume, Add	*4,037.22*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
		For High Efficiency, Add	*8,523.02*	
23 74 16 13-0074	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	110,666.41	8,632.59
		For Variable Volume, Add	*4,462.03*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*9,419.85*	
23 74 16 13-0075	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	119,462.49	9,723.51
		For Variable Volume, Add	*4,792.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*10,117.29*	
23 74 16 13-0076	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	127,187.90	10,814.45
		For Variable Volume, Add	*5,074.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	
		For High Efficiency, Add	*10,713.02*	
23 74 16 13-0077	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	139,878.12	11,905.38
		For Variable Volume, Add	*5,580.19*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*11,780.41*	
23 74 16 13-0078	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	151,993.69	12,996.32
		For Variable Volume, Add	*6,059.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,752.49*	
		For High Efficiency, Add	*12,793.20*	
23 74 16 13-0079	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	164,456.99	13,541.78
		For Variable Volume, Add	*6,588.06*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*13,908.12*	
23 74 16 13-0080	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	177,082.71	14,063.53
		For Variable Volume, Add	*7,124.91*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,006.88*	
		For High Efficiency, Add	*15,041.48*	
23 74 16 13-0081	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	195,415.70	14,609.00
		For Variable Volume, Add	*7,917.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*16,714.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0082	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	231,693.52	15,178.18
		For Variable Volume, Add	*9,515.52*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*20,088.32*	
23 74 16 13-0083	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	270,754.46	17,834.35
		For Variable Volume, Add	*11,113.89*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*23,462.66*	
23 74 16 13-0084	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	303,523.40	21,723.76
		For Variable Volume, Add	*12,355.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,347.34*	
		For High Efficiency, Add	*26,083.05*	

23 74 16 13-0085 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14.8 SEER minimum, units 5 to < 20 tons have 13.7 EER minimum, and units 20 tons and over have 12.1 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

23 74 16 13-0086 AAON RQ Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 16 13-0087	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	15,874.71	1,897.27
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,689.79*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,833.32*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,443.36*	
		For Factory Installed Non-Fused Disconnect, Add	*1,651.88*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0088	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	17,310.29	2,181.87
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0089	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	17,994.01	2,513.88
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0090	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	18,460.91	2,703.61
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0091	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	20,194.27	3,296.58
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	

23 74 16 13-0092 AAON RNA Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 16 13-0093	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	24,421.46	2,917.12
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	
23 74 16 13-0094	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	26,070.81	3,059.42
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0095	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	29,929.07	3,296.58
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	
23 74 16 13-0096	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	30,230.72	3,415.09
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	

23 74 16 13-0097 AAON RNB Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 16 13-0098	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	35,849.82	3,415.09
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0099	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	36,121.40	3,320.23
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0100	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	39,384.09	3,699.68
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0101	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	40,391.79	3,984.27
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	

23 74 16 13-0102 AAON RNC Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0103	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	52,014.53	3,984.27
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0104	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	56,190.60	4,268.86
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0105	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	59,540.73	4,553.46
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0106	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	64,426.18	5,502.09
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0107	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	73,070.32	6,450.72
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0108		**AAON RND Rooftop Units** *(23 74 16 13-0085)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0109	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	106,821.44	5,502.09
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0110	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	121,697.80	6,450.72
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0111	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	143,274.79	8,632.59
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0112	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	167,951.65	10,814.45
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0113	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	184,365.12	12,996.32
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0114	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	193,968.10	14,063.60
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0115		**AAON RNE Rooftop Units** *(23 74 16 13-0085)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0116	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	179,229.99	11,905.38
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0117	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	197,387.75	13,541.84
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0118	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	209,855.37	14,609.00
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0119	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	253,774.74	19,779.07
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0120	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	274,768.36	22,577.54
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0121	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	320,547.31	24,854.26
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0122	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	328,309.30	26,372.07
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0123	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	343,915.07	29,502.59
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0124		**Packaged Rooftop Units (Trane, Carrier Or Equal)** *(23 74 16 13)* Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0125		**Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal)** *(23 74 16 13-0124)*		
23 74 16 13-0126		**Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal)** *(23 74 16 13-0125)* Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0127	EA	3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_036)	12,916.72	2,181.87
		For Factory Installed Economizer, Add	*1,279.74*	
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0128	EA	4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_048)	14,387.47	2,513.88
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0129	EA	5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_060)	15,698.36	2,703.61
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0130	EA	6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_072)	17,320.27	2,917.12
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0131	EA	7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_092)	20,240.12	3,059.42
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0132	EA	8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_102)	21,976.83	3,296.58
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0133	EA	10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_120)	28,987.96	3,415.09
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0134	EA	12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_150)	33,266.35	3,699.68
		For Economizer, Add	*2,450.50*	
		For Roof Curb, Add	*952.51*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0135	EA	15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_180)	36,339.66	3,984.27
		For Economizer, Add	*2,450.50*	
		For Roof Curb, Add	*952.51*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0136	EA	17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_210)	41,923.39	4,268.86
		For Economizer, Add	*2,450.50*	
		For Roof Curb, Add	*952.51*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0137	EA	20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_240)	45,790.13	4,553.46
		For Economizer, Add	*2,450.50*	
		For Roof Curb, Add	*952.51*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0138	EA	25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_300)	52,854.34	5,502.09
		For Economizer, Add	*2,450.50*	
		For Roof Curb, Add	*952.51*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0139	EA	27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_330)	57,658.71	5,976.40
		For Economizer And Powered Exhaust, Add	*5,474.10*	
		For Roof Curb, Add	*1,666.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0140	EA	30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_360)	60,790.89	6,450.72
		For Economizer And Powered Exhaust, Add	*5,474.10*	
		For Roof Curb, Add	*1,666.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0141	EA	35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_420)	68,262.38	7,541.66
		For Economizer And Powered Exhaust, Add	*5,474.10*	
		For Roof Curb, Add	*1,666.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0142	EA	40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_480)	74,432.80	8,632.59
		For Economizer And Powered Exhaust, Add	*5,474.10*	
		For Roof Curb, Add	*1,900.11*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0143	EA	50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_600)	86,797.09	10,814.45
		For Economizer And Powered Exhaust, Add	*5,474.10*	
		For Roof Curb, Add	*1,900.11*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0144	EA	55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	141,261.24	11,905.38
		For Economizer And Powered Exhaust, Add	*14,769.91*	
		For Roof Curb, Add	*3,006.81*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0145	EA	60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	152,085.95	12,996.32
		For Economizer And Powered Exhaust, Add	*16,726.43*	
		For Roof Curb, Add	*3,347.24*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0146	EA	70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	170,787.76	14,063.60
		For Economizer And Powered Exhaust, Add	*17,369.08*	
		For Roof Curb, Add	*3,347.24*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0147	EA	75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754)	185,045.37	14,609.00
		For Economizer And Powered Exhaust, Add	*18,129.03*	
		For Roof Curb, Add	*3,347.24*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0148	EA	90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904)	223,075.42	17,834.35
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0149	EA	105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114)	242,562.18	22,577.54
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	

23 74 16 13-0150 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0125)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0151	EA	3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_036)	13,786.94	2,181.87
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0152	EA	4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_048)	15,624.56	2,513.88
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0153	EA	5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_060)	17,097.55	2,703.61
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0154	EA	6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_072)	18,685.33	2,917.12
		For Roof Curb, Add	*849.02*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0155	EA	7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_092)	26,879.84	3,059.42
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0156	EA	8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_102)	28,829.84	3,296.58
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0157	EA	10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_120)	31,398.14	3,415.09
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0158	EA	12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_150)	36,216.15	3,699.68
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0159	EA	15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_180)	40,515.77	3,984.27
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0160	EA	17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_210)	47,094.29	4,268.86
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0161	EA	20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_240)	51,869.97	4,553.46
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0162	EA	25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_300)	66,662.73	5,502.09
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0163	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF304)	95,666.52	6,450.72
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Economizer And Powered Exhaust, Add	*7,772.44*	
		For Roof Curb, Add	*1,473.40*	
23 74 16 13-0164	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF404)	127,447.49	8,632.59
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Economizer And Powered Exhaust, Add	*8,750.54*	
		For Roof Curb, Add	*2,219.49*	
23 74 16 13-0165	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF504)	158,389.83	10,814.45
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Economizer And Powered Exhaust, Add	*12,824.99*	
		For Roof Curb, Add	*2,219.49*	
23 74 16 13-0166	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	175,823.58	11,905.38
		For Economizer And Powered Exhaust, Add	*14,769.91*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,752.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0167	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	186,615.41	12,996.32
		For Economizer And Powered Exhaust, Add	*16,726.43*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,752.43*	
23 74 16 13-0168	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	209,226.03	14,063.60
		For Economizer And Powered Exhaust, Add	*17,369.08*	
		For Roof Curb, Add	*3,006.81*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	

23 74 16 13-0169 Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0170	EA	3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_036E)	9,937.68	1,963.68
		For Roof Curb, Add	*849.02*	
		For Factory Installed Economizer, Add	*1,165.66*	
		For Factory Installed BACnet, Add	*2,323.50*	
		For Demand Control Ventilation, Add	*2,580.77*	
23 74 16 13-0171	EA	4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_048F)	11,114.13	2,262.56
		For Roof Curb, Add	*849.02*	
		For Factory Installed Economizer, Add	*1,165.66*	
		For Factory Installed BACnet, Add	*2,774.30*	
		For Demand Control Ventilation, Add	*2,580.77*	
23 74 16 13-0172	EA	5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_060E)	12,138.70	2,433.31
		For Roof Curb, Add	*849.02*	
		For Factory Installed Economizer, Add	*1,165.66*	
		For Factory Installed BACnet, Add	*2,774.30*	
		For Demand Control Ventilation, Add	*2,580.77*	
23 74 16 13-0173	EA	6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_072F)	13,573.20	2,625.32
		For Roof Curb, Add	*849.02*	
		For Factory Installed Economizer, Add	*1,165.66*	
		For Factory Installed BACnet, Add	*2,774.30*	
		For Demand Control Ventilation, Add	*2,580.77*	
23 74 16 13-0174	EA	7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_090F)	15,808.91	2,753.45
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*1,189.75*	
		For Factory Installed BACnet, Add	*2,978.85*	
		For Demand Control Ventilation, Add	*2,639.22*	
23 74 16 13-0175	EA	8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_102F)	17,182.17	2,966.82
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*1,189.75*	
		For Factory Installed BACnet, Add	*2,978.85*	
		For Demand Control Ventilation, Add	*2,639.22*	
23 74 16 13-0176	EA	10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_120F)	18,827.63	3,073.58
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*1,216.70*	
		For Factory Installed BACnet, Add	*2,978.85*	
		For Demand Control Ventilation, Add	*2,639.22*	
23 74 16 13-0177	EA	12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_150F) Note: * = Downflow or Horizontal	21,057.54	3,329.71
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*1,314.03*	
		For Factory Installed BACnet, Add	*3,971.80*	
		For Demand Control Ventilation, Add	*3,225.67*	
23 74 16 13-0178	EA	15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_180F) Note: * = Downflow or Horizontal	23,731.21	3,585.84
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*2,483.92*	
		For Factory Installed BACnet, Add	*3,971.80*	
		For Demand Control Ventilation, Add	*3,225.67*	
23 74 16 13-0179	EA	17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_210F) Note: * = Downflow or Horizontal	29,238.68	3,841.98
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*2,483.92*	
		For Factory Installed BACnet, Add	*3,971.80*	
		For Demand Control Ventilation, Add	*3,225.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0180	EA	20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH_240) Note: * = Downflow or Horizontal	32,991.35	4,098.11
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*2,483.92*	
		For Factory Installed BACnet, Add	*5,543.96*	
		For Demand Control Ventilation, Add	*3,225.67*	
23 74 16 13-0181	EA	25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH_300) Note: * = Downflow or Horizontal	38,851.66	4,951.88
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Economizer, Add	*2,483.92*	
		For Factory Installed BACnet, Add	*5,543.96*	
		For Demand Control Ventilation, Add	*3,643.98*	
23 74 16 13-0182	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*30)	83,270.24	5,805.66
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*1,473.40*	
		For Demand Control Ventilation, Add	*5,138.99*	
		For Factory Installed BACnet, Add	*14,563.26*	
23 74 16 13-0183	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*40)	110,934.77	7,768.70
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,219.49*	
		For Demand Control Ventilation, Add	*5,138.99*	
		For Factory Installed BACnet, Add	*14,563.26*	
23 74 16 13-0184	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*50)	137,871.81	9,733.01
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,219.49*	
		For Demand Control Ventilation, Add	*5,138.99*	
		For Factory Installed BACnet, Add	*14,563.26*	
23 74 16 13-0185	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55)	153,099.43	10,714.90
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,752.43*	
		For Demand Control Ventilation, Add	*5,138.99*	
		For Factory Installed BACnet, Add	*14,563.26*	
23 74 16 13-0186	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60)	167,027.91	11,696.69
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*2,752.43*	
		For Demand Control Ventilation, Add	*5,138.99*	
		For Factory Installed BACnet, Add	*14,563.26*	
23 74 16 13-0187	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70)	184,732.51	12,657.20
		For Roof Curb, Add	*3,006.81*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*8,448.51*	
		For Factory Installed BACnet, Add	*14,563.26*	

23 74 16 13-0188 Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0189 High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0188)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 16 13-0190	EA	3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_036)	8,959.25	1,963.68
		For Roof Curb, Add	*849.02*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0191	EA	4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_048)	10,195.32	2,262.56
		For Roof Curb, Add	*849.02*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0192	EA	5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_060)	11,144.35	2,433.31
		For Roof Curb, Add	*849.02*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0193	EA	6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_072)	12,070.59	2,625.32
		For Roof Curb, Add	*849.02*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0194	EA	7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_092)	16,015.69	2,753.45
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0195	EA	8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_102)	17,166.68	2,966.82
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0196	EA	10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_120)	18,636.69	3,073.58
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0197	EA	12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_150)	22,895.07	3,329.71
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0198	EA	15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_180)	24,295.49	3,585.84
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0199	EA	17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_210)	28,472.62	3,841.98
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0200	EA	20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_240)	30,889.46	4,098.11
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0201	EA	25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_300)	34,085.66	4,951.88
		For Roof Curb, Add	*1,018.82*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	

23 74 16 13-0202 Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0203 Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0202)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 16 13-0204	EA	3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_036)	9,709.05	1,963.68
		For Roof Curb, Add	*849.02*	
		For High Efficiency, Add	*868.62*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0205	EA	4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_048)	10,756.28	2,262.56
		For Roof Curb, Add	*849.02*	
		For High Efficiency, Add	*948.10*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0206	EA	5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_060)	11,811.55	2,433.31
		For Roof Curb, Add	*849.02*	
		For High Efficiency, Add	*1,049.48*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0207	EA	6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_072)	12,895.28	2,625.32
		For Roof Curb, Add	*849.02*	
		For High Efficiency, Add	*1,150.86*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0208	EA	7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_090)	14,504.51	2,753.45
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*1,327.08*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0209	EA	8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_102)	17,242.11	2,966.82
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*1,627.57*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0210	EA	10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_120)	19,837.40	3,073.58
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*1,928.06*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,876.96*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0211	EA	12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_150)	24,734.09	3,329.71
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*2,486.07*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0212	EA	15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_180)	26,994.92	3,585.84
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*2,721.19*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	
23 74 16 13-0213	EA	20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_240)	35,555.58	4,098.11
		For Roof Curb, Add	*1,018.82*	
		For High Efficiency, Add	*3,686.20*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,314.62*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,483.92*	

23 74 16 13-0214 Trane Curb Adapters *(23 74 16 13)*

Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.

23 74 16 13-0215	EA	3 To 5 Ton, Trane Curb Adapter	1,678.98
23 74 16 13-0216	EA	6 To 7-1/2 Ton, Trane Curb Adapter	2,194.01
23 74 16 13-0217	EA	8-1/2 To 10 Ton, Trane Curb Adapter	2,297.01
23 74 16 13-0218	EA	12-1/2 Ton, Standard Efficiency, Trane Curb Adapter	2,513.32
23 74 16 13-0219	EA	12-1/2 Ton, High Efficiency, Trane Curb Adapter	2,564.82
23 74 16 13-0220	EA	15 Ton, Trane Curb Adapter	2,812.04
23 74 16 13-0221	EA	17-1/2 Ton, Trane Curb Adapter	2,832.64
23 74 16 13-0222	EA	20 Ton, Trane Curb Adapter	3,162.25
23 74 16 13-0223	EA	25 Ton, Trane Curb Adapter	3,605.18

23 74 16 13-0224 Condenser Coil Guards *(23 74 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0225	EA	Condenser Coil Guard (Trane BAYGARD058A) Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils.	1,184.20	102.63
23 74 16 13-0226	EA	Condenser Coil Guard (Trane BAYGARD059A) Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils.	1,503.06	119.75
23 74 16 13-0227	EA	Condenser Coil Guard (Trane BAYGARD060A) Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils.	1,606.68	136.86
23 74 16 13-0228	EA	Condenser Coil Guard (Trane BAYGARD061A) Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils.	2,137.28	153.96
23 74 16 13-0229	EA	Condenser Coil Guard (Trane BAYGARD062A) Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners.	2,372.84	171.07

23 74 16 13-0230 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0231 Packaged Rooftop Heat Pump Units *(23 74 16 13-0230)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0232	EA	2 Ton Packaged Rooftop Heat Pump	7,498.43	1,707.55
		For Economizer With Outside Air Control, Add	*2,234.92*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*261.09*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0233	EA	2.5 Ton Packaged Rooftop Heat Pump	7,898.72	1,835.67
		For Economizer With Outside Air Control, Add	*2,368.50*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*272.56*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0234	EA	3 Ton Packaged Rooftop Heat Pump	8,356.39	1,963.68
		For Economizer With Outside Air Control, Add	*2,514.13*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*286.91*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0235	EA	3.5 Ton Packaged Rooftop Heat Pump	8,967.80	2,113.06
		For Economizer With Outside Air Control, Add	*2,454.28*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*307.52*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0236	EA	4 Ton Packaged Rooftop Heat Pump	9,579.48	2,262.56
		For Economizer With Outside Air Control, Add	*2,624.01*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*328.14*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0237	EA	5 Ton Packaged Rooftop Heat Pump	10,268.08	2,433.31
		For Economizer With Outside Air Control, Add	*2,816.21*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*280.95*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0238	EA	6 Ton Packaged Rooftop Heat Pump	11,541.79	2,625.32
		For Economizer With Outside Air Control, Add	*3,117.26*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*241.24*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0239	EA	7.5 Ton Packaged Rooftop Heat Pump	14,784.05	2,753.45
		For Economizer With Outside Air Control, Add	*3,169.15*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*333.38*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0240	EA	8.5 Ton Packaged Rooftop Heat Pump	16,525.80	2,966.82
		For Economizer With Outside Air Control, Add	*3,360.61*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*377.10*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0241	EA	10 Ton Packaged Rooftop Heat Pump	17,757.57	3,073.58
		For Economizer With Outside Air Control, Add	*3,415.00*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.19*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0242	EA	12.5 Ton Packaged Rooftop Heat Pump	20,578.16	3,329.71
		For Economizer With Outside Air Control, Add	*3,833.66*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*322.77*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0243	EA	15 Ton Packaged Rooftop Heat Pump	23,398.74	3,585.84
		For Economizer With Outside Air Control, Add	*4,252.32*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*372.35*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0244	EA	17.5 Ton Packaged Rooftop Heat Pump	26,189.94	3,841.98
		For Economizer With Outside Air Control, Add	*4,668.05*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*421.35*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0245	EA	20 Ton Packaged Rooftop Heat Pump	28,981.14	4,098.11
		For Economizer With Outside Air Control, Add	*5,083.77*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*470.34*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	

23 74 16 13-0246 Heating Only Packaged Rooftop Units *(23 74 16 13-0230)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0247	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,349.81	1,707.55
		For Gas Heat, Add	*468.95*	
		For Unit Without Roof Curb, Deduct	*-848.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0248	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,629.08	1,963.68
		For Gas Heat, Add	*551.67*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0249	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,748.53	2,262.56
		For Gas Heat, Add	*762.06*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0250	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,236.79	2,433.31
		For Gas Heat, Add	*861.69*	
		For Unit Without Roof Curb, Deduct	*-848.98*	
23 74 16 13-0251	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,539.18	2,753.45
		For Gas Heat, Add	*1,014.32*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0252	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,484.06	2,966.82
		For Gas Heat, Add	*1,144.77*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0253	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,627.16	3,073.58
		For Gas Heat, Add	*1,361.94*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0254	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,733.76	3,585.84
		For Gas Heat, Add	*1,775.74*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0255	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	35,176.85	3,841.98
		For Gas Heat, Add	*2,359.93*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0256	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	41,006.52	4,098.11
		For Gas Heat, Add	*2,761.17*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0257	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	53,203.83	4,524.99
		For Gas Heat, Add	*3,603.60*	
		For Unit Without Roof Curb, Deduct	*-1,018.87*	
23 74 16 13-0258	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	66,496.10	5,758.22
		For Gas Heat, Add	*4,511.29*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
23 74 16 13-0259	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	74,304.42	5,805.66
		For Gas Heat, Add	*5,046.49*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
23 74 16 13-0260	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	90,431.58	6,787.55
		For Gas Heat, Add	*6,149.21*	
		For Unit Without Roof Curb, Deduct	*-1,473.43*	
23 74 16 13-0261	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	117,276.12	8,751.23
		For Gas Heat, Add	*7,975.96*	
		For Unit Without Roof Curb, Deduct	*-2,219.51*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1006 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1007 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	9,176.45	569.19
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,468.35*	
		For Equipment Base Roof Curb, Add	*1,118.60*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,878.10	645.07
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,237.73*	
		For Equipment Base Roof Curb, Add	*1,452.19*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,558.34	758.91
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,588.05*	
		For Equipment Base Roof Curb, Add	*2,031.85*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,684.51	809.50
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,597.44*	
		For Equipment Base Roof Curb, Add	*2,044.77*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	22,842.98	910.69
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,397.55*	
		For Equipment Base Roof Curb, Add	*2,809.84*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	34,686.11	1,138.36
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,836.65*	
		For Equipment Base Roof Curb, Add	*4,278.85*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1007 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	19,074.09	569.19
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,437.64*	
		For Equipment Base Roof Curb, Add	*2,355.80*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	27,325.03	645.07
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,871.81*	
		For Equipment Base Roof Curb, Add	*3,383.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	33,869.77	758.91
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,781.48*	
		For Equipment Base Roof Curb, Add	*4,195.78*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	43,839.14	910.69
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*12,696.40*	
		For Equipment Base Roof Curb, Add	*5,434.36*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	70,988.87	1,138.36
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*20,727.48*	
		For Equipment Base Roof Curb, Add	*8,816.69*	

23 74 23 13-0015 Direct Gas-Fired Make-Up Air Heaters *(23 74 23 13)*

Note: Direct gas fired heaters supply heated air into a building by passing fresh air directly over a gas flame in the air stream. Includes motorized intake air damper, intake hood, intake plenum, and factory pre-wired packaged control system. Excludes crane and associated personnel.

23 74 23 13-0016	EA	2,000 CFM, 188 MBH Input, 1 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	25,451.81	822.15
23 74 23 13-0017	EA	3,000 CFM, 282 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	31,419.78	822.15
23 74 23 13-0018	EA	4,000 CFM, 376 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	33,454.30	1,037.18
23 74 23 13-0019	EA	5,000 CFM, 470 MBH Input, 3 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	35,764.48	1,037.18
23 74 23 13-0020	EA	7,500 CFM, 705 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 15" blowers.	40,840.17	1,264.85
23 74 23 13-0021	EA	10,000 CFM, 939 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	43,940.70	1,454.58
23 74 23 13-0022	EA	12,000 CFM, 1,127 MBH Input, 7.5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	48,360.84	1,454.58
23 74 23 13-0023	EA	18,000 CFM, 1,690 MBH Input, 10 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	51,134.63	1,656.96
23 74 23 13-0024	EA	20,000 CFM, 1,878 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	56,448.04	1,656.96
23 74 23 13-0025	EA	26,000 CFM, 2,442 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	57,191.92	1,656.96
23 74 23 13-0026	EA	28,000 CFM, 2,630 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	59,779.03	1,859.32
23 74 23 13-0027	EA	35,000 CFM, 3,287 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	73,794.12	1,859.32
23 74 23 13-0028	EA	40,000 CFM, 3,757 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	81,142.06	2,074.36
23 74 23 13-0029	EA	45,000 CFM, 4,226 MBH Input, 25 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	90,767.81	2,074.36
23 74 23 13-0030	EA	50,000 CFM, 4,696 MBH Input, 30 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	100,393.56	2,074.36
23 74 23 13-0031	EA	55,000 CFM, 5,165 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	110,019.31	2,074.36
23 74 23 13-0032	EA	65,000 CFM, 6,104 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	129,270.81	2,074.36
23 74 23 13-0033	EA	70,000 CFM, 6,574 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	152,790.01	2,276.72
23 74 23 13-0034	EA	90,000 CFM, 8,452 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	195,143.31	2,276.72
23 74 23 13-0035	EA	100,000 CFM, 9,391 MBH Input, 60 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	216,319.96	2,276.72
23 74 23 13-0036	EA	110,000 CFM, 10,33 0MBH Input, 75 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	237,496.61	2,276.72
23 74 23 13-0037	EA	120,000 CFM, 11,270 MBH Input, 100 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	258,673.26	2,276.72

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,726.61	410.56
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,039.53	478.98
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,640.75	547.40
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,874.33	615.84
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,301.42	684.26
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,554.36	752.68

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,247.45	377.74
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,351.32	389.96
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,983.55	541.58
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,574.83	639.30
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,257.09	935.92
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,612.43	998.30
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,728.20	1,123.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,531.91	1,403.86
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,535.34	1,835.14
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,856.72	1,871.82
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,530.02	2,079.85
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	18,108.39	3,249.73
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,325.81	3,391.00
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	22,568.92	3,545.11

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,211.69	256.60
		For >35 To 70, Deduct	*-50.96*	
		For >70 To 100, Deduct	*-84.93*	
		For >100, Deduct	*-118.90*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,303.94	288.57
		For >35 To 70, Deduct	*-51.82*	
		For >70 To 100, Deduct	*-86.37*	
		For >100, Deduct	*-120.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,438.97	307.54
		For >35 To 70, Deduct	*-54.69*	
		For >70 To 100, Deduct	*-91.16*	
		For >100, Deduct	*-127.62*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,635.40	330.57
		For >35 To 70, Deduct	*-59.24*	
		For >70 To 100, Deduct	*-98.73*	
		For >100, Deduct	*-138.22*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,327.52	256.06
		For >35 To 70, Deduct	*-54.49*	
		For >70 To 100, Deduct	*-90.81*	
		For >100, Deduct	*-127.14*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,457.54	288.57
		For >35 To 70, Deduct	*-56.43*	
		For >70 To 100, Deduct	*-94.05*	
		For >100, Deduct	*-131.67*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,550.27	307.54
		For >35 To 70, Deduct	*-58.03*	
		For >70 To 100, Deduct	*-96.72*	
		For >100, Deduct	*-135.41*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,782.33	330.57
		For >35 To 70, Deduct	*-63.64*	
		For >70 To 100, Deduct	*-106.07*	
		For >100, Deduct	*-148.50*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	129.74	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	146.80	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	163.88	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	273.70	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0001		**Single Package Vertical Wall Cooling Unit** *(23 81 13 13)* Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1007 for crane lifting equipment.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,391.18	311.57
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,961.99	326.40
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	11,716.71	341.24
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	13,473.62	370.92
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,898.13	430.26
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	18,133.32	534.11
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	20,076.09	593.46
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	22,108.22	667.64
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	24,876.97	801.17
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	32,157.20	994.05
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	38,364.31	1,335.28
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	53,781.70	1,632.02
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	61,962.07	1,943.59
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	74,051.81	2,180.97
23 81 16		**Room Air-Conditioners** *(23 81)* Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		Window Unit, Room Air-Conditioners *(23 81 16)*		
23 81 16 00-0002		Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0003		Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	717.85	143.70
		For >10 To 50, Deduct	*-21.52*	
		For >50 To 75, Deduct	*-30.13*	
		For >75 To 100, Deduct	*-43.05*	
		For >100, Deduct	*-51.66*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	761.11	143.70
		For >10 To 50, Deduct	*-23.69*	
		For >50 To 75, Deduct	*-33.16*	
		For >75 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-56.85*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	869.26	143.70
		For >10 To 50, Deduct	*-29.09*	
		For >50 To 75, Deduct	*-40.73*	
		For >75 To 100, Deduct	*-58.19*	
		For >100, Deduct	*-69.82*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	1,020.68	143.70
		For >10 To 50, Deduct	*-36.66*	
		For >50 To 75, Deduct	*-51.33*	
		For >75 To 100, Deduct	*-73.33*	
		For >100, Deduct	*-87.99*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	1,215.36	143.70
		For >10 To 50, Deduct	*-46.40*	
		For >50 To 75, Deduct	*-64.96*	
		For >75 To 100, Deduct	*-92.80*	
		For >100, Deduct	*-111.36*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,431.67	143.70
		For >10 To 50, Deduct	*-57.21*	
		For >50 To 75, Deduct	*-80.10*	
		For >75 To 100, Deduct	*-114.43*	
		For >100, Deduct	*-137.31*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	1,345.15	143.70
		For >10 To 50, Deduct	*-52.89*	
		For >50 To 75, Deduct	*-74.04*	
		For >75 To 100, Deduct	*-105.78*	
		For >100, Deduct	*-126.93*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,453.30	143.70
		For >10 To 50, Deduct	*-58.30*	
		For >50 To 75, Deduct	*-81.61*	
		For >75 To 100, Deduct	*-116.59*	
		For >100, Deduct	*-139.91*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,539.82	143.70
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,626.35	143.70
		For >10 To 50, Deduct	*-66.95*	
		For >50 To 75, Deduct	*-93.73*	
		For >75 To 100, Deduct	*-133.90*	
		For >100, Deduct	*-160.68*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,799.40	143.70
		For >10 To 50, Deduct	*-75.60*	
		For >50 To 75, Deduct	*-105.84*	
		For >75 To 100, Deduct	*-151.20*	
		For >100, Deduct	*-181.44*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,821.03	143.70
		For >10 To 50, Deduct	*-76.68*	
		For >50 To 75, Deduct	*-107.35*	
		For >75 To 100, Deduct	*-153.36*	
		For >100, Deduct	*-184.04*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	2,058.05	143.70
		For >10 To 50, Deduct	*-88.53*	
		For >50 To 75, Deduct	*-123.95*	
		For >75 To 100, Deduct	*-177.07*	
		For >100, Deduct	*-212.48*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,478.05	143.70
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,610.48	143.70
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,670.67	143.70
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,694.75	143.70
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	1,911.45	143.70
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,453.21	143.70
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	2,633.79	143.70
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,874.57	143.70

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,539.82	143.70
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,777.77	143.70
		For >10 To 50, Deduct	*-74.52*	
		For >50 To 75, Deduct	*-104.33*	
		For >75 To 100, Deduct	*-149.04*	
		For >100, Deduct	*-178.85*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,907.55	143.70
		For >10 To 50, Deduct	*-81.01*	
		For >50 To 75, Deduct	*-113.41*	
		For >75 To 100, Deduct	*-162.02*	
		For >100, Deduct	*-194.42*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	2,383.43	143.70
		For >10 To 50, Deduct	*-104.80*	
		For >50 To 75, Deduct	*-146.72*	
		For >75 To 100, Deduct	*-209.60*	
		For >100, Deduct	*-251.52*	

23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*

23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,754.94	143.70

23 81 16 00-0034 Accessories *(23 81 16 00-0001)*

23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	652.17	74.51

23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*

Note: Includes storage and cleaning.

23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	171.07	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	376.39	

23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners *(23 81 16)*

Note: Base unit excludes wall sleeve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0040		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0041		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,107.00	102.63
		For >10 To 50, Deduct	*-45.09*	
		For >50 To 75, Deduct	*-63.12*	
		For >75 To 100, Deduct	*-90.17*	
		For >100, Deduct	*-108.21*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,191.27	102.63
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,347.78	102.63
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,191.27	102.63
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,347.78	102.63
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0047		Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0048		Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,383.90	102.63
		For >10 To 50, Deduct	*-58.93*	
		For >50 To 75, Deduct	*-82.50*	
		For >75 To 100, Deduct	*-117.86*	
		For >100, Deduct	*-141.43*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,480.21	102.63
		For >10 To 50, Deduct	*-63.75*	
		For >50 To 75, Deduct	*-89.25*	
		For >75 To 100, Deduct	*-127.49*	
		For >100, Deduct	*-152.99*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 23		**Computer-Room Air-Conditioners** *(23 81)*		
		Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12		**Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units** *(23 81 23)*		
23 81 23 12-0001		Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*		
		Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	44,156.28	2,920.96
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*4,971.25*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	48,736.34	3,194.81
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*5,489.70*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	72,820.93	3,651.21
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*8,423.79*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	77,610.69	3,879.41
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*8,980.08*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	82,400.46	4,107.61
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*9,536.38*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type	96,999.71	4,929.13
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	*11,195.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	109,628.86	5,476.81
		For Liebert Unit, Add	*12,685.37*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	120,998.29	5,657.45
		For Liebert Unit, Add	*14,067.61*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	131,054.15	5,841.93
		For Liebert Unit, Add	*15,285.20*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	141,695.68	6,572.17
		For Liebert Unit, Add	*16,490.07*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,395.50	2,001.45
		For Liebert Unit, Add	*2,965.86*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	28,372.49	2,217.00
		For Liebert Unit, Add	*3,177.06*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,162.36	3,376.82
		For Liebert Unit, Add	*3,832.49*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,750.28	3,421.29
		For Liebert Unit, Add	*4,023.63*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	38,165.08	3,558.15
		For Liebert Unit, Add	*4,175.33*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	39,088.45	3,900.27
		For Liebert Unit, Add	*4,236.01*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	41,474.91	4,242.41
		For Liebert Unit, Add	*4,478.72*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,495.35	1,825.60
		For Liebert Unit, Add	*2,220.88*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	22,545.81	1,916.88
		For Liebert Unit, Add	*2,460.05*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	29,173.34	2,008.16
		For Liebert Unit, Add	*3,271.53*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,443.62	2,190.72
		For Liebert Unit, Add	*3,519.24*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,084.05	2,282.28
		For Liebert Unit, Add	*3,707.16*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,724.50	2,373.28
		For Liebert Unit, Add	*3,895.08*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,098.15	2,555.85
		For Liebert Unit, Add	*4,031.75*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,693.67	2,738.41
		For Liebert Unit, Add	*4,202.59*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	38,832.21	2,920.96
		For Liebert Unit, Add	*4,312.68*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	44,362.37	3,468.65
		For Liebert Unit, Add	*4,897.32*	

23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	53,539.61	2,001.45
		For Drycooler, Add	*19,139.16*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	57,612.23	2,217.00
		For Drycooler, Add	*20,607.68*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	75,370.48	2,483.86
		For Drycooler, Add	*26,876.44*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	87,202.91	2,750.72
		For Drycooler, Add	*31,071.16*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	92,131.33	2,884.15
		For Drycooler, Add	*32,822.80*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	98,391.89	3,017.59
		For Drycooler, Add	*35,040.68*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	105,068.36	3,151.70
		For Drycooler, Add	*37,404.13*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	112,821.92	3,270.76
		For Drycooler, Add	*40,144.56*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	120,152.63	3,421.29
		For Drycooler, Add	*42,741.10*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	131,809.20	3,558.15
		For Drycooler, Add	*46,847.59*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	136,624.23	3,900.27
		For Drycooler, Add	*48,598.54*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	166,591.86	4,242.41
		For Drycooler, Add	*59,153.92*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,737.03	
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,280.86	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	17,505.06	867.64
		For Liebert Unit, Add	*2,025.52*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	19,358.56	1,041.99
		For Liebert Unit, Add	*2,224.54*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	22,115.11	1,304.06
		For Liebert Unit, Add	*2,520.01*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	27,168.50	1,521.38
		For Liebert Unit, Add	*3,110.96*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	36,821.94	1,653.58
		For Liebert Unit, Add	*4,292.84*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,714.75	451.61
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,939.71	492.67
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,672.44	547.40
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,079.74	602.14
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,273.18	656.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,300.32	684.26
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,008.94	729.42
23 81 26 13-0011		**Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners** *(23 81 26 13-0002)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,170.82	218.96
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,237.58	232.65
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,305.45	246.33
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,475.45	260.02
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,578.12	273.70
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,232.16	328.44
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,575.51	355.81
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	5,647.05	383.19
23 81 26 13-0020		**Suspended Ceiling Mounted Ductless Split System Air Conditioners** *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,714.57	656.89
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,182.98	784.16
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,981.08	821.11
23 81 26 13-0024		**Recessed Ceiling Mounted Ductless Split System Air Conditioners** *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,126.93	547.40
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,810.28	602.14
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,683.10	711.63
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,734.11	784.16
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,756.65	821.11
23 81 26 13-0030		**Ductless Split System Accessories** *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.48	1.97
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.89	2.16
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.74	2.37
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.99	3.68
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.47	4.04
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.66	4.45
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.42	7.36
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	106.33	8.09
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.70	8.90
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	85.74	7.84
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.52	8.63
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	155.21	9.50
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.42	7.36
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	106.33	8.09
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.70	8.90
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	84.24	12.26
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	122.67	13.49
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	146.60	14.83
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.08	2.45
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.02	7.36
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	84.01	8.09
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.06	7.36
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.17	8.09
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	69.10	8.90
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	225.61	9.81
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	255.86	10.79
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	146.12	36.77
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	160.99	39.22
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	218.02	41.67
23 81 26 13-0060	EA	End Cap, Set of 4	24.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	309.76	73.55
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	328.86	78.45
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.34	0.19
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.46	0.19
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	975.71	135.48
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	1,015.75	145.64
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,216.48	155.80
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,391.87	165.96
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,619.67	172.73
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,813.64	179.51
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,947.86	193.05
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,956.93	203.22
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,208.00	138.87
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,395.48	146.65
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,604.18	155.80
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,661.89	161.42
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,739.76	169.34
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,757.54	178.15
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,774.98	186.96
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,047.32	138.87
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,263.07	155.80
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,463.49	169.34
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,772.17	186.96
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		
23 81 26 16-0002		Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	19,990.02	718.47
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	21,672.37	855.33
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	24,398.35	1,026.39
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	30,041.12	1,060.60
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	39,970.01	1,094.82
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	41,447.07	1,129.03
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	42,924.14	1,163.24
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	45,444.84	1,231.66
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	47,965.54	1,300.09
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	53,676.74	1,368.52
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	59,387.95	1,436.94
23 81 26 16-0014		Indoor Units *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	2,070.12	222.38
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	2,176.57	239.49
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	2,270.98	256.60
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,383.44	273.70
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,582.41	325.02
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,884.19	393.45
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	3,124.80	427.66
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,999.50	244.63
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	3,103.36	263.44
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	3,273.43	282.26
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,551.85	301.07
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,749.04	357.53
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	4,116.29	432.79
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	4,328.50	451.61
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	4,564.79	470.42
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	5,062.20	517.47
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	5,611.17	569.21
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	6,074.15	626.14
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	7,698.32	688.75
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	8,739.04	757.62
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	3,409.48	282.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,595.19	301.07
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,795.99	357.53
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	4,255.95	432.79
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,585.26	470.42
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	5,610.00	517.48
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	3,065.72	244.63
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	3,223.76	263.44
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,466.06	282.26
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,648.17	301.07
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,838.49	263.44
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,984.48	282.26
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	3,136.48	301.07
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	10,824.85	205.28
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	12,518.62	239.49
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	13,833.14	273.70
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	16,417.86	307.91
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	6,034.67	136.86
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	9,295.81	205.28
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	14,208.59	307.91
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	7,658.42	205.28
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	14,496.94	205.28
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	14,703.81	239.49
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	3,051.05	171.07
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,889.44	177.91
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,637.55	184.75
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	8,459.06	205.28
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	1,071.53	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	282.14	51.45
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	282.14	51.45
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	313.00	54.17
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	392.76	60.93
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	513.14	88.01
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	869.76	176.03
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	157.71	21.67
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	177.57	29.79
23 81 26 16-0074		**Split System Air Conditioners (Daikin VRV)** *(23 81 26 16)*		
23 81 26 16-0075		**Heat Pump Outdoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	27,034.60	718.47
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	30,227.34	855.33
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	33,713.04	1,026.39
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	42,089.47	1,060.60
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	56,372.40	1,129.03
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	59,584.40	1,163.24
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	62,640.28	1,231.66
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	65,920.71	1,300.09
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	85,368.07	1,368.52
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	88,648.50	1,436.94
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	91,928.91	1,505.37
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	94,984.80	1,573.80
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	98,265.23	1,642.22
23 81 26 16-0089		**Heat Recovery Heat Pump Outdoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	34,623.46	934.01
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	37,773.32	1,111.92
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	41,514.18	1,334.31
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	52,156.55	1,378.78
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	70,522.27	1,467.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,000.21	1,512.21
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	78,872.60	1,601.17
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	81,745.00	1,690.12
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,632.84	1,779.07
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	110,505.24	1,868.03
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	116,072.12	1,956.98
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	118,944.52	2,045.93
23 81 26 16-0102		**Indoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,105.68	239.49
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,244.35	246.33
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,669.47	256.60
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,115.61	325.02
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,519.35	393.45
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,543.20	263.44
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,695.94	270.97
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,932.47	150.54
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,241.88	357.53
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,212.20	432.79
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,103.02	470.42
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,591.11	517.47
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,853.48	569.21
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,081.25	263.44
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,202.21	270.97
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,531.95	282.26
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,904.91	357.53
23 81 26 16-0120		**Branch Selector Boxes** *(23 81 26 16-0074)*		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,435.54	307.91
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,826.11	410.56
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	3,048.69	136.86
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,111.25	205.28
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	5,106.66	307.91
23 81 26 16-0126		**Controllers** *(23 81 26 16-0074)*		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	962.15	27.37
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	699.48	27.37
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,341.33	27.37
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,873.02	27.37
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	17,477.13	328.44
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,239.33	27.37
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)	714.18	48.29
23 81 26 16-0134		**Energy Recovery Units** *(23 81 26 16-0074)*		
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,339.22	171.07
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,924.69	177.91
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,285.62	184.75
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,454.80	205.28

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-1007 for crane lifting equipment.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,443.15	222.54
		For Unit Economizer, Add	*324.83*	
		For >35 To 70, Deduct	*-60.39*	
		For >70 To 100, Deduct	*-100.64*	
		For >100, Deduct	*-140.90*	
		For Low Ambient Protection, 0 Degree F, Add	*288.73*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,696.47	237.39
		For Unit Economizer, Add	*359.11*	
		For >35 To 70, Deduct	*-67.10*	
		For >70 To 100, Deduct	*-111.83*	
		For >100, Deduct	*-156.56*	
		For Low Ambient Protection, 0 Degree F, Add	*316.27*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,575.17	237.39
		For Unit Economizer, Add	*622.13*	
		For >35 To 70, Deduct	*-123.46*	
		For >70 To 100, Deduct	*-205.76*	
		For >100, Deduct	*-288.07*	
		For Low Ambient Protection, 0 Degree F, Add	*485.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,007.41	237.39
		For Unit Economizer, Add	*681.45*	
		For >35 To 70, Deduct	*-135.53*	
		For >70 To 100, Deduct	*-225.89*	
		For >100, Deduct	*-316.25*	
		For Low Ambient Protection, 0 Degree F, Add	*257.93*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,663.33	252.22
		For Unit Economizer, Add	*772.10*	
		For >35 To 70, Deduct	*-154.32*	
		For >70 To 100, Deduct	*-257.20*	
		For >100, Deduct	*-360.08*	
		For Low Ambient Protection, 0 Degree F, Add	*284.14*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,931.71	267.06
		For Unit Economizer, Add	*809.67*	
		For >35 To 70, Deduct	*-162.37*	
		For >70 To 100, Deduct	*-270.62*	
		For >100, Deduct	*-378.87*	
		For Low Ambient Protection, 0 Degree F, Add	*833.44*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,677.07	267.06
		For Unit Economizer, Add	*912.83*	
		For >35 To 70, Deduct	*-183.84*	
		For >70 To 100, Deduct	*-306.41*	
		For >100, Deduct	*-428.97*	
		For Low Ambient Protection, 0 Degree F, Add	*933.89*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,362.88	281.89
		For Unit Economizer, Add	*1,008.25*	
		For >35 To 70, Deduct	*-203.97*	
		For >70 To 100, Deduct	*-339.95*	
		For >100, Deduct	*-475.94*	
		For Low Ambient Protection, 0 Degree F, Add	*1,024.83*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,480.71	326.40
		For Unit Economizer, Add	*1,161.19*	
		For >35 To 70, Deduct	*-234.84*	
		For >70 To 100, Deduct	*-391.40*	
		For >100, Deduct	*-547.95*	
		For Low Ambient Protection, 0 Degree F, Add	*1,180.83*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,502.78	385.75
		For Unit Economizer, Add	*2,138.94*	
		For >35 To 70, Deduct	*-441.49*	
		For >70 To 100, Deduct	*-735.82*	
		For >100, Deduct	*-1,030.15*	
		For Low Ambient Protection, 0 Degree F, Add	*2,109.72*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,959.92	489.60
		For Unit Economizer, Add	*2,754.63*	
		For >35 To 70, Deduct	*-568.98*	
		For >70 To 100, Deduct	*-948.29*	
		For >100, Deduct	*-1,327.61*	
		For Low Ambient Protection, 0 Degree F, Add	*438.17*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	24,357.94	548.95
		For Unit Economizer, Add	*3,366.20*	
		For >35 To 70, Deduct	*-697.80*	
		For >70 To 100, Deduct	*-1,163.00*	
		For >100, Deduct	*-1,628.20*	
		For Low Ambient Protection, 0 Degree F, Add	*507.08*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	30,038.09	623.13
		For Unit Economizer, Add	*4,156.08*	
		For >35 To 70, Deduct	*-864.20*	
		For >70 To 100, Deduct	*-1,440.33*	
		For >100, Deduct	*-2,016.47*	
		For Low Ambient Protection, 0 Degree F, Add	*595.92*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	39,982.72	667.64
		For Unit Economizer, Add	*5,544.17*	
		For >35 To 70, Deduct	*-1,159.42*	
		For >70 To 100, Deduct	*-1,932.37*	
		For >100, Deduct	*-2,705.32*	
		For Low Ambient Protection, 0 Degree F, Add	*720.29*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	48,152.97	726.99
		For Unit Economizer, Add	*6,683.26*	
		For >35 To 70, Deduct	*-1,400.97*	
		For >70 To 100, Deduct	*-2,334.95*	
		For >100, Deduct	*-3,268.93*	
		For Low Ambient Protection, 0 Degree F, Add	*830.48*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1007 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,750.36	296.74
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,540.72	326.40
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,855.09	341.24
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,708.91	370.92
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,382.78	430.26
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,959.95	489.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,735.83	548.95
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,953.27	608.29
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	12,357.03	726.99

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,791.06	143.70
		For >10 To 50, Deduct	*-75.18*	
		For >50 To 75, Deduct	*-105.26*	
		For >75 To 100, Deduct	*-150.37*	
		For >100, Deduct	*-180.44*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,007.76	143.70
		For >10 To 50, Deduct	*-86.02*	
		For >50 To 75, Deduct	*-120.43*	
		For >75 To 100, Deduct	*-172.04*	
		For >100, Deduct	*-206.44*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	2,332.82	143.70
		For >10 To 50, Deduct	*-102.27*	
		For >50 To 75, Deduct	*-143.18*	
		For >75 To 100, Deduct	*-204.54*	
		For >100, Deduct	*-245.45*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,693.99	143.70
		For >10 To 50, Deduct	*-120.33*	
		For >50 To 75, Deduct	*-168.46*	
		For >75 To 100, Deduct	*-240.66*	
		For >100, Deduct	*-288.79*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,769.15	102.63
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	1,769.15	102.63
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*400.76*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,592.21	270.96
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,777.73	270.96
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,693.57	298.05
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,040.47	325.15
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,548.15	352.24
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,921.61	379.34
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,099.48	406.43
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,936.98	433.53
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,609.56	460.63
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,766.83	487.72

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Air-Cooled, Outdoor Section *(23 81 49)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,119.41	440.64
		For Low Ambient Protection, 0 Degree F, Add	*923.71*	
		For Winterstart Control, Add	*244.83*	
		For 15 SEER, Add	*801.32*	
		For 16 SEER, Add	*1,291.01*	
		For 18 SEER, Add	*1,958.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	5,280.35	489.60
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*957.01*	
		For Winterstart Control, Add	*255.72*	
		For 15 SEER, Add	*816.94*	
		For 16 SEER, Add	*1,316.17*	
		For 18 SEER, Add	*1,996.95*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,770.03	568.24
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*1,049.75*	
		For Winterstart Control, Add	*282.43*	
		For 15 SEER, Add	*883.71*	
		For 16 SEER, Add	*1,423.76*	
		For 18 SEER, Add	*2,160.18*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	6,299.57	652.81
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*884.54*	
		For Winterstart Control, Add	*311.33*	
		For 15 SEER, Add	*955.88*	
		For 16 SEER, Add	*1,540.02*	
		For 18 SEER, Add	*2,336.58*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	6,499.09	678.03
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*913.42*	
		For Winterstart Control, Add	*321.59*	
		For 15 SEER, Add	*984.95*	
		For 16 SEER, Add	*1,586.87*	
		For 18 SEER, Add	*2,407.67*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	7,218.97	778.91
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*1,010.93*	
		For Winterstart Control, Add	*355.52*	
		For 15 SEER, Add	*1,099.12*	
		For 16 SEER, Add	*1,770.81*	
		For 18 SEER, Add	*2,686.74*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	8,218.81	856.81
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*655.74*	
		For Winterstart Control, Add	*192.35*	
		For 15 SEER, Add	*1,259.06*	
		For 16 SEER, Add	*2,028.49*	
		For 18 SEER, Add	*3,077.71*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	8,291.04	957.96
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*688.26*	
		For Winterstart Control, Add	*206.08*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	11,444.79	1,149.56
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*491.81*	
		For Winterstart Control, Add	*262.48*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	15,029.12	1,341.15
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*558.44*	
		For Winterstart Control, Add	*322.31*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	26,871.34	1,436.94
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*593.69*	
		For Winterstart Control, Add	*453.43*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,439.84	146.43
		For Additional 5 KW Electric Heat, Add	*129.27*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,591.45	182.43
		For Additional 5 KW Electric Heat, Add	*140.90*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,667.97	220.33
		For Additional 5 KW Electric Heat, Add	*144.72*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,239.93	257.96
		For Additional 5 KW Electric Heat, Add	*198.17*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,305.86	290.81
		For Additional 5 KW Electric Heat, Add	*201.47*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,560.00	333.92
		For Additional 5 KW Electric Heat, Add	*222.62*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,428.13	547.40
		For Additional 5 KW Electric Heat, Add	*488.07*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,962.84	615.84
		For Additional 5 KW Electric Heat, Add	*734.71*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	11,133.42	684.26
		For Additional 5 KW Electric Heat, Add	*1,044.92*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,663.00	821.11
		For Additional 5 KW Electric Heat, Add	*1,184.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0024		Ductless Split System Heat Pumps *(23 81 49)* Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025		Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*		
23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,939.19	451.61
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,247.19	492.67
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,959.72	547.40
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,556.67	602.14
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,451.98	656.89
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,470.89	684.26
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,194.10	729.42
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,220.20	218.96
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,288.07	232.65
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,357.07	246.33
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,543.90	260.02
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,645.45	273.70
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,647.37	328.44
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	4,321.77	355.81
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	7,001.53	383.19
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,894.12	656.89
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,368.14	784.16
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	10,093.30	821.11
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,575.80	547.40
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,188.45	602.14
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,862.65	711.63
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,919.27	784.16
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,868.86	821.11

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,194.78	67.74
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,651.94	92.13
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,906.76	144.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,912.54	207.28
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,260.29	254.70
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,996.17	308.89
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,484.30	357.66
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,084.20	631.87
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,043.51	240.20
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,452.26	409.01
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,213.48	508.04
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,893.41	613.58
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,609.89	714.52
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	434.11	36.02
23 82 16 11-0017		**4 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,720.27	140.90
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,386.54	203.22
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,959.80	338.70
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,261.16	502.63
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,383.19	616.42
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,957.16	753.25
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,070.90	903.64
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,769.38	1,051.85
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,840.08	453.99
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,690.12	682.81
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,618.14	846.73
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,706.49	1,020.15
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,720.22	1,192.61
23 82 16 11-0031		**6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,851.04	178.83
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,513.40	265.54
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,104.33	452.49
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,262.54	677.39
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,876.74	846.73
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,324.02	1,041.82
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,328.33	1,231.50
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,535.81	1,435.12
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,541.57	620.35
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,875.57	930.46
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,192.16	1,165.11
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,465.12	1,399.62
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,745.91	1,628.31
23 82 16 11-0045		**8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,818.54	215.41
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,862.01	330.57
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,695.34	589.33
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,477.24	903.64
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,757.37	1,129.88
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,956.21	1,354.78
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	18,370.24	1,505.16
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,490.38	1,745.90
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,725.63	755.97
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,414.57	1,136.52
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,939.62	1,415.75
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,386.19	1,693.48
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,910.12	1,992.34

23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,713.38	182.90
		For 10 Fins Per Inch, Add	*26.94*	
		For 12 Fins Per Inch, Add	*67.36*	
		For 230 PSIG Heavy-Duty, Add	*379.29*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,549.23	234.38
		For 10 Fins Per Inch, Add	*41.64*	
		For 12 Fins Per Inch, Add	*104.10*	
		For 230 PSIG Heavy-Duty, Add	*556.56*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	3,094.61	322.43
		For 10 Fins Per Inch, Add	*48.99*	
		For 12 Fins Per Inch, Add	*122.47*	
		For 230 PSIG Heavy-Duty, Add	*683.44*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,658.86	452.49
		For 10 Fins Per Inch, Add	*55.11*	
		For 12 Fins Per Inch, Add	*137.78*	
		For 230 PSIG Heavy-Duty, Add	*822.09*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,145.67	541.91
		For 10 Fins Per Inch, Add	*61.24*	
		For 12 Fins Per Inch, Add	*153.09*	
		For 230 PSIG Heavy-Duty, Add	*937.52*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,845.29	677.39
		For 10 Fins Per Inch, Add	*69.81*	
		For 12 Fins Per Inch, Add	*174.53*	
		For 230 PSIG Heavy-Duty, Add	*1,104.54*	
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,424.48	751.90
		For 10 Fins Per Inch, Add	*78.38*	
		For 12 Fins Per Inch, Add	*195.96*	
		For 230 PSIG Heavy-Duty, Add	*1,235.43*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,722.63	874.24
		For 10 Fins Per Inch, Add	*99.35*	
		For 12 Fins Per Inch, Add	*248.39*	
		For 230 PSIG Heavy-Duty, Add	*1,520.02*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,902.53	378.80
		For 10 Fins Per Inch, Add	*42.90*	
		For 12 Fins Per Inch, Add	*107.24*	
		For 230 PSIG Heavy-Duty, Add	*656.28*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,353.75	568.33
		For 10 Fins Per Inch, Add	*64.34*	
		For 12 Fins Per Inch, Add	*160.86*	
		For 230 PSIG Heavy-Duty, Add	*984.41*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,545.10	859.60
		For 10 Fins Per Inch, Add	*96.52*	
		For 12 Fins Per Inch, Add	*241.29*	
		For 230 PSIG Heavy-Duty, Add	*1,480.95*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,622.41	996.17
		For 10 Fins Per Inch, Add	*112.60*	
		For 12 Fins Per Inch, Add	*281.50*	
		For 230 PSIG Heavy-Duty, Add	*1,723.71*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	346.80	50.13
		For 10 Fins Per Inch, Add	*4.93*	
		For 12 Fins Per Inch, Add	*12.33*	
		For 230 PSIG Heavy-Duty, Add	*79.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0074		2 Row Hot Water Heating Coils *(23 82 16 11-0059)*		
23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,778.60	226.25
		For 10 Fins Per Inch, Add	*46.54*	
		For 12 Fins Per Inch, Add	*116.35*	
		For 230 PSIG Heavy-Duty, Add	*600.88*	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,990.36	300.76
		For 10 Fins Per Inch, Add	*47.76*	
		For 12 Fins Per Inch, Add	*119.41*	
		For 230 PSIG Heavy-Duty, Add	*658.28*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	4,026.28	452.49
		For 10 Fins Per Inch, Add	*62.46*	
		For 12 Fins Per Inch, Add	*156.15*	
		For 230 PSIG Heavy-Duty, Add	*895.58*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,842.01	644.88
		For 10 Fins Per Inch, Add	*71.04*	
		For 12 Fins Per Inch, Add	*177.59*	
		For 230 PSIG Heavy-Duty, Add	*1,097.43*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,574.27	796.61
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,274.24*	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,915.81	967.31
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,376.70*	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,667.04	1,129.88
		For 10 Fins Per Inch, Add	*88.18*	
		For 12 Fins Per Inch, Add	*220.45*	
		For 230 PSIG Heavy-Duty, Add	*1,559.21*	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,214.25	1,312.78
		For 10 Fins Per Inch, Add	*111.77*	
		For 12 Fins Per Inch, Add	*279.44*	
		For 230 PSIG Heavy-Duty, Add	*1,905.40*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,545.65	566.43
		For 10 Fins Per Inch, Add	*48.26*	
		For 12 Fins Per Inch, Add	*120.64*	
		For 230 PSIG Heavy-Duty, Add	*822.41*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,321.31	850.93
		For 10 Fins Per Inch, Add	*72.39*	
		For 12 Fins Per Inch, Add	*180.97*	
		For 230 PSIG Heavy-Duty, Add	*1,234.46*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,994.86	1,282.97
		For 10 Fins Per Inch, Add	*108.58*	
		For 12 Fins Per Inch, Add	*271.45*	
		For 230 PSIG Heavy-Duty, Add	*1,855.56*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	9,331.18	1,498.66
		For 10 Fins Per Inch, Add	*126.68*	
		For 12 Fins Per Inch, Add	*316.69*	
		For 230 PSIG Heavy-Duty, Add	*2,165.97*	
23 82 16 11-0087		Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,259.70	172.06
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,896.56	170.71
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,556.61	182.90
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,133.92	199.15
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,152.31	208.64
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,029.81	219.48
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,207.89	246.57
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,758.13	276.38
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,478.39	330.57
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,063.41	346.82
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	9,060.55	367.15
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,536.31	502.63
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,495.56	616.42
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,894.68	644.88
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,845.80	751.90
23 82 16 12		**Steam Air Coils** *(23 82 16)*		
23 82 16 12-0001		Steam Heating Coils *(23 82 16 12)*		
		Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,681.32	127.35
		For 2 Row Coil, Add	*855.04*	
		For 4 Row Coil, Add	*2,253.94*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,953.42	176.13
		For 2 Row Coil, Add	*956.40*	
		For 4 Row Coil, Add	*2,514.05*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,838.68	315.66
		For 2 Row Coil, Add	*1,277.63*	
		For 4 Row Coil, Add	*3,341.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,805.48	452.49
		For 2 Row Coil, Add	*1,622.28*	
		For 4 Row Coil, Add	*4,232.76*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,332.98	541.91
		For 2 Row Coil, Add	*1,816.66*	
		For 4 Row Coil, Add	*4,732.43*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,950.82	677.39
		For 2 Row Coil, Add	*2,056.20*	
		For 4 Row Coil, Add	*5,343.21*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,534.93	751.90
		For 2 Row Coil, Add	*2,261.54*	
		For 4 Row Coil, Add	*5,875.23*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,130.14	877.49
		For 2 Row Coil, Add	*2,790.02*	
		For 4 Row Coil, Add	*7,258.72*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,510.22	378.80
		For 2 Row Coil, Add	*1,204.61*	
		For 4 Row Coil, Add	*3,133.99*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,265.31	568.33
		For 2 Row Coil, Add	*1,806.90*	
		For 4 Row Coil, Add	*4,700.96*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,895.08	850.93
		For 2 Row Coil, Add	*2,708.92*	
		For 4 Row Coil, Add	*7,047.92*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	9,217.63	996.17
		For 2 Row Coil, Add	*3,163.75*	
		For 4 Row Coil, Add	*8,230.80*	

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,105.98	101.60
		For 10 Fins Per Inch, Add	*38.05*	
		For 12 Fins Per Inch, Add	*95.11*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,083.85	139.55
		For 10 Fins Per Inch, Add	*76.09*	
		For 12 Fins Per Inch, Add	*190.23*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,616.45	219.48
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,751.27	315.66
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,837.01	386.12
		For 10 Fins Per Inch, Add	*141.26*	
		For 12 Fins Per Inch, Add	*353.14*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,750.55	467.40
		For 10 Fins Per Inch, Add	*156.32*	
		For 12 Fins Per Inch, Add	*390.81*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,030.09	541.91
		For 10 Fins Per Inch, Add	*178.93*	
		For 12 Fins Per Inch, Add	*447.31*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,603.61	631.87
		For 10 Fins Per Inch, Add	*226.80*	
		For 12 Fins Per Inch, Add	*566.99*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,840.11	240.20
		For 10 Fins Per Inch, Add	*87.19*	
		For 12 Fins Per Inch, Add	*217.98*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,201.07	409.01
		For 10 Fins Per Inch, Add	*107.66*	
		For 12 Fins Per Inch, Add	*269.15*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,596.25	613.58
		For 10 Fins Per Inch, Add	*127.38*	
		For 12 Fins Per Inch, Add	*318.45*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,289.59	714.52
		For 10 Fins Per Inch, Add	*137.21*	
		For 12 Fins Per Inch, Add	*343.03*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,512.32	140.90
		For 10 Fins Per Inch, Add	*64.60*	
		For 12 Fins Per Inch, Add	*161.50*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,018.81	203.22
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,798.53	338.70
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,254.73	502.63
		For 10 Fins Per Inch, Add	*145.02*	
		For 12 Fins Per Inch, Add	*362.56*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,518.69	616.42
		For 10 Fins Per Inch, Add	*165.74*	
		For 12 Fins Per Inch, Add	*414.35*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,299.13	753.25
		For 10 Fins Per Inch, Add	*195.88*	
		For 12 Fins Per Inch, Add	*489.69*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,541.90	903.64
		For 10 Fins Per Inch, Add	*214.71*	
		For 12 Fins Per Inch, Add	*536.78*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,145.30	1,051.85
		For 10 Fins Per Inch, Add	*200.83*	
		For 12 Fins Per Inch, Add	*502.08*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,781.96	453.99
		For 10 Fins Per Inch, Add	*137.48*	
		For 12 Fins Per Inch, Add	*343.70*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,853.07	682.81
		For 10 Fins Per Inch, Add	*169.75*	
		For 12 Fins Per Inch, Add	*424.37*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,769.88	1,201.01
		For 10 Fins Per Inch, Add	*247.36*	
		For 12 Fins Per Inch, Add	*618.39*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,895.31	1,399.62
		For 10 Fins Per Inch, Add	*281.92*	
		For 12 Fins Per Inch, Add	*704.81*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,500.06	177.48
		For 10 Fins Per Inch, Add	*82.87*	
		For 12 Fins Per Inch, Add	*207.18*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,145.67	265.54
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,401.01	452.49
		For 10 Fins Per Inch, Add	*129.96*	
		For 12 Fins Per Inch, Add	*324.89*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,359.34	677.39
		For 10 Fins Per Inch, Add	*160.09*	
		For 12 Fins Per Inch, Add	*400.23*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,334.84	846.73
		For 10 Fins Per Inch, Add	*212.83*	
		For 12 Fins Per Inch, Add	*532.07*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,949.86	1,041.82
		For 10 Fins Per Inch, Add	*237.31*	
		For 12 Fins Per Inch, Add	*593.28*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,212.24	1,231.50
		For 10 Fins Per Inch, Add	*274.98*	
		For 12 Fins Per Inch, Add	*687.45*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,229.25	1,435.12
		For 10 Fins Per Inch, Add	*247.18*	
		For 12 Fins Per Inch, Add	*617.95*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,700.79	620.35
		For 10 Fins Per Inch, Add	*169.20*	
		For 12 Fins Per Inch, Add	*423.01*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,306.89	930.46
		For 10 Fins Per Inch, Add	*208.92*	
		For 12 Fins Per Inch, Add	*522.30*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,135.70	1,388.11
		For 10 Fins Per Inch, Add	*247.19*	
		For 12 Fins Per Inch, Add	*617.98*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,570.14	1,628.31
		For 10 Fins Per Inch, Add	*266.27*	
		For 12 Fins Per Inch, Add	*665.67*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,609.50	214.06
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,687.83	330.57
		For 10 Fins Per Inch, Add	*120.54*	
		For 12 Fins Per Inch, Add	*301.35*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,888.92	589.33
		For 10 Fins Per Inch, Add	*174.22*	
		For 12 Fins Per Inch, Add	*435.54*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,012.76	903.64
		For 10 Fins Per Inch, Add	*224.13*	
		For 12 Fins Per Inch, Add	*560.32*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,583.21	1,129.88
		For 10 Fins Per Inch, Add	*266.50*	
		For 12 Fins Per Inch, Add	*666.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,059.48	1,354.78
		For 10 Fins Per Inch, Add	*307.00*	
		For 12 Fins Per Inch, Add	*767.50*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,809.00	1,505.16
		For 10 Fins Per Inch, Add	*355.97*	
		For 12 Fins Per Inch, Add	*889.92*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,395.50	1,745.90
		For 10 Fins Per Inch, Add	*278.08*	
		For 12 Fins Per Inch, Add	*695.19*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,029.76	755.97
		For 10 Fins Per Inch, Add	*190.35*	
		For 12 Fins Per Inch, Add	*475.89*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,024.81	1,136.52
		For 10 Fins Per Inch, Add	*235.03*	
		For 12 Fins Per Inch, Add	*587.58*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,325.61	1,710.54
		For 10 Fins Per Inch, Add	*278.09*	
		For 12 Fins Per Inch, Add	*695.22*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,962.39	1,992.34
		For 10 Fins Per Inch, Add	*299.56*	
		For 12 Fins Per Inch, Add	*748.89*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	677.89	105.38
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	695.44	113.59
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	716.17	124.54
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	723.14	128.64
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	741.05	136.86
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	761.65	147.80
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	878.19	165.59
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	894.88	173.80
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	908.55	179.28
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	928.56	190.23
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,017.70	201.17
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,056.65	220.33
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,095.37	239.49
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,136.37	258.65
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,577.48	361.29
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,866.64	384.56
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,147.39	440.66
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,725.06	488.56
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,904.78	530.99
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,278.36	582.99
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,273.95	622.68
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,796.90	669.21
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,055.92	722.58
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,952.28	785.53

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,127.13	150.54
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,161.14	164.23
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,174.63	164.23
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,269.60	180.64
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,326.24	180.64
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,356.39	180.64
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,424.04	201.17
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,485.15	225.81
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,515.30	225.81
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,705.99	258.65
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,187.78	258.65
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,323.44	280.54
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,735.57	301.07
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,254.03	301.07
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,552.08	314.76
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,731.84	314.76

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,064.98	219.48
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,481.97	256.06
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.56*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,141.39	288.57
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.83*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,760.49	330.57
		For 2-Way Valve Instead Of 3-Way, Deduct	*-68.04*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,388.50	346.82
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.11*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,970.85	367.15
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.92*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,223.75	398.31
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.77*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,526.51	219.48
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.85*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,091.46	256.06
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.56*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,301.77	288.57
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.83*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,809.18	330.57
		For 2-Way Valve Instead Of 3-Way, Deduct	*-68.04*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,266.11	348.17
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.11*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,728.80	367.15
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.92*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,429.64	398.31
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.77*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	12,193.89	413.21
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.98*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,630.21	430.14
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.52*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,670.85	447.08
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.06*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,950.72	218.12
		For Fan Coil Units Without Cabinet, Deduct	*-398.91*	
		For Thru-Wall Sleeve, Add	*142.41*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.85*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,367.71	256.06
		For Fan Coil Units Without Cabinet, Deduct	*-454.03*	
		For Thru-Wall Sleeve, Add	*157.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.56*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,004.26	288.57
		For Fan Coil Units Without Cabinet, Deduct	*-542.99*	
		For Thru-Wall Sleeve, Add	*170.30*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.83*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,602.80	330.57
		For Fan Coil Units Without Cabinet, Deduct	*-624.33*	
		For Thru-Wall Sleeve, Add	*187.17*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-68.04*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,207.98	348.17
		For Fan Coil Units Without Cabinet, Deduct	*-711.72*	
		For Thru-Wall Sleeve, Add	*193.95*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.11*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,730.89	367.15
		For Fan Coil Units Without Cabinet, Deduct	*-936.40*	
		For Thru-Wall Sleeve, Add	*201.46*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.92*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,938.10	398.31
		For Fan Coil Units Without Cabinet, Deduct	*-1,111.02*	
		For Thru-Wall Sleeve, Add	*214.39*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.77*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,348.55	218.12
		For Fan Coil Units Without Cabinet, Deduct	*-608.58*	
		For Thru-Wall Sleeve, Add	*142.41*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.85*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,892.14	256.06
		For Fan Coil Units Without Cabinet, Deduct	*-682.70*	
		For Thru-Wall Sleeve, Add	*157.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-60.56*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,052.63	288.57
		For Fan Coil Units Without Cabinet, Deduct	*-850.24*	
		For Thru-Wall Sleeve, Add	*170.30*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.83*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,919.30	330.57
		For Fan Coil Units Without Cabinet, Deduct	*-971.81*	
		For Thru-Wall Sleeve, Add	*187.17*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-68.04*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,735.49	348.17
		For Fan Coil Units Without Cabinet, Deduct	*-1,090.85*	
		For Thru-Wall Sleeve, Add	*193.95*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.11*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,337.65	367.15
		For Fan Coil Units Without Cabinet, Deduct	*-1,327.42*	
		For Thru-Wall Sleeve, Add	*201.46*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.92*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,966.88	398.31
		For Fan Coil Units Without Cabinet, Deduct	*-1,565.34*	
		For Thru-Wall Sleeve, Add	*214.39*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.77*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,032.12	413.21
		For Fan Coil Units Without Cabinet, Deduct	*-1,722.18*	
		For Thru-Wall Sleeve, Add	*220.28*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.98*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,306.66	430.14
		For Fan Coil Units Without Cabinet, Deduct	*-1,909.97*	
		For Thru-Wall Sleeve, Add	*227.06*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.52*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	14,199.14	430.14
		For Fan Coil Units Without Cabinet, Deduct	*-2,040.46*	
		For Thru-Wall Sleeve, Add	*233.83*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-132.06*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	576.01

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	40.63
23 82 29 00-0003	EA	Cap Radiator	62.68

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	65.78
		For Wall Support Bracket, Add	*30.94*
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	93.92
		For Wall Support Bracket, Add	*32.68*
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	109.52
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	138.37
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	90.80

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	142.07	7.43
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	89.06	7.43

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	78.50	7.43
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	52.00	7.43

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0016		**Removal And Reinstallation Of Radiator** *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	101.60	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	67.74	
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	671.41	149.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*73.74*	
		For Snap-On Inlet Grille, Add	*55.16*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*155.96*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	790.97	162.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*79.90*	
		For Snap-On Inlet Grille, Add	*59.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	910.12	192.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*93.37*	
		For Snap-On Inlet Grille, Add	*68.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*216.62*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,089.73	223.54
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*107.60*	
		For Snap-On Inlet Grille, Add	*77.73*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*262.87*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,299.52	268.25
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*127.91*	
		For Snap-On Inlet Grille, Add	*91.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*312.61*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,461.90	295.07
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*140.08*	
		For Snap-On Inlet Grille, Add	*99.39*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*355.24*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,698.80	357.66
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*168.52*	
		For Snap-On Inlet Grille, Add	*118.35*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*404.97*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,854.47	380.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*178.69*	
		For Snap-On Inlet Grille, Add	*125.12*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*447.60*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,023.64	424.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*198.99*	
		For Snap-On Inlet Grille, Add	*138.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*483.12*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,233.53	469.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*219.33*	
		For Snap-On Inlet Grille, Add	*152.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*532.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,402.73	514.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*239.64*	
		For Snap-On Inlet Grille, Add	*165.76*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.38*	
23 82 33 00-0014		**26" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	789.14	196.04
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*94.20*	
		For Snap-On Inlet Grille, Add	*68.80*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.30*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	926.58	227.73
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*108.43*	
		For Snap-On Inlet Grille, Add	*78.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*204.80*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,121.01	267.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*126.25*	
		For Snap-On Inlet Grille, Add	*90.16*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.07*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,313.98	298.19
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*140.05*	
		For Snap-On Inlet Grille, Add	*99.37*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*303.50*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,533.73	335.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*156.76*	
		For Snap-On Inlet Grille, Add	*110.50*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*360.92*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,716.36	363.21
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*169.36*	
		For Snap-On Inlet Grille, Add	*118.91*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*410.14*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,957.35	413.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*192.44*	
		For Snap-On Inlet Grille, Add	*134.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*467.56*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,135.45	439.22
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*203.68*	
		For Snap-On Inlet Grille, Add	*141.79*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*516.78*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,311.26	478.92
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*221.27*	
		For Snap-On Inlet Grille, Add	*153.51*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*557.79*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,534.56	517.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*239.05*	
		For Snap-On Inlet Grille, Add	*165.36*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*615.21*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,705.07	553.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*255.04*	
		For Snap-On Inlet Grille, Add	*176.03*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*656.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	905.72	238.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*114.32*	
		For Snap-On Inlet Grille, Add	*82.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,080.69	288.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*137.11*	
		For Snap-On Inlet Grille, Add	*97.41*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*225.28*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,303.05	337.34
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*159.26*	
		For Snap-On Inlet Grille, Add	*112.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*277.27*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,509.28	366.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*172.63*	
		For Snap-On Inlet Grille, Add	*121.08*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*333.85*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,733.99	396.14
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*185.90*	
		For Snap-On Inlet Grille, Add	*129.93*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*397.01*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,932.29	424.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*198.99*	
		For Snap-On Inlet Grille, Add	*138.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*451.15*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,167.22	460.49
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*215.33*	
		For Snap-On Inlet Grille, Add	*149.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*514.31*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,366.89	490.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*228.83*	
		For Snap-On Inlet Grille, Add	*158.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.45*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,544.57	523.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*243.46*	
		For Snap-On Inlet Grille, Add	*168.31*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*613.56*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,773.72	554.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*258.07*	
		For Snap-On Inlet Grille, Add	*178.04*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*676.73*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,942.58	581.20
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*270.05*	
		For Snap-On Inlet Grille, Add	*186.04*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*721.84*	
23 82 33 00-0038		Electric Convectors, Floor Standing Units *(23 82 33)*		
23 82 33 00-0039		4" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	746.82	146.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	826.08	146.88
23 82 33 00-0042		**6" Deep Electric Convectors** *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	862.65	146.88
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	984.58	146.88
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,091.26	146.88
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,258.91	146.88
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Electric Baseboard Heating *(23 82 36)*		
		Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002		Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*		
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	174.68	81.60
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	178.34	81.60
23 82 36 00-0005		Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*		
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	211.25	81.60
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	220.40	81.60
23 82 36 00-0008		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*		
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	428.90	52.84
		For 90 Degree Corner, Add	*61.12*	
		For Valve Enclosure, Add	*61.12*	
		For Filler Piece, Add	*54.12*	
		For End Cap, Add	*41.23*	
		For Copper Tube With Aluminum Fins, Add	*9.53*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	567.83	79.93
		For 90 Degree Corner, Add	*71.58*	
		For Valve Enclosure, Add	*71.58*	
		For Filler Piece, Add	*64.58*	
		For End Cap, Add	*48.03*	
		For Copper Tube With Aluminum Fins, Add	*14.30*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	685.27	105.67
		For 90 Degree Corner, Add	*77.74*	
		For Valve Enclosure, Add	*77.74*	
		For Filler Piece, Add	*70.74*	
		For End Cap, Add	*52.03*	
		For Copper Tube With Aluminum Fins, Add	*19.06*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	853.63	147.94
		For 90 Degree Corner, Add	*94.54*	
		For Valve Enclosure, Add	*94.54*	
		For Filler Piece, Add	*87.54*	
		For End Cap, Add	*62.95*	
		For Copper Tube With Aluminum Fins, Add	*23.70*	
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,021.05	177.75
		For 90 Degree Corner, Add	*111.60*	
		For Valve Enclosure, Add	*111.60*	
		For Filler Piece, Add	*104.60*	
		For End Cap, Add	*74.04*	
		For Copper Tube With Aluminum Fins, Add	*28.22*	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,157.54	189.67
		For 90 Degree Corner, Add	*118.38*	
		For Valve Enclosure, Add	*118.38*	
		For Filler Piece, Add	*111.38*	
		For End Cap, Add	*78.45*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,276.02	209.59
		For 90 Degree Corner, Add	*129.76*	
		For Valve Enclosure, Add	*129.76*	
		For Filler Piece, Add	*122.76*	
		For End Cap, Add	*85.85*	
		For Copper Tube With Aluminum Fins, Add	*37.25*	
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,457.19	237.08
		For 90 Degree Corner, Add	*145.48*	
		For Valve Enclosure, Add	*145.48*	
		For Filler Piece, Add	*138.48*	
		For End Cap, Add	*96.06*	
		For Copper Tube With Aluminum Fins, Add	*42.89*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,607.08	260.79
		For 90 Degree Corner, Add	*159.04*	
		For Valve Enclosure, Add	*159.04*	
		For Filler Piece, Add	*152.04*	
		For End Cap, Add	*104.88*	
		For Copper Tube With Aluminum Fins, Add	*47.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0019		**1" IPS Steel Tube With Steel Fins** *(23 82 36 00-0008)*		
23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	503.17	52.84
		For 90 Degree Corner, Add	*61.12*	
		For Valve Enclosure, Add	*61.12*	
		For Filler Piece, Add	*54.12*	
		For End Cap, Add	*41.23*	
		For Copper Tube With Aluminum Fins, Add	*13.62*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	679.24	79.93
		For 90 Degree Corner, Add	*71.58*	
		For Valve Enclosure, Add	*71.58*	
		For Filler Piece, Add	*64.58*	
		For End Cap, Add	*48.03*	
		For Copper Tube With Aluminum Fins, Add	*20.42*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	833.82	105.67
		For 90 Degree Corner, Add	*77.74*	
		For Valve Enclosure, Add	*77.74*	
		For Filler Piece, Add	*70.74*	
		For End Cap, Add	*52.03*	
		For Copper Tube With Aluminum Fins, Add	*27.23*	
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,038.48	147.94
		For 90 Degree Corner, Add	*94.57*	
		For Valve Enclosure, Add	*94.57*	
		For Filler Piece, Add	*87.57*	
		For End Cap, Add	*62.97*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,240.70	177.75
		For 90 Degree Corner, Add	*111.56*	
		For Valve Enclosure, Add	*111.56*	
		For Filler Piece, Add	*104.56*	
		For End Cap, Add	*74.01*	
		For Copper Tube With Aluminum Fins, Add	*40.31*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,421.40	189.67
		For 90 Degree Corner, Add	*118.38*	
		For Valve Enclosure, Add	*118.38*	
		For Filler Piece, Add	*111.38*	
		For End Cap, Add	*78.45*	
		For Copper Tube With Aluminum Fins, Add	*48.37*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,565.84	209.59
		For 90 Degree Corner, Add	*129.68*	
		For Valve Enclosure, Add	*129.68*	
		For Filler Piece, Add	*122.68*	
		For End Cap, Add	*85.79*	
		For Copper Tube With Aluminum Fins, Add	*53.21*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,791.41	237.08
		For 90 Degree Corner, Add	*145.48*	
		For Valve Enclosure, Add	*145.48*	
		For Filler Piece, Add	*138.48*	
		For End Cap, Add	*96.06*	
		For Copper Tube With Aluminum Fins, Add	*61.27*	
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,975.67	260.79
		For 90 Degree Corner, Add	*158.88*	
		For Valve Enclosure, Add	*158.88*	
		For Filler Piece, Add	*151.88*	
		For End Cap, Add	*104.77*	
		For Copper Tube With Aluminum Fins, Add	*67.72*	
23 82 36 00-0029		**1-1/4" IPS Steel Tube With Steel Fins** *(23 82 36 00-0008)*		
23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	577.44	52.84
		For 90 Degree Corner, Add	*61.12*	
		For Valve Enclosure, Add	*61.12*	
		For Filler Piece, Add	*54.12*	
		For End Cap, Add	*41.23*	
		For Copper Tube With Aluminum Fins, Add	*17.70*	
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	790.64	79.93
		For 90 Degree Corner, Add	*71.58*	
		For Valve Enclosure, Add	*71.58*	
		For Filler Piece, Add	*64.58*	
		For End Cap, Add	*48.03*	
		For Copper Tube With Aluminum Fins, Add	*26.55*	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	982.36	105.67
		For 90 Degree Corner, Add	*77.74*	
		For Valve Enclosure, Add	*77.74*	
		For Filler Piece, Add	*70.74*	
		For End Cap, Add	*52.03*	
		For Copper Tube With Aluminum Fins, Add	*35.40*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,223.18	147.94
		For 90 Degree Corner, Add	*94.57*	
		For Valve Enclosure, Add	*94.57*	
		For Filler Piece, Add	*87.57*	
		For End Cap, Add	*62.97*	
		For Copper Tube With Aluminum Fins, Add	*44.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,460.57	177.75
		For 90 Degree Corner, Add	*111.56*	
		For Valve Enclosure, Add	*111.56*	
		For Filler Piece, Add	*104.56*	
		For End Cap, Add	*74.01*	
		For Copper Tube With Aluminum Fins, Add	*52.40*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,685.25	189.67
		For 90 Degree Corner, Add	*118.38*	
		For Valve Enclosure, Add	*118.38*	
		For Filler Piece, Add	*111.38*	
		For End Cap, Add	*78.45*	
		For Copper Tube With Aluminum Fins, Add	*62.88*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,856.07	209.59
		For 90 Degree Corner, Add	*129.68*	
		For Valve Enclosure, Add	*129.68*	
		For Filler Piece, Add	*122.68*	
		For End Cap, Add	*85.79*	
		For Copper Tube With Aluminum Fins, Add	*69.17*	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,125.62	237.08
		For 90 Degree Corner, Add	*145.48*	
		For Valve Enclosure, Add	*145.48*	
		For Filler Piece, Add	*138.48*	
		For End Cap, Add	*96.06*	
		For Copper Tube With Aluminum Fins, Add	*79.65*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,345.05	260.79
		For 90 Degree Corner, Add	*158.88*	
		For Valve Enclosure, Add	*158.88*	
		For Filler Piece, Add	*151.88*	
		For End Cap, Add	*104.77*	
		For Copper Tube With Aluminum Fins, Add	*88.04*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,702.68	185.45
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,731.92	185.45
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,761.16	185.45
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,790.38	185.45
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,819.62	185.45
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,848.87	185.45
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,879.27	185.45
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	247.78	123.14

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,934.73	222.54
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,993.21	222.54
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,051.67	222.54
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,110.16	222.54
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,168.62	222.54
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,227.10	222.54
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,285.56	222.54
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	296.74	148.36

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,940.31	296.74
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,998.77	296.74
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,057.25	296.74
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,115.71	296.74
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,174.20	296.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,232.66	296.74
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	370.92	185.45
23 82 39 13-0028		**Electric Cabinet Unit Heaters, 68" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,828.94	370.92
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,916.64	370.92
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,004.35	370.92
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,092.05	370.92
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,179.77	370.92
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,267.48	370.92
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,355.18	370.92
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	495.54	247.77
23 82 39 13-0037		**Electric Cabinet Unit Heaters, 78" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,834.51	445.10
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,951.46	445.10
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,068.40	445.10
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,185.35	445.10
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,302.29	445.10
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,419.24	445.10
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,536.18	445.10
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	593.46	296.74
23 82 39 13-0046		**Removal and Reinstallation of Cabinet Unit Heaters** *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	372.56	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	643.54	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	768.16	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	1,039.12	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		**Hydronic Unit Heaters Using Steam Or Hot Water** *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		**Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt** *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,528.60	135.48
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,532.02	135.48
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,729.21	135.48
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,069.89	203.22
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,170.78	203.22
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,321.00	203.22
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,752.21	270.96
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,054.86	270.96
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,247.46	270.96
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,403.38	270.96
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,800.24	338.70
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,853.00	338.70
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,903.44	338.70
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,100.73	406.43
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,495.10	406.43
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,114.58	474.17
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,542.99	474.17
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,912.22	541.91
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	8,379.64	541.91
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	308.95	33.87
23 82 39 16-0023		**Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt** *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,205.20	135.48
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,314.09	203.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,512.44	203.22
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,061.77	270.96
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,256.63	270.96
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,747.64	406.43
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,045.71	406.43
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,295.65	406.43
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,772.92	474.17
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,068.72	474.17
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,667.13	474.17
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,483.66	609.65
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,473.85	609.65
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,083.74	609.65
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	10,361.06	677.39
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	426.01	33.87

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	812.87	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,083.82	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,077.19	148.36
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,077.19	148.36
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,445.18	185.45
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,657.32	222.54
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,418.87	296.74
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,524.76	370.92
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,866.50	445.10
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	7,116.31	519.28
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,330.90	148.36
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,281.38	148.36
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,517.69	185.45
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,751.66	222.54
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,607.54	296.74

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	478.97	92.73
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	560.06	103.86
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	871.37	103.86
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	542.91	92.73
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	660.97	103.86
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	989.89	103.86
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	714.06	122.41
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,323.40	129.82
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,487.92	129.82
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,726.10	137.24
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,870.56	137.24
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	799.51	122.41
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,458.01	129.82
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,622.52	129.82
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	718.57	92.73

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	487.75	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	1,002.65	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.66	0.95
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.30	0.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.74	0.95
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.66	0.95
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.38	0.95
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	12.01	0.95
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	12.00	0.95
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.29	0.95
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.59	0.95
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.00	0.95
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	12.29	0.95
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.59	0.95
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.94	0.95
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.52	0.95
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.82	0.95
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.94	0.95
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.52	0.95
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.82	0.95
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	351.09	74.67
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	351.09	74.67
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	228.90	13.58
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	620.31	33.94
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	683.07	33.94

23 83 33 Electric Radiant Heaters *(23 83)*

23 83 33 00-0001 Residential Wall Heaters *(23 83 33)*

23 83 33 00-0002	EA	750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	559.11	148.36
23 83 33 00-0003	EA	1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	559.11	148.36
23 83 33 00-0004	EA	1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	624.70	148.36
23 83 33 00-0005	EA	1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	624.70	148.36
23 83 33 00-0006	EA	2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	637.82	148.36
23 83 33 00-0007	EA	2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	637.82	148.36
23 83 33 00-0008	EA	3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	690.30	148.36
23 83 33 00-0009	EA	4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	716.53	148.36

23 83 33 00-0010 Commercial Wall Heaters *(23 83 33)*

23 83 33 00-0011	EA	750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	664.06	148.36
23 83 33 00-0012	EA	1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	664.06	148.36
23 83 33 00-0013	EA	1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	664.06	148.36
23 83 33 00-0014	EA	1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	716.53	148.36
23 83 33 00-0015	EA	2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	755.89	148.36
23 83 33 00-0016	EA	2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	755.89	148.36
23 83 33 00-0017	EA	3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	952.66	148.36
23 83 33 00-0018	EA	4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	952.66	148.36

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,815.51	558.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,506.84	559.53

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,250.15	357.66
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*693.11*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,250.15	357.66
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*693.11*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,221.35	357.66
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*984.47*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,356.83	447.08
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,029.63*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,818.26	357.66
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,463.54*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,953.74	447.08
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,508.70*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,448.92	447.08
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,257.26*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,618.26	559.53
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,313.70*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	654.83	67.74

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,472.09	74.18
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,108.77	86.54
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,163.44	98.92

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	581.22	160.46
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	694.53	160.46
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	762.51	160.46

END OF SECTION 23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

See CSI section 26 01 20 00-0000 for test.

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	540.61	
		For Up To 20, Add	*114.32*	
		For >20 To 50, Add	*91.46*	
		For >50 To 100, Add	*45.73*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	704.52	
		For Up To 20, Add	*155.30*	
		For >20 To 50, Add	*124.24*	
		For >50 To 100, Add	*62.12*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	1,065.10	
		For Up To 20, Add	*245.45*	
		For >20 To 50, Add	*196.36*	
		For >50 To 100, Add	*98.18*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	538.82	
		For Up To 20, Add	*113.88*	
		For >20 To 50, Add	*91.10*	
		For >50 To 100, Add	*45.55*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	691.17	
		For Up To 20, Add	*151.96*	
		For >20 To 50, Add	*121.57*	
		For >50 To 100, Add	*60.79*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	1,035.46	
		For Up To 20, Add	*238.04*	
		For >20 To 50, Add	*190.43*	
		For >50 To 100, Add	*95.21*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	422.60	
		For Up To 20, Add	*84.82*	
		For >20 To 50, Add	*67.86*	
		For >50 To 100, Add	*33.93*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	599.62	
		For Up To 20, Add	*129.08*	
		For >20 To 50, Add	*103.26*	
		For >50 To 100, Add	*51.63*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	857.77	
		For Up To 20, Add	*193.61*	
		For >20 To 50, Add	*154.89*	
		For >50 To 100, Add	*77.45*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	781.17	
		For Up To 20, Add	*174.46*	
		For >20 To 50, Add	*139.57*	
		For >50 To 100, Add	*69.79*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,077.33	
		For Up To 20, Add	*248.50*	
		For >20 To 50, Add	*198.80*	
		For >50 To 100, Add	*99.40*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,981.89	
		For Up To 20, Add	*474.64*	
		For >20 To 50, Add	*379.71*	
		For >50 To 100, Add	*189.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	898.89	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*203.89*	
		For >20 To 50, Add	*163.11*	
		For >50 To 100, Add	*81.56*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,327.71	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*311.10*	
		For >20 To 50, Add	*248.88*	
		For >50 To 100, Add	*124.44*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	48.88
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	48.88
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device	13.58
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags	5.14
		Note: Includes filling out tag information, installation and removal of identifying tags.	

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	28.22
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	28.22

26 01 26 Maintenance Testing of Electrical Systems *(26 01)*

26 01 26 00-0001 NETA Electrical Maintenance Testing *(26 01 26)*

26 01 26 00-0002	EA	600 Volt Cable Insulation NETA Electrical Maintenance Testing Per Conductor	363.75
26 01 26 00-0003	EA	NETA Field Maintenance Testing Of Aged Medium Voltage (5 KV - 15 KV) Cables, Per Cable	485.00
		Note: Provide test equipment, labor, and technical personnel as necessary to perform the electrical maintenance tests. Perform Full Dielectric-Absorption (Megger) test, DC High Potential test and provide "Final Test Report".	
26 01 26 00-0004	EA	Panel Board NETA Electrical Maintenance Testing	363.75
		Note: Excludes metering and CT's.	
26 01 26 00-0005	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	545.62
		Note: Includes setting breaker 3 phase from 400 amperes to 1,200 amperes.	
26 01 26 00-0006	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	727.50
		Note: Includes setting breaker 3 phase from 1,200 amperes to 2,000 amperes.	
26 01 26 00-0007	EA	Primary And Secondary Injection Low Voltage Air Circuit Breaker NETA Electrical Maintenance Testing	1,091.25
		Note: Includes CT ratio test to include setting breaker 3 phase 400A to 2000A. Excludes breaker removal from gear.	
26 01 26 00-0008	EA	Single, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	727.50
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0009	EA	2 To 3, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	454.69
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2,000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0010	EA	4 Or More, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Testing	318.28
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	

26 01 26 00-0011 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers *(26 01 26)*

Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.

26 01 26 00-0012 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected *(26 01 26 00-0011)*

26 01 26 00-0013	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected	33.87
26 01 26 00-0014	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected	56.45
26 01 26 00-0015	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected	79.02
26 01 26 00-0016	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected	101.61
26 01 26 00-0017	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected	124.19
26 01 26 00-0018	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected	146.77
26 01 26 00-0019	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected	158.06
26 01 26 00-0020	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected	169.34
26 01 26 00-0021	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected	56.45
26 01 26 00-0022	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected	79.02
26 01 26 00-0023	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected	101.61
26 01 26 00-0024	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected	112.89

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 26 00-0025		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected	158.06	
26 01 26 00-0026		EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected	180.64	
26 01 26 00-0027		EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Not Connected	203.21	
26 01 26 00-0028			TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected *(26 01 26 00-0011)*		
26 01 26 00-0029		EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected	56.45	
26 01 26 00-0030		EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected	79.02	
26 01 26 00-0031		EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected	90.32	
26 01 26 00-0032		EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected	112.89	
26 01 26 00-0033		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected	158.06	
26 01 26 00-0034		EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected	191.93	
26 01 26 00-0035		EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected	203.21	
26 01 26 00-0036		EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected	214.51	
26 01 26 00-0037		EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected	79.02	
26 01 26 00-0038		EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected	101.61	
26 01 26 00-0039		EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected	135.48	
26 01 26 00-0040		EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected	180.64	
26 01 26 00-0041		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected	203.21	
26 01 26 00-0042		EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected	237.08	
26 01 26 00-0043		EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Connected	304.82	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003		EA	APCD Permit To Construct And Operate Emergency Generator	5,181.28	

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003		EA	300 Watt, T3, Tungsten Halogen Lamp	62.85	
26 01 50 51-0004		EA	500 Watt, T3, Tungsten Halogen Lamp	81.35	
26 01 50 51-0005		EA	1,000 Watt, T3, Tungsten Halogen Lamp	121.87	
26 01 50 51-0006		EA	60 Watt, PAR38, Halogen Lamp	30.35	
26 01 50 51-0007		EA	75 Watt, PAR38, Halogen Lamp	30.35	
26 01 50 51-0008		EA	90 Watt, PAR38, Halogen Lamp	28.70	
26 01 50 51-0009		EA	100 Watt, PAR38, Halogen Lamp	28.70	
26 01 50 51-0010		EA	60 Watt, PAR38, Halogen IR Reflective Lamp	40.15	
26 01 50 51-0011		EA	67 Watt, PAR38, Halogen IR Reflective Lamp	44.07	
26 01 50 51-0012		EA	70 Watt, PAR38, Halogen IR Reflective Lamp	43.06	
26 01 50 51-0013		EA	90 Watt, PAR38, Halogen IR Reflective Lamp	46.05	
26 01 50 51-0014		EA	100 Watt, PAR38, Halogen IR Reflective Lamp	46.69	
26 01 50 51-0015		EA	20-50 Watt, 12 Volt MR16 Low-Voltage Halogen Lamp	20.05	
26 01 50 51-0016		EA	20-37 Watt, Infrared Reflecting, 12 Volt MR16 Low-Voltage Halogen Lamp	27.53	
26 01 50 51-0017		EA	50 Watt, Infrared Reflecting, 12 Volt MR16 Low-Voltage Halogen Lamp	26.43	
26 01 50 51-0018		EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	25.17	
26 01 50 51-0019		EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	25.17	
26 01 50 51-0020		EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	27.53	
26 01 50 51-0021		EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	27.53	

26 01 50 51-0022 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0023		EA	100 Watt, Frosted, Interior Incandescent Lamp	7.82	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0024		EA	150 Watt, Frosted, Interior Incandescent Lamp	9.90	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0025		EA	200 Watt, Frosted, Interior Incandescent Lamp	12.25	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0026		EA	300 Watt, PS25, Interior Incandescent Lamp	15.20	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0027		EA	60 Watt, G25, Clear, Interior Incandescent Lamp	11.22	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0028		EA	75 Watt, R20, Interior Incandescent Lamp	18.04	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.70*	
26 01 50 51-0029		EA	75 Watt, PAR38, Exterior Incandescent Lamp	22.17	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0030	EA	100 Watt, PAR38, Exterior Incandescent Lamp	20.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.70*	
26 01 50 51-0031	EA	150 Watt, PAR38, Exterior Incandescent Lamp	36.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.70*	
26 01 50 51-0032	EA	250 Watt, PAR38, Exterior Incandescent Lamp	75.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.15*	
26 01 50 51-0033	EA	300 Watt, PAR56, Exterior Incandescent Lamp	87.01	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.15*	
26 01 50 51-0034		**Exit Light Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0035	EA	Convert Exit Light Lamps To Red LED Lamps	131.78	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0036	EA	Fluorescent Lamp For Exit Light	37.62	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-8.99*	
26 01 50 51-0037	EA	Lamp Replacement For Emergency Lights On Exit Sign	51.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.50*	
26 01 50 51-0038		**Fluorescent Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0039	EA	18", 15 Watt, T8 Fluorescent Lamp	14.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0040	EA	2', 17 Watt, T8 Fluorescent Lamp	16.94	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0041	EA	3', 25 Watt, T8 Fluorescent Lamp	19.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0042	EA	4', 32 Watt, T8 Fluorescent Lamp	19.38	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0043	EA	4', 30 Watt, T8 Fluorescent Lamp	24.28	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0044	EA	4', 28 Watt, T8 Fluorescent Lamp	21.34	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0045	EA	4', 25 Watt, T8 Fluorescent Lamp	21.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0046	EA	4', 44 Watt, T8HO Fluorescent Lamp	33.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0047	EA	8', 59 Watt, T8 Fluorescent Lamp	25.93	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0048	EA	18", 15 Watt, T12 Fluorescent Lamp	21.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0049	EA	2', 20 Watt, T12 Fluorescent Lamp	16.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0050	EA	3', 30 Watt, T12 Fluorescent Lamp	18.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0051	EA	4', 34 Watt, T12 Fluorescent Lamp	18.21	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0052	EA	4', 40 Watt, T12 Fluorescent Lamp	17.84	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0053	EA	8', 60 Watt, T12 Fluorescent Lamp	26.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0054	EA	8', 75 Watt, T12 Fluorescent Lamp	22.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0055	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	38.26	
26 01 50 51-0056	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	21.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0057	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	17.70	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0058	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	17.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0059	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	18.92	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0060	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	31.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.50*	
26 01 50 51-0061	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	30.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.50*	
26 01 50 51-0062	EA	6", 4 Watt, T5 Fluorescent Lamp	15.66	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0063	EA	9", 6 Watt, T5 Fluorescent Lamp	15.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0064	EA	12", 8 Watt, T5 Fluorescent Lamp	15.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0065	EA	21", 13 Watt, T5 Fluorescent Lamp	16.60	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0066	EA	24", 14 Watt, T5 Fluorescent Lamp	19.08	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0067	EA	34", 21 Watt, T5 Fluorescent Lamp	20.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0068	EA	46", 28 Watt, T5 Fluorescent Lamp	20.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0069	EA	46", 54 Watt, T5HO Fluorescent Lamp	21.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0070	EA	46", 54 Watt T5 Fluorescent Lamp	20.45	
26 01 50 51-0071	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	12.32	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0072	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	13.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0073	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	27.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0074	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	36.30	
26 01 50 51-0075	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	36.30	
26 01 50 51-0076	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	68.05	
26 01 50 51-0077	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	24.79	
26 01 50 51-0078	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	12.82	
26 01 50 51-0079	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.08	
26 01 50 51-0080	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.62	
26 01 50 51-0081	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	47.54	
26 01 50 51-0082	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	51.85	
26 01 50 51-0083	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	98.65	
26 01 50 51-0084	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	118.15	
26 01 50 51-0085	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	122.12	
26 01 50 51-0086	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	44.38	
26 01 50 51-0087	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	46.28	
26 01 50 51-0088	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	53.43	

26 01 50 51-0089 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0090	EA	50 Watt, Pulse Start Metal Halide Lamp	53.80	
26 01 50 51-0091	EA	70 Watt, Pulse Start Metal Halide Lamp	51.50	
26 01 50 51-0092	EA	100 Watt, Pulse Start Metal Halide Lamp	58.75	
26 01 50 51-0093	EA	150 Watt, Pulse Start Metal Halide Lamp	57.11	
26 01 50 51-0094	EA	175 Watt, Pulse Start Metal Halide Lamp	56.63	
26 01 50 51-0095	EA	250 Watt, Pulse Start Metal Halide Lamp	56.96	
26 01 50 51-0096	EA	400 Watt, Pulse Start Metal Halide Lamp	68.51	
26 01 50 51-0097	EA	1,000 Watt, Pulse Start Metal Halide Lamp	79.58	
26 01 50 51-0098	EA	1,500 Watt, Pulse Start Metal Halide Lamp	79.13	

26 01 50 51-0099 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0100	EA	35 Watt, High Pressure Sodium Lamp	44.46	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0101	EA	50 Watt, High Pressure Sodium Lamp	44.46	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0102	EA	70 Watt, High Pressure Sodium Lamp	45.44	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0103	EA	100 Watt, High Pressure Sodium Lamp	47.33	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0104	EA	150 Watt, High Pressure Sodium Lamp	45.44	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0105	EA	250 Watt, High Pressure Sodium Lamp	45.44	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0106	EA	400 Watt, High Pressure Sodium Lamp	42.64	
		For Enclosed And Gasket Light Fixtures, Add	*3.46*	
26 01 50 51-0107	EA	1,000 Watt, High Pressure Sodium Lamp	98.45	

26 01 50 51-0108 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0109	EA	35 Watt, Low Pressure Sodium Lamp	112.50	
26 01 50 51-0110	EA	55 Watt, Low Pressure Sodium Lamp	125.49	
26 01 50 51-0111	EA	70 Watt, Low Pressure Sodium Lamp	128.42	
26 01 50 51-0112	EA	90 Watt, Low Pressure Sodium Lamp	131.34	
26 01 50 51-0113	EA	135 Watt, Low Pressure Sodium Lamp	143.05	
26 01 50 51-0114	EA	180 Watt, Low Pressure Sodium Lamp	195.73	

26 01 50 51-0115 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0116 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0115)*

26 01 50 51-0117	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	27.21	

26 01 50 51-0118 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0115)*

26 01 50 51-0119	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	38.58	
26 01 50 51-0120	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	38.58	
26 01 50 51-0121	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	69.11	
26 01 50 51-0122	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	46.29	
26 01 50 51-0123	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	88.19	

26 01 50 51-0124 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0115)*

26 01 50 51-0125	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	51.11	
26 01 50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	44.66	
26 01 50 51-0127	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	61.79	
26 01 50 51-0128	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	50.38	
26 01 50 51-0129	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	69.42	
26 01 50 51-0130	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	50.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0131		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0115)*		
26 01 50 51-0132	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	57.21	
26 01 50 51-0133	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	80.91	
26 01 50 51-0134	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	80.91	
26 01 50 51-0135	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	77.09	
26 01 50 51-0136	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	73.28	
26 01 50 51-0137	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	73.28	
26 01 50 51-0138	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	150.36	
26 01 50 51-0139	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	80.91	
26 01 50 51-0140	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	77.09	
26 01 50 51-0141	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	80.91	
26 01 50 51-0142	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	80.91	
26 01 50 51-0143		**LED Lamps, GU Base, MR16** *(26 01 50 51-0115)*		
26 01 50 51-0144	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	37.03	
26 01 50 51-0145	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	51.11	
26 01 50 51-0146	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	57.21	
26 01 50 51-0147		**LED Lamps, PL Series** *(26 01 50 51-0115)*		
26 01 50 51-0148	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.47	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	24.58	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	21.05	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	23.26	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	23.26	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	27.24	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	23.26	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	23.26	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	23.26	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	23.26	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	25.91	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	25.91	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	25.91	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	25.91	
26 01 50 51-0162	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	24.58	
26 01 50 51-0163	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	24.58	
26 01 50 51-0164	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	24.58	
26 01 50 51-0165	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	25.47	
26 01 50 51-0166	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	25.47	
26 01 50 51-0167	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	25.66	
26 01 50 51-0168	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	25.66	
26 01 50 51-0169	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	25.66	
26 01 50 51-0170	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	25.66	
26 01 50 51-0171	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	26.35	
26 01 50 51-0172	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	26.35	
26 01 50 51-0173	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	26.35	
26 01 50 51-0174	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	26.35	
26 01 50 51-0175	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	26.35	
26 01 50 51-0176	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	26.35	
26 01 50 51-0177	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	26.35	
26 01 50 51-0178	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	26.35	
26 01 50 51-0179	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	33.26	
26 01 50 51-0180	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	33.26	
26 01 50 51-0181	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	33.26	
26 01 50 51-0182	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.67	
26 01 50 51-0183	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.67	
26 01 50 51-0184	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.67	
26 01 50 51-0185	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	28.24	
26 01 50 51-0186		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0115)*		
26 01 50 51-0187	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	62.17	
26 01 50 51-0188	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	62.17	
26 01 50 51-0189	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	78.52	
26 01 50 51-0190	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	78.52	
26 01 50 51-0191	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	55.32	
26 01 50 51-0192	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	55.32	
26 01 50 51-0193	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	55.32	
26 01 50 51-0194	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	55.32	
26 01 50 51-0195	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	57.09	
26 01 50 51-0196	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	57.09	
26 01 50 51-0197	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	57.09	
26 01 50 51-0198	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	57.09	
26 01 50 51-0199	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	64.17	
26 01 50 51-0200	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	64.17	
26 01 50 51-0201	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	64.17	
26 01 50 51-0202	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	64.17	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0203	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	73.01	
26 01 50 51-0204	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	73.01	
26 01 50 51-0205	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	73.01	
26 01 50 51-0206	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	73.01	
26 01 50 51-0207	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	92.46	
26 01 50 51-0208	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	92.46	
26 01 50 51-0209	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	92.46	
26 01 50 51-0210	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	92.46	
26 01 50 51-0211	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	109.27	
26 01 50 51-0212	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	109.27	
26 01 50 51-0213	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	109.27	
26 01 50 51-0214	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	109.27	
26 01 50 51-0215	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	120.76	
26 01 50 51-0216	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	120.76	
26 01 50 51-0217	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	120.76	
26 01 50 51-0218	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	120.76	
26 01 50 51-0219	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	162.32	
26 01 50 51-0220	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	162.32	
26 01 50 51-0221	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	162.32	
26 01 50 51-0222	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	162.32	
26 01 50 51-0223	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	167.63	
26 01 50 51-0224	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	167.63	
26 01 50 51-0225	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	167.63	
26 01 50 51-0226	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	167.63	
26 01 50 51-0227	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	198.58	
26 01 50 51-0228	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	198.58	
26 01 50 51-0229	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	198.58	
26 01 50 51-0230	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	198.58	
26 01 50 51-0231	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	235.72	
26 01 50 51-0232	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	235.72	
26 01 50 51-0233	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	235.72	
26 01 50 51-0234	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	235.72	
26 01 50 51-0235	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	76.73	
26 01 50 51-0236	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	82.92	
26 01 50 51-0237	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	82.92	
26 01 50 51-0238	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	76.73	
26 01 50 51-0239	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	96.18	
26 01 50 51-0240	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	88.23	
26 01 50 51-0241	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	105.91	
26 01 50 51-0242	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	104.87	
26 01 50 51-0243	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	107.24	
26 01 50 51-0244	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	107.24	
26 01 50 51-0245	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	65.26	
26 01 50 51-0246	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	65.26	
26 01 50 51-0247	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	73.44	
26 01 50 51-0248	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	73.44	
26 01 50 51-0249	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	78.88	
26 01 50 51-0250	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	78.88	
26 01 50 51-0251	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	87.05	
26 01 50 51-0252	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	87.05	
26 01 50 51-0253	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	87.47	
26 01 50 51-0254	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	94.73	
26 01 50 51-0255	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	117.63	
26 01 50 51-0256	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	129.48	
26 01 50 51-0257	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	51.39	
26 01 50 51-0258	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	57.76	
26 01 50 51-0259	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	60.94	
26 01 50 51-0260	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	66.87	
26 01 50 51-0261	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	80.24	
26 01 50 51-0262	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	93.85	
26 01 50 51-0263	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	127.86	
26 01 50 51-0264	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	134.66	
26 01 50 51-0265	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	145.55	
26 01 50 51-0266	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	152.35	
26 01 50 51-0267	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	219.01	
26 01 50 51-0268	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	69.69	

26 01 50 51-0269 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0115)*

26 01 50 51-0270	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	209.73	
26 01 50 51-0271	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	209.73	
26 01 50 51-0272	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	209.73	
26 01 50 51-0273	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	62.17	
26 01 50 51-0274	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	62.17	
26 01 50 51-0275	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	62.17	
26 01 50 51-0276	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	78.52	
26 01 50 51-0277	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	78.52	
26 01 50 51-0278	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	78.52	
26 01 50 51-0279	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	144.85	
26 01 50 51-0280	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	162.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0281	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	162.32	
26 01 50 51-0282	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	162.32	
26 01 50 51-0283	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	162.32	
26 01 50 51-0284	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	167.63	
26 01 50 51-0285	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	167.63	
26 01 50 51-0286	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	167.63	
26 01 50 51-0287	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	167.63	
26 01 50 51-0288	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	198.58	
26 01 50 51-0289	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	198.58	
26 01 50 51-0290	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	198.58	
26 01 50 51-0291	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	198.58	
26 01 50 51-0292	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	235.72	
26 01 50 51-0293	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	235.72	
26 01 50 51-0294	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	235.72	
26 01 50 51-0295	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	235.72	
26 01 50 51-0296	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	82.92	
26 01 50 51-0297	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	82.92	
26 01 50 51-0298	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	96.18	
26 01 50 51-0299	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	94.96	
26 01 50 51-0300	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	105.91	
26 01 50 51-0301	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	104.87	
26 01 50 51-0302	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	107.24	
26 01 50 51-0303	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	104.16	
26 01 50 51-0304	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	224.41	
26 01 50 51-0305	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	82.89	
26 01 50 51-0306	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	82.89	
26 01 50 51-0307	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	93.89	
26 01 50 51-0308	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	93.89	
26 01 50 51-0309	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	100.51	
26 01 50 51-0310	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	100.51	
26 01 50 51-0311	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	65.15	
26 01 50 51-0312	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	65.15	
26 01 50 51-0313	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	73.44	
26 01 50 51-0314	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	73.44	
26 01 50 51-0315	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	78.88	
26 01 50 51-0316	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	78.88	
26 01 50 51-0317	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	87.05	
26 01 50 51-0318	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	87.05	
26 01 50 51-0319	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	155.92	
26 01 50 51-0320	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	180.15	
26 01 50 51-0321	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	214.64	
26 01 50 51-0322	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	417.72	
26 01 50 51-0323	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	394.53	
26 01 50 51-0324	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	417.72	
26 01 50 51-0325	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	419.53	
26 01 50 51-0326	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	64.75	
26 01 50 51-0327	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	64.75	
26 01 50 51-0328	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	64.75	
26 01 50 51-0329	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	189.65	
26 01 50 51-0330	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	434.18	
26 01 50 51-0331	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	181.64	
26 01 50 51-0332	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	213.64	
26 01 50 51-0333	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	95.28	
26 01 50 51-0334	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	303.16	

26 01 50 51-0335 LED Lamps, 2G11 Base *(26 01 50 51-0115)*

26 01 50 51-0336	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	51.22	

26 01 50 51-0337 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0115)*

26 01 50 51-0338	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	25.39	

26 01 50 51-0339 LED Lamps, G24 Base *(26 01 50 51-0115)*

26 01 50 51-0340	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	32.88	

26 01 50 51-0341 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0115)*

26 01 50 51-0342	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	45.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.60*
26 01 50 51-0343	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	58.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.60*
26 01 50 51-0344	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	48.58	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.82*
26 01 50 51-0345	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	53.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-4.05*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0346	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	58.24	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0347	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	36.77	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0348	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	35.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0349	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	32.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.60*	
26 01 50 51-0350	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	32.87	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.82*	
26 01 50 51-0351	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	32.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	
26 01 50 51-0352	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	34.08	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.05*	

26 01 50 51-0353 Filament LED Lamps *(26 01 50 51-0115)*

26 01 50 51-0354	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.54
26 01 50 51-0355	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.54
26 01 50 51-0356	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.66
26 01 50 51-0357	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.66
26 01 50 51-0358	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	21.07
26 01 50 51-0359	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	21.07
26 01 50 51-0360	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.89
26 01 50 51-0361	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.89
26 01 50 51-0362	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	18.42
26 01 50 51-0363	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	22.31
26 01 50 51-0364	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	24.62

26 01 50 51-0365 Other Lamps *(26 01 50 51-0115)*

26 01 50 51-0366	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.52
26 01 50 51-0367	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.52
26 01 50 51-0368	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.52
26 01 50 51-0369	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.40
26 01 50 51-0370	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.40
26 01 50 51-0371	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.40

26 01 50 51-0372 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0115)*

26 01 50 51-0373	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	59.51
26 01 50 51-0374	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	34.57

26 01 50 51-0375 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0384 for recycling hazardous lamps.

26 01 50 51-0376	EA	Removal Of 2' Length Linear Fluorescent Lamps	4.77	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.57*	
26 01 50 51-0377	EA	Removal Of 3' Length Linear Fluorescent Lamps	5.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.80*	
26 01 50 51-0378	EA	Removal Of 4' Length Linear Fluorescent Lamps	6.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.02*	
26 01 50 51-0379	EA	Removal Of 6' Length Linear Fluorescent Lamps	6.81	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.25*	
26 01 50 51-0380	EA	Removal Of 8' Length Linear Fluorescent Lamps	7.49	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.47*	
26 01 50 51-0381	EA	Removal Of Compact Fluorescent Lamps	4.08	
		For >25 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-0.82*	
26 01 50 51-0382	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	6.48	
		For >25 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.30*	
26 01 50 51-0383	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	11.58	
		For >25 To 40, Deduct	*-1.16*	
		For >40, Deduct	*-2.32*	

26 01 50 51-0384 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0385	EA	Recycle 2' Length Linear Fluorescent Lamps	1.83
26 01 50 51-0386	EA	Recycle 3' Length Linear Fluorescent Lamps	2.35
26 01 50 51-0387	EA	Recycle 4' Length Linear Fluorescent Lamps	2.86
26 01 50 51-0388	EA	Recycle 6' Length Linear Fluorescent Lamps	4.05
26 01 50 51-0389	EA	Recycle 8' Length Linear Fluorescent Lamps	5.07
26 01 50 51-0390	EA	Recycle Compact Fluorescent Lamps	4.67
26 01 50 51-0391	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.67
26 01 50 51-0392	EA	Recycle High Intensity Discharge (HID) Lamps	7.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52		**Ballasts Replacement** *(26 01 50)*		
26 01 50 52-0001		Lighting Ballasts *(26 01 50 52)* Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002		Fluorescent Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0003		T5 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0004		T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005		14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	126.94	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.75	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0008		21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	126.94	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.75	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0011		28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	126.94	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.75	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0014		35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	126.94	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.75	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	126.80	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.61	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	182.28	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	189.10	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	107.06	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	113.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0026		24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	138.84	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	145.65	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0029		39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	138.84	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	145.65	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0032		54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	107.06	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	113.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0035		Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*		
26 01 50 52-0036		Step Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	131.92	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	439.92	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	434.72	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0043		T8 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	57.69	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.66	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.50	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	105.47	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.51	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	118.58	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.00	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.30	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	57.69	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.66	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.50	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	105.47	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.51	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	118.58	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.00	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.30	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*24.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0063		**28 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	57.69	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.66	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.50	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	105.47	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.51	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	118.58	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.00	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.30	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0072		**32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	57.69	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.66	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.50	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	105.47	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.51	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	118.58	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.00	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.30	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0081		**40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	89.98	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*7.28*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.66	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	96.79	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*7.28*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	105.47	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	120.68	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	118.58	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	127.50	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	130.30	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0090		**96 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	107.06	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
		For High Ballast Factor, Add	*15.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	113.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
		For High Ballast Factor, Add	*15.60*	
26 01 50 52-0093		**High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094		**48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	129.04	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	167.01	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.85	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	173.82	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0099		**60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	129.04	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	167.01	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.85	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	173.82	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0104		**72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	129.04	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	167.01	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.85	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	173.82	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0109		**96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	129.04	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	167.01	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.85	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	173.82	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0114		**Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
26 01 50 52-0115		**Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		**17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	93.85	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.69	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	176.49	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0123		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	93.85	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.69	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	176.49	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0130		**28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	93.85	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.69	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	176.49	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0137		**32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	93.85	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.69	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	176.49	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0144		**40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	93.85	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.69	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	176.49	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0151		**Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		**17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.35	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.73	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	168.53	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0159		**25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.35	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.73	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	168.53	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.35	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.73	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	168.53	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0173		**32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.35	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.73	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	168.53	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0180		**40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	74.61	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	91.35	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	113.15	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.73	54.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	168.53	61.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.39*	
26 01 50 52-0187		**Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		**17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	158.16	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	164.97	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	197.12	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	203.94	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0193		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	158.16	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	164.97	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	197.12	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	203.94	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0198		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	158.16	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	164.97	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	197.12	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	203.94	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0203		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	158.16	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	164.97	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	197.12	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	203.94	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	

26 01 50 52-0208 T10 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0209 T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*

26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	80.17	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	86.98	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	106.54	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	

26 01 50 52-0214 T12 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0215 T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	57.69	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	80.17	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	64.50	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	86.98	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	78.51	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	90.00	47.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	

26 01 50 52-0223 30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	80.17	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	86.98	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.54	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	

26 01 50 52-0227 34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	80.17	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	86.98	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.54	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	

26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	80.17	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	86.98	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.54	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	

26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.64	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	113.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	

26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0214)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*

26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	129.46	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.27	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	129.46	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.27	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	129.46	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.27	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	129.46	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.27	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)* Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	204.09	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	333.41	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	413.24	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	306.72	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,423.16	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.98*	
		For Factory Installation In New Fixtures, Deduct	*-59.94*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	418.92	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	699.60	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	386.95	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	525.92	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	408.73	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	461.32	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	498.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	420.55	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	426.71	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	372.41	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	386.95	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	378.26	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	688.68	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	859.97	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,605.06	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,116.41	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	570.08	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.17*	
		For Factory Installation In New Fixtures, Deduct	*-57.22*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	737.42	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,104.91	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	152.27	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	224.80	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	268.30	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	299.35	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	307.20	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	398.10	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	471.03	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	
		For Factory Installation In New Fixtures, Deduct	*-54.50*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	120.22	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	127.03	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	

26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	120.22	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	127.03	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0292		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	148.36	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	155.17	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0295		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	116.86	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	148.36	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	218.21	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	155.17	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	257.96	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 01 50 52-0301		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	148.36	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	155.17	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0304		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	148.36	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	155.17	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0307		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
26 01 50 52-0308		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	220.33	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	227.14	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	220.33	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	227.14	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	220.33	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	242.68	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	242.68	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0320		**42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	220.33	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	242.68	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0323		**55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	350.54	27.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	393.89	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	263.59	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	270.57	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	270.57	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	250.69	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	250.69	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	383.90	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	383.90	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	501.23	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	561.08	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0339		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	236.00	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	251.61	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	244.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	291.79	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	285.08	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	328.62	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	328.62	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	401.04	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	401.04	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	655.14	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	655.14	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0351		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	19.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	33.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 01 50 52-0354		F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0355		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*		
26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	340.48	34.06
		For Pulse Start Ballast, Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	359.85	34.06
		For Pulse Start Ballast, Add	*31.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	325.82	34.06
		For Pulse Start Ballast, Add	*27.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	381.74	34.06
		For Pulse Start Ballast, Add	*33.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	538.46	34.06
		For Pulse Start Ballast, Add	*49.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0361		**High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0354)*		
26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	413.87	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	444.06	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0364		**Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0365		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	703.28	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0367		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,095.21	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.26*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,223.90	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.26*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,179.38	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.26*	
26 01 50 52-0371		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0372		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	870.92	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	991.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,316.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,309.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,842.05	36.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.12*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,842.05	36.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.12*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,261.61	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,488.11	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0381		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,643.85	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,564.03	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	2,016.61	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	2,016.61	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0386		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0387		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	981.35	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,061.78	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,053.86	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,107.74	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,771.79	36.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.12*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,183.26	36.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.12*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,653.21	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,503.18	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0396		**High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,273.20	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,374.65	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,063.44	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,772.42	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	379.05	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	379.05	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	429.91	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,142.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,142.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,142.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,142.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,142.43	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	27.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.18*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	34.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	39.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	42.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.67*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	47.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.31*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	50.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.12*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	89.97	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	204.40	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	226.11	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	97.58	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	33.87	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	34.95	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	39.63	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	15.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	15.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	16.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	20.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	16.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	59.68	

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0003		LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	116.10	
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	116.10	
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	116.10	
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	96.73	
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	96.73	
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	96.73	
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	104.89	
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	104.89	
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	104.89	
26 01 50 81-0013		LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	330.92	
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	343.16	
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	355.40	
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	370.34	
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	406.03	
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	420.99	
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	454.64	
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	466.88	
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	481.82	
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	504.25	
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	528.38	
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	551.83	
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	564.07	
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	584.46	
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	608.95	
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	634.44	
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	673.19	
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	690.52	
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	720.76	
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	760.53	
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	780.93	
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	829.86	
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	874.73	
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	905.99	
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	949.84	
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	1,035.15	
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,045.35	
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,071.86	
26 01 50 81-0042		LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	143.35	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	143.35	
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	143.35	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	158.64	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	158.64	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	158.64	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	148.45	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	158.64	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	158.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	158.64	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	179.04	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	179.04	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	179.04	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	143.35	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	143.35	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	143.35	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	143.35	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	143.35	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	143.35	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	148.45	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	148.45	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	148.45	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	154.56	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	154.56	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	154.56	
26 01 50 81-0073		**LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)** *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	311.72	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	311.72	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	282.14	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	282.14	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	144.71	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	144.71	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	164.08	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	164.08	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	178.36	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	178.36	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	183.45	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	183.45	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	115.13	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	115.13	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	127.37	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	127.37	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	118.19	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	118.19	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	130.43	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	130.43	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	117.17	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	117.17	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	126.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	126.35	

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	26.79	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	146.32	15.47
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	152.51	18.57
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	187.52	15.47
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	193.71	18.57
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	96.86	12.38
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	33.25	12.38
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	35.66	12.38
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	91.73	18.57

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	113.94
		For Specular Ballast Cover, Add	*13.28*
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	121.60
		For Specular Ballast Cover, Add	*14.82*
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	165.38
		For Specular Ballast Cover, Add	*23.57*
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	189.98
		For Specular Ballast Cover, Add	*28.49*

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	120.38
		For Specular Reflector, Add	*14.57*
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	128.81
		For Specular Reflector, Add	*16.26*
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	174.39
		For Specular Reflector, Add	*25.37*
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	220.70
		For Specular Reflector, Add	*34.64*

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	150.69
		For Specular Reflector, Add	*17.92*
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	158.34
		For Specular Reflector, Add	*19.45*
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	160.27
		For Specular Reflector, Add	*19.84*
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	178.66
		For Specular Reflector, Add	*23.51*
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	214.95
		For Specular Reflector, Add	*30.77*
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	166.07
		For Specular Reflector, Add	*21.00*
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	182.21
		For Specular Reflector, Add	*24.22*
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	195.83
		For Specular Reflector, Add	*26.95*

26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	190.23
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	190.23
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	190.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	206.75	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	190.23	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	190.23	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	190.23	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	206.75	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	191.30	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	191.30	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	191.30	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	207.82	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	191.30	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	191.30	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	191.30	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	207.82	

26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	263.32	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	274.55	

26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	375.07	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	384.04	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	375.07	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	384.04	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	428.89	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	442.35	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	473.75	

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	347.62	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	360.13	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	363.88	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	376.39	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	263.16	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	269.10	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	278.61	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	284.55	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	351.12	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	417.68	
26 01 50 81-0168		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*		
		Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	307.58	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	231.10	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	316.00	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	239.44	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	331.15	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	260.60	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	363.63	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	286.94	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	371.50	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	294.89	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	386.46	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	315.94	
26 01 50 81-0181		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	690.52	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	767.01	
26 01 50 81-0184		Retrofit Existing Fluorescent Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0185		Retrofit Existing Fluorescent Fixtures (Cree® UR) *(26 01 50 81-0184)*		
		Note: Fully assembled Cree® UR retrofit. Includes one lightbar retrofit and one driver retrofit. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0186		LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR) *(26 01 50 81-0185)*		
26 01 50 81-0187	EA	2' Length, 2 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-24-35K-FD-LB-2)	94.27	
26 01 50 81-0188	EA	2' Length, 3 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-24-35K-FD-LB-3)	131.23	
26 01 50 81-0189	EA	4' Length, 2 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-48-35K-FD-LB-2)	112.70	
26 01 50 81-0190	EA	4' Length, 3 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-48-35K-FD-LB-3)	158.91	
26 01 50 81-0191		LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR) *(26 01 50 81-0185)*		
26 01 50 81-0192	EA	3,600 Lumens, 2' Length, 2 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-24-36L-S-FD-DR)	105.41	
26 01 50 81-0193	EA	3,600 Lumens, 2' Length, 3 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-24-36L-S-FD-DR)	123.88	
26 01 50 81-0194	EA	3,600 Lumens, 2' Length, 2 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-24-36L-10V-FD-DR)	142.36	
26 01 50 81-0195	EA	3,600 Lumens, 2' Length, 3 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-24-36L-10V-FD-DR)	179.32	
26 01 50 81-0196	EA	4,500 Lumens, 4' Length, 2 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-48-45L-S-FD-DR)	114.55	
26 01 50 81-0197	EA	4,500 Lumens, 4' Length, 3 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-48-45L-S-FD-DR)	133.02	
26 01 50 81-0198	EA	4,500 Lumens, 4' Length, 2 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-48-45L-10V-FD-DR)	151.51	
26 01 50 81-0199	EA	4,500 Lumens, 4' Length, 3 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-48-45L-10V-FD-DR)	188.46	
26 01 50 81-0200		Retrofit Existing HID Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0201	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,563.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0202		LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)* Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0203		LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0202)*		
26 01 50 81-0204	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	121.81	
		For >25 To 50, Deduct	*-6.09*	
		For >50 To 100, Deduct	*-10.66*	
		For >100, Deduct	*-18.29*	
26 01 50 81-0205	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	173.86	
		For >25 To 50, Deduct	*-8.69*	
		For >50 To 100, Deduct	*-14.57*	
		For >100, Deduct	*-23.50*	
26 01 50 81-0206	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	132.28	
		For >25 To 50, Deduct	*-6.61*	
		For >50 To 100, Deduct	*-11.53*	
		For >100, Deduct	*-19.68*	
26 01 50 81-0207	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	122.12	
		For >25 To 50, Deduct	*-6.11*	
		For >50 To 100, Deduct	*-10.77*	
		For >100, Deduct	*-18.66*	
26 01 50 81-0208	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	158.11	
		For >25 To 50, Deduct	*-7.91*	
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-22.60*	
26 01 50 81-0209	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	203.22	
		For >25 To 50, Deduct	*-10.16*	
		For >50 To 100, Deduct	*-16.94*	
		For >100, Deduct	*-27.11*	
26 01 50 81-0210	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.79	
		For >25 To 50, Deduct	*-6.59*	
		For >50 To 100, Deduct	*-11.58*	
		For >100, Deduct	*-19.97*	
26 01 50 81-0211	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.79	
		For >25 To 50, Deduct	*-6.59*	
		For >50 To 100, Deduct	*-11.58*	
		For >100, Deduct	*-19.97*	
26 01 50 81-0212	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	167.13	
		For >25 To 50, Deduct	*-8.36*	
		For >50 To 100, Deduct	*-14.23*	
		For >100, Deduct	*-23.50*	
26 01 50 81-0213	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	143.07	
		For >25 To 50, Deduct	*-7.15*	
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-21.10*	
26 01 50 81-0214	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	143.07	
		For >25 To 50, Deduct	*-7.15*	
		For >50 To 100, Deduct	*-12.43*	
		For >100, Deduct	*-21.10*	
26 01 50 81-0215		LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0202)*		
26 01 50 81-0216	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	281.07	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.05*	
		For >50 To 100, Deduct	*-22.78*	
		For >100, Deduct	*-34.90*	
26 01 50 81-0217	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	302.41	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-37.03*	
26 01 50 81-0218	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	318.36	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-25.57*	
		For >100, Deduct	*-38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0219	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	343.28	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-27.44*	
		For >100, Deduct	*-41.12*	
26 01 50 81-0220	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	369.13	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-18.46*	
		For >50 To 100, Deduct	*-29.72*	
		For >100, Deduct	*-45.06*	
26 01 50 81-0221	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	398.07	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.90*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-47.95*	

26 01 50 81-0222 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0202)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0223	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	115.39	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.77*	
		For >50 To 100, Deduct	*-10.18*	
		For >100, Deduct	*-17.65*	
26 01 50 81-0224	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	115.39	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.77*	
		For >50 To 100, Deduct	*-10.18*	
		For >100, Deduct	*-17.65*	
26 01 50 81-0225	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	151.27	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.56*	
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-21.92*	
26 01 50 81-0226	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	151.27	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.56*	
		For >50 To 100, Deduct	*-13.04*	
		For >100, Deduct	*-21.92*	
26 01 50 81-0227	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	151.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.57*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-21.93*	
26 01 50 81-0228	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	164.77	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.24*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-23.27*	
26 01 50 81-0229	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	151.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.57*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-21.93*	
26 01 50 81-0230	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	164.77	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.24*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-23.27*	
26 01 50 81-0231	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	151.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.57*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-21.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0232	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	164.77	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.24*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-23.27*	
26 01 50 81-0233	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	151.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.57*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-21.93*	
26 01 50 81-0234	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	164.77	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.24*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-23.27*	
26 01 50 81-0235	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	164.65	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.23*	
		For >50 To 100, Deduct	*-14.05*	
		For >100, Deduct	*-23.25*	
26 01 50 81-0236	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	193.27	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.66*	
		For >50 To 100, Deduct	*-16.19*	
		For >100, Deduct	*-26.12*	
26 01 50 81-0237	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	209.98	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.50*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-27.79*	
26 01 50 81-0238	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	193.27	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.66*	
		For >50 To 100, Deduct	*-16.19*	
		For >100, Deduct	*-26.12*	
26 01 50 81-0239	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	209.98	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.50*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-27.79*	
26 01 50 81-0240	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	205.83	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-15.78*	
		For >100, Deduct	*-21.94*	
26 01 50 81-0241	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	188.91	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.45*	
		For >50 To 100, Deduct	*-14.51*	
		For >100, Deduct	*-20.25*	
26 01 50 81-0242	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	196.71	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.84*	
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-28.50*	
26 01 50 81-0243	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	205.07	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-17.59*	
		For >100, Deduct	*-29.33*	
26 01 50 81-0244	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	287.18	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-14.36*	
		For >50 To 100, Deduct	*-23.74*	
		For >100, Deduct	*-37.54*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0245	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	320.62	
		For >25 To 50, Deduct	*-16.03*	
		For >50 To 100, Deduct	*-26.25*	
		For >100, Deduct	*-40.89*	
26 01 50 81-0246	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	287.18	
		For >25 To 50, Deduct	*-14.36*	
		For >50 To 100, Deduct	*-23.74*	
		For >100, Deduct	*-37.54*	
26 01 50 81-0247	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	320.62	
		For >25 To 50, Deduct	*-16.03*	
		For >50 To 100, Deduct	*-26.25*	
		For >100, Deduct	*-40.89*	

26 01 50 81-0248 Vapor Tight LED Retrofit Kit (ILP) *(26 01 50 81-0001)*

Note: 120-277 volt universal driver, 0-10 volt dimmable driver, 3000K, 3500K, 4000K or 5000K CCT. Compatible fixtures: Columbia XEM & HEM Series; LSI EG3 Series; HE Williams 96 Series; Simkar ENZ Series; Texas Fluorescents CIT Series; Atlas IFW Series; LDPI 376 Series; Daybrite DW Series; LIGHTOLIER STW.

26 01 50 81-0249	EA	4' Length, 18 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	240.30	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0250	EA	4' Length, 25 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	242.42	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0251	EA	4' Length, 28 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	263.10	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0252	EA	4' Length, 40 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	261.46	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0253	EA	4' Length, 48 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	269.91	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0254	EA	8' Length, 36 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	349.88	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0255	EA	8' Length, 50 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	368.90	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0256	EA	8' Length, 56 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	370.98	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0257	EA	8' Length, 80 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	373.12	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0258	EA	8' Length, 96 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	375.20	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,422.27	1,062.26
26 05 13 16-0005	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,288.09	1,159.89
26 05 13 16-0006	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,351.76	1,310.49
26 05 13 16-0007	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,289.72	1,614.57
26 05 13 16-0008	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,453.15	1,818.16
26 05 13 16-0009	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,719.95	2,018.10
26 05 13 16-0010	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,194.21	2,267.55
26 05 13 16-0011	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,755.82	2,522.75
26 05 13 16-0012	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,327.51	3,012.10
26 05 13 16-0013	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	23,247.67	3,540.65
26 05 13 16-0014	MLF	750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	35,246.13	4,173.04
26 05 13 16-0015	MLF	1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	47,251.24	4,805.13

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,289.49	
26 05 13 16-0018	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,911.15	
26 05 13 16-0019	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,598.24	
26 05 13 16-0020	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,025.58	
26 05 13 16-0021	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,679.96	
26 05 13 16-0022	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,695.75	
26 05 13 16-0023	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,546.43	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0024		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,725.32	
26 05 13 16-0025		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,206.13	
26 05 13 16-0026		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,924.34	
26 05 13 16-0027			**Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** *(26 05 13 16-0002)*		
26 05 13 16-0028		MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,528.90	666.63
26 05 13 16-0029		MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,278.09	714.76
26 05 13 16-0030		MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,464.82	903.89
26 05 13 16-0031		MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,153.98	1,097.29
26 05 13 16-0032		MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,312.79	1,288.12
26 05 13 16-0033		MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,568.71	1,473.10
26 05 13 16-0034		MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,043.45	1,709.22
26 05 13 16-0035		MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,133.29	2,150.30
26 05 13 16-0036		MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,989.33	2,720.80
26 05 13 16-0037		MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,432.53	3,418.43
26 05 13 16-0038			**5 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0002)*		
26 05 13 16-0039		MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,708.20	2,116.95
26 05 13 16-0040		MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,329.89	2,147.37
26 05 13 16-0041		MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,951.59	2,177.79
26 05 13 16-0042		MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,513.28	2,225.93
26 05 13 16-0043		MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	16,344.13	2,310.84
26 05 13 16-0044		MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	23,717.83	2,421.79
26 05 13 16-0045		MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	37,007.02	3,027.23
26 05 13 16-0046		MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	42,473.60	4,036.37
26 05 13 16-0047			**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** *(26 05 13 16-0002)*		
26 05 13 16-0048		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,740.29	1,062.26
26 05 13 16-0049		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,718.01	1,159.89
26 05 13 16-0050		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,905.36	1,310.49
26 05 13 16-0051		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,980.13	1,462.46
26 05 13 16-0052		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,055.33	1,614.57
26 05 13 16-0053		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,336.55	1,818.16
26 05 13 16-0054		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,921.37	2,018.10
26 05 13 16-0055		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,548.75	2,267.55
26 05 13 16-0056		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,456.66	2,522.75
26 05 13 16-0057		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,270.98	3,012.10
26 05 13 16-0058		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	25,838.97	3,540.65
26 05 13 16-0059		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	39,713.25	4,173.04
26 05 13 16-0060		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	53,594.15	4,805.13
26 05 13 16-0061			**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)*		
			Note: Excludes excavation.		
26 05 13 16-0062		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,607.51	
26 05 13 16-0063		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,341.07	
26 05 13 16-0064		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,151.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0065	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,972.09	
26 05 13 16-0066	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,791.19	
26 05 13 16-0067	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,563.36	
26 05 13 16-0068	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,897.17	
26 05 13 16-0069	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,900.97	
26 05 13 16-0070	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,426.16	
26 05 13 16-0071	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,149.61	
26 05 13 16-0072	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,515.64	
26 05 13 16-0073		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** *(26 05 13 16-0002)*		
26 05 13 16-0074	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,846.92	666.63
26 05 13 16-0075	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,708.01	714.76
26 05 13 16-0076	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,018.42	903.89
26 05 13 16-0077	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,967.20	999.87
26 05 13 16-0078	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,919.59	1,097.29
26 05 13 16-0079	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,196.19	1,288.12
26 05 13 16-0080	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,770.13	1,473.10
26 05 13 16-0081	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,397.99	1,709.22
26 05 13 16-0082	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,834.13	2,150.30
26 05 13 16-0083	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,932.81	2,720.80
26 05 13 16-0084	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	26,023.83	3,418.43
26 05 13 16-0085		**MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Tape Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)* Note: Excludes excavation.		
26 05 13 16-0086	LF	2/0 AWG, MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (Southwire SPEC 46102)	6.16	
26 05 13 16-0087		**15 KV Cable** *(26 05 13 16-0001)*		
26 05 13 16-0088		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0087)*		
26 05 13 16-0089		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0088)*		
26 05 13 16-0090	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,693.39	2,116.95
26 05 13 16-0091	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,588.69	2,116.95
26 05 13 16-0092	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,930.19	2,116.95
26 05 13 16-0093	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	12,042.67	2,116.95
26 05 13 16-0094	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,098.58	2,116.95
26 05 13 16-0095	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	15,102.80	2,209.73
26 05 13 16-0096	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	15,517.62	2,209.73
26 05 13 16-0097	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	18,033.32	2,310.84
26 05 13 16-0098	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	20,601.09	2,365.03
26 05 13 16-0099	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	25,553.24	2,663.97

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0100		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0088)* Note: Excludes excavation.		
26 05 13 16-0101	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,653.00	
26 05 13 16-0102	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,765.48	
26 05 13 16-0103	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,821.39	
26 05 13 16-0104	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,854.88	
26 05 13 16-0105	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,269.69	
26 05 13 16-0106	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,910.25	
26 05 13 16-0107	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,482.04	
26 05 13 16-0108	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	23,131.46	
26 05 13 16-0109		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0088)*		
26 05 13 16-0110	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,155.12	952.31
26 05 13 16-0111	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,650.89	1,097.29
26 05 13 16-0112	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,211.25	1,288.12
26 05 13 16-0113	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,472.80	1,473.10
26 05 13 16-0114	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,511.67	1,709.22
26 05 13 16-0115	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,516.16	1,989.75
26 05 13 16-0116	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,817.56	2,318.56
26 05 13 16-0117	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	26,012.92	2,693.24
26 05 13 16-0118		**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0087)*		
26 05 13 16-0119		**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0118)*		
26 05 13 16-0120	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,485.58	2,116.95
26 05 13 16-0121	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,542.02	2,116.95
26 05 13 16-0122	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,944.99	2,116.95
26 05 13 16-0123	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,257.73	2,116.95
26 05 13 16-0124	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,503.70	2,116.95
26 05 13 16-0125	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,826.96	2,209.73
26 05 13 16-0126	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	17,316.45	2,209.73
26 05 13 16-0127	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	20,239.42	2,310.84
26 05 13 16-0128	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	23,245.02	2,365.03
26 05 13 16-0129	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	28,954.04	2,663.97
26 05 13 16-0130		**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0118)* Note: Excludes excavation.		
26 05 13 16-0131	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,667.81	
26 05 13 16-0132	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,980.53	
26 05 13 16-0133	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,226.51	
26 05 13 16-0134	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,579.04	
26 05 13 16-0135	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,068.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0136	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,109.93	
26 05 13 16-0137	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	21,116.48	
26 05 13 16-0138	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	26,532.26	
26 05 13 16-0139		**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0118)*		
26 05 13 16-0140	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,169.93	952.31
26 05 13 16-0141	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,865.94	1,097.29
26 05 13 16-0142	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,616.37	1,288.12
26 05 13 16-0143	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,196.96	1,473.10
26 05 13 16-0144	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,310.49	1,709.22
26 05 13 16-0145	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,722.26	1,989.75
26 05 13 16-0146	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,461.49	2,318.56
26 05 13 16-0147	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	29,413.72	2,693.24
26 05 13 16-0148		**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0087)*		
26 05 13 16-0149	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,472.37	2,124.37
26 05 13 16-0150	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,308.94	2,175.14
26 05 13 16-0151	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	19,137.28	2,225.93
26 05 13 16-0152	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	26,725.44	2,374.26
26 05 13 16-0153		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0087)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0154		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0153)*		
26 05 13 16-0155	LF	#2 AWG, TC, 15 KV, Three Conductors, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	65.01	16.19
26 05 13 16-0156	LF	1/0 AWG, TC, 15 KV, Three Conductors, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	78.95	17.25
26 05 13 16-0157		**Aluminum Interlocked Armor Cable** *(26 05 13 16-0153)*		
26 05 13 16-0158	LF	#2 AWG, TC, 15 KV, Three Conductors, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	65.01	16.19
26 05 13 16-0159	LF	1/0 AWG, TC, 15 KV, Three Conductors, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	78.95	17.25
26 05 13 16-0160		**Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable** *(26 05 13 16-0087)* Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0161	MLF	#4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,790.07	1,062.26
26 05 13 16-0162	MLF	#2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,785.31	1,159.89
26 05 13 16-0163	MLF	#1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,992.01	1,310.49
26 05 13 16-0164	MLF	1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,164.42	1,610.19
26 05 13 16-0165	MLF	2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,461.23	1,812.71
26 05 13 16-0166	MLF	3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	13,109.42	2,018.10
26 05 13 16-0167	MLF	4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	14,739.62	2,259.07
26 05 13 16-0168		**15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial** *(26 05 13 16-0087)*		
26 05 13 16-0169	MLF	#6 AWG, 15 KV, Three Conductors, URD Copper Cable, Direct Burial	25,778.47	
26 05 13 16-0170		**MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Tape Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0087)*		
26 05 13 16-0171	LF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (Okoguard-Okolon MV-105)	13.90	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0172			MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Galvanized Steel Interlocked Armor, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0087)*		
26 05 13 16-0173	LF		500 MCM, MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Galvanized Steel Interlocked Armor, Three Copper Conductors, 133% Insulation Cable, Direct Burial (Southwire SPEC 46454)	28.70	
26 05 13 16-0174			25 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0175			Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor *(26 05 13 16-0174)*		
26 05 13 16-0176			Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Installed In Duct *(26 05 13 16-0175)*		
26 05 13 16-0177	MLF		#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	15,153.39	2,328.64
			For Aluminum Core, Deduct	*-4,199.31*	
26 05 13 16-0178	MLF		1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	16,340.93	2,328.64
			For Aluminum Core, Deduct	*-4,733.70*	
26 05 13 16-0179	MLF		2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	18,680.54	2,328.64
			For Aluminum Core, Deduct	*-5,786.52*	
26 05 13 16-0180	MLF		3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	20,991.52	2,430.71
			For Aluminum Core, Deduct	*-6,711.73*	
26 05 13 16-0181	MLF		4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	23,605.82	2,430.71
			For Aluminum Core, Deduct	*-7,888.16*	
26 05 13 16-0182	MLF		#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	13,389.86	2,328.64
			For Aluminum Core, Deduct	*-3,405.72*	
26 05 13 16-0183	MLF		1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	14,426.72	2,328.64
			For Aluminum Core, Deduct	*-3,872.30*	
26 05 13 16-0184	MLF		2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	15,640.83	2,328.64
			For Aluminum Core, Deduct	*-4,418.65*	
26 05 13 16-0185	MLF		3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	17,730.27	2,430.71
			For Aluminum Core, Deduct	*-5,244.17*	
26 05 13 16-0186	MLF		4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	19,688.81	2,430.71
			For Aluminum Core, Deduct	*-6,125.51*	
26 05 13 16-0187	MLF		250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	22,138.31	2,541.92
			For Aluminum Core, Deduct	*-7,102.54*	
26 05 13 16-0188	MLF		350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	26,346.11	2,601.53
			For Aluminum Core, Deduct	*-8,929.03*	
26 05 13 16-0189	MLF		500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	34,825.07	2,930.37
			For Aluminum Core, Deduct	*-12,374.62*	
26 05 13 16-0190	MLF		750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	46,431.98	3,329.95
			For Aluminum Core, Deduct	*-17,148.19*	
26 05 13 16-0191	MLF		1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	57,995.96	3,995.95
			For Aluminum Core, Deduct	*-21,602.74*	
26 05 13 16-0192			Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Direct Burial *(26 05 13 16-0175)*		
			Note: Excludes excavation.		
26 05 13 16-0193	MLF		#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	12,648.48	
			For Aluminum Core, Deduct	*-4,199.31*	
26 05 13 16-0194	MLF		1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	13,836.02	
			For Aluminum Core, Deduct	*-4,733.70*	
26 05 13 16-0195	MLF		2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	16,175.63	
			For Aluminum Core, Deduct	*-5,786.52*	
26 05 13 16-0196	MLF		3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	18,518.80	
			For Aluminum Core, Deduct	*-6,711.73*	
26 05 13 16-0197	MLF		4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	21,133.10	
			For Aluminum Core, Deduct	*-7,888.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0198	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	10,884.95	
		For Aluminum Core, Deduct	*-3,405.72*	
26 05 13 16-0199	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	11,921.81	
		For Aluminum Core, Deduct	*-3,872.30*	
26 05 13 16-0200	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	13,135.92	
		For Aluminum Core, Deduct	*-4,418.65*	
26 05 13 16-0201	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	15,257.55	
		For Aluminum Core, Deduct	*-5,244.17*	
26 05 13 16-0202	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	17,216.09	
		For Aluminum Core, Deduct	*-6,125.51*	
26 05 13 16-0203	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	19,805.12	
		For Aluminum Core, Deduct	*-7,102.54*	
26 05 13 16-0204	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	24,004.74	
		For Aluminum Core, Deduct	*-8,929.03*	
26 05 13 16-0205	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	32,161.10	
		For Aluminum Core, Deduct	*-12,374.62*	
26 05 13 16-0206	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	43,518.27	
		For Aluminum Core, Deduct	*-17,148.19*	
26 05 13 16-0207	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	54,499.51	
		For Aluminum Core, Deduct	*-21,602.74*	

26 05 13 16-0208 Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0175)*

26 05 13 16-0209	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	12,100.81	1,047.54
		For Aluminum Core, Deduct	*-4,199.31*	
26 05 13 16-0210	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	13,709.97	1,207.02
		For Aluminum Core, Deduct	*-4,733.70*	
26 05 13 16-0211	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	16,604.47	1,416.94
		For Aluminum Core, Deduct	*-5,786.52*	
26 05 13 16-0212	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	19,198.51	1,620.41
		For Aluminum Core, Deduct	*-6,711.73*	
26 05 13 16-0213	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	22,499.27	1,880.14
		For Aluminum Core, Deduct	*-7,888.16*	
26 05 13 16-0214	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	10,337.28	1,047.54
		For Aluminum Core, Deduct	*-3,405.72*	
26 05 13 16-0215	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	11,795.76	1,207.02
		For Aluminum Core, Deduct	*-3,872.30*	
26 05 13 16-0216	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	13,564.76	1,416.94
		For Aluminum Core, Deduct	*-4,418.65*	
26 05 13 16-0217	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	15,937.26	1,620.41
		For Aluminum Core, Deduct	*-5,244.17*	
26 05 13 16-0218	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	18,582.26	1,880.14
		For Aluminum Core, Deduct	*-6,125.51*	
26 05 13 16-0219	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	21,569.44	2,188.73
		For Aluminum Core, Deduct	*-7,102.54*	
26 05 13 16-0220	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	26,584.24	2,550.42
		For Aluminum Core, Deduct	*-8,929.03*	
26 05 13 16-0221	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	35,330.71	2,962.56
		For Aluminum Core, Deduct	*-12,374.62*	
26 05 13 16-0222	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	47,896.44	3,703.24
		For Aluminum Core, Deduct	*-17,148.19*	
26 05 13 16-0223	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 25 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	59,753.25	4,443.92
		For Aluminum Core, Deduct	*-21,602.74*	

26 05 13 16-0224 35 KV And 70 KV Cable *(26 05 13 16-0001)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0225			Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor *(26 05 13 16-0224)*		
26 05 13 16-0226			Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Installed In Duct *(26 05 13 16-0225)*		
26 05 13 16-0227		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	18,811.60	2,487.41
			For Aluminum Core, Deduct	*-5,666.89*	
26 05 13 16-0228		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	21,257.53	2,487.41
			For Aluminum Core, Deduct	*-6,767.55*	
26 05 13 16-0229		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	23,408.69	2,596.44
			For Aluminum Core, Deduct	*-7,613.01*	
26 05 13 16-0230		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	26,652.19	2,596.44
			For Aluminum Core, Deduct	*-9,072.59*	
26 05 13 16-0231		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	16,861.95	2,487.41
			For Aluminum Core, Deduct	*-4,789.54*	
26 05 13 16-0232		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	18,146.91	2,487.41
			For Aluminum Core, Deduct	*-5,367.78*	
26 05 13 16-0233		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	20,076.50	2,596.44
			For Aluminum Core, Deduct	*-6,113.52*	
26 05 13 16-0234		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	22,114.81	2,596.44
			For Aluminum Core, Deduct	*-7,030.76*	
26 05 13 16-0235		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	25,141.61	2,715.24
			For Aluminum Core, Deduct	*-8,259.05*	
26 05 13 16-0236		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	29,536.79	2,778.91
			For Aluminum Core, Deduct	*-10,165.28*	
26 05 13 16-0237		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	38,373.14	3,130.16
			For Aluminum Core, Deduct	*-13,746.48*	
26 05 13 16-0238		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	49,693.72	3,557.00
			For Aluminum Core, Deduct	*-18,360.54*	
26 05 13 16-0239		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	61,752.27	4,268.40
			For Aluminum Core, Deduct	*-22,986.57*	
26 05 13 16-0240			Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Direct Burial *(26 05 13 16-0225)*		
			Note: Excludes excavation.		
26 05 13 16-0241		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	16,135.91	
			For Aluminum Core, Deduct	*-5,666.89*	
26 05 13 16-0242		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	18,581.84	
			For Aluminum Core, Deduct	*-6,767.55*	
26 05 13 16-0243		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	20,767.36	
			For Aluminum Core, Deduct	*-7,613.01*	
26 05 13 16-0244		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	24,010.86	
			For Aluminum Core, Deduct	*-9,072.59*	
26 05 13 16-0245		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	14,186.26	
			For Aluminum Core, Deduct	*-4,789.54*	
26 05 13 16-0246		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	15,471.22	
			For Aluminum Core, Deduct	*-5,367.78*	
26 05 13 16-0247		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	17,435.17	
			For Aluminum Core, Deduct	*-6,113.52*	
26 05 13 16-0248		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	19,473.48	
			For Aluminum Core, Deduct	*-7,030.76*	
26 05 13 16-0249		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	22,649.35	
			For Aluminum Core, Deduct	*-8,259.05*	
26 05 13 16-0250		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	27,035.77	
			For Aluminum Core, Deduct	*-10,165.28*	
26 05 13 16-0251		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	35,527.54	
			For Aluminum Core, Deduct	*-13,746.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0252	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	46,581.34	
		For Aluminum Core, Deduct	*-18,360.54*	
26 05 13 16-0253	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	58,017.41	
		For Aluminum Core, Deduct	*-22,986.57*	

26 05 13 16-0254 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0225)*

26 05 13 16-0255	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	16,001.26	1,289.32
		For Aluminum Core, Deduct	*-5,666.89*	
26 05 13 16-0256	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	19,039.91	1,513.54
		For Aluminum Core, Deduct	*-6,767.55*	
26 05 13 16-0257	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	21,493.42	1,730.90
		For Aluminum Core, Deduct	*-7,613.01*	
26 05 13 16-0258	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	25,470.19	2,008.33
		For Aluminum Core, Deduct	*-9,072.59*	
26 05 13 16-0259	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	13,601.25	1,118.96
		For Aluminum Core, Deduct	*-4,789.54*	
26 05 13 16-0260	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	15,929.29	1,513.54
		For Aluminum Core, Deduct	*-5,367.78*	
26 05 13 16-0261	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	18,161.23	1,730.90
		For Aluminum Core, Deduct	*-6,113.52*	
26 05 13 16-0262	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	20,932.81	2,008.33
		For Aluminum Core, Deduct	*-7,030.76*	
26 05 13 16-0263	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	24,533.95	2,337.96
		For Aluminum Core, Deduct	*-8,259.05*	
26 05 13 16-0264	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	29,791.15	2,724.32
		For Aluminum Core, Deduct	*-10,165.28*	
26 05 13 16-0265	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	38,913.26	3,164.55
		For Aluminum Core, Deduct	*-13,746.48*	
26 05 13 16-0266	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	51,258.02	3,955.73
		For Aluminum Core, Deduct	*-18,360.54*	
26 05 13 16-0267	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compressed Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	63,629.36	4,746.91
		For Aluminum Core, Deduct	*-22,986.57*	

26 05 13 16-0268 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor *(26 05 13 16-0224)*

26 05 13 16-0269 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation Cable, Installed In Duct *(26 05 13 16-0268)*

26 05 13 16-0270	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	18,634.35	2,487.41
		For Aluminum Core, Deduct	*-5,587.12*	
26 05 13 16-0271	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	20,823.29	2,487.41
		For Aluminum Core, Deduct	*-6,572.15*	
26 05 13 16-0272	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	23,213.69	2,596.44
		For Aluminum Core, Deduct	*-7,525.26*	
26 05 13 16-0273	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed In Duct	25,845.74	2,596.44
		For Aluminum Core, Deduct	*-8,709.68*	
26 05 13 16-0274	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	16,693.57	2,487.41
		For Aluminum Core, Deduct	*-4,713.77*	
26 05 13 16-0275	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	18,005.15	2,487.41
		For Aluminum Core, Deduct	*-5,303.98*	
26 05 13 16-0276	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	19,890.42	2,596.44
		For Aluminum Core, Deduct	*-6,029.79*	
26 05 13 16-0277	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	21,769.18	2,596.44
		For Aluminum Core, Deduct	*-6,875.23*	
26 05 13 16-0278	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	24,131.33	2,715.24
		For Aluminum Core, Deduct	*-7,804.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0279	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	29,129.13	2,778.91
		For Aluminum Core, Deduct	*-9,981.84*	
26 05 13 16-0280	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	36,450.06	3,130.16
		For Aluminum Core, Deduct	*-12,881.10*	
26 05 13 16-0281	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	48,984.75	3,557.00
		For Aluminum Core, Deduct	*-18,041.51*	
26 05 13 16-0282	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed In Duct	59,944.37	4,268.40
		For Aluminum Core, Deduct	*-22,173.01*	

26 05 13 16-0283 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation Cable, Direct Burial *(26 05 13 16-0268)*

Note: Excludes excavation.

26 05 13 16-0284	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	15,958.66	
		For Aluminum Core, Deduct	*-5,587.12*	
26 05 13 16-0285	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	18,147.60	
		For Aluminum Core, Deduct	*-6,572.15*	
26 05 13 16-0286	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	20,572.36	
		For Aluminum Core, Deduct	*-7,525.26*	
26 05 13 16-0287	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Direct Burial	23,204.41	
		For Aluminum Core, Deduct	*-8,709.68*	
26 05 13 16-0288	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	14,017.88	
		For Aluminum Core, Deduct	*-4,713.77*	
26 05 13 16-0289	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	15,329.46	
		For Aluminum Core, Deduct	*-5,303.98*	
26 05 13 16-0290	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	17,249.09	
		For Aluminum Core, Deduct	*-6,029.79*	
26 05 13 16-0291	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	19,127.85	
		For Aluminum Core, Deduct	*-6,875.23*	
26 05 13 16-0292	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	21,639.07	
		For Aluminum Core, Deduct	*-7,804.43*	
26 05 13 16-0293	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	26,628.11	
		For Aluminum Core, Deduct	*-9,981.84*	
26 05 13 16-0294	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	33,604.46	
		For Aluminum Core, Deduct	*-12,881.10*	
26 05 13 16-0295	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	45,872.37	
		For Aluminum Core, Deduct	*-18,041.51*	
26 05 13 16-0296	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Direct Burial	56,209.51	
		For Aluminum Core, Deduct	*-22,173.01*	

26 05 13 16-0297 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0268)*

26 05 13 16-0298	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	15,824.01	1,289.32
		For Aluminum Core, Deduct	*-5,587.12*	
26 05 13 16-0299	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	18,605.67	1,513.54
		For Aluminum Core, Deduct	*-6,572.15*	
26 05 13 16-0300	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	21,298.42	1,730.90
		For Aluminum Core, Deduct	*-7,525.26*	
26 05 13 16-0301	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	24,663.74	2,008.33
		For Aluminum Core, Deduct	*-8,709.68*	
26 05 13 16-0302	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	13,432.87	1,118.96
		For Aluminum Core, Deduct	*-4,713.77*	
26 05 13 16-0303	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	15,787.53	1,513.54
		For Aluminum Core, Deduct	*-5,303.98*	
26 05 13 16-0304	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	17,975.15	1,730.90
		For Aluminum Core, Deduct	*-6,029.79*	
26 05 13 16-0305	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	20,587.18	2,008.33
		For Aluminum Core, Deduct	*-6,875.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0306	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	23,523.67	2,337.96
		For Aluminum Core, Deduct	*-7,804.43*	
26 05 13 16-0307	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	29,383.49	2,724.32
		For Aluminum Core, Deduct	*-9,981.84*	
26 05 13 16-0308	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	36,990.18	3,164.55
		For Aluminum Core, Deduct	*-12,881.10*	
26 05 13 16-0309	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	50,549.05	3,955.73
		For Aluminum Core, Deduct	*-18,041.51*	
26 05 13 16-0310	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 100% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	61,821.46	4,746.91
		For Aluminum Core, Deduct	*-22,173.01*	

26 05 13 16-0311 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0268)*

26 05 13 16-0312	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed In Duct	20,415.63	2,487.41
		For Aluminum Core, Deduct	*-6,388.70*	
26 05 13 16-0313	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed In Duct	23,242.63	2,487.41
		For Aluminum Core, Deduct	*-7,660.85*	
26 05 13 16-0314	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed In Duct	25,703.94	2,596.44
		For Aluminum Core, Deduct	*-8,645.87*	
26 05 13 16-0315	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed In Duct	28,424.64	2,596.44
		For Aluminum Core, Deduct	*-9,870.19*	
26 05 13 16-0316	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	18,448.22	2,487.41
		For Aluminum Core, Deduct	*-5,503.37*	
26 05 13 16-0317	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	19,813.01	2,487.41
		For Aluminum Core, Deduct	*-6,117.52*	
26 05 13 16-0318	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	22,300.89	2,596.44
		For Aluminum Core, Deduct	*-7,114.50*	
26 05 13 16-0319	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	24,259.42	2,596.44
		For Aluminum Core, Deduct	*-7,995.84*	
26 05 13 16-0320	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	26,736.80	2,715.24
		For Aluminum Core, Deduct	*-8,976.89*	
26 05 13 16-0321	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	31,380.14	2,778.91
		For Aluminum Core, Deduct	*-10,994.79*	
26 05 13 16-0322	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	38,576.93	3,130.16
		For Aluminum Core, Deduct	*-13,838.19*	
26 05 13 16-0323	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	51,607.93	3,557.00
		For Aluminum Core, Deduct	*-19,221.94*	
26 05 13 16-0324	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed In Duct	63,639.90	4,268.40
		For Aluminum Core, Deduct	*-23,836.00*	

26 05 13 16-0325 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0268)*

Note: Excludes excavation.

26 05 13 16-0326	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Direct Burial	17,739.94	
		For Aluminum Core, Deduct	*-6,388.70*	
26 05 13 16-0327	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Direct Burial	20,566.94	
		For Aluminum Core, Deduct	*-7,660.85*	
26 05 13 16-0328	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Direct Burial	23,062.61	
		For Aluminum Core, Deduct	*-8,645.87*	
26 05 13 16-0329	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Direct Burial	25,783.31	
		For Aluminum Core, Deduct	*-9,870.19*	
26 05 13 16-0330	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	15,772.53	
		For Aluminum Core, Deduct	*-5,503.37*	
26 05 13 16-0331	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	17,137.32	
		For Aluminum Core, Deduct	*-6,117.52*	
26 05 13 16-0332	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	19,659.56	
		For Aluminum Core, Deduct	*-7,114.50*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0333		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	21,618.09	
			For Aluminum Core, Deduct	*-7,995.84*	
26 05 13 16-0334		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	24,244.54	
			For Aluminum Core, Deduct	*-8,976.89*	
26 05 13 16-0335		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	28,879.12	
			For Aluminum Core, Deduct	*-10,994.79*	
26 05 13 16-0336		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	35,731.33	
			For Aluminum Core, Deduct	*-13,838.19*	
26 05 13 16-0337		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	48,495.55	
			For Aluminum Core, Deduct	*-19,221.94*	
26 05 13 16-0338		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Direct Burial	59,905.04	
			For Aluminum Core, Deduct	*-23,836.00*	

26 05 13 16-0339 Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0268)*

26 05 13 16-0340		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	17,605.29	1,289.32
			For Aluminum Core, Deduct	*-6,388.70*	
26 05 13 16-0341		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	21,025.01	1,513.54
			For Aluminum Core, Deduct	*-7,660.85*	
26 05 13 16-0342		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	23,788.67	1,730.90
			For Aluminum Core, Deduct	*-8,645.87*	
26 05 13 16-0343		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, Full Neutral Cable, Installed On Poles (Aerial)	27,242.64	2,008.33
			For Aluminum Core, Deduct	*-9,870.19*	
26 05 13 16-0344		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	15,187.52	1,118.96
			For Aluminum Core, Deduct	*-5,503.37*	
26 05 13 16-0345		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	17,595.39	1,513.54
			For Aluminum Core, Deduct	*-6,117.52*	
26 05 13 16-0346		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	20,385.62	1,730.90
			For Aluminum Core, Deduct	*-7,114.50*	
26 05 13 16-0347		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	23,077.42	2,008.33
			For Aluminum Core, Deduct	*-7,995.84*	
26 05 13 16-0348		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	26,129.14	2,337.96
			For Aluminum Core, Deduct	*-8,976.89*	
26 05 13 16-0349		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	31,634.50	2,724.32
			For Aluminum Core, Deduct	*-10,994.79*	
26 05 13 16-0350		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	39,117.05	3,164.55
			For Aluminum Core, Deduct	*-13,838.19*	
26 05 13 16-0351		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	53,172.23	3,955.73
			For Aluminum Core, Deduct	*-19,221.94*	
26 05 13 16-0352		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Copper Compact Round Conductor, 133% Insulation, 1/3 Neutral Cable, Installed On Poles (Aerial)	65,516.99	4,746.91
			For Aluminum Core, Deduct	*-23,836.00*	

26 05 13 16-0353 MV-105, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Single Aluminum Conductor, Direct Burial *(26 05 13 16-0224)*

26 05 13 16-0354		LF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 35 KV, Single Aluminum Conductor, 100% Insulation, Direct Burial (Southwire 61919401)	9.63	

26 05 13 16-0355 Wire Connections *(26 05 13 16-0001)*

26 05 13 16-0356 Medium Voltage Up To 5 KV *(26 05 13 16-0355)*

26 05 13 16-0357 Shielded One Conductor Cable Splice *(26 05 13 16-0356)*

26 05 13 16-0358		EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	557.54	135.48
26 05 13 16-0359		EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	847.49	135.48
26 05 13 16-0360		EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	847.49	135.48
26 05 13 16-0361		EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	887.81	162.57
26 05 13 16-0362		EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	887.81	162.57
26 05 13 16-0363		EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	887.81	162.57
26 05 13 16-0364		EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	941.57	189.67
26 05 13 16-0365		EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	941.57	189.67
26 05 13 16-0366		EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	941.57	189.67

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0367		**Cable Termination Without Stress Cone** *(26 05 13 16-0356)*		
26 05 13 16-0368	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	938.02	162.57
26 05 13 16-0369	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	1,078.22	189.67
26 05 13 16-0370		**Cable Termination With Stress Cone** *(26 05 13 16-0356)*		
26 05 13 16-0371	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,136.99	325.14
26 05 13 16-0372	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	4,294.66	447.08
26 05 13 16-0373		**Connect To Pothead, Pothead Included** *(26 05 13 16-0356)*		
26 05 13 16-0374	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	3,312.12	325.14
26 05 13 16-0375	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	4,319.30	372.57
26 05 13 16-0376		**Two Conductor Pothead** *(26 05 13 16-0356)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0377	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,958.18	447.08
26 05 13 16-0378	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,711.47	569.01
26 05 13 16-0379	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,609.05	645.14
26 05 13 16-0380	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,142.87	752.71
26 05 13 16-0381	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	15,533.08	1,128.94
26 05 13 16-0382		**Three Conductor Pothead** *(26 05 13 16-0356)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0383	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	10,533.27	650.29
26 05 13 16-0384	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	11,432.94	758.67
26 05 13 16-0385		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0356)*		
		Note: For bare wire.		
26 05 13 16-0386	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	95.17	
26 05 13 16-0387	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	106.54	
26 05 13 16-0388	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	124.13	
26 05 13 16-0389	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	139.26	
26 05 13 16-0390	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	157.85	
26 05 13 16-0391	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	175.08	
26 05 13 16-0392	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	191.74	
26 05 13 16-0393	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	210.73	
26 05 13 16-0394	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	228.32	
26 05 13 16-0395	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	246.97	
26 05 13 16-0396	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	266.96	
26 05 13 16-0397	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	283.73	
26 05 13 16-0398	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	322.88	
26 05 13 16-0399	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	365.25	
26 05 13 16-0400		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0356)*		
		Note: For bare wire.		
26 05 13 16-0401	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	101.42	
26 05 13 16-0402	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	109.99	
26 05 13 16-0403	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	150.66	
26 05 13 16-0404	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	186.84	
26 05 13 16-0405	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	202.43	
26 05 13 16-0406	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	217.87	
26 05 13 16-0407	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	241.06	
26 05 13 16-0408	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	260.41	
26 05 13 16-0409	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	278.29	
26 05 13 16-0410	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	297.58	
26 05 13 16-0411	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	315.87	
26 05 13 16-0412	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	368.93	
26 05 13 16-0413	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	422.69	
26 05 13 16-0414		**15 KV** *(26 05 13 16-0355)*		
26 05 13 16-0415		**Single Conductor Pothead On Racks** *(26 05 13 16-0414)*		
		Note: Includes pothead.		
26 05 13 16-0416	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,345.60	569.01
26 05 13 16-0417	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	3,023.87	704.48
26 05 13 16-0418		**Two Conductor Pothead On Rack** *(26 05 13 16-0414)*		
		Note: Includes pothead.		
26 05 13 16-0419	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,377.75	867.06
26 05 13 16-0420	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	4,100.14	1,029.63

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0421			**Three Conductor Pothead On Rack** *(26 05 13 16-0414)*		
			Note: Includes pothead.		
	26 05 13 16-0422	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	4,269.95	1,124.47
	26 05 13 16-0423	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	5,309.22	1,408.97
26 05 13 16-0424			**Stress Relief Cone On Rack** *(26 05 13 16-0414)*		
	26 05 13 16-0425	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	2,134.01	569.01
	26 05 13 16-0426	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,785.98	704.48
26 05 13 16-0427			**Grounded, Shielded Cable Splice** *(26 05 13 16-0414)*		
	26 05 13 16-0428	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,405.20	419.99
	26 05 13 16-0429	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,792.36	541.91
	26 05 13 16-0430	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	10,974.53	1,490.25
	26 05 13 16-0431	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	14,701.78	1,625.73
26 05 13 16-0432			**Cable Termination** *(26 05 13 16-0414)*		
	26 05 13 16-0433	EA	#2 To 3/0 AWG Cable Termination 15 KV	1,020.32	237.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.25*	
	26 05 13 16-0434	EA	4/0 To 250 MCM Cable Termination 15 KV	1,277.86	304.82
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.90*	
	26 05 13 16-0435	EA	350 To 500 MCM Cable Termination 15 KV	1,595.54	372.57
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	
	26 05 13 16-0436	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	682.92	135.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 05 13 16-0437			**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0414)*		
	26 05 13 16-0438	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,570.43	176.12
	26 05 13 16-0439	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,802.03	194.66
	26 05 13 16-0440	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	2,178.62	213.02
	26 05 13 16-0441	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,862.64	245.43
26 05 13 16-0442			**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 16-0414)*		
	26 05 13 16-0443	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,140.90	352.84
	26 05 13 16-0444	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,604.60	389.30
	26 05 13 16-0445	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	4,341.40	418.14
	26 05 13 16-0446	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	5,725.26	490.87
26 05 13 16-0447			**35 KV** *(26 05 13 16-0355)*		
26 05 13 16-0448			**35 KV One Conductor Splice** *(26 05 13 16-0447)*		
	26 05 13 16-0449	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,533.40	
26 05 13 16-0450			**Cable Termination** *(26 05 13 16-0447)*		
	26 05 13 16-0451	EA	#2 To 3/0 AWG Cable Termination, 35 KV	984.45	162.71
	26 05 13 16-0452	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,297.27	245.49
	26 05 13 16-0453	EA	350 To 500 MCM Cable Termination 35 KV	1,551.39	262.56
	26 05 13 16-0454	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	768.11	135.48
26 05 13 16-0455			**70 KV** *(26 05 13 16-0355)*		
26 05 13 16-0456			**Cable Splice** *(26 05 13 16-0455)*		
	26 05 13 16-0457	EA	350 MCM, 70 KV, Cable Splicing	27,275.36	
	26 05 13 16-0458	EA	#2 To 4/0, 70 KV, Cable Splicing	3,747.45	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001			**Under Carpet Power System** *(26 05 19 13)*		
			Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
	26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	8.07	0.62
	26 05 19 13-0003	LF	Steel, Top Shield	13.87	0.62
	26 05 19 13-0004	EA	3-Conductor, Splice	43.13	10.53
	26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	11.72	4.96
	26 05 19 13-0006	EA	3-Conductor, Tap	54.06	12.38
	26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	87.67	10.53
	26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	57.46	6.19
	26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	172.89	19.81
	26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	288.91	30.95
	26 05 19 13-0011	EA	Floor Mounted Box With Cover	290.24	24.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	12.99	0.62
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	12.89	0.62
26 05 19 13-0014	EA	5-Conductor, Splice	43.76	10.53
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	76.79	6.19
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	125.04	24.76
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	80.83	20.43
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	107.67	23.52
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	46.66	9.28
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.67	0.62
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	35.31	12.38
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	35.31	12.38
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	186.90	61.90

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.43	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.22	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.73	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.46	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.70	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.71	
26 05 19 16-0010	EA	Minimum Set-up Charge For Boring Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	518.57	

26 05 19 16-0011 Wire and Cable *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, labeling and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*

26 05 19 16-0013 Multi-Conductor Cords *(26 05 19 16-0012)*

Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.

26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0013)*

Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.

26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*

26 05 19 16-0016 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0017	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.18	0.54
26 05 19 16-0018	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.22	0.54
26 05 19 16-0019	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.32	0.54

26 05 19 16-0020 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0021	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.39	0.54
26 05 19 16-0022	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.45	0.54
26 05 19 16-0023	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.53	0.54

26 05 19 16-0024 #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0025	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.50	0.54
26 05 19 16-0026	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.60	0.54
26 05 19 16-0027	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.78	0.54

26 05 19 16-0028 #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*

26 05 19 16-0029	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.66	0.54
26 05 19 16-0030	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.77	0.54
26 05 19 16-0031	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.93	0.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0032		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0033	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.05	0.68
26 05 19 16-0034	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.13	0.68
26 05 19 16-0035	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.25	0.68
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0037		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0038	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.22	0.54
26 05 19 16-0039	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.29	0.54
26 05 19 16-0040	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.38	0.54
26 05 19 16-0041	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.21	0.73
26 05 19 16-0042	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.37	0.75
26 05 19 16-0043	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.50	0.77
26 05 19 16-0044	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.71	0.79
26 05 19 16-0045	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.05	0.83
26 05 19 16-0046	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.42	0.85
26 05 19 16-0047	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.33	0.87
26 05 19 16-0048	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.42	0.89
26 05 19 16-0049	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.53	0.91
26 05 19 16-0050	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.98	0.93
26 05 19 16-0051	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.13	0.95
26 05 19 16-0052	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.41	1.01
26 05 19 16-0053		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0054	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.45	0.54
26 05 19 16-0055	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.51	0.54
26 05 19 16-0056	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.62	0.54
26 05 19 16-0057	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.28	0.73
26 05 19 16-0058	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.47	0.75
26 05 19 16-0059	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.66	0.77
26 05 19 16-0060	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.91	0.79
26 05 19 16-0061	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.02	0.81
26 05 19 16-0062	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.30	0.83
26 05 19 16-0063	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.78	0.85
26 05 19 16-0064	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.02	0.87
26 05 19 16-0065	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.48	0.89
26 05 19 16-0066	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.09	0.91
26 05 19 16-0067	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.64	0.93
26 05 19 16-0068	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.70	0.95
26 05 19 16-0069	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.31	0.97
26 05 19 16-0070	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.43	1.01
26 05 19 16-0071		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0072	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.61	0.54
26 05 19 16-0073	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.68	0.54
26 05 19 16-0074	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.85	0.54
26 05 19 16-0075	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.81	0.73
26 05 19 16-0076	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.27	0.75
26 05 19 16-0077	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.44	0.77
26 05 19 16-0078	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.82	0.79
26 05 19 16-0079	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.08	0.81
26 05 19 16-0080	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.50	0.83
26 05 19 16-0081	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.91	0.85
26 05 19 16-0082	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.37	0.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0083	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.35	0.89
26 05 19 16-0084	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.07	0.93
26 05 19 16-0085	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.24	0.95
26 05 19 16-0086	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.67	1.01
26 05 19 16-0087		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0088	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.78	0.54
26 05 19 16-0089	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.91	0.54
26 05 19 16-0090	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.03	0.54
26 05 19 16-0091	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.14	0.73
26 05 19 16-0092	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.57	0.75
26 05 19 16-0093	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.01	0.77
26 05 19 16-0094	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.79
26 05 19 16-0095	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.83	0.81
26 05 19 16-0096	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.41	0.83
26 05 19 16-0097	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.10	0.85
26 05 19 16-0098	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.73	0.87
26 05 19 16-0099	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.37	0.89
26 05 19 16-0100	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.68	0.91
26 05 19 16-0101	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.77	0.93
26 05 19 16-0102	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.89	0.95
26 05 19 16-0103	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.01	0.97
26 05 19 16-0104	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.37	0.99
26 05 19 16-0105	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.78	1.01
26 05 19 16-0106		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0107	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.02	0.68
26 05 19 16-0108	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.13	0.68
26 05 19 16-0109	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.24	0.68
26 05 19 16-0110	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.79	0.73
26 05 19 16-0111	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.25	0.75
26 05 19 16-0112	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.91	0.77
26 05 19 16-0113	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.22	0.83
26 05 19 16-0114	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.06	0.85
26 05 19 16-0115	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.87	0.89
26 05 19 16-0116	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.64	0.93
26 05 19 16-0117		**#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0118	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.74	0.81
26 05 19 16-0119	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.03	0.95
26 05 19 16-0120	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.27	0.95
26 05 19 16-0121		**#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0122	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.12	0.95
26 05 19 16-0123	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.15	1.08
26 05 19 16-0124	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.37	1.35
26 05 19 16-0125		**#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0126	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.00	1.35
26 05 19 16-0127	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.73	1.49
26 05 19 16-0128	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.43	1.62
26 05 19 16-0129		**#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0036)*		
26 05 19 16-0130	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.60	2.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0131	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	15.98	3.39
26 05 19 16-0132	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	19.71	4.47
26 05 19 16-0133		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0134		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0135	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.54	0.54
26 05 19 16-0136	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.64	0.54
26 05 19 16-0137	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.84	0.54
26 05 19 16-0138		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0139	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.60	0.54
26 05 19 16-0140	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.77	0.54
26 05 19 16-0141	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.85	0.54
26 05 19 16-0142		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0143	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.02	0.54
26 05 19 16-0144	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.71	0.54
26 05 19 16-0145	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.37	0.68
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0147		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0148	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.97	0.54
26 05 19 16-0149	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.26	0.54
26 05 19 16-0150	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.56	0.54
26 05 19 16-0151		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0152	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.07	0.54
26 05 19 16-0153	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.37	0.54
26 05 19 16-0154	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.83	0.54
26 05 19 16-0155	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.07	0.68
26 05 19 16-0156		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0157	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.44	0.54
26 05 19 16-0158	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.82	0.54
26 05 19 16-0159	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.13	0.68
26 05 19 16-0160		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0161	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.79	0.54
26 05 19 16-0162	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.13	0.54
26 05 19 16-0163	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.48	0.68
26 05 19 16-0164		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0165	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.17	0.68
26 05 19 16-0166	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.47	0.68
26 05 19 16-0167	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.80	0.68
26 05 19 16-0168		Multi-Conductor Type SEOW Cord *(26 05 19 16-0013)*		
		Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0168)*		
26 05 19 16-0170		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0171	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.61	0.54
26 05 19 16-0172	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.73	0.54
26 05 19 16-0173	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.41	0.68
26 05 19 16-0174		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0175	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.96	0.54
26 05 19 16-0176	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.18	0.54
26 05 19 16-0177	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.96	0.68
26 05 19 16-0178		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0179	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.32	0.54
26 05 19 16-0180	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.61	0.54
26 05 19 16-0181	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.19	0.68
26 05 19 16-0182		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0183	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.85	0.68
26 05 19 16-0184	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.19	0.68
26 05 19 16-0185	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.41	0.68
26 05 19 16-0186		Multi-Conductor Type W Cord *(26 05 19 16-0013)*		
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0186)*		
26 05 19 16-0188		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0189	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.03	0.81
26 05 19 16-0190	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.30	0.95
26 05 19 16-0191	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.00	0.95
26 05 19 16-0192		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0193	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.35	0.95
26 05 19 16-0194	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.16	1.08
26 05 19 16-0195	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.37	1.35
26 05 19 16-0196		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0197	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.61	0.95
26 05 19 16-0198	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.62	1.08
26 05 19 16-0199	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.41	1.35
26 05 19 16-0200		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0012)*		
26 05 19 16-0201		Cord Grips *(26 05 19 16-0200)*		
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	85.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.63*	
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	86.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.63*	
26 05 19 16-0204		Cable Reels *(26 05 19 16-0200)*		
		Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	710.93	67.74
26 05 19 16-0206	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,947.33	67.74
26 05 19 16-0207	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,458.59	67.74
26 05 19 16-0208		Extension Cords For Cable Reel *(26 05 19 16-0200)*		
26 05 19 16-0209	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	219.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0210	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	312.24	
26 05 19 16-0211		**Plugs And Connector Bodies** *(26 05 19 16-0200)* Note: Up to 277 volt		
26 05 19 16-0212		**NEMA Twist-Lock Plugs** *(26 05 19 16-0211)*		
26 05 19 16-0213	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	88.76	
26 05 19 16-0214	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	90.38	
26 05 19 16-0215	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	83.57	
26 05 19 16-0216	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	88.56	
26 05 19 16-0217	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	111.94	
26 05 19 16-0218	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	118.27	
26 05 19 16-0219	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	124.47	
26 05 19 16-0220	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	112.88	
26 05 19 16-0221	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	128.11	
26 05 19 16-0222	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	131.07	
26 05 19 16-0223	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	134.85	
26 05 19 16-0224		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0211)*		
26 05 19 16-0225	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	93.34	
26 05 19 16-0226	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	99.07	
26 05 19 16-0227	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	87.01	
26 05 19 16-0228	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	112.88	
26 05 19 16-0229	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	129.59	
26 05 19 16-0230	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	137.68	
26 05 19 16-0231	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	164.89	
26 05 19 16-0232	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	158.02	
26 05 19 16-0233	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	192.11	
26 05 19 16-0234	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	201.14	
26 05 19 16-0235	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	191.31	
26 05 19 16-0236		**Watertight Pin And Sleeve Plug** *(26 05 19 16-0211)*		
26 05 19 16-0237	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	299.36	40.64
26 05 19 16-0238	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	302.52	40.64
26 05 19 16-0239	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	327.08	40.64
26 05 19 16-0240	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	327.81	44.71
26 05 19 16-0241	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	323.04	44.71
26 05 19 16-0242	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	324.46	44.71
26 05 19 16-0243	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	456.07	49.99
26 05 19 16-0244	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	444.21	49.99
26 05 19 16-0245	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	495.17	49.99
26 05 19 16-0246	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	486.77	54.87
26 05 19 16-0247	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	466.17	54.87
26 05 19 16-0248	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	480.34	54.87
26 05 19 16-0249	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	619.53	65.03
26 05 19 16-0250	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	630.83	65.03
26 05 19 16-0251	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	604.04	65.03
26 05 19 16-0252	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	687.82	72.34
26 05 19 16-0253	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	670.23	72.34
26 05 19 16-0254	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	677.84	72.34
26 05 19 16-0255	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	849.81	81.29
26 05 19 16-0256	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	893.45	81.29
26 05 19 16-0257	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	871.57	89.42
26 05 19 16-0258	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	856.66	89.42
26 05 19 16-0259	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	864.71	89.42
26 05 19 16-0260		**Watertight Pin And Sleeve Connector** *(26 05 19 16-0211)*		
26 05 19 16-0261	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	317.55	40.64
26 05 19 16-0262	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	319.74	40.64
26 05 19 16-0263	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	376.29	40.64
26 05 19 16-0264	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	373.64	44.71
26 05 19 16-0265	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	367.90	44.71
26 05 19 16-0266	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	373.09	44.71
26 05 19 16-0267	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	466.94	49.99
26 05 19 16-0268	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	466.82	49.99
26 05 19 16-0269	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	486.33	49.99
26 05 19 16-0270	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	481.48	54.87
26 05 19 16-0271	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	485.49	54.87
26 05 19 16-0272	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	481.25	54.87
26 05 19 16-0273	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	731.00	65.03
26 05 19 16-0274	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	707.11	65.03
26 05 19 16-0275	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	692.88	65.03
26 05 19 16-0276	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	754.17	72.34
26 05 19 16-0277	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	774.93	72.34
26 05 19 16-0278	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	776.45	72.34
26 05 19 16-0279	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	972.09	81.29
26 05 19 16-0280	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	999.48	81.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0281	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,080.11	89.42
26 05 19 16-0282	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	1,042.47	89.42
26 05 19 16-0283	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,055.31	89.42
26 05 19 16-0284		**Accessories** *(26 05 19 16-0200)*		
26 05 19 16-0285	EA	1/2" Straight Steel Cord Connector	67.51	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0286	EA	1/2" Straight Nylon Cord Connector	40.53	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 19 16-0287	EA	1/2" 90 Degree Steel Cord Connector	77.31	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0288	EA	1/2" 90 Degree Nylon Cord Connector	48.81	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0289	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	76.31	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0290	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	131.87	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 05 19 16-0291	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	48.04	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0292	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	80.99	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0293	EA	3/4" Straight Steel Cord Connector	70.35	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0294	EA	3/4" Straight Nylon Cord Connector	41.95	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 19 16-0295	EA	3/4" 90 Degree Steel Cord Connector	86.20	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0296	EA	3/4" 90 Degree Nylon Cord Connector	53.26	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0297	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	86.07	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 05 19 16-0298	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	102.37	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 05 19 16-0299	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	57.81	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0300	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	69.82	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 05 19 16-0301	EA	1" Straight Steel Cord Connector	88.61	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0302	EA	1" Straight Nylon Cord Connector	51.08	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 19 16-0303	EA	1" 90 Degree Steel Cord Connector	98.26	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0304	EA	1" 90 Degree Nylon Cord Connector	59.29	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 19 16-0305	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	105.24	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 05 19 16-0306	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	115.02	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 05 19 16-0307	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	67.53	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 19 16-0308	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	78.05	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 05 19 16-0309		**600 Volt Wire** *(26 05 19 16-0011)*		
26 05 19 16-0310		**Single Solid Conductor, Copper** *(26 05 19 16-0309)*		
26 05 19 16-0311	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	759.11	300.46
26 05 19 16-0312	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	953.23	353.44
26 05 19 16-0313	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,184.35	432.18
26 05 19 16-0314	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	983.07	300.46
26 05 19 16-0315	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,191.76	353.44
26 05 19 16-0316	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,435.36	432.18
26 05 19 16-0317		**Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0309)*		
26 05 19 16-0318		**Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable** *(26 05 19 16-0317)*		
26 05 19 16-0319	MLF	#16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	811.70	247.60
26 05 19 16-0320	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	955.86	297.12
26 05 19 16-0321	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,186.04	346.64
26 05 19 16-0322	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,474.28	396.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0323	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,981.20	495.20
26 05 19 16-0324	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,714.37	594.24
26 05 19 16-0325	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,751.86	742.80
26 05 19 16-0326	MLF	#3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,457.83	841.84
26 05 19 16-0327	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,306.75	940.89
26 05 19 16-0328	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,642.75	1,039.92
26 05 19 16-0329	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,999.84	1,188.48
26 05 19 16-0330	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,627.07	1,337.05
26 05 19 16-0331	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,581.47	1,485.60
26 05 19 16-0332	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,952.70	1,634.16
26 05 19 16-0333	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,760.72	1,782.72
26 05 19 16-0334	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,595.11	1,931.28
26 05 19 16-0335	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	18,760.03	2,079.85
26 05 19 16-0336	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	21,034.08	2,228.40
26 05 19 16-0337	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	24,459.64	2,376.96
26 05 19 16-0338	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	28,251.32	2,575.04
26 05 19 16-0339	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	43,473.18	2,872.17
26 05 19 16-0340	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	61,666.26	3,367.36

26 05 19 16-0341 Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable *(26 05 19 16-0317)*

26 05 19 16-0342	MLF	2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,911.73	594.11
26 05 19 16-0343	MLF	3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,372.41	693.40
26 05 19 16-0344	MLF	4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,957.00	841.84
26 05 19 16-0345	MLF	6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,567.71	915.75
26 05 19 16-0346	MLF	7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,905.31	965.52
26 05 19 16-0347	MLF	9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,578.60	1,064.44
26 05 19 16-0348	MLF	10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,986.66	1,109.50
26 05 19 16-0349	MLF	12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,589.95	1,213.24
26 05 19 16-0350	MLF	14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,202.27	1,287.77
26 05 19 16-0351	MLF	24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,199.31	1,634.29
26 05 19 16-0352	MLF	37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,949.74	2,426.48
26 05 19 16-0353	MLF	2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,372.39	693.40
26 05 19 16-0354	MLF	3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,063.07	841.84
26 05 19 16-0355	MLF	4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,753.78	990.40
26 05 19 16-0356	MLF	2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,195.20	890.99
26 05 19 16-0357	MLF	3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,172.89	1,088.45
26 05 19 16-0358	MLF	4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,402.50	1,386.81
26 05 19 16-0359	MLF	6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,361.59	1,783.34
26 05 19 16-0360	MLF	9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,049.94	2,278.04
26 05 19 16-0361	MLF	2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,024.29	1,015.16
26 05 19 16-0362	MLF	3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,200.78	1,188.48
26 05 19 16-0363	MLF	4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,748.69	1,510.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0364	MLF	2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,305.07	1,138.96
26 05 19 16-0365	MLF	3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,214.62	1,411.32
26 05 19 16-0366	MLF	4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,266.68	1,740.63
26 05 19 16-0367	MLF	2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,244.26	1,381.86
26 05 19 16-0368	MLF	3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,636.00	1,580.56
26 05 19 16-0369	MLF	4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,510.28	1,972.38
26 05 19 16-0370	MLF	2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,117.02	1,683.19
26 05 19 16-0371	MLF	3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,569.23	1,882.25
26 05 19 16-0372	MLF	4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	18,008.15	2,476.01
26 05 19 16-0373	MLF	3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	18,070.23	2,376.59
26 05 19 16-0374	MLF	4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	23,596.61	2,969.96
26 05 19 16-0375	MLF	3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,524.66	2,575.54
26 05 19 16-0376	MLF	3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	26,278.23	2,969.96
26 05 19 16-0377	MLF	3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,264.63	3,464.92
26 05 19 16-0378	MLF	4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	42,607.02	4,454.95
26 05 19 16-0379	MLF	3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	39,514.38	3,964.95
26 05 19 16-0380	MLF	3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	42,048.93	4,454.95
26 05 19 16-0381	MLF	3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	53,061.20	4,952.00
26 05 19 16-0382	MLF	3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	69,157.95	5,442.51

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0309)

Note: Direct bury.

26 05 19 16-0384	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,109.92	
26 05 19 16-0385	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,306.67	
26 05 19 16-0386	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,643.09	
26 05 19 16-0387	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,165.28	
26 05 19 16-0388	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,043.66	
26 05 19 16-0389	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,014.53	
26 05 19 16-0390	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,819.53	
26 05 19 16-0391	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,254.28	
26 05 19 16-0392	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,908.05	
26 05 19 16-0393	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,805.36	
26 05 19 16-0394	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,039.66	
26 05 19 16-0395	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,735.20	
26 05 19 16-0396	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,955.52	
26 05 19 16-0397	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,124.44	
26 05 19 16-0398	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,390.73	
26 05 19 16-0399	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,044.29	
26 05 19 16-0400	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	28,506.74	
26 05 19 16-0401	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	33,688.01	
26 05 19 16-0402	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	53,685.19	
26 05 19 16-0403	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	947.23	
26 05 19 16-0404	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,140.23	
26 05 19 16-0405	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,374.28	
26 05 19 16-0406	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,681.26	
26 05 19 16-0407	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,182.85	
26 05 19 16-0408	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,925.45	
26 05 19 16-0409	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,004.34	
26 05 19 16-0410	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,772.99	
26 05 19 16-0411	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,397.38	
26 05 19 16-0412	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,084.36	
26 05 19 16-0413	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,103.08	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0414		MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,349.57	
26 05 19 16-0415		MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,504.77	
26 05 19 16-0416		MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,727.16	
26 05 19 16-0417		MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,060.03	
26 05 19 16-0418		MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,440.95	
26 05 19 16-0419		MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,759.35	
26 05 19 16-0420		MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	26,883.69	
26 05 19 16-0421		MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	792.31	
26 05 19 16-0422		MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	990.76	
26 05 19 16-0423		MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,239.09	
26 05 19 16-0424		MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,762.60	
26 05 19 16-0425		MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,433.85	
26 05 19 16-0426		MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,261.62	
26 05 19 16-0427		MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,704.73	
26 05 19 16-0428		MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,640.42	
26 05 19 16-0429		MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,564.79	
26 05 19 16-0430		MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,478.83	
26 05 19 16-0431		MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,945.00	
26 05 19 16-0432		MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,716.08	
26 05 19 16-0433		MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,639.28	
26 05 19 16-0434		MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,646.73	
26 05 19 16-0435		MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,811.00	
26 05 19 16-0436		MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,896.17	
26 05 19 16-0437		MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,573.58	
26 05 19 16-0438		MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	27,250.19	
26 05 19 16-0439		MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	43,741.40	
26 05 19 16-0440		MLF	#2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,660.95	
26 05 19 16-0441		MLF	1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,129.76	
26 05 19 16-0442		MLF	2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,343.03	
26 05 19 16-0443		MLF	3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,046.39	
26 05 19 16-0444		MLF	4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,624.63	
26 05 19 16-0445		MLF	250 MCM,Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,820.70	
26 05 19 16-0446		MLF	350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,502.99	
26 05 19 16-0447		MLF	400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	26,664.40	
26 05 19 16-0448		MLF	500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	30,543.35	

26 05 19 16-0449 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0309)*

26 05 19 16-0450 ACTHH, Solid *(26 05 19 16-0449)*

26 05 19 16-0451		MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,929.25	812.86
26 05 19 16-0452		MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,379.62	921.25
26 05 19 16-0453		MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,873.06	975.44
26 05 19 16-0454		MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,210.70	1,354.78
26 05 19 16-0455		MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,506.52	1,517.08
26 05 19 16-0456		MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,723.47	1,680.88
26 05 19 16-0457		MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,507.26	1,843.18
26 05 19 16-0458		MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,100.66	1,517.08
26 05 19 16-0459		MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,336.75	1,680.88
26 05 19 16-0460		MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,843.11	1,897.50
26 05 19 16-0461		MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,919.59	2,058.99
26 05 19 16-0462		MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	6,091.71	1,680.88
26 05 19 16-0463		MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,671.05	1,897.50
26 05 19 16-0464		MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,511.14	2,113.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0465	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	11,075.34	2,276.97
26 05 19 16-0466		**ACTHH, Stranded** *(26 05 19 16-0449)*		
26 05 19 16-0467	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,779.49	1,952.10
26 05 19 16-0468	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,501.30	2,220.89
26 05 19 16-0469	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	9,191.37	2,167.64
26 05 19 16-0470	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,553.80	2,436.70
26 05 19 16-0471	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,656.80	2,709.56
26 05 19 16-0472	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,864.11	2,977.53
26 05 19 16-0473	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	19,340.23	3,248.89
26 05 19 16-0474	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,883.84	2,600.35
26 05 19 16-0475	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	14,415.03	2,870.23
26 05 19 16-0476	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	18,597.98	3,143.35
26 05 19 16-0477	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	20,384.98	3,412.54
26 05 19 16-0478	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	24,222.76	3,681.47
26 05 19 16-0479		**HCFC, Solid** *(26 05 19 16-0449)*		
26 05 19 16-0480	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,728.12	1,354.78
26 05 19 16-0481	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,173.09	1,522.23
26 05 19 16-0482	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,785.04	1,672.61
26 05 19 16-0483	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,743.29	1,522.23
26 05 19 16-0484	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,158.15	1,672.61
26 05 19 16-0485	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,081.37	1,908.20
26 05 19 16-0486	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	7,076.00	1,672.61
26 05 19 16-0487	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,723.43	1,908.20
26 05 19 16-0488	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,606.29	2,116.84
26 05 19 16-0489		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0449)*		
26 05 19 16-0490	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,633.72	1,354.78
26 05 19 16-0491	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,161.56	1,522.23
26 05 19 16-0492	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,448.87	1,672.61
26 05 19 16-0493	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,793.72	1,787.36
26 05 19 16-0494	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,462.89	1,894.79
26 05 19 16-0495	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,418.04	1,522.23
26 05 19 16-0496	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,182.89	1,672.61
26 05 19 16-0497	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,194.80	1,908.20
26 05 19 16-0498	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,304.71	2,058.99
26 05 19 16-0499	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,511.74	2,220.89
26 05 19 16-0500	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,286.93	2,385.22
26 05 19 16-0501	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	25,087.46	2,546.57
26 05 19 16-0502	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,425.60	1,672.61
26 05 19 16-0503	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,373.60	1,908.20
26 05 19 16-0504	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,341.55	2,116.84
26 05 19 16-0505	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,584.76	2,331.84
26 05 19 16-0506	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	22,048.88	2,494.96
26 05 19 16-0507	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	30,094.58	2,656.45
26 05 19 16-0508	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	39,846.95	2,816.59
26 05 19 16-0509		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0449)*		
26 05 19 16-0510	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,578.53	1,354.78
26 05 19 16-0511	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,018.46	1,522.23
26 05 19 16-0512	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,322.29	1,672.61
26 05 19 16-0513	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,648.54	1,522.23
26 05 19 16-0514	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,055.74	1,672.61
26 05 19 16-0515	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	8,094.25	1,908.20
26 05 19 16-0516	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,521.42	1,672.61
26 05 19 16-0517	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	8,167.82	1,908.20
26 05 19 16-0518	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	12,341.55	2,116.84
26 05 19 16-0519		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0449)*		
		Note: Color coded red.		
26 05 19 16-0520	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,370.44	1,029.63
26 05 19 16-0521	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,958.87	1,192.21
26 05 19 16-0522	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,169.79	1,354.78
26 05 19 16-0523	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	7,083.46	1,517.35
26 05 19 16-0524	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,970.72	1,192.21
26 05 19 16-0525	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,885.48	1,354.78
26 05 19 16-0526	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,424.85	1,517.35
26 05 19 16-0527	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,454.85	1,679.92
26 05 19 16-0528		**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0449)*		
		Note: Color coded red.		
26 05 19 16-0529	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,516.08	1,354.78
26 05 19 16-0530	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,879.91	1,517.35

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0531		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	9,216.25	1,679.92
26 05 19 16-0532		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,705.02	1,842.50
26 05 19 16-0533		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,994.07	1,517.35
26 05 19 16-0534		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,590.54	1,679.92

26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable *(26 05 19 16-0449)*

Note: Color coded red.

26 05 19 16-0536		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,758.14	1,029.63
26 05 19 16-0537		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,648.86	1,517.35
26 05 19 16-0538		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,865.66	1,192.21
26 05 19 16-0539		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,938.74	1,354.78
26 05 19 16-0540		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,686.88	1,679.92
26 05 19 16-0541		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,868.51	1,408.97
26 05 19 16-0542		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,506.76	1,625.73

26 05 19 16-0543 Armored Cable Connectors *(26 05 19 16-0449)*

26 05 19 16-0544		EA	3/4" Armored Cable Connector	8.23	2.97
			For Work In Restricted Working Space, Add	*2.23*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
			For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
			For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
			For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
			For Elevated Installation >40' Above Floor, Add	*4.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 19 16-0545		EA	1" Armored Cable Connector	10.98	3.96
			For Work In Restricted Working Space, Add	*2.97*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
			For Elevated Installation >40' Above Floor, Add	*5.45*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 19 16-0546		EA	1-1/4" Armored Cable Connector	13.81	4.96
			For Work In Restricted Working Space, Add	*3.71*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
			For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
			For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
			For Elevated Installation >40' Above Floor, Add	*6.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	

26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper *(26 05 19 16-0309)*

26 05 19 16-0548		MLF	#12 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,042.99	300.58
26 05 19 16-0549		MLF	#10 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,317.59	353.44
26 05 19 16-0550		MLF	#8 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,899.20	480.72
26 05 19 16-0551		MLF	#6 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,659.68	575.42
26 05 19 16-0552		MLF	#4 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,609.63	670.88
26 05 19 16-0553		MLF	#2 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,252.42	864.24
26 05 19 16-0554		MLF	#1 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,333.07	961.56
26 05 19 16-0555		MLF	1/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,373.89	1,083.37
26 05 19 16-0556		MLF	2/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,428.36	1,201.86
26 05 19 16-0557		MLF	3/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,151.19	1,349.55
26 05 19 16-0558		MLF	4/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,217.11	1,488.82
26 05 19 16-0559		MLF	250 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,467.19	1,636.64
26 05 19 16-0560		MLF	300 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,819.27	1,788.92
26 05 19 16-0561		MLF	350 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,361.21	1,922.98
26 05 19 16-0562		MLF	400 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,807.39	2,136.67
26 05 19 16-0563		MLF	500 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,181.26	2,354.67
26 05 19 16-0564		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,088.30	198.46
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*51.83*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*120.93*	
26 05 19 16-0565		MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,218.80	219.75
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*52.83*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*123.27*	
26 05 19 16-0566		MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,504.60	274.72
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*77.13*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*179.97*	
26 05 19 16-0567		MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,083.35	437.02
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*126.80*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*295.87*	
26 05 19 16-0568		MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,906.11	524.42
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*213.08*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*497.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0569	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,006.06	608.84
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*322.36*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*752.17*	
26 05 19 16-0570	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,574.40	696.87
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*370.47*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*864.43*	
26 05 19 16-0571	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,842.57	784.89
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*523.55*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,221.63*	
26 05 19 16-0572	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,315.85	874.15
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*707.41*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,650.62*	
26 05 19 16-0573	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,861.22	986.19
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*883.50*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,061.51*	
26 05 19 16-0574	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,746.49	1,093.65
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,110.58*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,591.36*	
26 05 19 16-0575	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,966.08	1,220.92
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,387.81*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,238.22*	
26 05 19 16-0576	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,651.23	1,357.47
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,584.87*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,698.04*	
26 05 19 16-0577	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,576.11	1,488.82
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,667.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,891.76*	
26 05 19 16-0578	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,486.45	1,636.64
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,048.74*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,780.39*	
26 05 19 16-0579	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,668.17	1,735.06
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,320.28*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,414.00*	
26 05 19 16-0580	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	23,219.85	1,939.21
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,647.33*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,177.10*	
26 05 19 16-0581	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,637.39	2,156.72
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,104.25*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*7,243.24*	
26 05 19 16-0582	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	31,316.92	2,243.88
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,731.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*8,707.76*	
26 05 19 16-0583	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	51,609.66	2,330.91
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*6,664.39*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,550.24*	
26 05 19 16-0584	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	65,320.96	2,490.61
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*8,646.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*20,175.88*	
26 05 19 16-0585	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,891.38	445.44
26 05 19 16-0586	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,392.43	495.20
26 05 19 16-0587	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,014.70	594.74
26 05 19 16-0588	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,579.05	693.03
26 05 19 16-0589	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,459.52	742.06
26 05 19 16-0590	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	614.87	247.60
26 05 19 16-0591	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	766.29	272.36
26 05 19 16-0592	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	784.06	198.58
26 05 19 16-0593	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	978.96	236.71
26 05 19 16-0594	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,221.39	297.73
26 05 19 16-0595	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,731.72	392.45
26 05 19 16-0596	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,382.80	473.90
26 05 19 16-0597	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,182.95	560.07
26 05 19 16-0598	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,815.83	633.98
26 05 19 16-0599	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,580.91	709.99
26 05 19 16-0600	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,483.84	801.23
26 05 19 16-0601	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,381.88	877.37
26 05 19 16-0602	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,264.18	969.60
26 05 19 16-0603	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,672.32	1,025.56
26 05 19 16-0604	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,376.76	1,153.82
26 05 19 16-0605	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,226.06	1,227.48
26 05 19 16-0606	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,155.60	1,390.15
26 05 19 16-0607	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,234.50	1,538.46
26 05 19 16-0608	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,238.08	1,580.56
26 05 19 16-0609	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,758.04	1,672.17
26 05 19 16-0610	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	27,126.39	1,967.81
26 05 19 16-0611	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,976.80	2,330.91
26 05 19 16-0612	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	50,350.09	2,814.23
26 05 19 16-0613	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,085.64	594.74
26 05 19 16-0614	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,428.99	693.03
26 05 19 16-0615	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,973.53	792.94
26 05 19 16-0616	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,165.64	890.99
26 05 19 16-0617	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,853.87	990.40
26 05 19 16-0618	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,468.16	1,088.45

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0619		600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0309)*		
26 05 19 16-0620	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,421.96	372.67
26 05 19 16-0621	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,687.70	433.33
26 05 19 16-0622	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,210.92	556.25
26 05 19 16-0623	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,754.22	621.16
26 05 19 16-0624	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,191.34	699.82
26 05 19 16-0625	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,634.79	772.40
26 05 19 16-0626	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,295.83	871.70
26 05 19 16-0627	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,756.22	961.71
26 05 19 16-0628	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,514.37	1,057.24
26 05 19 16-0629	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,840.27	1,149.73
26 05 19 16-0630	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,137.07	1,242.19
26 05 19 16-0631	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,167.64	1,381.66
26 05 19 16-0632	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,001.70	1,521.07
26 05 19 16-0633	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,016.86	1,771.88
26 05 19 16-0634	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,460.55	1,942.47
26 05 19 16-0635	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,717.99	2,014.48
26 05 19 16-0636	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	17,546.04	2,443.69
26 05 19 16-0637	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,680.66	439.62
26 05 19 16-0638	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,889.71	495.20
26 05 19 16-0639	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,326.31	609.22
26 05 19 16-0640	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,957.44	746.76
26 05 19 16-0641	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,794.70	879.11
26 05 19 16-0642	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,393.41	990.78
26 05 19 16-0643	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,015.88	1,100.46
26 05 19 16-0644	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,814.84	1,200.61
26 05 19 16-0645	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,320.56	1,277.74
26 05 19 16-0646	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,234.29	1,367.13
26 05 19 16-0647	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,934.48	1,465.17
26 05 19 16-0648	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,315.52	1,582.78
26 05 19 16-0649	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,580.19	1,726.02
26 05 19 16-0650	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,862.48	1,980.80
26 05 19 16-0651	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,967.29	2,084.54
26 05 19 16-0652	MLF	700 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,601.97	2,197.70
26 05 19 16-0653	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	16,050.01	2,335.61
26 05 19 16-0654	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	23,384.84	3,273.27
26 05 19 16-0655	MLF	#6 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,636.59	495.20
26 05 19 16-0656	MLF	#4 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,035.06	609.10
26 05 19 16-0657	MLF	#2 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,529.96	747.75
26 05 19 16-0658	MLF	#1 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,130.48	874.15
26 05 19 16-0659	MLF	1/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,535.92	986.19
26 05 19 16-0660	MLF	2/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,986.88	1,093.65
26 05 19 16-0661	MLF	3/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,573.19	1,200.61
26 05 19 16-0662	MLF	4/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,970.97	1,277.74
26 05 19 16-0663	MLF	250 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,579.45	1,366.26
26 05 19 16-0664	MLF	300 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,628.51	1,467.03
26 05 19 16-0665	MLF	350 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,037.11	1,584.89
26 05 19 16-0666	MLF	400 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,767.32	1,722.06
26 05 19 16-0667	MLF	500 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,937.89	1,980.80
26 05 19 16-0668	MLF	600 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,094.32	2,078.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0669	MLF	700 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,120.16	2,197.70
26 05 19 16-0670	MLF	750 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,583.93	2,328.55
26 05 19 16-0671		**600 Volt, Single Stranded Copper, Low Smoke Zero Halogen** *(26 05 19 16-0309)*		
26 05 19 16-0672	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	827.86	198.58
26 05 19 16-0673	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,065.81	236.71
26 05 19 16-0674	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,456.68	297.73
26 05 19 16-0675	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,220.89	392.45
26 05 19 16-0676	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,234.40	473.90
26 05 19 16-0677	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,241.18	560.07
26 05 19 16-0678	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,121.42	633.98
26 05 19 16-0679	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,245.88	709.99
26 05 19 16-0680	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	7,171.01	801.23
26 05 19 16-0681	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	8,230.48	877.37
26 05 19 16-0682	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,508.31	969.60
26 05 19 16-0683	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	11,563.46	1,025.56
26 05 19 16-0684	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	14,083.77	1,153.82
26 05 19 16-0685	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	16,059.69	1,227.48
26 05 19 16-0686	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	18,915.64	1,390.15
26 05 19 16-0687	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	21,970.40	1,538.46
26 05 19 16-0688	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	24,090.80	1,580.56
26 05 19 16-0689	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	29,137.42	1,672.17
26 05 19 16-0690	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	34,842.49	1,967.81
26 05 19 16-0691	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	45,473.86	2,330.91
26 05 19 16-0692	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	59,271.88	2,814.23
26 05 19 16-0693		**Non-Metallic Sheathed Cable** *(26 05 19 16-0309)*		
26 05 19 16-0694		**Indoor Installation** *(26 05 19 16-0693)*		
		Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0695	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,824.71	940.76
		For Installation In Wood Stud Wall (Includes Drilling), Add	*352.78*	
26 05 19 16-0696	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,866.79	1,138.96
		For Installation In Wood Stud Wall (Includes Drilling), Add	*427.13*	
26 05 19 16-0697	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,860.02	1,260.28
		For Installation In Wood Stud Wall (Includes Drilling), Add	*472.61*	
26 05 19 16-0698	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,080.34	1,069.63
		For Installation In Wood Stud Wall (Includes Drilling), Add	*380.69*	
26 05 19 16-0699	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,775.28	1,188.23
		For Installation In Wood Stud Wall (Includes Drilling), Add	*445.60*	
26 05 19 16-0700	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,748.48	1,327.14
		For Installation In Wood Stud Wall (Includes Drilling), Add	*497.68*	
26 05 19 16-0701	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,480.01	1,188.85
		For Installation In Wood Stud Wall (Includes Drilling), Add	*445.83*	
26 05 19 16-0702	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,120.90	1,386.81
		For Installation In Wood Stud Wall (Includes Drilling), Add	*520.05*	
26 05 19 16-0703	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,375.12	1,584.64
		For Installation In Wood Stud Wall (Includes Drilling), Add	*594.24*	
26 05 19 16-0704	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,699.39	1,423.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*506.96*	
26 05 19 16-0705	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,655.13	1,720.82
		For Installation In Wood Stud Wall (Includes Drilling), Add	*612.81*	
26 05 19 16-0706	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	18,361.81	1,621.79
		For Installation In Wood Stud Wall (Includes Drilling), Add	*575.67*	
26 05 19 16-0707	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	24,847.37	1,956.05
		For Installation In Wood Stud Wall (Includes Drilling), Add	*696.37*	
26 05 19 16-0708	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	61,302.14	2,154.12
		For Installation In Wood Stud Wall (Includes Drilling), Add	*766.01*	
26 05 19 16-0709	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	71,782.31	2,339.82
		For Installation In Wood Stud Wall (Includes Drilling), Add	*835.65*	
26 05 19 16-0710		**Direct Burial Cable** *(26 05 19 16-0693)*		
		Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0711	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,820.02	
26 05 19 16-0712	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,684.59	
26 05 19 16-0713	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,582.48	
26 05 19 16-0714	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,617.63	
26 05 19 16-0715	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,908.17	
26 05 19 16-0716	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,635.49	
26 05 19 16-0717	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,113.38	
26 05 19 16-0718	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,834.75	
26 05 19 16-0719	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,723.81	

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26 05 19 16-0720		MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	10,192.45	
26 05 19 16-0721			**SEU Cable Copper, 3 Conductor** *(26 05 19 16-0693)*		
26 05 19 16-0722		MLF	12-12-12 Cable SEU Copper	3,699.44	1,192.61
26 05 19 16-0723		MLF	10-10-10 Cable SEU Copper	4,670.46	1,354.78
26 05 19 16-0724		MLF	8-8-8 Cable SEU Copper	5,844.35	1,517.08
26 05 19 16-0725		MLF	6-6-8 Cable SEU Copper	7,098.61	1,626.40
26 05 19 16-0726		MLF	6-6-6 Cable SEU Copper	7,649.75	1,680.88
26 05 19 16-0727		MLF	4-4-6 Cable SEU Copper	9,366.37	1,843.18
26 05 19 16-0728		MLF	4-4-4 Cable SEU Copper	10,110.19	1,897.50
26 05 19 16-0729		MLF	3-3-5 Cable SEU Copper	11,802.14	2,058.99
26 05 19 16-0730		MLF	3-3-3 Cable SEU Copper	12,539.84	2,167.64
26 05 19 16-0731		MLF	2-2-4 Cable SEU Copper	13,403.86	2,276.97
26 05 19 16-0732		MLF	2-2-2 Cable SEU Copper	14,340.74	2,385.22
26 05 19 16-0733		MLF	1-1-1 Cable SEU Copper	17,597.39	2,709.56
26 05 19 16-0734		MLF	1/0-1/0-1/0 Cable SEU Copper	20,981.32	3,037.68
26 05 19 16-0735		MLF	2/0-2/0-2/0 Cable SEU Copper	25,315.28	3,421.22
26 05 19 16-0736		MLF	3/0-3/0-3/0 Cable SEU Copper	30,522.72	3,805.57
26 05 19 16-0737		MLF	4/0-4/0-4/0 Cable SEU Copper	34,112.07	4,246.96
26 05 19 16-0738			**SEU Cable Aluminum, 3 Conductor** *(26 05 19 16-0693)*		
26 05 19 16-0739		MLF	8-8-8 Cable SEU Aluminum	4,830.25	1,522.23
26 05 19 16-0740		MLF	6-6-6 Cable SEU Aluminum	5,498.85	1,672.61
26 05 19 16-0741		MLF	4-4-6 Cable SEU Aluminum	6,169.81	1,830.84
26 05 19 16-0742		MLF	4-4-4 Cable SEU Aluminum	6,459.44	1,908.20
26 05 19 16-0743		MLF	2-2-4 Cable SEU Aluminum	7,725.58	2,258.01
26 05 19 16-0744		MLF	2-2-2 Cable SEU Aluminum	8,198.57	2,376.82
26 05 19 16-0745		MLF	1-1-1 Cable SEU Aluminum	9,831.85	2,709.56
26 05 19 16-0746		MLF	1/0-1/0-2 Cable SEU Aluminum	10,405.74	2,852.21
26 05 19 16-0747		MLF	1/0-1/0-1/0 Cable SEU Aluminum	12,596.78	3,010.58
26 05 19 16-0748		MLF	2/0-2/0-1 Cable SEU Aluminum	11,749.31	3,225.72
26 05 19 16-0749		MLF	2/0-2/0-2/0 Cable SEU Aluminum	12,409.70	3,386.95
26 05 19 16-0750		MLF	3/0-3/0-1/0 Cable SEU Aluminum	13,502.75	3,546.53
26 05 19 16-0751		MLF	3/0-3/0-3/0 Cable SEU Aluminum	14,442.29	3,763.30
26 05 19 16-0752		MLF	4/0-4/0-2/0 Cable SEU Aluminum	15,258.22	4,068.40
26 05 19 16-0753		MLF	4/0-4/0-4/0 Cable SEU Aluminum	16,107.80	4,233.68
26 05 19 16-0754			**SER Cable Copper, 4 Conductor** *(26 05 19 16-0693)*		
26 05 19 16-0755		MLF	6-6-6-6 Cable SER Copper	11,835.67	1,952.10
26 05 19 16-0756		MLF	4-4-4-6 Cable SER Copper	12,981.88	2,113.59
26 05 19 16-0757		MLF	3-3-3-5 Cable SER Copper	16,116.95	2,385.22
26 05 19 16-0758		MLF	2-2-2-4 Cable SER Copper	18,467.33	2,600.35
26 05 19 16-0759		MLF	1-1-1-3 Cable SER Copper	21,531.03	2,977.53
26 05 19 16-0760		MLF	1/0-1/0-1/0-2 Cable SER Copper	26,250.60	3,412.54
26 05 19 16-0761		MLF	2/0-2/0-2/0-1 Cable SER Copper	32,963.96	3,681.47
26 05 19 16-0762		MLF	3/0-3/0-3/0-1/0 Cable SER Copper	38,091.91	4,117.85
26 05 19 16-0763			**SER Cable Aluminum, 4 Conductor** *(26 05 19 16-0693)*		
26 05 19 16-0764		MLF	8-8-8-8 Cable SER Aluminum	5,889.80	1,822.03
26 05 19 16-0765		MLF	6-6-6-6 Cable SER Aluminum	6,409.93	1,952.10
26 05 19 16-0766		MLF	4-4-4-6 Cable SER Aluminum	7,151.51	2,113.59
26 05 19 16-0767		MLF	2-2-2-4 Cable SER Aluminum	8,988.23	2,600.35
26 05 19 16-0768		MLF	1-1-1-3 Cable SER Aluminum	10,770.82	2,977.53
26 05 19 16-0769		MLF	1/0-1/0-1/0-2 Cable SER Aluminum	12,184.10	3,412.54
26 05 19 16-0770		MLF	2/0-2/0-2/0-1 Cable SER Aluminum	13,587.52	3,681.47
26 05 19 16-0771		MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	15,445.01	4,117.85
26 05 19 16-0772		MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	17,510.39	4,588.49
26 05 19 16-0773			**Control Tray Cable, Low Voltage** *(26 05 19 16-0011)* Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0774		MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,400.66	600.56
			For Work In Restricted Working Space, Add	*300.28*	
26 05 19 16-0775		MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,633.60	671.79
			For Work In Restricted Working Space, Add	*335.90*	
26 05 19 16-0776		MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,738.29	671.74
			For Work In Restricted Working Space, Add	*335.90*	
26 05 19 16-0777		MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	2,175.19	842.56
			For Work In Restricted Working Space, Add	*421.28*	
26 05 19 16-0778		MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,767.68	1,026.74
			For Work In Restricted Working Space, Add	*513.37*	
26 05 19 16-0779		MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	3,195.19	1,129.06
			For Work In Restricted Working Space, Add	*564.53*	
26 05 19 16-0780		MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	3,851.33	1,282.89
			For Work In Restricted Working Space, Add	*641.45*	
26 05 19 16-0781		MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	4,916.69	1,568.05
			For Work In Restricted Working Space, Add	*784.03*	

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26 05 19 16-0782	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	5,687.36	1,710.67
		For Work In Restricted Working Space, Add	*855.34*	
26 05 19 16-0783	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	6,956.68	1,764.15
		For Work In Restricted Working Space, Add	*882.08*	
26 05 19 16-0784	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	8,498.57	2,203.89
		For Work In Restricted Working Space, Add	*1,101.95*	
26 05 19 16-0785	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	10,250.79	2,575.67
		For Work In Restricted Working Space, Add	*1,287.83*	
26 05 19 16-0786	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,553.21	632.62
		For Work In Restricted Working Space, Add	*316.06*	
26 05 19 16-0787	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,821.02	707.15
		For Work In Restricted Working Space, Add	*353.57*	
26 05 19 16-0788	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	2,130.15	814.11
		For Work In Restricted Working Space, Add	*407.06*	
26 05 19 16-0789	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	2,441.84	886.90
		For Work In Restricted Working Space, Add	*443.45*	
26 05 19 16-0790	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	3,121.86	1,080.77
		For Work In Restricted Working Space, Add	*540.39*	
26 05 19 16-0791	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	3,622.59	1,188.48
		For Work In Restricted Working Space, Add	*594.24*	
26 05 19 16-0792	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	4,392.15	1,350.41
		For Work In Restricted Working Space, Add	*675.21*	
26 05 19 16-0793	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	5,629.91	1,650.50
		For Work In Restricted Working Space, Add	*825.25*	
26 05 19 16-0794	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	6,546.23	1,800.55
		For Work In Restricted Working Space, Add	*900.28*	
26 05 19 16-0795	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	8,115.54	1,857.00
		For Work In Restricted Working Space, Add	*928.50*	
26 05 19 16-0796	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	9,898.05	2,319.76
		For Work In Restricted Working Space, Add	*1,159.88*	
26 05 19 16-0797	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	11,966.23	2,711.22
		For Work In Restricted Working Space, Add	*1,355.61*	
26 05 19 16-0798	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,707.33	660.35
		For Work In Restricted Working Space, Add	*330.17*	
26 05 19 16-0799	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	2,082.69	742.80
		For Work In Restricted Working Space, Add	*371.40*	
26 05 19 16-0800	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	2,461.97	849.02
		For Work In Restricted Working Space, Add	*424.51*	
26 05 19 16-0801	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,808.86	914.39
		For Work In Restricted Working Space, Add	*457.19*	
26 05 19 16-0802	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	3,831.15	1,120.89
		For Work In Restricted Working Space, Add	*560.45*	
26 05 19 16-0803	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	4,466.94	1,238.00
		For Work In Restricted Working Space, Add	*619.13*	
26 05 19 16-0804	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	5,610.06	1,381.61
		For Work In Restricted Working Space, Add	*690.81*	
26 05 19 16-0805	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	6,700.64	1,650.25
		For Work In Restricted Working Space, Add	*825.25*	
26 05 19 16-0806	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	12,141.82	1,917.66
		For Work In Restricted Working Space, Add	*958.58*	
26 05 19 16-0807	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	10,257.09	2,242.02
		For Work In Restricted Working Space, Add	*1,121.26*	
26 05 19 16-0808	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	12,017.09	2,505.47
		For Work In Restricted Working Space, Add	*1,252.73*	
26 05 19 16-0809	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	14,561.98	2,928.12
		For Work In Restricted Working Space, Add	*1,464.06*	
26 05 19 16-0810	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	2,047.06	707.15
		For Work In Restricted Working Space, Add	*353.57*	
26 05 19 16-0811	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	2,505.21	782.42
		For Work In Restricted Working Space, Add	*391.08*	
26 05 19 16-0812	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	3,094.65	900.28
		For Work In Restricted Working Space, Add	*450.14*	
26 05 19 16-0813	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	3,560.02	958.22
		For Work In Restricted Working Space, Add	*479.11*	
26 05 19 16-0814	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	4,806.92	1,142.42
		For Work In Restricted Working Space, Add	*571.22*	
26 05 19 16-0815	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	5,986.35	1,350.41
		For Work In Restricted Working Space, Add	*675.21*	
26 05 19 16-0816	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	7,393.12	1,523.48
		For Work In Restricted Working Space, Add	*761.74*	
26 05 19 16-0817	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	8,861.52	1,747.81
		For Work In Restricted Working Space, Add	*873.91*	
26 05 19 16-0818	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	10,558.92	1,981.05
		For Work In Restricted Working Space, Add	*990.53*	
26 05 19 16-0819	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	13,733.36	2,315.31
		For Work In Restricted Working Space, Add	*1,157.66*	
26 05 19 16-0820	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	15,879.94	2,706.02
		For Work In Restricted Working Space, Add	*1,353.01*	
26 05 19 16-0821	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	19,309.99	3,162.85
		For Work In Restricted Working Space, Add	*1,581.42*	
26 05 19 16-0822	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	2,534.77	742.80
		For Work In Restricted Working Space, Add	*371.40*	
26 05 19 16-0823	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	3,272.27	814.61
		For Work In Restricted Working Space, Add	*407.06*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0824		MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	4,045.87	928.50
			For Work In Restricted Working Space, Add	*464.25*	
26 05 19 16-0825		MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	4,771.95	1,007.24
			For Work In Restricted Working Space, Add	*503.62*	
26 05 19 16-0826		MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	6,556.56	1,264.25
			For Work In Restricted Working Space, Add	*632.12*	
26 05 19 16-0827		MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	7,854.81	1,415.03
			For Work In Restricted Working Space, Add	*707.52*	
26 05 19 16-0828		MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	9,151.43	1,650.50
			For Work In Restricted Working Space, Add	*825.25*	
26 05 19 16-0829		MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	10,878.81	1,887.46
			For Work In Restricted Working Space, Add	*943.73*	
26 05 19 16-0830		MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	12,999.76	2,139.27
			For Work In Restricted Working Space, Add	*1,069.63*	
26 05 19 16-0831		MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	17,003.97	2,500.27
			For Work In Restricted Working Space, Add	*1,250.13*	
26 05 19 16-0832		MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	19,651.17	2,922.18
			For Work In Restricted Working Space, Add	*1,461.09*	
26 05 19 16-0833		MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	23,943.72	3,416.14
			For Work In Restricted Working Space, Add	*1,708.07*	

26 05 19 16-0834 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0835 ACSR Cable *(26 05 19 16-0834)*

26 05 19 16-0836		MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,019.36	618.21
26 05 19 16-0837		MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,160.06	641.92
26 05 19 16-0838		MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,360.16	666.63
26 05 19 16-0839		MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,501.24	690.77
26 05 19 16-0840		MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,841.00	714.20
26 05 19 16-0841		MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,332.46	809.61
26 05 19 16-0842		MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,887.53	902.89
26 05 19 16-0843		MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,511.77	997.45
26 05 19 16-0844		MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,172.88	1,281.84
26 05 19 16-0845		MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,871.86	1,470.39

26 05 19 16-0846 All Aluminum Conductors *(26 05 19 16-0834)*

26 05 19 16-0847		MLF	795.0 ACSR Conductor Aluminum	39,832.22	12,108.94

26 05 19 16-0848 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0849 Bare Stranded Conductor *(26 05 19 16-0848)*

26 05 19 16-0850		MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,605.16	523.79
26 05 19 16-0851		MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,899.24	570.93
26 05 19 16-0852		MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,194.84	618.64
26 05 19 16-0853		MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,728.47	666.63
26 05 19 16-0854		MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,358.98	714.76
26 05 19 16-0855		MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,882.91	857.32
26 05 19 16-0856		MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,625.49	952.31
26 05 19 16-0857		MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,437.40	1,045.58
26 05 19 16-0858		MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,703.54	1,240.13
26 05 19 16-0859		MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,595.93	1,425.82
26 05 19 16-0860		MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,335.84	1,615.94
26 05 19 16-0861		MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	14,410.02	1,904.47
26 05 19 16-0862		MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	14,715.97	2,004.75
26 05 19 16-0863		MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	18,547.83	2,099.45
26 05 19 16-0864		MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	20,555.44	2,185.58
26 05 19 16-0865		MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	24,080.07	2,278.86

26 05 19 16-0866 Insulated Stranded Conductor *(26 05 19 16-0848)*

26 05 19 16-0867		MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,753.90	523.79
26 05 19 16-0868		MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,091.15	570.93
26 05 19 16-0869		MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,573.70	618.64
26 05 19 16-0870		MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,800.18	666.63
26 05 19 16-0871		MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,468.39	714.76
26 05 19 16-0872		MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,724.90	857.32
26 05 19 16-0873		MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,609.72	952.31
26 05 19 16-0874		MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,657.41	1,045.58
26 05 19 16-0875		MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,027.93	1,240.13
26 05 19 16-0876		MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,654.20	1,425.82
26 05 19 16-0877		MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,409.31	1,615.94
26 05 19 16-0878		MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,960.52	1,904.47
26 05 19 16-0879		MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	15,905.79	2,004.75
26 05 19 16-0880		MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	17,486.47	2,099.45
26 05 19 16-0881		MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	19,675.43	2,185.58
26 05 19 16-0882		MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	22,208.31	2,278.86

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0883			Bare Solid Conductor *(26 05 19 16-0848)*		
	26 05 19 16-0884	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,605.16	523.79
	26 05 19 16-0885	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,194.84	618.64
	26 05 19 16-0886	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,728.47	666.63
	26 05 19 16-0887	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	3,313.77	714.76
26 05 19 16-0888			Luminary Cable *(26 05 19 16)*		
	26 05 19 16-0889	MLF	16-2 (1TPJ), 12-2 MC Tuff Luminary Cable™	4,566.89	1,069.63
	26 05 19 16-0890	MLF	16-2 (1TPJ), 12-3 MC Tuff Luminary Cable™	5,187.87	1,188.48
	26 05 19 16-0891	MLF	16-2 (1TPJ), 10-2 MC Tuff Luminary Cable™	5,652.42	1,188.48
	26 05 19 16-0892	MLF	16-2 (1TPJ), 12-2 MC Lite Luminary Cable™	5,077.39	1,069.63
	26 05 19 16-0893	MLF	16-2 (1TPJ), 12-3 MC Lite Luminary Cable™	5,663.34	1,188.48
	26 05 19 16-0894	MLF	16-2 (1TPJ), 10-2 MC Lite Luminary Cable™	5,633.98	1,188.48
	26 05 19 16-0895	MLF	16-2 (1TPJ), 12-2 MC Lite Luminary Stranded Cable™	4,780.94	1,069.63
	26 05 19 16-0896	MLF	16-2 (1TPJ), 12-3 MC Lite Luminary Stranded Cable™	5,655.30	1,188.48

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001			Cable For HVAC System Controls *(26 05 23)*		
26 05 23 00-0002			Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*		
			Note: For surface or conduit installation.		
	26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	498.89	157.85
	26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	560.40	166.27
	26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	604.44	175.80
	26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	705.13	183.22
	26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	737.32	191.89
	26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	805.53	199.87
	26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	865.65	207.86
	26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	933.54	216.16
	26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	997.80	222.64
	26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	532.81	157.85
	26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	620.93	166.27
	26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	700.46	175.80
	26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	744.77	183.22
	26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	816.94	191.89
	26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	842.09	199.87
	26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	921.44	207.86
	26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,067.41	216.16
	26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,162.92	222.64

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001			Conductors, Straps And Conduit Jumpers *(26 05 26)*		
26 05 26 00-0002			Single Conductor *(26 05 26 00-0001)*		
26 05 26 00-0003			Copper Bare Stranded Conductors *(26 05 26 00-0002)*		
	26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	736.74	252.27
	26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	1,000.12	252.27
	26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,264.51	303.87
	26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,792.23	303.87
	26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	2,452.68	366.94
	26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,940.29	366.94
	26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	4,581.98	441.48
	26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	5,382.12	441.48
	26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	7,617.34	556.14
	26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	9,428.57	556.14
	26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	9,954.52	739.60
	26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	12,865.29	739.60
	26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	12,874.17	854.27
	26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	17,480.65	854.27
	26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	23,946.74	1,054.94
26 05 26 00-0019			Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*		
	26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,474.18	344.01
	26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,543.22	344.01
	26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	2,004.20	344.01
	26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	2,249.03	596.27
	26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	3,092.07	596.27
	26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	4,434.29	596.27
	26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	5,395.64	1,043.48
	26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	6,618.90	1,043.48
	26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	7,813.57	1,043.48
	26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	9,374.70	1,043.48
	26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	11,115.11	1,364.55
	26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	13,527.36	1,364.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	15,818.30	1,364.55
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	18,377.17	2,121.35
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	24,170.45	2,121.35

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	736.74	252.27
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	1,000.12	252.27
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	1,264.51	303.87
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,792.23	303.87
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	2,452.68	366.94
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,940.29	366.94
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	5,382.12	441.48
26 05 26 00-0043	MLF	2/0 AWG Copper Bare Single Solid Conductor	6,865.66	556.14
26 05 26 00-0044	MLF	3/0 AWG Copper Bare Single Solid Conductor	8,348.89	556.14
26 05 26 00-0045	MLF	4/0 AWG Copper Bare Single Solid Conductor	9,954.52	584.80

26 05 26 00-0046 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0047	MLF	8 AWG Aluminum Bare Single Stranded Conductor	903.68	303.87
26 05 26 00-0048	MLF	6 AWG Aluminum Bare Single Stranded Conductor	1,010.70	303.87
26 05 26 00-0049	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,177.84	366.94
26 05 26 00-0050	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,525.36	366.94
26 05 26 00-0051	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,815.86	441.48
26 05 26 00-0052	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	2,080.82	441.48
26 05 26 00-0053	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,390.84	556.14
26 05 26 00-0054	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,783.82	556.14
26 05 26 00-0055	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,300.32	739.60
26 05 26 00-0056	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,741.67	739.60
26 05 26 00-0057	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,579.72	854.27
26 05 26 00-0058	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,283.09	854.27
26 05 26 00-0059	MLF	500 MCM Aluminum Bare Single Stranded Conductor	6,187.90	1,054.94

26 05 26 00-0060 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0061	MLF	8 AWG Aluminum Bare Single Solid Conductor	903.68	303.87
26 05 26 00-0062	MLF	6 AWG Aluminum Bare Single Solid Conductor	1,010.70	303.87
26 05 26 00-0063	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,177.84	366.94
26 05 26 00-0064	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,525.36	366.94
26 05 26 00-0065	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,769.59	584.80
26 05 26 00-0066	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	2,080.82	584.80
26 05 26 00-0067	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,276.20	556.14
26 05 26 00-0068	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,552.99	556.14
26 05 26 00-0069	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,300.32	739.60
26 05 26 00-0070	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,741.67	739.60
26 05 26 00-0071	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,579.72	854.27
26 05 26 00-0072	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,283.09	854.27
26 05 26 00-0073	MLF	500 MCM Aluminum Bare Single Solid Conductor	6,187.90	1,054.94

26 05 26 00-0074 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0075	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.22	0.93
26 05 26 00-0076	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.54	1.03
26 05 26 00-0077	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.20	1.18
26 05 26 00-0078	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.23	1.20
26 05 26 00-0079	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.44	1.26

26 05 26 00-0080 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0081	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	170.55	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	299.75	40.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.38*	
26 05 26 00-0083	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	387.22	40.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.38*	
26 05 26 00-0084	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	473.49	40.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.38*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	404.76	44.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.48*	
26 05 26 00-0086	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	530.60	44.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.48*	
26 05 26 00-0087	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	639.93	44.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.48*	
26 05 26 00-0088	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	530.02	55.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.53*	
26 05 26 00-0089	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	637.23	67.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0090		**Bonding Jumper For Metallic Conduit** *(26 05 26 00-0001)*		
26 05 26 00-0091	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	219.58	74.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.34*	
26 05 26 00-0092	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	270.55	74.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.11*	
26 05 26 00-0093	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	404.20	115.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.58*	
26 05 26 00-0094	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	605.85	115.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.26*	
26 05 26 00-0095		**Ground Rods** *(26 05 26)*		
26 05 26 00-0096		**Copper-Clad Ground Rods** *(26 05 26 00-0095)*		
26 05 26 00-0097	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	111.66	101.61
26 05 26 00-0098	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	115.88	101.61
26 05 26 00-0099	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	132.89	101.61
26 05 26 00-0100	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	131.12	101.61
26 05 26 00-0101	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	136.39	101.61
26 05 26 00-0102	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	157.66	101.61
26 05 26 00-0103		**Copper Grounding Shaft** *(26 05 26 00-0095)*		
26 05 26 00-0104	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	384.75	101.61
26 05 26 00-0105	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	478.50	101.61
26 05 26 00-0106	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	741.32	101.61
26 05 26 00-0107		**Ground Access Wells** *(26 05 26 00-0095)*		
26 05 26 00-0108		**Precast Ground Access Wells** *(26 05 26 00-0107)*		
26 05 26 00-0109	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	307.40	
26 05 26 00-0110	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	318.90	
26 05 26 00-0111	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	920.06	
26 05 26 00-0112	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	931.57	
26 05 26 00-0113		**Polyvinyl Chloride (PVC) Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0114	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	599.81	
26 05 26 00-0115	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	730.06	
26 05 26 00-0116	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,602.80	
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	455.44	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	550.51	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,434.16	
26 05 26 00-0120	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	262.84	
26 05 26 00-0121	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	360.81	
26 05 26 00-0122	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	429.19	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	214.32	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	332.90	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	497.27	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	685.00	
26 05 26 00-0127	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	476.64	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	512.73	
26 05 26 00-0129	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	915.23	
26 05 26 00-0130	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,155.72	
26 05 26 00-0131	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	510.03	
26 05 26 00-0132	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	694.88	
26 05 26 00-0133	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	686.84	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0134		**Polymer Concrete Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0135	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	580.81	
26 05 26 00-0136	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	637.03	
26 05 26 00-0137	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	639.91	
26 05 26 00-0138	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	701.75	
26 05 26 00-0139	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	701.26	
26 05 26 00-0140	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	769.27	
26 05 26 00-0141	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	935.11	
26 05 26 00-0142	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	1,027.82	
26 05 26 00-0143		**High-Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0144	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	212.45	
26 05 26 00-0145	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	295.91	
26 05 26 00-0146		**Clay Tile Ground Access Wells** *(26 05 26 00-0107)*		
26 05 26 00-0147	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	335.59	
26 05 26 00-0148	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	352.77	
26 05 26 00-0149	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	106.71	
26 05 26 00-0150		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0151		**Bronze Ground Rod Clamp** *(26 05 26 00-0150)*		
26 05 26 00-0152	EA	1/2" Bronze Ground Rod Clamp	26.29	15.31
26 05 26 00-0153	EA	5/8" Bronze Ground Rod Clamp	27.35	15.31
26 05 26 00-0154	EA	3/4" Bronze Ground Rod Clamp	28.86	15.31
26 05 26 00-0155		**Bronze Pipe Clamps** *(26 05 26 00-0150)*		
26 05 26 00-0156	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	35.04	25.47
26 05 26 00-0157	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	43.23	30.48
26 05 26 00-0158	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	57.16	35.63
26 05 26 00-0159	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	71.54	45.80
26 05 26 00-0160	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	106.62	66.12
26 05 26 00-0161		**Grounding Fittings** *(26 05 26 00-0150)*		
26 05 26 00-0162		**Embedded Fittings** *(26 05 26 00-0161)*		
26 05 26 00-0163	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	176.82	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	186.45	
26 05 26 00-0165	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	203.54	
26 05 26 00-0166	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	177.71	
26 05 26 00-0167	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	212.98	
26 05 26 00-0168	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	249.64	
26 05 26 00-0169	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	280.92	
26 05 26 00-0170		**Ground Rod Receptacle** *(26 05 26 00-0161)*		
26 05 26 00-0171	EA	1/2" Ground Rod Receptacle	380.03	140.90
26 05 26 00-0172	EA	5/8" Ground Rod Receptacle	396.40	144.87
26 05 26 00-0173	EA	3/4" Ground Rod Receptacle	413.17	148.81
26 05 26 00-0174		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0161)*		
26 05 26 00-0175	EA	14-8 AWG Copper Ground Kit	85.88	33.87
26 05 26 00-0176	EA	12-8 AWG Aluminum Ground Kit	76.58	33.87
26 05 26 00-0177	EA	14-4 AWG Copper Ground Kit	93.98	33.87
26 05 26 00-0178	EA	12-4 AWG Aluminum Ground Kit	82.77	33.87
26 05 26 00-0179		**Insulated Grounding Bars** *(26 05 26 00-0150)*		
26 05 26 00-0180	EA	1/2" x 4" x 10" Insulated Ground Bar	345.68	34.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 05 26 00-0181	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	361.32	34.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 05 26 00-0182		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0183		**Ground Conductor Bonding** *(26 05 26 00-0182)*		
26 05 26 00-0184		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0185	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	156.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0186	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	170.02	
26 05 26 00-0187	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	183.56	
26 05 26 00-0188	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	264.84	
26 05 26 00-0189		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	176.79	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	203.88	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	251.30	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	305.48	
26 05 26 00-0194		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0195		**Special Grounding Equipment** *(26 05 26 00-0194)*		
26 05 26 00-0196		**Ground Reels And Ground Bus** *(26 05 26 00-0195)*		
26 05 26 00-0197	EA	Ground Reel With 50' Of Galvanized Steel Cable	761.55	
26 05 26 00-0198		**Copper Bars** *(26 05 26 00-0195)*		
26 05 26 00-0199	LF	1/4" x 2" Copper Bar	44.79	
26 05 26 00-0200		**Phenolic Insulators** *(26 05 26 00-0195)*		
26 05 26 00-0201	EA	2" x 2" x 1" Long Phenolic Insulators	34.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 26 00-0202		**Grounding Studs** *(26 05 26 00-0195)*		
26 05 26 00-0203	EA	Ball Grounding Stud	49.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.13*	
26 05 26 00-0204		**Equipment Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0205	EA	Switch Rating 30 Ground Bar Kit	37.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 26 00-0206	EA	Switch Rating 60 Ground Bar Kit	47.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 05 26 00-0207	EA	Switch Rating 100 Ground Bar Kit	55.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 26 00-0208	EA	Switch Rating 200 Ground Bar Kit	93.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 05 26 00-0209		**Panelboard Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0210	EA	Panelboard Ground Bar Kit	131.01	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 26 00-0211		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0212	EA	3 Circuit, Ground Bar Kit	31.21	6.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 26 00-0213	EA	4 Circuit, Ground Bar Kit	30.70	6.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 26 00-0214	EA	7 Circuit, Ground Bar Kit	31.54	6.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 26 00-0215	EA	12 Circuit, Ground Bar Kit	35.76	6.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 26 00-0216	EA	20 Circuit, Ground Bar Kit	40.65	7.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.72*	
26 05 26 00-0217	EA	24 Circuit, Ground Bar Kit	44.86	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 26 00-0218	EA	30 Circuit, Ground Bar Kit	50.27	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 05 26 00-0219	EA	54 Circuit, Ground Bar Kit	58.19	11.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.38*	
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	61.78	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	68.53	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	76.62	11.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*
See CSI section 05 43 00 00-0001 for additional unistrut fittings.

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*
Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	22.43	7.43
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	32.50	9.90
		For Galvanizing, Add	*2.16*	
		For Powder Coating, Add	*1.90*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	42.55	11.76
		For Galvanizing, Add	*3.24*	
		For Powder Coating, Add	*2.85*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	52.61	13.62
		For Galvanizing, Add	*4.31*	
		For Powder Coating, Add	*3.81*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.93	2.79
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	24.38	7.43
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	36.39	9.90
		For Galvanizing, Add	*2.82*	
		For Powder Coating, Add	*2.49*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	48.39	11.76
		For Galvanizing, Add	*4.23*	
		For Powder Coating, Add	*3.73*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	60.39	13.62
		For Galvanizing, Add	*5.64*	
		For Powder Coating, Add	*4.97*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.88	2.79
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	26.40	7.43
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	40.43	9.90
		For Galvanizing, Add	*3.51*	
		For Powder Coating, Add	*3.09*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	54.46	11.76
		For Galvanizing, Add	*5.26*	
		For Powder Coating, Add	*4.64*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	68.48	13.62
		For Galvanizing, Add	*7.01*	
		For Powder Coating, Add	*6.19*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.90	2.79
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	25.72	7.43
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	39.06	9.90
		For Galvanizing, Add	*3.27*	
		For Powder Coating, Add	*2.89*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	52.40	11.76
		For Galvanizing, Add	*4.91*	
		For Powder Coating, Add	*4.33*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	65.74	13.62
		For Galvanizing, Add	*6.55*	
		For Powder Coating, Add	*5.78*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.22	2.79
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	25.27	7.43
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	38.17	9.90
		For Galvanizing, Add	*3.12*	
		For Powder Coating, Add	*2.75*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	51.07	11.76
		For Galvanizing, Add	*4.68*	
		For Powder Coating, Add	*4.13*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	63.96	13.62
		For Galvanizing, Add	*6.24*	
		For Powder Coating, Add	*5.51*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.77	2.79
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0029		Stainless Steel Unistrut Channel *(26 05 29 00-0002)*		
26 05 29 00-0030		304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*		
26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	36.21	7.43
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	60.04	9.90
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	83.87	11.76
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	107.70	13.62
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.70	2.80
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.90	7.43
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	67.43	9.90
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	94.95	11.76
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	122.48	13.62
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	29.39	2.80
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	41.12	7.43
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	69.88	9.90
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	98.62	11.76
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	127.37	13.62
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	30.62	2.79
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	47.49	7.43
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	82.62	9.90
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	117.73	11.76
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	152.85	13.62
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.99	2.79
26 05 29 00-0051		316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*		
26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	52.15	7.43
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	91.94	9.90
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	131.71	11.76
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	171.48	13.62
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	41.64	2.80
26 05 29 00-0057		Aluminum Unistrut Channel *(26 05 29 00-0002)*		
26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	21.29	7.43
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	30.21	9.90
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	39.11	11.76
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	48.02	13.62
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.79	2.79
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	24.69	7.43
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	37.00	9.90
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	49.31	11.76
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	61.61	13.62
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	14.19	2.79
26 05 29 00-0068		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*		
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	9.25	0.68
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	6.50	1.70
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.94	1.70
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.86	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.80	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	10.84	
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	18.13	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	26.80	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	34.13	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	8.56	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.06	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	12.63	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	12.45	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0090		**Stainless Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.54	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.08	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	11.15	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.68	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.37	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	26.20	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	15.08	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.71	
26 05 29 00-0099		**60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0100		**Steel 60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	18.32	
26 05 29 00-0102		**U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0103		**Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	6.09	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.86	
26 05 29 00-0106		**Stainless Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	21.56	
26 05 29 00-0108		**Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0109		**Steel Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	18.82	
26 05 29 00-0111		**Stainless Steel Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	41.58	
26 05 29 00-0113		**Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		**Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.26	2.04
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.29	2.04
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.47	2.04
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.07	2.71
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.96	2.71
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.05	2.71
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.04	3.40
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.83	3.40
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.59	3.40
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.87	3.40
26 05 29 00-0125		**304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.72	2.04
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.69	2.04
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.65	2.04
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.28	2.71
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.97	2.71
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.67	2.71
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.04	3.40
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.43	3.40
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.45	3.40
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.24	3.40
26 05 29 00-0136		**316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.31	2.04
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.67	2.04
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.06	2.04
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.47	2.71
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.17	2.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.40	2.71
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.85	3.40
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.06	3.40
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	31.71	3.40
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	37.00	3.40
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	47.75	12.38
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	30.04	12.38
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	45.96	12.38
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	53.38	12.38
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	6.18	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	5.36	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.68	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	52.74	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	65.26	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	9.83	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	10.91	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	11.72	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	16.10	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.40	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	16.47	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	23.00	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	37.30	
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.86	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	11.06	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	11.78	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	17.36	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.43	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.67	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.10	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	36.37	
26 05 29 00-0186		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0187		Galvanized Steel Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0188		Galvanized Steel Back Plate *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	595.68	81.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	146.27	27.10
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	370.47	67.74

26 05 29 00-0192 Aluminum Mounting Assemblies *(26 05 29 00-0186)*

26 05 29 00-0193 Aluminum Back Plate *(26 05 29 00-0192)*

26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	575.07	101.61
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,706.34	101.61

26 05 29 00-0196 Supports *(26 05 29)*

26 05 29 00-0197 One Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	5.00	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	5.07	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	5.46	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	5.75	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	5.94	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.46*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	7.12	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	8.33	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.70*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	8.73	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.74*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	10.71	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.94*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	12.29	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0208		**One Hole Iron Conduit Straps** *(26 05 29 00-0196)*		
26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	5.19	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	5.38	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.40*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.72	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	6.54	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.87	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	8.96	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.76*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	13.44	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.21*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	17.18	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.58*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	22.65	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.13*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	44.53	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.32*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	56.29	
		For Work In Restricted Working Space, Add	*1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 500, Deduct	*-4.76*	
		For >500, Deduct	*-6.50*	
26 05 29 00-0220		**Two Hole Steel Conduit Straps** *(26 05 29 00-0196)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	5.74	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	5.87	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	5.93	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.57*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	6.03	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	6.09	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	6.26	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.60*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	7.16	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.69*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	7.35	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.71*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	8.06	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	8.54	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.83*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	9.19	
		For Work In Restricted Working Space, Add	*1.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.42*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.89*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.74	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	5.22	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.20*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.66	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.24*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	7.38	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	8.77	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	10.22	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.70*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	16.14	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.29*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	23.20	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.00*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	30.06	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.68*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	62.28	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-3.28*	
		For >250 To 500, Deduct	*-5.09*	
		For >500, Deduct	*-6.91*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	116.68	
		For Work In Restricted Working Space, Add	*1.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.95*	
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-6.00*	
		For >250 To 500, Deduct	*-9.17*	
		For >500, Deduct	*-12.35*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

26 05 29 00-0245	EA	1/2" Conduit Clip	5.56	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0246	EA	3/4" Conduit Clip	5.56	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0247	EA	1" Conduit Clip	5.46	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	5.70	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.18*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.91	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.46*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	7.15	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.46*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.80*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	7.62	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.54*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.91*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	7.76	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.54*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.93*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	8.67	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.54*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.02*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	9.39	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.63*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.16*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	10.20	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.63*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.24*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	18.47	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.79*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.20*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	4.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	4.08	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	4.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.72	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0263		**Beam Flange Clamps** *(26 05 29 00-0196)*		
		Note: For threaded rod, nut not required.		
26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.94	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.82	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.53	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0267		**T-Bar Support Clips** *(26 05 29 00-0196)*		
26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.86	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.34*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	9.32	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.29*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.59	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.99	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.54*	
26 05 29 00-0272		**Switch And Outlet Box Type Supports** *(26 05 29 00-0196)*		
26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.37	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	6.22	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	7.21	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.58	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.79	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0278			**Lighting Fixture Hanger** *(26 05 29 00-0196)* Note: For existing or owner furnished fixtures.		
26 05 29 00-0279		EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.54	
			For >50 To 100, Deduct	*-0.30*	
			For >100 To 250, Deduct	*-0.60*	
			For >250 To 500, Deduct	*-1.17*	
			For >500, Deduct	*-1.74*	
26 05 29 00-0280		PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	23.56	
			For >50 To 100, Deduct	*-0.72*	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-2.44*	
			For >500, Deduct	*-3.44*	
26 05 29 00-0281		PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	32.51	
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 250, Deduct	*-1.90*	
			For >250 To 500, Deduct	*-3.12*	
			For >500, Deduct	*-4.34*	
26 05 29 00-0282			**Rigid Steel Conduit Clamps For Unistrut Channel** *(26 05 29 00-0196)*		
26 05 29 00-0283		EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.25	
			For >50 To 100, Deduct	*-0.26*	
			For >100 To 250, Deduct	*-0.52*	
			For >250 To 500, Deduct	*-0.98*	
			For >500, Deduct	*-1.44*	
			For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0284		EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.28	
			For >50 To 100, Deduct	*-0.26*	
			For >100 To 250, Deduct	*-0.52*	
			For >250 To 500, Deduct	*-0.98*	
			For >500, Deduct	*-1.44*	
			For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0285		EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.46	
			For >50 To 100, Deduct	*-0.26*	
			For >100 To 250, Deduct	*-0.53*	
			For >250 To 500, Deduct	*-0.99*	
			For >500, Deduct	*-1.46*	
			For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0286		EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.06	
			For >50 To 100, Deduct	*-0.34*	
			For >100 To 250, Deduct	*-0.67*	
			For >250 To 500, Deduct	*-1.28*	
			For >500, Deduct	*-1.89*	
			For Work In Restricted Working Space, Add	*1.63*	
26 05 29 00-0287		EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.95	
			For >50 To 100, Deduct	*-0.36*	
			For >100 To 250, Deduct	*-0.72*	
			For >250 To 500, Deduct	*-1.35*	
			For >500, Deduct	*-1.98*	
			For Work In Restricted Working Space, Add	*1.63*	
26 05 29 00-0288		EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.04	
			For >50 To 100, Deduct	*-0.36*	
			For >100 To 250, Deduct	*-0.72*	
			For >250 To 500, Deduct	*-1.36*	
			For >500, Deduct	*-1.99*	
			For Work In Restricted Working Space, Add	*1.63*	
26 05 29 00-0289		EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.03	
			For >50 To 100, Deduct	*-0.45*	
			For >100 To 250, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-1.67*	
			For >500, Deduct	*-2.46*	
			For Work In Restricted Working Space, Add	*2.03*	
26 05 29 00-0290		EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.82	
			For >50 To 100, Deduct	*-0.46*	
			For >100 To 250, Deduct	*-0.93*	
			For >250 To 500, Deduct	*-1.73*	
			For >500, Deduct	*-2.54*	
			For Work In Restricted Working Space, Add	*2.03*	
26 05 29 00-0291		EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.58	
			For >50 To 100, Deduct	*-0.48*	
			For >100 To 250, Deduct	*-0.97*	
			For >250 To 500, Deduct	*-1.79*	
			For >500, Deduct	*-2.61*	
			For Work In Restricted Working Space, Add	*2.03*	
26 05 29 00-0292		EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	12.86	
			For >50 To 100, Deduct	*-0.49*	
			For >100 To 250, Deduct	*-0.98*	
			For >250 To 500, Deduct	*-1.81*	
			For >500, Deduct	*-2.64*	
			For Work In Restricted Working Space, Add	*2.03*	
26 05 29 00-0293			**Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel** *(26 05 29 00-0196)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.83	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.76	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.67	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.48*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.77	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*1.63*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	10.32	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.12*	
		For Work In Restricted Working Space, Add	*1.63*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	10.41	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.13*	
		For Work In Restricted Working Space, Add	*1.63*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	28.27	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.73*	
		For Work In Restricted Working Space, Add	*2.85*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	28.59	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.33*	
		For >500, Deduct	*-4.76*	
		For Work In Restricted Working Space, Add	*2.85*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	30.25	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.19*	
		For Work In Restricted Working Space, Add	*3.25*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	30.60	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.23*	
		For Work In Restricted Working Space, Add	*3.25*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	32.19	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.94*	
		For >500, Deduct	*-5.66*	
		For Work In Restricted Working Space, Add	*3.66*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	33.53	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-4.04*	
		For >500, Deduct	*-5.79*	
		For Work In Restricted Working Space, Add	*3.66*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	53.94	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.74*	
		For >500, Deduct	*-8.10*	
		For Work In Restricted Working Space, Add	*4.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	57.30	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.16*	
		For >500, Deduct	*-8.71*	
		For Work In Restricted Working Space, Add	*4.47*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	61.68	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.66*	
		For >500, Deduct	*-9.42*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	82.35	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-8.21*	
		For >500, Deduct	*-11.49*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	90.49	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-8.99*	
		For >500, Deduct	*-12.57*	
		For Work In Restricted Working Space, Add	*5.28*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	127.85	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-7.41*	
		For >250 To 500, Deduct	*-12.13*	
		For >500, Deduct	*-16.85*	
		For Work In Restricted Working Space, Add	*6.10*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	10.15	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	12.25	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.04*	
		For Work In Restricted Working Space, Add	*1.22*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.51	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.39	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.88*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.39	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.88*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.65	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.68	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.54	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.65	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.68	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.01*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.39	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.44	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.63	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.60*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	3.02	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.64*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.33	
		For Up To 0.1, Add	*28.29*	
		For >0.1 To 0.25, Add	*14.15*	
		For >0.25 To 0.75, Add	*7.07*	
		For >2.0, Deduct	*-2.83*	
		For UV Black, Add	*0.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.56	
		For Up To 0.1, Add	*28.29*	
		For >0.1 To 0.25, Add	*14.15*	
		For >0.25 To 0.75, Add	*7.07*	
		For >2.0, Deduct	*-2.83*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.73	
		For Up To 0.1, Add	*28.29*	
		For >0.1 To 0.25, Add	*14.15*	
		For >0.25 To 0.75, Add	*7.07*	
		For >2.0, Deduct	*-2.83*	
		For UV Black, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.80	
		For Up To 0.1, Add	*28.29*	
		For >0.1 To 0.25, Add	*14.15*	
		For >0.25 To 0.75, Add	*7.07*	
		For >2.0, Deduct	*-2.83*	
		For UV Black, Add	*0.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	36.09	
		For Up To 0.1, Add	*29.51*	
		For >0.1 To 0.25, Add	*14.76*	
		For >0.25 To 0.75, Add	*7.38*	
		For >2.0, Deduct	*-2.95*	
		For UV Black, Add	*0.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	42.54	
		For Up To 0.1, Add	*30.86*	
		For >0.1 To 0.25, Add	*15.43*	
		For >0.25 To 0.75, Add	*7.72*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.82	
		For Up To 0.1, Add	*28.29*	
		For >0.1 To 0.25, Add	*14.15*	
		For >0.25 To 0.75, Add	*7.07*	
		For >2.0, Deduct	*-2.83*	
		For UV Black, Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	42.13	
		For Up To 0.1, Add	*29.51*	
		For >0.1 To 0.25, Add	*14.76*	
		For >0.25 To 0.75, Add	*7.38*	
		For >2.0, Deduct	*-2.95*	
		For UV Black, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.85*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	43.55	
		For Up To 0.1, Add	*30.86*	
		For >0.1 To 0.25, Add	*15.43*	
		For >0.25 To 0.75, Add	*7.72*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*1.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	62.54	
		For Up To 0.1, Add	*33.28*	
		For >0.1 To 0.25, Add	*16.64*	
		For >0.25 To 0.75, Add	*8.32*	
		For >2.0, Deduct	*-3.33*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	65.19	
		For Up To 0.1, Add	*33.28*	
		For >0.1 To 0.25, Add	*16.64*	
		For >0.25 To 0.75, Add	*8.32*	
		For >2.0, Deduct	*-3.33*	
		For UV Black, Add	*4.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	45.40	
		For Up To 0.1, Add	*30.86*	
		For >0.1 To 0.25, Add	*15.43*	
		For >0.25 To 0.75, Add	*7.72*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	43.06	
		For Up To 0.1, Add	*30.86*	
		For >0.1 To 0.25, Add	*15.43*	
		For >0.25 To 0.75, Add	*7.72*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	63.27	
		For Up To 0.1, Add	*33.28*	
		For >0.1 To 0.25, Add	*16.64*	
		For >0.25 To 0.75, Add	*8.32*	
		For >2.0, Deduct	*-3.33*	
		For UV Black, Add	*4.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	72.23	
		For Up To 0.1, Add	*35.36*	
		For >0.1 To 0.25, Add	*17.68*	
		For >0.25 To 0.75, Add	*8.84*	
		For >2.0, Deduct	*-3.54*	
		For UV Black, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	70.43	
		For Up To 0.1, Add	*30.86*	
		For >0.1 To 0.25, Add	*15.43*	
		For >0.25 To 0.75, Add	*7.72*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	77.08	
		For Up To 0.1, Add	*33.28*	
		For >0.1 To 0.25, Add	*16.64*	
		For >0.25 To 0.75, Add	*8.32*	
		For >2.0, Deduct	*-3.33*	
		For UV Black, Add	*6.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	92.98	
		For Up To 0.1, Add	*35.36*	
		For >0.1 To 0.25, Add	*17.68*	
		For >0.25 To 0.75, Add	*8.84*	
		For >2.0, Deduct	*-3.54*	
		For UV Black, Add	*8.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	132.11	
		For Up To 0.1, Add	*37.71*	
		For >0.1 To 0.25, Add	*18.86*	
		For >0.25 To 0.75, Add	*9.43*	
		For >2.0, Deduct	*-3.77*	
		For UV Black, Add	*14.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0350	C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	128.08	
		For Up To 0.1, Add	*37.71*	
		For >0.1 To 0.25, Add	*18.86*	
		For >0.25 To 0.75, Add	*9.43*	
		For >2.0, Deduct	*-3.77*	
		For UV Black, Add	*13.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.31*	
26 05 29 00-0351	C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	155.59	
		For Up To 0.1, Add	*39.47*	
		For >0.1 To 0.25, Add	*19.74*	
		For >0.25 To 0.75, Add	*9.87*	
		For >2.0, Deduct	*-3.95*	
		For UV Black, Add	*17.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 05 29 00-0352	C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	179.80	
		For Up To 0.1, Add	*41.39*	
		For >0.1 To 0.25, Add	*20.70*	
		For >0.25 To 0.75, Add	*10.35*	
		For >2.0, Deduct	*-4.14*	
		For UV Black, Add	*20.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.42*	
26 05 29 00-0353	C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	245.77	
		For Up To 0.1, Add	*44.66*	
		For >0.1 To 0.25, Add	*22.33*	
		For >0.25 To 0.75, Add	*11.17*	
		For >2.0, Deduct	*-4.47*	
		For UV Black, Add	*30.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.40*	
26 05 29 00-0354	C	3/4" x 3/4" Self Adhesive Tie Mounts	45.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.73*	
26 05 29 00-0355	C	1.1" x 1.1" Tie Mounts With Screw	90.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.46*	
26 05 29 00-0356	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	
26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	113.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.27*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.54	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.51*	
		For >500, Deduct	*-5.01*	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.82	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.60*	
		For >500, Deduct	*-5.14*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.42	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.72*	
		For >500, Deduct	*-5.30*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.71	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.43*	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.98	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.90*	
		For >500, Deduct	*-5.56*	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.58	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.08*	
		For >500, Deduct	*-5.81*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	14.14	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0370		**Machine Screws** *(26 05 29 00-0361)* Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.11	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.16	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.97	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.91*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.15	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-1.92*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	5.13	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.32*	
26 05 29 00-0376		**Hex Lag Bolts With Lag Shield Expansion Anchors** *(26 05 29 00-0361)* Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.10	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-2.02*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.04	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.01*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	7.16	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.52*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	9.15	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-3.02*	
26 05 29 00-0381		**Hanger Lag Bolts With Hex Nuts** *(26 05 29 00-0361)* Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.81	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.87	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.59	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.80*	
26 05 29 00-0385		**Hollow Wall Screw Anchors** *(26 05 29 00-0361)*		
26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.25	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.32	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.43	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.08	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.23	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.28	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.31	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.53	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.19*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.61	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.20*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.20	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.37*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.19	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.76*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	8.37	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.55*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	9.18	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.23*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	9.62	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.39*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	10.53	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.62*	

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 00-0405 Carbon Steel Threaded Rod *(26 05 29 00-0404)*

Note: Includes plain finish.

26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.44	0.85
		For Galvanized, Add	*0.70*	
		For Zinc Coated, Add	*0.50*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.58	0.90
		For Galvanized, Add	*1.11*	
		For Zinc Coated, Add	*0.79*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.17	0.93
		For Galvanized, Add	*1.72*	
		For Zinc Coated, Add	*1.23*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.74	0.96
		For Galvanized, Add	*3.12*	
		For Zinc Coated, Add	*2.23*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.58	1.00
		For Galvanized, Add	*3.43*	
		For Zinc Coated, Add	*2.45*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.30	1.13
		For Galvanized, Add	*4.82*	
		For Zinc Coated, Add	*3.43*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.70	1.26
		For Galvanized, Add	*6.08*	
		For Zinc Coated, Add	*4.33*	

26 05 29 00-0413 Threaded Rod Couplings *(26 05 29 00-0404)*

26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.91
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	12.37
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	15.44
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	18.81
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	27.50
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	32.62
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	62.22

26 05 29 00-0421 Flat Washers *(26 05 29 00-0404)*

26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.93	0.34
		For Galvanized, Add	*0.04*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.19	0.34
		For Galvanized, Add	*0.09*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.57	0.34
		For Galvanized, Add	*0.17*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.92	0.68
		For Galvanized, Add	*0.25*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.17	0.68
		For Galvanized, Add	*0.29*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.57	0.68
		For Galvanized, Add	*0.36*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.88	0.68
		For Galvanized, Add	*0.41*	

26 05 29 00-0429 Malleable Iron Eye Sockets *(26 05 29 00-0404)*

Note: Type 16.

26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	16.18
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	19.58
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	35.49
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	51.33
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	54.52

26 05 29 00-0435 Hex Nuts *(26 05 29 00-0404)*

26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.91	0.34
		For Galvanized, Add	*0.04*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.14	0.34
		For Galvanized, Add	*0.08*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.34
		For Galvanized, Add	*0.17*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.86	0.68
		For Galvanized, Add	*0.23*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.73	0.68
		For Galvanized, Add	*0.43*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.48	0.68
		For Galvanized, Add	*0.59*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.69	0.68
		For Galvanized, Add	*1.11*	

26 05 29 00-0443 Forged Steel Turnbuckles *(26 05 29 00-0404)*

Note: Type 13.

26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	38.70
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	48.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	66.13	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	82.45	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	212.63	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	136.87	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	283.14	
26 05 29 00-0451		**Attachments** *(26 05 29 00-0403)*		
26 05 29 00-0452		**Welded Beam Attachments** *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	70.21	13.55
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	75.01	14.22
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	79.94	15.03
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	104.05	15.99
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	126.23	16.93
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	179.71	19.38
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	258.97	20.32
26 05 29 00-0460		**C-Clamp Style Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	22.24	10.18
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	27.23	10.86
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	31.27	11.64
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	41.48	12.53
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	62.62	13.58
26 05 29 00-0466		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	68.91	13.58
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	104.00	14.82
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	151.17	16.29
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	181.67	18.10
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	452.25	20.36
26 05 29 00-0472		**Steel U-Bolts** *(26 05 29 00-0451)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	18.21	8.14
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	19.90	8.57
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	21.51	9.05
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	24.83	9.58
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	25.49	10.18
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	27.30	10.87
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	41.44	11.64
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	45.84	12.53
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	56.20	13.58
26 05 29 00-0482		**Stainless Steel Threaded Rod** *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.28	0.68
		For 316 Stainless Steel, Add	*1.18*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.49	0.74
		For 316 Stainless Steel, Add	*2.02*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.35	0.85
		For 316 Stainless Steel, Add	*2.69*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.65	0.87
		For 316 Stainless Steel, Add	*4.01*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	14.00	0.90
		For 316 Stainless Steel, Add	*4.94*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.05	0.92
		For 316 Stainless Steel, Add	*7.78*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.52	0.93
		For 316 Stainless Steel, Add	*11.20*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.68	0.96
		For 316 Stainless Steel, Add	*15.69*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.29	1.13
		For 316 Stainless Steel, Add	*20.26*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	110.83	1.36
		For 316 Stainless Steel, Add	*43.74*	
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0493)*		
26 05 29 00-0495		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.59	27.10
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.65	29.54
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.89	32.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.51	36.18
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.30	40.64
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	132.41	44.71
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.79	48.77
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	159.29	52.84
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	168.42	56.90
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	181.94	60.96
26 05 29 00-0506		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.31	27.10
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.85	29.54
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.46	32.52
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.91	36.18
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.61	40.64
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.16	44.71
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	149.04	48.77
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	164.94	52.84
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	175.52	56.90
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	182.88	60.96
26 05 29 00-0517		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.40	26.82
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.79	29.27
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	85.70	32.52
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.10	35.77
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.33	40.64
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.82	44.71
26 05 29 00-0524		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0525		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.06	0.81
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.75	0.81
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.78	0.81
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.51	0.81
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.36	0.81
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.50	0.81
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	40.57	0.81
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	54.30	0.81
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	95.97	0.81
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	101.98	0.81
26 05 29 00-0536		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.91	1.62
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.98	1.62
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.39	1.62
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.54	1.62
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.11	1.62
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.17	1.62
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.14	1.62
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.37	1.62
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.27	1.62
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.81	1.62
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.46	1.62
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.77	1.62
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	21.02	1.62
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	24.53	1.62
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	32.75	1.62
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	63.11	1.62
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	79.98	1.62
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	109.10	1.62
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	190.75	1.62
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	190.75	1.62
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.96	1.09
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.24	1.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.57	8.14
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.28	8.55
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.42	9.10
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.84	9.64
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.39	10.18
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.42	10.87
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.25	11.68
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	42.28	12.49
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	45.11	13.58
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	72.30	15.48
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	89.36	17.92
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	71.11	26.82
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	82.34	26.82
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	86.96	26.82
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	95.74	28.45
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	111.95	32.52
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.00	8.95
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.39	9.76
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.93	10.57
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.80	12.20
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	39.83	13.82
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.32	14.63
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	48.97	16.26
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.31	17.88
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	63.78	18.70
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	66.99	20.32
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	71.54	22.76
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	28.16	4.06
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	49.92	5.69
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	30.08	4.06
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	22.27	4.06
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	23.46	4.06
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,461.07	138.66
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,509.99	138.66
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,959.47	138.66
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	2,034.00	138.66
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,890.10	138.66
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,242.04	138.66
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,511.91	138.66
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,404.75	173.32
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,665.65	173.32
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,932.79	173.32
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	697.39	72.00
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	831.00	72.00
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,083.97	103.99
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,133.63	103.99
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,639.17	103.99
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,709.44	103.99
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,840.36	103.99
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,840.36	103.99
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,485.15	103.99
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,954.47	103.99
26 05 29 00-0623		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	414.38	72.00
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	448.73	72.00
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	480.02	72.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	583.96	72.00
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	537.58	72.00
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	559.43	72.00
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	616.10	72.00
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	649.15	72.00
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	759.54	72.00
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	941.37	72.00
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,395.62	103.99
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,462.08	103.99
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,483.05	103.99
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,622.76	103.99
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,491.46	103.99
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,117.39	103.99

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit With Wire Assemblies *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,020.35	302.57
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*259.39*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,118.25	328.57
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*281.67*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,216.15	354.57
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*303.95*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*4.72*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,081.22	315.57
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*270.53*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,203.36	345.90
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*296.53*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Assembly	1,325.50	376.23
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*322.52*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,219.91	341.56
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*292.81*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,131.98	326.21
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*279.59*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,229.88	352.21
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*301.88*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,327.77	378.21
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*324.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,425.67	404.21
		For Work In Restricted Working Space, Add	*346.44*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,192.85	339.22
		For Work In Restricted Working Space, Add	*290.73*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,314.99	369.54
		For Work In Restricted Working Space, Add	*316.73*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,437.12	399.87
		For Work In Restricted Working Space, Add	*342.73*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,559.26	430.21
		For Work In Restricted Working Space, Add	*368.73*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,504.71	404.21
		For Work In Restricted Working Space, Add	*346.44*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,677.87	443.20
		For Work In Restricted Working Space, Add	*379.87*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,512.79	391.21
		For Work In Restricted Working Space, Add	*335.30*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,751.07	438.88
		For Work In Restricted Working Space, Add	*376.16*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,287.60	351.10
		For Work In Restricted Working Space, Add	*300.98*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,385.49	377.09
		For Work In Restricted Working Space, Add	*323.27*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,483.39	403.09
		For Work In Restricted Working Space, Add	*345.55*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,581.29	429.09
		For Work In Restricted Working Space, Add	*367.84*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,348.47	364.10
		For Work In Restricted Working Space, Add	*312.13*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,470.61	394.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*338.12*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,592.75	424.76
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*364.12*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,714.89	455.09
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*390.12*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,660.33	429.09
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*367.84*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,906.69	463.76
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*397.55*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,144.97	511.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*438.40*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,343.73	344.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*295.19*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,441.64	370.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*317.48*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,404.60	357.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*306.33*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,526.74	387.74
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*332.33*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,543.29	383.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*328.61*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,476.61	367.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*314.80*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,574.51	393.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*337.08*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,672.40	419.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*359.37*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,537.48	380.32
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*325.94*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,659.62	410.65
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*351.94*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,781.76	440.97
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*377.94*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,849.34	445.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*381.65*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	2,022.51	484.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*415.08*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,857.42	432.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*370.51*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,095.70	479.98
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*411.36*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,899.55	438.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*375.97*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,997.44	464.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*398.25*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	2,095.34	490.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*420.54*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,984.66	455.95
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*390.83*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	2,106.79	486.29
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*416.82*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	2,228.93	516.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*442.82*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	2,174.38	490.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*420.54*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,420.73	525.28
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*450.25*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,659.02	572.94
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*491.10*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0061		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".			
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling		9.56	2.72
		For >250 To 500, Deduct		*-0.14*	
		For >500 To 1,000, Deduct		*-0.55*	
		For >1,000, Deduct		*-0.79*	
		For Installation In Metal Stud Wall, Add		*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.70*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add		*1.02*	
		For Work In Restricted Working Space, Add		*2.04*	
		For Elevated Installation >10' To 15' Above Floor, Add		*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add		*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add		*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add		*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add		*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add		*3.41*	
		For Elevated Installation >40' Above Floor, Add		*3.75*	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling		11.33	2.97
		For >250 To 500, Deduct		*-0.17*	
		For >500 To 1,000, Deduct		*-0.65*	
		For >1,000, Deduct		*-0.93*	
		For Installation In Metal Stud Wall, Add		*0.79*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.98*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add		*1.19*	
		For Work In Restricted Working Space, Add		*2.38*	
		For Elevated Installation >10' To 15' Above Floor, Add		*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add		*1.59*	
		For Elevated Installation >20' To 25' Above Floor, Add		*1.98*	
		For Elevated Installation >25' To 30' Above Floor, Add		*2.78*	
		For Elevated Installation >30' To 35' Above Floor, Add		*3.17*	
		For Elevated Installation >35' To 40' Above Floor, Add		*3.97*	
		For Elevated Installation >40' Above Floor, Add		*4.36*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling		15.91	3.46
		For >250 To 500, Deduct		*-0.26*	
		For >500 To 1,000, Deduct		*-0.93*	
		For >1,000, Deduct		*-1.32*	
		For Installation In Metal Stud Wall, Add		*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*2.66*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add		*1.60*	
		For Work In Restricted Working Space, Add		*3.20*	
		For Elevated Installation >10' To 15' Above Floor, Add		*1.07*	
		For Elevated Installation >15' To 20' Above Floor, Add		*2.13*	
		For Elevated Installation >20' To 25' Above Floor, Add		*2.66*	
		For Elevated Installation >25' To 30' Above Floor, Add		*3.73*	
		For Elevated Installation >30' To 35' Above Floor, Add		*4.26*	
		For Elevated Installation >35' To 40' Above Floor, Add		*5.33*	
		For Elevated Installation >40' Above Floor, Add		*5.86*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling		18.28	3.96
		For >250 To 500, Deduct		*-0.35*	
		For >500 To 1,000, Deduct		*-1.09*	
		For >1,000, Deduct		*-1.55*	
		For Installation In Metal Stud Wall, Add		*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*2.82*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add		*1.69*	
		For Work In Restricted Working Space, Add		*3.38*	
		For Elevated Installation >10' To 15' Above Floor, Add		*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add		*2.25*	
		For Elevated Installation >20' To 25' Above Floor, Add		*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add		*3.94*	
		For Elevated Installation >30' To 35' Above Floor, Add		*4.51*	
		For Elevated Installation >35' To 40' Above Floor, Add		*5.64*	
		For Elevated Installation >40' Above Floor, Add		*6.20*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling		20.97	4.46
		For >250 To 500, Deduct		*-0.43*	
		For >500 To 1,000, Deduct		*-1.26*	
		For >1,000, Deduct		*-1.79*	
		For Installation In Metal Stud Wall, Add		*1.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*3.10*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add		*1.86*	
		For Work In Restricted Working Space, Add		*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add		*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add		*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add		*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add		*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add		*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add		*6.19*	
		For Elevated Installation >40' Above Floor, Add		*6.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	26.71	5.45
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.29*	
		For Installation In Metal Stud Wall, Add	*1.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.81*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.28*	
		For Work In Restricted Working Space, Add	*4.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.62*	
		For Elevated Installation >40' Above Floor, Add	*8.38*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	39.70	7.43
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.45*	
		For Installation In Metal Stud Wall, Add	*2.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.17*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.34*	
		For Elevated Installation >40' Above Floor, Add	*11.37*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	52.07	9.90
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.51*	
		For Installation In Metal Stud Wall, Add	*2.79*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.96*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.18*	
		For Work In Restricted Working Space, Add	*8.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.93*	
		For Elevated Installation >40' Above Floor, Add	*15.32*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	62.60	12.38
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000, Deduct	*-5.43*	
		For Installation In Metal Stud Wall, Add	*3.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.26*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.96*	
		For Work In Restricted Working Space, Add	*9.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.53*	
		For Elevated Installation >40' Above Floor, Add	*18.18*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	74.23	14.86
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-6.47*	
		For Installation In Metal Stud Wall, Add	*3.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.72*	
		For Work In Restricted Working Space, Add	*11.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.07*	
		For Elevated Installation >40' Above Floor, Add	*20.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	116.74	18.81
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-7.58*	
		For >1,000, Deduct	*-10.50*	
		For Installation In Metal Stud Wall, Add	*4.70*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*11.76*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	157.38	23.77
		For >250 To 500, Deduct	*-4.90*	
		For >500 To 1,000, Deduct	*-10.32*	
		For >1,000, Deduct	*-14.25*	
		For Installation In Metal Stud Wall, Add	*5.94*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*14.86*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*8.91*	
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	36.49	12.25
		For Work In Restricted Working Space, Add	*9.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.37*	
		For Elevated Installation >40' Above Floor, Add	*16.90*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	45.81	15.23
		For Work In Restricted Working Space, Add	*11.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.11*	
		For Elevated Installation >40' Above Floor, Add	*21.02*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	58.30	18.69
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.31*	
		For Elevated Installation >40' Above Floor, Add	*25.64*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	74.10	21.66
		For Work In Restricted Working Space, Add	*16.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.06*	
		For Elevated Installation >40' Above Floor, Add	*29.76*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	85.95	24.88
		For Work In Restricted Working Space, Add	*18.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.06*	
		For Elevated Installation >40' Above Floor, Add	*34.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	101.10	27.36
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.16*	
		For Elevated Installation >40' Above Floor, Add	*37.58*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	143.83	34.17
		For Work In Restricted Working Space, Add	*25.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	203.33	46.55
		For Work In Restricted Working Space, Add	*34.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.18*	
		For Elevated Installation >40' Above Floor, Add	*64.00*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	267.21	52.49
		For Work In Restricted Working Space, Add	*39.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*65.63*	
		For Elevated Installation >40' Above Floor, Add	*72.19*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	327.50	68.33
		For Work In Restricted Working Space, Add	*51.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.41*	
		For Elevated Installation >40' Above Floor, Add	*93.95*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	535.67	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.29*	
		For Elevated Installation >40' Above Floor, Add	*153.21*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	805.27	167.38
		For Work In Restricted Working Space, Add	*125.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*41.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*83.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*104.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*146.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*167.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*209.21*	
		For Elevated Installation >40' Above Floor, Add	*230.13*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	36.49	12.25
		For Work In Restricted Working Space, Add	*9.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.37*	
		For Elevated Installation >40' Above Floor, Add	*16.90*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	45.81	15.23
		For Work In Restricted Working Space, Add	*11.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.11*	
		For Elevated Installation >40' Above Floor, Add	*21.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	58.30	18.69
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.31*	
		For Elevated Installation >40' Above Floor, Add	*25.64*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	74.10	21.66
		For Work In Restricted Working Space, Add	*16.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.06*	
		For Elevated Installation >40' Above Floor, Add	*29.76*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	85.96	24.88
		For Work In Restricted Working Space, Add	*18.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.06*	
		For Elevated Installation >40' Above Floor, Add	*34.16*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	101.10	27.36
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.16*	
		For Elevated Installation >40' Above Floor, Add	*37.58*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	141.46	34.17
		For Work In Restricted Working Space, Add	*25.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	194.09	46.55
		For Work In Restricted Working Space, Add	*34.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.18*	
		For Elevated Installation >40' Above Floor, Add	*64.00*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	254.22	52.49
		For Work In Restricted Working Space, Add	*39.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*65.63*	
		For Elevated Installation >40' Above Floor, Add	*72.19*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	310.22	68.33
		For Work In Restricted Working Space, Add	*51.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.41*	
		For Elevated Installation >40' Above Floor, Add	*93.95*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	535.67	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.29*	
		For Elevated Installation >40' Above Floor, Add	*153.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	805.27	167.38
		For Work In Restricted Working Space, Add	*125.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*41.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*83.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*104.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*146.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*167.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*209.21*	
		For Elevated Installation >40' Above Floor, Add	*230.13*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	89.00	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	102.59	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	118.54	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	133.38	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	96.23	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	111.87	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	122.77	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	138.10	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	183.01	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	246.46	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	96.57	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	110.96	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	127.34	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	148.33	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	192.54	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	254.15	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	315.99	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	384.55	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	108.08	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	122.25	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	135.80	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	160.80	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	209.55	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	280.81	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	341.91	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	405.22	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	107.38	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	130.65	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	144.90	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	172.69	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	225.87	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	301.87	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	367.54	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	443.15	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	646.04	181.06
		For Work In Restricted Working Space, Add	*108.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	113.53	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	134.79	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	160.83	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	181.97	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	245.22	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	319.88	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	400.64	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	461.00	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	791.65	181.06
		For Work In Restricted Working Space, Add	*108.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,015.87	271.99
		For Work In Restricted Working Space, Add	*163.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	122.54	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	145.79	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	172.53	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	194.20	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	260.02	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	346.26	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	427.10	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	537.14	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	896.69	181.06
		For Work In Restricted Working Space, Add	*108.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,106.83	271.99
		For Work In Restricted Working Space, Add	*163.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	130.04	30.57
		For Work In Restricted Working Space, Add	*18.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	154.27	35.41
		For Work In Restricted Working Space, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	179.92	40.24
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	217.04	44.26
		For Work In Restricted Working Space, Add	*26.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	287.32	55.53
		For Work In Restricted Working Space, Add	*33.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	372.85	75.64
		For Work In Restricted Working Space, Add	*45.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	460.37	85.30
		For Work In Restricted Working Space, Add	*51.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	577.56	111.05
		For Work In Restricted Working Space, Add	*66.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	929.58	181.06
		For Work In Restricted Working Space, Add	*108.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,125.23	271.99
		For Work In Restricted Working Space, Add	*163.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.19	7.90
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.89*	
		For Elevated Installation >40' Above Floor, Add	*8.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.38	8.42
		For Work In Restricted Working Space, Add	*5.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.42*	
		For Elevated Installation >40' Above Floor, Add	*9.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.05*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	19.75	9.47
		For Work In Restricted Working Space, Add	*5.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.47*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	22.22	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	27.92	13.15
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.16*	
		For Elevated Installation >40' Above Floor, Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	34.56	15.78
		For Work In Restricted Working Space, Add	*9.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.79*	
		For Elevated Installation >40' Above Floor, Add	*17.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	43.43	18.41
		For Work In Restricted Working Space, Add	*11.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.42*	
		For Elevated Installation >40' Above Floor, Add	*20.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.05*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	49.05	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	57.01	19.81
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.68*	
		For Elevated Installation >40' Above Floor, Add	*26.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	63.27	26.31
		For Work In Restricted Working Space, Add	*15.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.31*	
		For Elevated Installation >40' Above Floor, Add	*28.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.79*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	76.03	28.94
		For Work In Restricted Working Space, Add	*17.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.94*	
		For Elevated Installation >40' Above Floor, Add	*31.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.36*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	109.09	31.57
		For Work In Restricted Working Space, Add	*18.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.57*	
		For Elevated Installation >40' Above Floor, Add	*34.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	19.58	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.28	9.90
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	24.85	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	27.92	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	35.63	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	42.17	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	59.13	21.66
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	70.25	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	104.12	27.85
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	140.41	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	187.18	34.05
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	275.28	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.28*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	20.77	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	23.08	9.90
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	27.11	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.74	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	39.60	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	49.22	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.69	21.66
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	81.46	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	106.21	27.85
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	149.76	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	197.36	34.05
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	278.86	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.28*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	31.16	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	34.89	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.86	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	47.29	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	57.24	19.19
		For Work In Restricted Working Space, Add	*11.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.19*	
		For Elevated Installation >40' Above Floor, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	72.01	22.90
		For Work In Restricted Working Space, Add	*13.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.91*	
		For Elevated Installation >40' Above Floor, Add	*25.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.74*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	96.03	26.62
		For Work In Restricted Working Space, Add	*15.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.62*	
		For Elevated Installation >40' Above Floor, Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.97*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	106.06	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	119.90	34.67
		For Work In Restricted Working Space, Add	*20.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.67*	
		For Elevated Installation >40' Above Floor, Add	*38.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	154.16	38.38
		For Work In Restricted Working Space, Add	*23.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.38*	
		For Elevated Installation >40' Above Floor, Add	*42.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.03*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	217.44	42.09
		For Work In Restricted Working Space, Add	*25.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.10*	
		For Elevated Installation >40' Above Floor, Add	*46.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.26*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	298.25	46.43
		For Work In Restricted Working Space, Add	*27.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.43*	
		For Elevated Installation >40' Above Floor, Add	*51.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.86*	
26 05 33 13-0225		**Rigid Galvanized Steel (RGS) Box Connectors With Set Screw** *(26 05 33 13-0060)*		
26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.55	5.70
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.07*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	22.50	6.56
		For Work In Restricted Working Space, Add	*4.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.18*	
		For Elevated Installation >40' Above Floor, Add	*9.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.91*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	29.52	7.93
		For Work In Restricted Working Space, Add	*5.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.87*	
		For Elevated Installation >40' Above Floor, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.92*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	43.71	9.78
		For Work In Restricted Working Space, Add	*7.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.26*	
		For Elevated Installation >40' Above Floor, Add	*13.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	59.20	13.12
		For Work In Restricted Working Space, Add	*9.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.42*	
		For Elevated Installation >40' Above Floor, Add	*18.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.85*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	100.87	19.69
		For Work In Restricted Working Space, Add	*14.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.59*	
		For Elevated Installation >40' Above Floor, Add	*27.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.75*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	182.39	21.78
		For Work In Restricted Working Space, Add	*16.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.24*	
		For Elevated Installation >40' Above Floor, Add	*29.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.34*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	217.37	26.37
		For Work In Restricted Working Space, Add	*19.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.99*	
		For Elevated Installation >40' Above Floor, Add	*36.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	294.03	33.05
		For Work In Restricted Working Space, Add	*24.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.30*	
		For Elevated Installation >40' Above Floor, Add	*45.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.78*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	344.41	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	606.03	44.07
		For Work In Restricted Working Space, Add	*33.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.03*	
		For Elevated Installation >40' Above Floor, Add	*60.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.02*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	724.15	49.52
		For Work In Restricted Working Space, Add	*37.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.89*	
		For Elevated Installation >40' Above Floor, Add	*68.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.13*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	18.03	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.76	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	26.57	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	31.11	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	35.55	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.19	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.00	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	26.84	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.48	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	36.14	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	40.94	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.34*	
		For Elevated Installation >40' Above Floor, Add	*19.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.36	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	21.22	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	27.22	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.81	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.54	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	41.91	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	57.06	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	76.59	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.58	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.33	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	27.71	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	32.44	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	37.37	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	42.92	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	59.79	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	78.95	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	18.78	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	21.71	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	28.02	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.75	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	37.94	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	43.78	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	60.63	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	80.70	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	93.02	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	116.18	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	19.10	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	22.18	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	28.62	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	33.62	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	38.79	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	45.30	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	64.00	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	84.36	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	96.65	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	121.49	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	187.63	58.80
		For Work In Restricted Working Space, Add	*35.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.80*	
		For Elevated Installation >40' Above Floor, Add	*64.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	238.16	75.40
		For Work In Restricted Working Space, Add	*45.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.44*	
		For Elevated Installation >40' Above Floor, Add	*82.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.26*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.69	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.78	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	29.09	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	34.42	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	40.59	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	46.82	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	66.96	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	88.07	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	101.09	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	125.70	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	193.80	58.80
		For Work In Restricted Working Space, Add	*35.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.80*	
		For Elevated Installation >40' Above Floor, Add	*64.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	247.19	75.40
		For Work In Restricted Working Space, Add	*45.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.44*	
		For Elevated Installation >40' Above Floor, Add	*82.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.26*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	21.83	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	25.51	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	32.31	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	39.00	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	45.69	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	52.21	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	74.80	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	97.08	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	110.07	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	135.62	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	208.11	58.80
		For Work In Restricted Working Space, Add	*35.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.80*	
		For Elevated Installation >40' Above Floor, Add	*64.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	263.26	75.40
		For Work In Restricted Working Space, Add	*45.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.44*	
		For Elevated Installation >40' Above Floor, Add	*82.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.26*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	23.27	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	26.91	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	34.87	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	42.04	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	48.69	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	55.68	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	80.07	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	104.15	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	119.39	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	147.43	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	223.72	58.80
		For Work In Restricted Working Space, Add	*35.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.80*	
		For Elevated Installation >40' Above Floor, Add	*64.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	291.33	75.40
		For Work In Restricted Working Space, Add	*45.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.44*	
		For Elevated Installation >40' Above Floor, Add	*82.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.26*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	24.37	8.05
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	27.94	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	36.41	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	44.48	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	50.19	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	58.59	17.33
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.33*	
		For Elevated Installation >40' Above Floor, Add	*19.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	86.27	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	113.99	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.09*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	128.46	32.81
		For Work In Restricted Working Space, Add	*19.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.81*	
		For Elevated Installation >40' Above Floor, Add	*36.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	159.25	42.72
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	246.14	58.80
		For Work In Restricted Working Space, Add	*35.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.80*	
		For Elevated Installation >40' Above Floor, Add	*64.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	306.94	75.40
		For Work In Restricted Working Space, Add	*45.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.44*	
		For Elevated Installation >40' Above Floor, Add	*82.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.26*	
26 05 33 13-0336		**Rigid Galvanized Steel (RGS) Off-Set Nipples** *(26 05 33 13-0060)*		
26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	18.58	6.44
		For Work In Restricted Working Space, Add	*4.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.11*	
		For Elevated Installation >40' Above Floor, Add	*8.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.87*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	22.07	7.43
		For Work In Restricted Working Space, Add	*5.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.23*	
		For Elevated Installation >40' Above Floor, Add	*10.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	27.74	9.41
		For Work In Restricted Working Space, Add	*7.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.81*	
		For Elevated Installation >40' Above Floor, Add	*12.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.09*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	34.96	11.27
		For Work In Restricted Working Space, Add	*8.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.16*	
		For Elevated Installation >40' Above Floor, Add	*15.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	38.28	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.49*	
		For Elevated Installation >40' Above Floor, Add	*17.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	49.74	15.23
		For Work In Restricted Working Space, Add	*11.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.08*	
		For Elevated Installation >40' Above Floor, Add	*20.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.45*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	81.22	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	129.30	34.17
		For Work In Restricted Working Space, Add	*25.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.63*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	159.59	40.36
		For Work In Restricted Working Space, Add	*30.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.17*	
		For Elevated Installation >40' Above Floor, Add	*55.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.10*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	190.92	46.55
		For Work In Restricted Working Space, Add	*34.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.20*	
		For Elevated Installation >40' Above Floor, Add	*64.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.92*	
26 05 33 13-0347		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*		
		Note: Erickson fittings.		
26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	52.35	19.81
		For Work In Restricted Working Space, Add	*14.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.79*	
		For Elevated Installation >40' Above Floor, Add	*27.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.87*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	58.88	22.16
		For Work In Restricted Working Space, Add	*16.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.67*	
		For Elevated Installation >40' Above Floor, Add	*30.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.60*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	68.19	24.63
		For Work In Restricted Working Space, Add	*18.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.82*	
		For Elevated Installation >40' Above Floor, Add	*33.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	81.43	26.99
		For Work In Restricted Working Space, Add	*20.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.73*	
		For Elevated Installation >40' Above Floor, Add	*37.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	90.54	29.46
		For Work In Restricted Working Space, Add	*22.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.90*	
		For Elevated Installation >40' Above Floor, Add	*40.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	113.46	31.94
		For Work In Restricted Working Space, Add	*23.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.96*	
		For Elevated Installation >40' Above Floor, Add	*43.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.97*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	176.75	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	241.75	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	345.07	59.42
		For Work In Restricted Working Space, Add	*44.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.31*	
		For Elevated Installation >40' Above Floor, Add	*81.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.58*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	391.95	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	672.21	79.23
		For Work In Restricted Working Space, Add	*59.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.03*	
		For Elevated Installation >40' Above Floor, Add	*108.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.42*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	861.02	91.61
		For Work In Restricted Working Space, Add	*68.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*80.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*91.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*114.50*	
		For Elevated Installation >40' Above Floor, Add	*125.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.70*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.09	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	34.72	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	39.87	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.03*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	45.18	13.37
		For Work In Restricted Working Space, Add	*10.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.71*	
		For Elevated Installation >40' Above Floor, Add	*18.38*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	53.55	14.86
		For Work In Restricted Working Space, Add	*11.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.58*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	65.10	16.35
		For Work In Restricted Working Space, Add	*12.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.43*	
		For Elevated Installation >40' Above Floor, Add	*22.47*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	88.38	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	109.32	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	131.32	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	148.21	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	27.17	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	30.27	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	37.41	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	45.92	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	59.17	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	68.60	27.85
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	83.79	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	112.32	38.99
		For Work In Restricted Working Space, Add	*23.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.00*	
		For Elevated Installation >40' Above Floor, Add	*42.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	133.49	47.04
		For Work In Restricted Working Space, Add	*28.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.05*	
		For Elevated Installation >40' Above Floor, Add	*51.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.23*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	163.37	55.71
		For Work In Restricted Working Space, Add	*33.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.71*	
		For Elevated Installation >40' Above Floor, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.43*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	137.76	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.77*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	156.43	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	185.82	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.96*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	228.59	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	288.77	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	402.20	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.23*	
		For Elevated Installation >40' Above Floor, Add	*44.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	619.15	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	793.68	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,163.00	59.42
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.29*	
		For Elevated Installation >40' Above Floor, Add	*81.72*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,239.39	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,904.93	79.23
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,343.22	87.90
		For Work In Restricted Working Space, Add	*65.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*87.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*109.94*	
		For Elevated Installation >40' Above Floor, Add	*120.93*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	152.51	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.77*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	169.50	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	206.33	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.96*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	260.89	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	352.94	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	432.86	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.23*	
		For Elevated Installation >40' Above Floor, Add	*44.25*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	817.94	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	929.42	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,431.26	59.42
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.29*	
		For Elevated Installation >40' Above Floor, Add	*81.72*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,549.45	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,166.29	79.23
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,679.48	87.90
		For Work In Restricted Working Space, Add	*65.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*87.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*109.94*	
		For Elevated Installation >40' Above Floor, Add	*120.93*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*
Note: Type EX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	174.10	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.77*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	220.40	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	275.09	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.96*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	335.34	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	453.76	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	627.68	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.23*	
		For Elevated Installation >40' Above Floor, Add	*44.25*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	978.33	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,319.94	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,986.70	59.42
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.29*	
		For Elevated Installation >40' Above Floor, Add	*81.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,055.37	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,098.89	79.23
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,844.93	87.90
		For Work In Restricted Working Space, Add	*65.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*87.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*109.94*	
		For Elevated Installation >40' Above Floor, Add	*120.93*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	307.22	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.77*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	366.39	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	443.56	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.96*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	522.01	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	577.39	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	714.99	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.23*	
		For Elevated Installation >40' Above Floor, Add	*44.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	945.91	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,199.83	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,348.91	59.42
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.29*	
		For Elevated Installation >40' Above Floor, Add	*81.72*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,638.06	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,811.11	79.23
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	4,481.34	87.90
		For Work In Restricted Working Space, Add	*65.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*87.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*109.94*	
		For Elevated Installation >40' Above Floor, Add	*120.93*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	77.89	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	89.46	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.03*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	110.40	14.86
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	155.39	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	235.50	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	405.36	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	86.99	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	100.96	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.03*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	120.93	14.86
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	169.37	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	254.05	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	465.17	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	105.80	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	125.84	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.28*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	152.92	43.33
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	179.50	49.52
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	232.56	55.71
		For Work In Restricted Working Space, Add	*33.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.71*	
		For Elevated Installation >40' Above Floor, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.43*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	280.76	61.90
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	392.42	74.28
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.28*	
		For Elevated Installation >40' Above Floor, Add	*81.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.57*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	471.21	86.66
		For Work In Restricted Working Space, Add	*52.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*43.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*60.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*69.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*86.66*	
		For Elevated Installation >40' Above Floor, Add	*95.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,057.22	99.04
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.43*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,217.15	111.42
		For Work In Restricted Working Space, Add	*66.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.42*	
		For Elevated Installation >40' Above Floor, Add	*122.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.85*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	16.31	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	22.86	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	30.00	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	34.45	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	41.52	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	48.62	21.04
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	61.70	23.52
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	72.29	26.62
		For Work In Restricted Working Space, Add	*15.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.62*	
		For Elevated Installation >40' Above Floor, Add	*29.28*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	83.94	29.09
		For Work In Restricted Working Space, Add	*17.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.10*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	88.72	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0469		**Rigid Galvanized Steel (RGS) Sealing Locknut** *(26 05 33 13-0060)*		
26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.76	1.23
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	5.19	1.86
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	8.63	3.09
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	12.48	4.33
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.93	4.96
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	17.55	5.57
26 05 33 13-0476		**Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0060)*		
26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	212.45	15.03
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.78*	
		For Elevated Installation >40' Above Floor, Add	*20.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.27*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	216.08	16.47
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.60*	
		For Elevated Installation >40' Above Floor, Add	*22.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	259.15	18.07
		For Work In Restricted Working Space, Add	*13.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.55*	
		For Elevated Installation >40' Above Floor, Add	*24.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.53*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	284.49	19.81
		For Work In Restricted Working Space, Add	*14.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.78*	
		For Elevated Installation >40' Above Floor, Add	*27.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	324.58	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	479.59	24.76
		For Work In Restricted Working Space, Add	*18.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.97*	
		For Elevated Installation >40' Above Floor, Add	*34.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.58*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	552.45	33.05
		For Work In Restricted Working Space, Add	*24.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.29*	
		For Elevated Installation >40' Above Floor, Add	*45.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.77*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	612.82	36.27
		For Work In Restricted Working Space, Add	*27.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.38*	
		For Elevated Installation >40' Above Floor, Add	*49.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.23*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	712.50	39.62
		For Work In Restricted Working Space, Add	*29.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.53*	
		For Elevated Installation >40' Above Floor, Add	*54.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.72*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	803.17	44.57
		For Work In Restricted Working Space, Add	*33.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.71*	
		For Elevated Installation >40' Above Floor, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.43*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,076.58	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,338.19	54.97
		For Work In Restricted Working Space, Add	*41.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*54.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*68.71*	
		For Elevated Installation >40' Above Floor, Add	*75.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.23*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.18	9.59
		For Work In Restricted Working Space, Add	*5.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.60*	
		For Elevated Installation >40' Above Floor, Add	*10.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.76*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	22.25	10.21
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.22*	
		For Elevated Installation >40' Above Floor, Add	*11.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	22.86	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.31*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	26.38	10.84
		For Work In Restricted Working Space, Add	*6.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.83*	
		For Elevated Installation >40' Above Floor, Add	*11.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	27.01	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	28.24	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	30.48	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	31.10	12.69
		For Work In Restricted Working Space, Add	*7.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.69*	
		For Elevated Installation >40' Above Floor, Add	*13.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	32.34	13.31
		For Work In Restricted Working Space, Add	*7.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.31*	
		For Elevated Installation >40' Above Floor, Add	*14.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.99*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	33.57	13.93
		For Work In Restricted Working Space, Add	*8.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.93*	
		For Elevated Installation >40' Above Floor, Add	*15.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.41	13.93
		For Work In Restricted Working Space, Add	*8.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.93*	
		For Elevated Installation >40' Above Floor, Add	*15.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.36*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	41.04	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.24*	
		For Elevated Installation >40' Above Floor, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	42.27	14.86
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.86*	
		For Elevated Installation >40' Above Floor, Add	*16.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.91*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	43.51	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	46.61	17.02
		For Work In Restricted Working Space, Add	*10.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.03*	
		For Elevated Installation >40' Above Floor, Add	*18.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	58.85	20.12
		For Work In Restricted Working Space, Add	*12.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.57	1.23
		For Work In Restricted Working Space, Add	*0.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.24*	
		For Elevated Installation >40' Above Floor, Add	*1.36*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.84	1.86
		For Work In Restricted Working Space, Add	*1.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.86*	
		For Elevated Installation >40' Above Floor, Add	*2.04*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	6.40	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	9.02	4.33
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.35	4.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
		For Elevated Installation >40' Above Floor, Add	*5.45*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	11.70	5.57
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.57*	
		For Elevated Installation >40' Above Floor, Add	*6.13*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	16.35	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	20.21	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	23.77	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	26.66	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
26 05 33 13-0517		Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*		
26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.84	1.23
		For Work In Restricted Working Space, Add	*0.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.24*	
		For Elevated Installation >40' Above Floor, Add	*1.36*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.34	1.86
		For Work In Restricted Working Space, Add	*1.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.86*	
		For Elevated Installation >40' Above Floor, Add	*2.04*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.53	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.92	4.33
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.46	4.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
		For Elevated Installation >40' Above Floor, Add	*5.45*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.79	5.57
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.57*	
		For Elevated Installation >40' Above Floor, Add	*6.13*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	23.49	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	29.53	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	38.83	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	46.47	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.83	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.60	4.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
		For Elevated Installation >40' Above Floor, Add	*5.45*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	17.36	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	25.37	9.90
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.58	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	32.47	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	44.61	14.86
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.86*	
		For Elevated Installation >40' Above Floor, Add	*16.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	54.21	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	67.15	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	81.83	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	26.30	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	31.22	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	41.04	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	56.14	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	75.83	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	112.38	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	190.73	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	241.04	43.33
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	306.97	52.62
		For Work In Restricted Working Space, Add	*31.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*52.62*	
		For Elevated Installation >40' Above Floor, Add	*57.88*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	370.78	61.90
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	37.43	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	47.52	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	67.63	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	88.71	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	109.19	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	163.00	43.33
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	259.84	49.52
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	298.46	42.72
		For Work In Restricted Working Space, Add	*25.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	410.44	64.99
		For Work In Restricted Working Space, Add	*39.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*65.00*	
		For Elevated Installation >40' Above Floor, Add	*71.49*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	507.42	74.28
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.28*	
		For Elevated Installation >40' Above Floor, Add	*81.71*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.48	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.81	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	9.27	4.33
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.93	5.57
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.57*	
		For Elevated Installation >40' Above Floor, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	13.48	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	16.40	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.92	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	9.44	3.71
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	11.45	4.33
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	14.71	5.57
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.57*	
		For Elevated Installation >40' Above Floor, Add	*6.13*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	18.08	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	21.87	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	26.83	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	31.35	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	38.04	11.76
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	44.63	12.99
		For Work In Restricted Working Space, Add	*7.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.00*	
		For Elevated Installation >40' Above Floor, Add	*14.30*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	15.30	7.43
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	18.07	8.67
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	22.65	10.53
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.31*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	27.56	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	34.55	15.47
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	42.99	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	54.45	21.66
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	60.93	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	75.88	27.85
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	104.16	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	29.96	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	34.80	12.99
		For Work In Restricted Working Space, Add	*7.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.00*	
		For Elevated Installation >40' Above Floor, Add	*14.30*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	44.32	14.86
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.86*	
		For Elevated Installation >40' Above Floor, Add	*16.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	56.81	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	75.80	22.29
		For Work In Restricted Working Space, Add	*13.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.29*	
		For Elevated Installation >40' Above Floor, Add	*24.51*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	101.43	26.00
		For Work In Restricted Working Space, Add	*15.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.00*	
		For Elevated Installation >40' Above Floor, Add	*28.60*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	141.02	29.71
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	247.14	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0599		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)* Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0600		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".		
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	6.31	2.23
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.49*	
		For Installation In Metal Stud Wall, Add	*0.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.39*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.84*	
		For Work In Restricted Working Space, Add	*1.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.79*	
		For Elevated Installation >40' Above Floor, Add	*3.06*	
		For Factory Applied Color Coating, Add	*0.22*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	7.35	2.48
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.58*	
		For Installation In Metal Stud Wall, Add	*0.62*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.55*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
		For Factory Applied Color Coating, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	8.75	2.72
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000, Deduct	*-0.70*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.70*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.02*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Factory Applied Color Coating, Add	*0.58*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	10.74	3.07
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.88*	
		For Installation In Metal Stud Wall, Add	*0.77*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.92*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.15*	
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.84*	
		For Elevated Installation >40' Above Floor, Add	*4.22*	
		For Factory Applied Color Coating, Add	*0.92*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	12.48	3.46
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-1.03*	
		For Installation In Metal Stud Wall, Add	*0.87*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.17*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.30*	
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Factory Applied Color Coating, Add	*1.14*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	14.42	3.96
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.19*	
		For Installation In Metal Stud Wall, Add	*0.99*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.48*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
		For Elevated Installation >40' Above Floor, Add	*5.45*	
		For Factory Applied Color Coating, Add	*1.36*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	18.45	4.71
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.55*	
		For Installation In Metal Stud Wall, Add	*1.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.94*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.76*	
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.47*	
		For Factory Applied Color Coating, Add	*2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	22.00	5.45
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.86*	
		For Installation In Metal Stud Wall, Add	*1.36*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.41*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.04*	
		For Work In Restricted Working Space, Add	*4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.81*	
		For Elevated Installation >40' Above Floor, Add	*7.49*	
		For Factory Applied Color Coating, Add	*2.51*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	27.28	6.44
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000, Deduct	*-2.33*	
		For Installation In Metal Stud Wall, Add	*1.61*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.02*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.41*	
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Factory Applied Color Coating, Add	*3.36*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	36.83	9.69
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-3.08*	
		For Installation In Metal Stud Wall, Add	*2.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.06*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.63*	
		For Work In Restricted Working Space, Add	*7.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.11*	
		For Elevated Installation >40' Above Floor, Add	*13.32*	
		For Factory Applied Color Coating, Add	*3.78*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.74	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.81*	
		For Elevated Installation >40' Above Floor, Add	*7.49*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	16.74	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	20.29	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	22.25	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	26.42	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	34.59	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.24*	
		For Elevated Installation >40' Above Floor, Add	*15.66*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	45.69	12.87
		For Work In Restricted Working Space, Add	*9.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.10*	
		For Elevated Installation >40' Above Floor, Add	*17.70*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	57.70	14.36
		For Work In Restricted Working Space, Add	*10.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.95*	
		For Elevated Installation >40' Above Floor, Add	*19.75*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	65.41	15.84
		For Work In Restricted Working Space, Add	*11.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.81*	
		For Elevated Installation >40' Above Floor, Add	*21.79*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	141.01	42.38
		For Work In Restricted Working Space, Add	*31.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*52.98*	
		For Elevated Installation >40' Above Floor, Add	*58.28*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-1869 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.51	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.81*	
		For Elevated Installation >40' Above Floor, Add	*7.49*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	16.88	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	20.59	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	22.81	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	27.14	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	34.36	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.24*	
		For Elevated Installation >40' Above Floor, Add	*15.66*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	47.76	12.87
		For Work In Restricted Working Space, Add	*9.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.10*	
		For Elevated Installation >40' Above Floor, Add	*17.70*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	59.34	14.36
		For Work In Restricted Working Space, Add	*10.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.95*	
		For Elevated Installation >40' Above Floor, Add	*19.75*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	69.86	15.84
		For Work In Restricted Working Space, Add	*11.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.81*	
		For Elevated Installation >40' Above Floor, Add	*21.79*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	137.89	42.38
		For Work In Restricted Working Space, Add	*31.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*52.98*	
		For Elevated Installation >40' Above Floor, Add	*58.28*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.43	2.97
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.79	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.21	3.46
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.33*	
		For Elevated Installation >40' Above Floor, Add	*4.76*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.33	4.46
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.57*	
		For Elevated Installation >40' Above Floor, Add	*6.13*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	15.20	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.82*	
		For Elevated Installation >40' Above Floor, Add	*7.50*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	20.66	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	28.43	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	36.65	11.39
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	41.66	12.38
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	121.73	35.12
		For Work In Restricted Working Space, Add	*34.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*56.84*	
		For Elevated Installation >40' Above Floor, Add	*62.52*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	8.03	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	9.33	3.46
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	13.30	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	16.79	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	20.04	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	26.55	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	40.85	11.88
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.86*	
		For Elevated Installation >40' Above Floor, Add	*16.34*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	47.33	13.87
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.34*	
		For Elevated Installation >40' Above Floor, Add	*19.07*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	59.17	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	75.91	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.90	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	10.28	3.46
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	15.11	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	18.98	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	23.94	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	29.15	8.42
		For Work In Restricted Working Space, Add	*6.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.31*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	39.27	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.24*	
		For Elevated Installation >40' Above Floor, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	49.33	13.87
		For Work In Restricted Working Space, Add	*10.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.34*	
		For Elevated Installation >40' Above Floor, Add	*19.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	64.54	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	79.42	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	8.38	3.34
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.15*	
		For Elevated Installation >40' Above Floor, Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	9.17	3.59
		For Work In Restricted Working Space, Add	*2.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.52*	
		For Elevated Installation >40' Above Floor, Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	11.43	4.46
		For Work In Restricted Working Space, Add	*3.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.51*	
		For Elevated Installation >40' Above Floor, Add	*6.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	14.62	5.70
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	17.26	6.56
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	21.14	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	30.34	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.74*	
		For Elevated Installation >40' Above Floor, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	40.28	14.61
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.32*	
		For Elevated Installation >40' Above Floor, Add	*20.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.99*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	51.66	18.81
		For Work In Restricted Working Space, Add	*14.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.59*	
		For Elevated Installation >40' Above Floor, Add	*25.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	66.90	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.39	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.86*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.74	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	9.22	3.46
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	13.38	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	16.32	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	20.73	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	30.78	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	38.31	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	45.41	14.86
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	52.91	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.62	3.34
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.15*	
		For Elevated Installation >40' Above Floor, Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.55	3.59
		For Work In Restricted Working Space, Add	*2.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.52*	
		For Elevated Installation >40' Above Floor, Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.94	4.46
		For Work In Restricted Working Space, Add	*3.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.51*	
		For Elevated Installation >40' Above Floor, Add	*6.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.64	5.70
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.50	6.56
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	22.59	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	36.60	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.74*	
		For Elevated Installation >40' Above Floor, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	47.54	14.61
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.32*	
		For Elevated Installation >40' Above Floor, Add	*20.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.99*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	60.80	18.81
		For Work In Restricted Working Space, Add	*14.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.59*	
		For Elevated Installation >40' Above Floor, Add	*25.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	76.90	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0699		**Electrical Metallic Tubing (EMT) Straight Box Compression Connectors** *(26 05 33 13-0599)*		
26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.74	2.97
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.14	3.46
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	13.05	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.13	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	19.11	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	24.88	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	37.50	11.88
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.86*	
		For Elevated Installation >40' Above Floor, Add	*16.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	47.33	14.86
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	59.04	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	66.56	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.83	3.34
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.15*	
		For Elevated Installation >40' Above Floor, Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.78	3.59
		For Work In Restricted Working Space, Add	*2.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.52*	
		For Elevated Installation >40' Above Floor, Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	12.12	4.46
		For Work In Restricted Working Space, Add	*3.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.51*	
		For Elevated Installation >40' Above Floor, Add	*6.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	16.18	5.70
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	19.39	6.56
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	23.88	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.91*	
		For Elevated Installation >40' Above Floor, Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	41.30	11.02
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.74*	
		For Elevated Installation >40' Above Floor, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	55.44	14.61
		For Work In Restricted Working Space, Add	*10.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.32*	
		For Elevated Installation >40' Above Floor, Add	*20.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.99*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	74.64	18.81
		For Work In Restricted Working Space, Add	*14.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.59*	
		For Elevated Installation >40' Above Floor, Add	*25.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.15*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	94.03	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	62.99	16.47
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.60*	
		For Elevated Installation >40' Above Floor, Add	*22.66*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	75.94	19.93
		For Work In Restricted Working Space, Add	*14.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.97*	
		For Elevated Installation >40' Above Floor, Add	*27.47*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	93.47	25.01
		For Work In Restricted Working Space, Add	*18.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.22*	
		For Elevated Installation >40' Above Floor, Add	*34.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	120.28	30.70
		For Work In Restricted Working Space, Add	*23.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.40*	
		For Elevated Installation >40' Above Floor, Add	*42.24*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	148.67	36.02
		For Work In Restricted Working Space, Add	*27.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.04*	
		For Elevated Installation >40' Above Floor, Add	*49.54*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	185.87	43.83
		For Work In Restricted Working Space, Add	*32.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.84*	
		For Elevated Installation >40' Above Floor, Add	*60.32*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	344.83	56.33
		For Work In Restricted Working Space, Add	*42.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*70.43*	
		For Elevated Installation >40' Above Floor, Add	*77.47*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	420.64	65.86
		For Work In Restricted Working Space, Add	*49.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.35*	
		For Elevated Installation >40' Above Floor, Add	*90.59*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	513.30	71.80
		For Work In Restricted Working Space, Add	*53.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*71.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*89.78*	
		For Elevated Installation >40' Above Floor, Add	*98.76*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	556.13	79.23
		For Work In Restricted Working Space, Add	*59.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.08*	
		For Elevated Installation >40' Above Floor, Add	*108.98*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.32	4.46
		For Work In Restricted Working Space, Add	*3.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.50*	
		For Elevated Installation >40' Above Floor, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.03	4.46
		For Work In Restricted Working Space, Add	*3.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.50*	
		For Elevated Installation >40' Above Floor, Add	*6.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.54	4.83
		For Work In Restricted Working Space, Add	*3.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.11*	
		For Elevated Installation >40' Above Floor, Add	*6.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.66*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.88	5.57
		For Work In Restricted Working Space, Add	*4.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.39*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.95*	
		For Elevated Installation >40' Above Floor, Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.17*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.57	6.68
		For Work In Restricted Working Space, Add	*5.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.41*	
		For Elevated Installation >40' Above Floor, Add	*9.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.04*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	28.63	7.68
		For Work In Restricted Working Space, Add	*5.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.61*	
		For Elevated Installation >40' Above Floor, Add	*10.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	37.14	9.65
		For Work In Restricted Working Space, Add	*7.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.01*	
		For Elevated Installation >40' Above Floor, Add	*13.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.20*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	25.71	11.14
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.96	12.99
		For Work In Restricted Working Space, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	36.79	14.86
		For Work In Restricted Working Space, Add	*8.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.91*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	46.88	18.57
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.14*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.73	2.48
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.23*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.61*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.97*	
		For Work In Restricted Working Space, Add	*1.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.22*	
		For Elevated Installation >40' Above Floor, Add	*3.54*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.41	2.72
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.27*	
		For Installation In Metal Stud Wall, Add	*0.77*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.92*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.15*	
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.84*	
		For Elevated Installation >40' Above Floor, Add	*4.22*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	13.86	2.97
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stud Wall, Add	*0.97*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.41*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.83*	
		For Elevated Installation >40' Above Floor, Add	*5.31*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	15.99	5.94
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.66*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.60*	
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.33*	
		For Elevated Installation >40' Above Floor, Add	*5.86*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	17.94	3.96
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.63*	
		For Installation In Metal Stud Wall, Add	*1.16*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.91*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.75*	
		For Work In Restricted Working Space, Add	*3.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.82*	
		For Elevated Installation >40' Above Floor, Add	*6.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	22.66	4.46
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.85*	
		For Installation In Metal Stud Wall, Add	*1.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	37.63	5.94
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For Installation In Metal Stud Wall, Add	*1.87*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.67*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.80*	
		For Work In Restricted Working Space, Add	*5.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.35*	
		For Elevated Installation >40' Above Floor, Add	*10.28*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	48.07	7.43
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For Installation In Metal Stud Wall, Add	*2.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.19*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	55.35	8.91
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.70*	
		For Installation In Metal Stud Wall, Add	*2.84*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.09*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.25*	
		For Work In Restricted Working Space, Add	*8.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.18*	
		For Elevated Installation >40' Above Floor, Add	*15.59*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	64.82	10.40
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.18*	
		For Installation In Metal Stud Wall, Add	*3.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.26*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.96*	
		For Work In Restricted Working Space, Add	*9.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.53*	
		For Elevated Installation >40' Above Floor, Add	*18.18*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-1869 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	42.80	12.25
		For Work In Restricted Working Space, Add	*9.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.37*	
		For Elevated Installation >40' Above Floor, Add	*16.90*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	51.76	15.23
		For Work In Restricted Working Space, Add	*11.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.11*	
		For Elevated Installation >40' Above Floor, Add	*21.02*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	65.86	18.69
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.31*	
		For Elevated Installation >40' Above Floor, Add	*25.64*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	81.10	21.66
		For Work In Restricted Working Space, Add	*16.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.06*	
		For Elevated Installation >40' Above Floor, Add	*29.76*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	96.24	24.88
		For Work In Restricted Working Space, Add	*18.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.06*	
		For Elevated Installation >40' Above Floor, Add	*34.16*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	117.46	27.36
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.16*	
		For Elevated Installation >40' Above Floor, Add	*37.58*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	168.85	34.17
		For Work In Restricted Working Space, Add	*25.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.71*	
		For Elevated Installation >40' Above Floor, Add	*46.98*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	244.08	46.55
		For Work In Restricted Working Space, Add	*34.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.18*	
		For Elevated Installation >40' Above Floor, Add	*64.00*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	356.73	52.49
		For Work In Restricted Working Space, Add	*39.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*65.63*	
		For Elevated Installation >40' Above Floor, Add	*72.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	432.36	68.33
		For Work In Restricted Working Space, Add	*51.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.41*	
		For Elevated Installation >40' Above Floor, Add	*93.95*	
26 05 33 13-0768		**Intermediate Metal Conduit (IMC) Bushing Sets With Locknut** *(26 05 33 13-0745)*		
26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.92	6.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.00	0.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	25.90	9.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	31.66	11.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	35.47	12.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	45.84	15.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	85.16	24.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	104.87	33.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.26*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	137.67	40.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.08*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	162.62	46.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.91*	
26 05 33 13-0779		**Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings** *(26 05 33 13-0745)*		
		Note: 3-Piece coupling.		
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	56.05	19.81
		For Work In Restricted Working Space, Add	*14.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.79*	
		For Elevated Installation >40' Above Floor, Add	*27.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.87*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	63.67	22.16
		For Work In Restricted Working Space, Add	*16.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.67*	
		For Elevated Installation >40' Above Floor, Add	*30.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.60*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	77.71	24.63
		For Work In Restricted Working Space, Add	*18.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.82*	
		For Elevated Installation >40' Above Floor, Add	*33.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	97.02	26.99
		For Work In Restricted Working Space, Add	*20.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.73*	
		For Elevated Installation >40' Above Floor, Add	*37.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	110.90	29.46
		For Work In Restricted Working Space, Add	*22.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.90*	
		For Elevated Installation >40' Above Floor, Add	*40.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.14*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	154.13	31.94
		For Work In Restricted Working Space, Add	*23.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.96*	
		For Elevated Installation >40' Above Floor, Add	*43.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.97*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	257.80	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	365.91	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	537.57	59.42
		For Work In Restricted Working Space, Add	*44.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.31*	
		For Elevated Installation >40' Above Floor, Add	*81.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.58*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	621.32	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.80	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	35.56	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.88	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.03*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	46.52	13.37
		For Work In Restricted Working Space, Add	*10.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.71*	
		For Elevated Installation >40' Above Floor, Add	*18.38*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	55.41	14.86
		For Work In Restricted Working Space, Add	*11.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.58*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	67.85	16.35
		For Work In Restricted Working Space, Add	*12.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.43*	
		For Elevated Installation >40' Above Floor, Add	*22.47*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	92.78	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	114.69	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	137.78	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	155.88	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.70	9.90
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.38*	
		For Elevated Installation >40' Above Floor, Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	35.36	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	43.66	14.86
		For Work In Restricted Working Space, Add	*11.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.58*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	52.55	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.67*	
		For Elevated Installation >40' Above Floor, Add	*23.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	61.39	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	72.85	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.85*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	90.63	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	106.79	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	130.64	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	149.95	34.67
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	176.54	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.77*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	195.42	22.29
		For Work In Restricted Working Space, Add	*16.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	217.18	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.96*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	261.77	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	319.95	29.71
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	419.25	32.19
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.23*	
		For Elevated Installation >40' Above Floor, Add	*44.25*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	631.20	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	759.23	49.52
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,056.36	59.42
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.29*	
		For Elevated Installation >40' Above Floor, Add	*81.72*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,220.79	64.38
		For Work In Restricted Working Space, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.46*	
		For Elevated Installation >40' Above Floor, Add	*88.51*	
26 05 33 13-0823		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*		
26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	110.77	30.95
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	131.68	37.14
		For Work In Restricted Working Space, Add	*22.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.28*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	160.43	43.33
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	188.62	49.52
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	246.29	55.71
		For Work In Restricted Working Space, Add	*33.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.71*	
		For Elevated Installation >40' Above Floor, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	298.54	61.90
		For Work In Restricted Working Space, Add	*37.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.90*	
		For Elevated Installation >40' Above Floor, Add	*68.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	420.05	74.28
		For Work In Restricted Working Space, Add	*44.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.28*	
		For Elevated Installation >40' Above Floor, Add	*81.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.57*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	504.95	86.66
		For Work In Restricted Working Space, Add	*52.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*43.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*60.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*69.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*86.66*	
		For Elevated Installation >40' Above Floor, Add	*95.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.00*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,154.54	99.04
		For Work In Restricted Working Space, Add	*59.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*49.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*69.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*79.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*99.05*	
		For Elevated Installation >40' Above Floor, Add	*108.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.43*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,329.79	111.42
		For Work In Restricted Working Space, Add	*66.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.42*	
		For Elevated Installation >40' Above Floor, Add	*122.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.85*	
26 05 33 13-0834		**Intermediate Metal Conduit (IMC) Threaded Couplings** *(26 05 33 13-0745)*		
26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	16.52	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	23.07	8.42
		For Work In Restricted Working Space, Add	*6.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.53*	
		For Elevated Installation >40' Above Floor, Add	*11.58*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	30.24	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.61*	
		For Elevated Installation >40' Above Floor, Add	*14.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	34.73	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.03*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	41.89	14.86
		For Work In Restricted Working Space, Add	*11.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.42*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	48.37	16.84
		For Work In Restricted Working Space, Add	*12.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.16*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	60.92	18.81
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	72.21	21.29
		For Work In Restricted Working Space, Add	*15.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.62*	
		For Elevated Installation >40' Above Floor, Add	*29.28*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	83.56	23.28
		For Work In Restricted Working Space, Add	*17.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.10*	
		For Elevated Installation >40' Above Floor, Add	*32.01*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	87.44	24.76
		For Work In Restricted Working Space, Add	*18.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.94*	
		For Elevated Installation >40' Above Floor, Add	*34.03*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	8.06	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	9.13	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0059)* Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0848)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.08	3.46
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Work In Restricted Working Space, Add	*2.60*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	16.16	3.96
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.95*	
		For Elevated Installation >40' Above Floor, Add	*5.45*	
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	20.49	4.96
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.19*	
		For Elevated Installation >40' Above Floor, Add	*6.81*	
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	25.14	5.94
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Work In Restricted Working Space, Add	*4.46*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	31.07	7.43
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.29*	
		For Elevated Installation >40' Above Floor, Add	*10.21*	
		For Work In Restricted Working Space, Add	*5.57*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	38.58	8.91
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.15*	
		For Elevated Installation >40' Above Floor, Add	*12.26*	
		For Work In Restricted Working Space, Add	*6.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	50.70	10.40
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.00*	
		For Elevated Installation >40' Above Floor, Add	*14.30*	
		For Work In Restricted Working Space, Add	*7.80*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	63.34	12.87
		For >250 To 500, Deduct	*-2.36*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.10*	
		For Elevated Installation >40' Above Floor, Add	*17.70*	
		For Work In Restricted Working Space, Add	*9.66*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	77.72	15.84
		For >250 To 500, Deduct	*-2.90*	
		For >500 To 1,000, Deduct	*-4.84*	
		For >1,000, Deduct	*-6.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.81*	
		For Elevated Installation >40' Above Floor, Add	*21.79*	
		For Work In Restricted Working Space, Add	*11.89*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	91.96	18.81
		For >250 To 500, Deduct	*-3.42*	
		For >500 To 1,000, Deduct	*-5.72*	
		For >1,000, Deduct	*-8.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Work In Restricted Working Space, Add	*14.11*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	135.32	22.29
		For >250 To 500, Deduct	*-5.37*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-12.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.86*	
		For Elevated Installation >40' Above Floor, Add	*30.64*	
		For Work In Restricted Working Space, Add	*16.71*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	183.37	29.71
		For >250 To 500, Deduct	*-7.31*	
		For >500 To 1,000, Deduct	*-11.90*	
		For >1,000, Deduct	*-16.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Work In Restricted Working Space, Add	*22.28*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.57	7.43
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.43*	
		For Elevated Installation >40' Above Floor, Add	*8.17*	
		For Work In Restricted Working Space, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	27.02	10.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.52*	
		For Elevated Installation >40' Above Floor, Add	*11.57*	
		For Work In Restricted Working Space, Add	*6.31*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	34.99	13.62
		For Elevated Installation >10' To 15' Above Floor, Add	*2.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.62*	
		For Elevated Installation >40' Above Floor, Add	*14.98*	
		For Work In Restricted Working Space, Add	*8.17*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	40.01	15.47
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Work In Restricted Working Space, Add	*9.29*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	47.91	18.57
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Work In Restricted Working Space, Add	*11.14*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	57.85	21.04
		For Elevated Installation >10' To 15' Above Floor, Add	*4.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.05*	
		For Elevated Installation >40' Above Floor, Add	*23.15*	
		For Work In Restricted Working Space, Add	*12.63*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	86.05	21.04
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Work In Restricted Working Space, Add	*14.11*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	100.60	29.09
		For Elevated Installation >10' To 15' Above Floor, Add	*5.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.62*	
		For Elevated Installation >40' Above Floor, Add	*29.28*	
		For Work In Restricted Working Space, Add	*15.97*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	118.96	29.09
		For Elevated Installation >10' To 15' Above Floor, Add	*5.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.10*	
		For Elevated Installation >40' Above Floor, Add	*32.00*	
		For Work In Restricted Working Space, Add	*17.46*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	132.96	30.95
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Work In Restricted Working Space, Add	*18.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	305.82	37.14
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Work In Restricted Working Space, Add	*22.28*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	345.30	43.33
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Work In Restricted Working Space, Add	*26.00*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	60.25	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	70.66	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	84.98	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	100.09	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	116.45	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	138.73	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	205.65	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	302.46	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	368.96	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	431.78	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	867.41	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,356.18	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	132.15	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	149.33	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	170.36	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	200.94	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	276.06	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	144.90	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	170.40	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	185.47	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	233.89	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	307.84	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	396.69	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	160.15	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	181.38	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	204.86	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	244.82	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	344.35	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	439.56	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	548.48	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	627.36	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	186.50	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	207.15	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	234.11	40.24
	For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
	For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
	For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
	For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
	For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
	For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
	For Elevated Installation >40' Above Floor, Add	*44.26*	
	For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0914	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	286.95	44.26
	For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
	For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
	For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
	For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
	For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
	For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
	For Elevated Installation >40' Above Floor, Add	*48.69*	
	For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0915	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	409.69	55.53
	For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
	For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
	For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
	For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
	For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
	For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
	For Elevated Installation >40' Above Floor, Add	*61.08*	
	For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0916	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	512.19	75.64
	For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
	For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
	For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
	For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
	For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
	For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
	For Elevated Installation >40' Above Floor, Add	*83.21*	
	For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0917	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	592.82	85.30
	For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
	For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
	For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
	For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
	For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
	For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
	For Elevated Installation >40' Above Floor, Add	*93.83*	
	For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0918	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	708.77	111.05
	For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
	For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
	For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
	For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
	For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
	For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
	For Elevated Installation >40' Above Floor, Add	*122.16*	
	For Work In Restricted Working Space, Add	*66.63*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	206.99	30.57
	For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
	For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
	For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
	For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
	For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
	For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
	For Elevated Installation >40' Above Floor, Add	*33.64*	
	For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0921	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	231.13	35.41
	For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
	For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
	For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
	For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
	For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
	For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
	For Elevated Installation >40' Above Floor, Add	*38.95*	
	For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0922	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	262.91	40.24
	For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
	For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
	For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
	For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
	For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
	For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
	For Elevated Installation >40' Above Floor, Add	*44.26*	
	For Work In Restricted Working Space, Add	*24.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	323.62	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	445.35	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	570.28	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	700.64	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	783.50	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,303.68	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	233.80	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	260.11	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	294.47	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	364.29	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	504.76	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	644.29	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	754.67	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	879.98	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,371.29	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,890.43	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	271.12	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	285.94	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	336.71	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	420.90	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	584.87	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	744.07	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	904.87	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,067.66	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,591.83	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,991.67	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	280.11	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	329.64	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	373.24	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	437.93	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	604.88	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	774.76	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	986.67	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,110.22	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,651.08	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,043.10	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	107.53	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	132.46	26.55
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
		For Elevated Installation >40' Above Floor, Add	*29.21*	
		For Work In Restricted Working Space, Add	*15.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	174.48	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	280.05	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	309.72	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	388.45	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,029.82	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,233.27	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.22*	
		For Work In Restricted Working Space, Add	*45.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,643.26	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.15*	
		For Work In Restricted Working Space, Add	*66.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	103.44	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	127.84	26.55
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
		For Elevated Installation >40' Above Floor, Add	*29.21*	
		For Work In Restricted Working Space, Add	*15.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	174.48	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	277.67	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	300.13	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	388.56	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	988.90	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,203.42	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.22*	
		For Work In Restricted Working Space, Add	*45.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,643.19	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.15*	
		For Work In Restricted Working Space, Add	*66.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	94.38	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	114.09	26.55
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
		For Elevated Installation >40' Above Floor, Add	*29.21*	
		For Work In Restricted Working Space, Add	*15.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	134.30	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	187.25	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	218.24	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	329.38	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	874.93	55.53
			For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
			For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
			For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
			For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
			For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
			For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
			For Elevated Installation >40' Above Floor, Add	*61.07*	
			For Work In Restricted Working Space, Add	*33.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-0990		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	990.55	75.64
			For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
			For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
			For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
			For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
			For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
			For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
			For Elevated Installation >40' Above Floor, Add	*83.22*	
			For Work In Restricted Working Space, Add	*45.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	
26 05 33 13-0991		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,271.25	111.05
			For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
			For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
			For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
			For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
			For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
			For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
			For Elevated Installation >40' Above Floor, Add	*122.15*	
			For Work In Restricted Working Space, Add	*66.63*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	154.97	20.12
			For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
			For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
			For Elevated Installation >40' Above Floor, Add	*22.13*	
			For Work In Restricted Working Space, Add	*12.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-0994		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	231.92	26.55
			For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
			For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
			For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
			For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
			For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
			For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
			For Elevated Installation >40' Above Floor, Add	*29.21*	
			For Work In Restricted Working Space, Add	*15.93*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 05 33 13-0995		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	290.34	30.57
			For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
			For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
			For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
			For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
			For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
			For Elevated Installation >40' Above Floor, Add	*33.64*	
			For Work In Restricted Working Space, Add	*18.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-0996		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	335.19	35.41
			For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
			For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
			For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
			For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
			For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
			For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
			For Elevated Installation >40' Above Floor, Add	*38.95*	
			For Work In Restricted Working Space, Add	*21.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	380.69	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	497.19	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,527.98	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,788.85	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.22*	
		For Work In Restricted Working Space, Add	*45.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,207.29	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.15*	
		For Work In Restricted Working Space, Add	*66.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	171.05	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	247.10	26.55
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
		For Elevated Installation >40' Above Floor, Add	*29.21*	
		For Work In Restricted Working Space, Add	*15.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	293.23	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	339.95	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	393.74	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	611.95	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,701.13	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,393.35	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.22*	
		For Work In Restricted Working Space, Add	*45.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,513.31	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.15*	
		For Work In Restricted Working Space, Add	*66.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	137.25	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	173.69	26.55
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.56*	
		For Elevated Installation >40' Above Floor, Add	*29.21*	
		For Work In Restricted Working Space, Add	*15.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	207.55	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.35*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	230.65	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.24*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	307.32	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	428.79	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,384.57	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,564.61	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.22*	
		For Work In Restricted Working Space, Add	*45.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.39*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,868.72	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.15*	
		For Work In Restricted Working Space, Add	*66.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.63*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	133.29	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	150.65	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.68*	
		For Work In Restricted Working Space, Add	*26.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.55*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	184.54	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	238.17	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.74*	
		For Elevated Installation >40' Above Floor, Add	*64.61*	
		For Work In Restricted Working Space, Add	*35.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.24*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	276.13	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.81*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	371.79	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	616.03	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.18*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	791.31	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.86*	
		For Elevated Installation >40' Above Floor, Add	*159.34*	
		For Work In Restricted Working Space, Add	*86.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.91*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,090.88	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.63*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,257.88	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.29*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	174.25	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.76*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	197.96	56.33
		For Elevated Installation >10' To 15' Above Floor, Add	*11.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*56.33*	
		For Elevated Installation >40' Above Floor, Add	*61.96*	
		For Work In Restricted Working Space, Add	*33.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.80*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036		EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	238.83	61.96
			For Elevated Installation >10' To 15' Above Floor, Add	*12.39*	
			For Elevated Installation >15' To 20' Above Floor, Add	*24.78*	
			For Elevated Installation >20' To 25' Above Floor, Add	*30.98*	
			For Elevated Installation >25' To 30' Above Floor, Add	*43.37*	
			For Elevated Installation >30' To 35' Above Floor, Add	*49.57*	
			For Elevated Installation >35' To 40' Above Floor, Add	*61.96*	
			For Elevated Installation >40' Above Floor, Add	*68.16*	
			For Work In Restricted Working Space, Add	*37.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.18*	
26 05 33 13-1037		EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	315.74	70.81
			For Elevated Installation >10' To 15' Above Floor, Add	*14.16*	
			For Elevated Installation >15' To 20' Above Floor, Add	*28.32*	
			For Elevated Installation >20' To 25' Above Floor, Add	*35.41*	
			For Elevated Installation >25' To 30' Above Floor, Add	*49.57*	
			For Elevated Installation >30' To 35' Above Floor, Add	*56.65*	
			For Elevated Installation >35' To 40' Above Floor, Add	*70.81*	
			For Elevated Installation >40' Above Floor, Add	*77.89*	
			For Work In Restricted Working Space, Add	*42.49*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.49*	
26 05 33 13-1038		EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	370.34	77.25
			For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
			For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
			For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
			For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
			For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
			For Elevated Installation >40' Above Floor, Add	*84.98*	
			For Work In Restricted Working Space, Add	*46.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	
26 05 33 13-1039		EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	499.92	94.95
			For Elevated Installation >10' To 15' Above Floor, Add	*18.99*	
			For Elevated Installation >15' To 20' Above Floor, Add	*37.98*	
			For Elevated Installation >20' To 25' Above Floor, Add	*47.48*	
			For Elevated Installation >25' To 30' Above Floor, Add	*66.47*	
			For Elevated Installation >30' To 35' Above Floor, Add	*75.96*	
			For Elevated Installation >35' To 40' Above Floor, Add	*94.96*	
			For Elevated Installation >40' Above Floor, Add	*104.45*	
			For Work In Restricted Working Space, Add	*56.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.97*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041		EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	153.20	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1042		EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	175.23	51.51
			For Elevated Installation >10' To 15' Above Floor, Add	*10.30*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.60*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.75*	
			For Elevated Installation >25' To 30' Above Floor, Add	*36.05*	
			For Elevated Installation >30' To 35' Above Floor, Add	*41.20*	
			For Elevated Installation >35' To 40' Above Floor, Add	*51.50*	
			For Elevated Installation >40' Above Floor, Add	*56.65*	
			For Work In Restricted Working Space, Add	*30.90*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.90*	
26 05 33 13-1043		EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	209.43	56.33
			For Elevated Installation >10' To 15' Above Floor, Add	*11.27*	
			For Elevated Installation >15' To 20' Above Floor, Add	*22.53*	
			For Elevated Installation >20' To 25' Above Floor, Add	*28.16*	
			For Elevated Installation >25' To 30' Above Floor, Add	*39.43*	
			For Elevated Installation >30' To 35' Above Floor, Add	*45.06*	
			For Elevated Installation >35' To 40' Above Floor, Add	*56.33*	
			For Elevated Installation >40' Above Floor, Add	*61.96*	
			For Work In Restricted Working Space, Add	*33.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.80*	
26 05 33 13-1044		EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	265.00	64.38
			For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
			For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
			For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
			For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
			For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
			For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
			For Elevated Installation >40' Above Floor, Add	*70.82*	
			For Work In Restricted Working Space, Add	*38.63*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	311.77	70.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*70.82*	
		For Elevated Installation >40' Above Floor, Add	*77.90*	
		For Work In Restricted Working Space, Add	*42.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.49*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	412.83	82.88
		For Elevated Installation >10' To 15' Above Floor, Add	*16.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.88*	
		For Elevated Installation >40' Above Floor, Add	*91.17*	
		For Work In Restricted Working Space, Add	*49.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.73*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	658.76	120.70
		For Elevated Installation >10' To 15' Above Floor, Add	*24.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.71*	
		For Elevated Installation >40' Above Floor, Add	*132.78*	
		For Work In Restricted Working Space, Add	*72.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.42*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	870.75	156.91
		For Elevated Installation >10' To 15' Above Floor, Add	*31.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*62.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*78.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*109.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*125.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*156.92*	
		For Elevated Installation >40' Above Floor, Add	*172.61*	
		For Work In Restricted Working Space, Add	*94.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.15*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,186.72	193.13
		For Elevated Installation >10' To 15' Above Floor, Add	*38.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*77.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*96.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*135.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*154.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*193.13*	
		For Elevated Installation >40' Above Floor, Add	*212.44*	
		For Work In Restricted Working Space, Add	*115.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.88*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,333.54	232.56
		For Elevated Installation >10' To 15' Above Floor, Add	*46.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*93.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*116.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*162.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*186.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*232.57*	
		For Elevated Installation >40' Above Floor, Add	*255.82*	
		For Work In Restricted Working Space, Add	*139.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.54*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	29.52	4.83
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.83*	
		For Elevated Installation >40' Above Floor, Add	*5.31*	
		For Work In Restricted Working Space, Add	*2.90*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	33.22	5.63
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.64*	
		For Elevated Installation >40' Above Floor, Add	*6.20*	
		For Work In Restricted Working Space, Add	*3.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	43.28	7.24
		For Elevated Installation >10' To 15' Above Floor, Add	*1.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.25*	
		For Elevated Installation >40' Above Floor, Add	*7.97*	
		For Work In Restricted Working Space, Add	*4.35*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	55.46	8.85
		For Elevated Installation >10' To 15' Above Floor, Add	*1.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.85*	
		For Elevated Installation >40' Above Floor, Add	*9.74*	
		For Work In Restricted Working Space, Add	*5.31*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	62.33	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	76.78	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	98.53	13.68
		For Elevated Installation >10' To 15' Above Floor, Add	*2.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.68*	
		For Elevated Installation >40' Above Floor, Add	*15.05*	
		For Work In Restricted Working Space, Add	*8.21*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	109.79	19.32
		For Elevated Installation >10' To 15' Above Floor, Add	*3.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.31*	
		For Elevated Installation >40' Above Floor, Add	*21.24*	
		For Work In Restricted Working Space, Add	*11.59*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	132.70	21.72
		For Elevated Installation >10' To 15' Above Floor, Add	*4.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.73*	
		For Elevated Installation >40' Above Floor, Add	*23.90*	
		For Work In Restricted Working Space, Add	*13.04*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	143.96	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	148.35	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	164.98	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	192.24	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	227.51	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	279.14	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	337.94	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	487.88	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.18*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	628.15	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.91*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,206.42	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,746.10	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.29*	
26 05 33 13-1073		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*		
26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	240.90	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	260.67	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	297.75	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	334.22	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	401.99	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	454.79	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	639.82	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	888.34	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.91*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,281.98	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.63*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,844.98	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.29*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	196.35	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	210.78	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	242.10	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	271.11	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	365.24	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	457.01	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	704.43	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.18*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,019.80	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.91*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,281.98	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.63*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	253.98	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	282.49	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	348.21	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	427.55	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	586.27	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	702.67	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.35*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	52.60	15.47
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Work In Restricted Working Space, Add	*9.29*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	68.87	18.57
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.57*	
		For Elevated Installation >40' Above Floor, Add	*20.43*	
		For Work In Restricted Working Space, Add	*11.14*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	88.04	24.76
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.76*	
		For Elevated Installation >40' Above Floor, Add	*27.24*	
		For Work In Restricted Working Space, Add	*14.86*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	119.72	30.95
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Work In Restricted Working Space, Add	*18.57*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	155.50	37.14
		For Elevated Installation >10' To 15' Above Floor, Add	*7.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.14*	
		For Elevated Installation >40' Above Floor, Add	*40.85*	
		For Work In Restricted Working Space, Add	*22.28*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	258.40	43.33
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Work In Restricted Working Space, Add	*26.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	369.42	49.52
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Work In Restricted Working Space, Add	*29.71*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	458.15	55.71
		For Elevated Installation >10' To 15' Above Floor, Add	*11.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.71*	
		For Elevated Installation >40' Above Floor, Add	*61.28*	
		For Work In Restricted Working Space, Add	*33.43*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	632.05	64.99
		For Elevated Installation >10' To 15' Above Floor, Add	*13.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*52.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*65.00*	
		For Elevated Installation >40' Above Floor, Add	*71.49*	
		For Work In Restricted Working Space, Add	*39.00*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	765.33	74.28
		For Elevated Installation >10' To 15' Above Floor, Add	*14.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.28*	
		For Elevated Installation >40' Above Floor, Add	*81.71*	
		For Work In Restricted Working Space, Add	*44.57*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,224.34	117.61
		For Elevated Installation >10' To 15' Above Floor, Add	*23.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*47.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*58.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*82.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*94.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*117.61*	
		For Elevated Installation >40' Above Floor, Add	*129.37*	
		For Work In Restricted Working Space, Add	*70.57*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,682.12	179.51
		For Elevated Installation >10' To 15' Above Floor, Add	*35.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*71.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*89.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*125.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*143.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*179.51*	
		For Elevated Installation >40' Above Floor, Add	*197.46*	
		For Work In Restricted Working Space, Add	*107.71*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	186.18	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	218.75	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.92*	
		For Work In Restricted Working Space, Add	*25.59*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	243.03	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	342.86	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	446.33	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	485.27	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,112.06	107.02
		For Elevated Installation >10' To 15' Above Floor, Add	*21.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*42.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*74.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*85.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*107.03*	
		For Elevated Installation >40' Above Floor, Add	*117.73*	
		For Work In Restricted Working Space, Add	*64.22*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,187.93	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.86*	
		For Elevated Installation >40' Above Floor, Add	*159.34*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,917.99	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.07*	
		For Elevated Installation >40' Above Floor, Add	*199.17*	
		For Work In Restricted Working Space, Add	*108.64*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,011.96	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.51*	
		For Elevated Installation >40' Above Floor, Add	*242.56*	
		For Work In Restricted Working Space, Add	*132.30*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	263.71	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	300.53	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	576.54	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	607.30	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	823.03	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	881.71	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,677.47	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,778.75	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,591.93	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,941.86	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	103.53	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	121.15	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	144.72	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	170.52	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	83.34	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	96.91	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	132.91	30.57
			For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
			For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
			For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
			For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
			For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
			For Elevated Installation >40' Above Floor, Add	*33.64*	
			For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1145		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	170.61	35.41
			For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
			For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
			For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
			For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
			For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
			For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
			For Elevated Installation >40' Above Floor, Add	*38.95*	
			For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1146		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	206.68	40.24
			For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
			For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
			For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
			For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
			For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
			For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
			For Elevated Installation >40' Above Floor, Add	*44.26*	
			For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1147		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	291.45	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1148		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	396.20	55.53
			For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
			For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
			For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
			For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
			For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
			For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
			For Elevated Installation >40' Above Floor, Add	*61.08*	
			For Work In Restricted Working Space, Add	*33.32*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	103.58	20.12
			For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
			For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
			For Elevated Installation >40' Above Floor, Add	*22.13*	
			For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1151		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	123.95	24.94
			For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
			For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
			For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
			For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
			For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
			For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
			For Elevated Installation >40' Above Floor, Add	*27.44*	
			For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1152		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	144.74	30.57
			For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
			For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
			For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
			For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
			For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
			For Elevated Installation >40' Above Floor, Add	*33.64*	
			For Work In Restricted Working Space, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	170.57	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	83.41	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	96.91	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	124.54	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	154.37	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	180.23	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	206.72	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	374.59	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	434.41	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	470.24	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	582.60	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	173.10	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	188.14	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.56*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	206.91	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.42*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	273.93	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	344.15	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	205.10	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	222.11	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	259.18	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	364.65	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	579.22	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	629.12	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1178		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	223.27	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	252.40	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1181		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	276.46	50.69
			For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
			For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
			For Elevated Installation >40' Above Floor, Add	*55.77*	
			For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1182		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	382.21	58.74
			For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
			For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
			For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
			For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
			For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
			For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
			For Elevated Installation >40' Above Floor, Add	*64.62*	
			For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1183		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	621.12	64.38
			For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
			For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
			For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
			For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
			For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
			For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
			For Elevated Installation >40' Above Floor, Add	*70.82*	
			For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1184		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	667.57	77.25
			For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
			For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
			For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
			For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
			For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
			For Elevated Installation >40' Above Floor, Add	*84.98*	
			For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1185			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*		
26 05 33 13-1186		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	223.41	38.62
			For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
			For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
			For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
			For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
			For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
			For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
			For Elevated Installation >40' Above Floor, Add	*42.49*	
			For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1187		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	247.04	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1188		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	293.15	50.69
			For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
			For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
			For Elevated Installation >40' Above Floor, Add	*55.77*	
			For Work In Restricted Working Space, Add	*30.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	395.59	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	641.08	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	692.18	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	273.69	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	302.94	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	329.50	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	801.96	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	139.62	38.62
			For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
			For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
			For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
			For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
			For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
			For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
			For Elevated Installation >40' Above Floor, Add	*42.49*	
			For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1199		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	154.26	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1200		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.78	50.69
			For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
			For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
			For Elevated Installation >40' Above Floor, Add	*55.77*	
			For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1201		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	153.25	38.62
			For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
			For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
			For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
			For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
			For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
			For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
			For Elevated Installation >40' Above Floor, Add	*42.49*	
			For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1202		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	166.18	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1203		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	189.35	50.69
			For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
			For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
			For Elevated Installation >40' Above Floor, Add	*55.77*	
			For Work In Restricted Working Space, Add	*30.42*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	146.06	38.62
			For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
			For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
			For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
			For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
			For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
			For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
			For Elevated Installation >40' Above Floor, Add	*42.49*	
			For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1206		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	161.52	44.26
			For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
			For Elevated Installation >40' Above Floor, Add	*48.69*	
			For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1207		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	177.79	50.69
			For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
			For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
			For Elevated Installation >40' Above Floor, Add	*55.77*	
			For Work In Restricted Working Space, Add	*30.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	162.47	38.62
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.63*	
		For Elevated Installation >40' Above Floor, Add	*42.49*	
		For Work In Restricted Working Space, Add	*23.18*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	178.09	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	201.60	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	48.24	4.83
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.83*	
		For Elevated Installation >40' Above Floor, Add	*5.31*	
		For Work In Restricted Working Space, Add	*2.90*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	65.25	5.63
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.64*	
		For Elevated Installation >40' Above Floor, Add	*6.20*	
		For Work In Restricted Working Space, Add	*3.38*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	61.71	5.63
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.64*	
		For Elevated Installation >40' Above Floor, Add	*6.20*	
		For Work In Restricted Working Space, Add	*3.38*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	55.11	5.63
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.64*	
		For Elevated Installation >40' Above Floor, Add	*6.20*	
		For Work In Restricted Working Space, Add	*3.38*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	261.03	8.05
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Work In Restricted Working Space, Add	*4.83*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	232.38	8.05
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Work In Restricted Working Space, Add	*4.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*		
		Note: Includes covers.		
26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	289.45	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	325.83	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	443.28	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	528.42	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	762.20	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	964.80	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,401.86	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,737.81	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	289.45	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	325.83	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	442.12	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	516.75	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	772.94	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,013.01	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,460.05	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,774.04	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	289.45	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	325.83	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	442.12	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	516.75	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	772.94	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,013.01	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,460.05	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,774.04	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	289.45	50.69
		For Elevated Installation >10' To 15' Above Floor, Add	*10.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*50.70*	
		For Elevated Installation >40' Above Floor, Add	*55.77*	
		For Work In Restricted Working Space, Add	*30.42*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	325.83	58.74
		For Elevated Installation >10' To 15' Above Floor, Add	*11.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.75*	
		For Elevated Installation >40' Above Floor, Add	*64.62*	
		For Work In Restricted Working Space, Add	*35.25*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	443.28	64.38
		For Elevated Installation >10' To 15' Above Floor, Add	*12.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.38*	
		For Elevated Installation >40' Above Floor, Add	*70.82*	
		For Work In Restricted Working Space, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	523.03	77.25
		For Elevated Installation >10' To 15' Above Floor, Add	*15.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.26*	
		For Elevated Installation >40' Above Floor, Add	*84.98*	
		For Work In Restricted Working Space, Add	*46.35*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	762.20	108.63
		For Elevated Installation >10' To 15' Above Floor, Add	*21.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*43.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*54.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*76.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*86.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*108.64*	
		For Elevated Installation >40' Above Floor, Add	*119.50*	
		For Work In Restricted Working Space, Add	*65.18*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	964.80	144.84
		For Elevated Installation >10' To 15' Above Floor, Add	*28.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.85*	
		For Elevated Installation >40' Above Floor, Add	*159.33*	
		For Work In Restricted Working Space, Add	*86.91*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,401.86	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,752.90	220.49
		For Elevated Installation >10' To 15' Above Floor, Add	*44.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*88.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*110.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*154.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*176.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*220.49*	
		For Elevated Installation >40' Above Floor, Add	*242.54*	
		For Work In Restricted Working Space, Add	*132.29*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	137.01	7.24
		For Elevated Installation >10' To 15' Above Floor, Add	*1.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.25*	
		For Elevated Installation >40' Above Floor, Add	*7.97*	
		For Work In Restricted Working Space, Add	*4.35*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	138.61	8.05
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Work In Restricted Working Space, Add	*4.83*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	195.91	11.27
		For Elevated Installation >10' To 15' Above Floor, Add	*2.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.27*	
		For Elevated Installation >40' Above Floor, Add	*12.39*	
		For Work In Restricted Working Space, Add	*6.76*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	199.13	12.87
			For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
			For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
			For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
			For Elevated Installation >25' To 30' Above Floor, Add	*9.01*	
			For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
			For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
			For Elevated Installation >40' Above Floor, Add	*14.16*	
			For Work In Restricted Working Space, Add	*7.73*	
26 05 33 13-1256		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	345.18	15.29
			For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
			For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
			For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
			For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
			For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
			For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
			For Elevated Installation >40' Above Floor, Add	*16.81*	
			For Work In Restricted Working Space, Add	*9.17*	
26 05 33 13-1257		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	353.23	19.32
			For Elevated Installation >10' To 15' Above Floor, Add	*3.86*	
			For Elevated Installation >15' To 20' Above Floor, Add	*7.72*	
			For Elevated Installation >20' To 25' Above Floor, Add	*9.66*	
			For Elevated Installation >25' To 30' Above Floor, Add	*13.52*	
			For Elevated Installation >30' To 35' Above Floor, Add	*15.45*	
			For Elevated Installation >35' To 40' Above Floor, Add	*19.31*	
			For Elevated Installation >40' Above Floor, Add	*21.24*	
			For Work In Restricted Working Space, Add	*11.59*	
26 05 33 13-1258		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	529.21	21.72
			For Elevated Installation >10' To 15' Above Floor, Add	*4.35*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.69*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.87*	
			For Elevated Installation >25' To 30' Above Floor, Add	*15.21*	
			For Elevated Installation >30' To 35' Above Floor, Add	*17.38*	
			For Elevated Installation >35' To 40' Above Floor, Add	*21.73*	
			For Elevated Installation >40' Above Floor, Add	*23.90*	
			For Work In Restricted Working Space, Add	*13.04*	
26 05 33 13-1259		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	542.08	28.17
			For Elevated Installation >10' To 15' Above Floor, Add	*5.63*	
			For Elevated Installation >15' To 20' Above Floor, Add	*11.27*	
			For Elevated Installation >20' To 25' Above Floor, Add	*14.08*	
			For Elevated Installation >25' To 30' Above Floor, Add	*19.72*	
			For Elevated Installation >30' To 35' Above Floor, Add	*22.53*	
			For Elevated Installation >35' To 40' Above Floor, Add	*28.17*	
			For Elevated Installation >40' Above Floor, Add	*30.98*	
			For Work In Restricted Working Space, Add	*16.90*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	238.87	20.12
			For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
			For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
			For Elevated Installation >40' Above Floor, Add	*22.13*	
			For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1262		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	282.68	24.94
			For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
			For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
			For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
			For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
			For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
			For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
			For Elevated Installation >40' Above Floor, Add	*27.44*	
			For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1263		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	335.01	30.57
			For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
			For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
			For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
			For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
			For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
			For Elevated Installation >40' Above Floor, Add	*33.64*	
			For Work In Restricted Working Space, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	411.83	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	547.82	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	754.09	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,074.02	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,338.01	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,869.29	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,159.31	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	374.95	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	390.91	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	440.03	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	531.85	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	643.65	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	820.06	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,206.91	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,515.59	75.64
		For Elevated Installation >10' To 15' Above Floor, Add	*15.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.65*	
		For Elevated Installation >40' Above Floor, Add	*83.21*	
		For Work In Restricted Working Space, Add	*45.39*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,926.62	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,413.22	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	80.09	9.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.66*	
		For Elevated Installation >40' Above Floor, Add	*10.63*	
		For Work In Restricted Working Space, Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.80*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	87.48	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	96.72	14.49
		For Elevated Installation >10' To 15' Above Floor, Add	*2.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.49*	
		For Elevated Installation >40' Above Floor, Add	*15.93*	
		For Work In Restricted Working Space, Add	*8.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.69*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	109.96	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.71*	
		For Elevated Installation >40' Above Floor, Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	146.42	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	178.09	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	253.30	28.17
		For Elevated Installation >10' To 15' Above Floor, Add	*5.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.17*	
		For Elevated Installation >40' Above Floor, Add	*30.98*	
		For Work In Restricted Working Space, Add	*16.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	331.10	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	420.50	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.92*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	529.62	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.32*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	667.04	90.13
		For Elevated Installation >10' To 15' Above Floor, Add	*18.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.13*	
		For Elevated Installation >40' Above Floor, Add	*99.14*	
		For Work In Restricted Working Space, Add	*54.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.08*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,006.03	135.99
		For Elevated Installation >10' To 15' Above Floor, Add	*27.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*54.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*68.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*95.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*108.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*136.00*	
		For Elevated Installation >40' Above Floor, Add	*149.59*	
		For Work In Restricted Working Space, Add	*81.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.60*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	118.75	9.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.66*	
		For Elevated Installation >40' Above Floor, Add	*10.63*	
		For Work In Restricted Working Space, Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.80*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	126.41	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	136.51	14.49
		For Elevated Installation >10' To 15' Above Floor, Add	*2.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.49*	
		For Elevated Installation >40' Above Floor, Add	*15.93*	
		For Work In Restricted Working Space, Add	*8.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	156.36	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.71*	
		For Elevated Installation >40' Above Floor, Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	168.33	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	190.29	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	287.55	28.17
		For Elevated Installation >10' To 15' Above Floor, Add	*5.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.17*	
		For Elevated Installation >40' Above Floor, Add	*30.98*	
		For Work In Restricted Working Space, Add	*16.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.90*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	345.86	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	423.69	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.92*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	550.21	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.32*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	857.44	90.13
		For Elevated Installation >10' To 15' Above Floor, Add	*18.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.13*	
		For Elevated Installation >40' Above Floor, Add	*99.14*	
		For Work In Restricted Working Space, Add	*54.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,398.42	135.99
		For Elevated Installation >10' To 15' Above Floor, Add	*27.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*54.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*68.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*95.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*108.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*136.00*	
		For Elevated Installation >40' Above Floor, Add	*149.59*	
		For Work In Restricted Working Space, Add	*81.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.60*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	127.35	9.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.66*	
		For Elevated Installation >40' Above Floor, Add	*10.63*	
		For Work In Restricted Working Space, Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.80*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	134.57	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	145.04	14.49
		For Elevated Installation >10' To 15' Above Floor, Add	*2.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.49*	
		For Elevated Installation >40' Above Floor, Add	*15.93*	
		For Work In Restricted Working Space, Add	*8.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.69*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	182.24	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.71*	
		For Elevated Installation >40' Above Floor, Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	199.57	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	211.85	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	99.88	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	110.62	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	142.57	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	201.83	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	238.50	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	299.12	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	396.18	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	504.13	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	658.20	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	848.18	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,532.33	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,937.69	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	101.89	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	118.29	24.94
		For Elevated Installation >10' To 15' Above Floor, Add	*4.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.95*	
		For Elevated Installation >40' Above Floor, Add	*27.44*	
		For Work In Restricted Working Space, Add	*14.97*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	146.66	30.57
		For Elevated Installation >10' To 15' Above Floor, Add	*6.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.58*	
		For Elevated Installation >40' Above Floor, Add	*33.64*	
		For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	209.34	35.41
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.78*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.41*	
		For Elevated Installation >40' Above Floor, Add	*38.95*	
		For Work In Restricted Working Space, Add	*21.24*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	248.93	40.24
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Work In Restricted Working Space, Add	*24.14*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	321.63	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	444.33	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	553.10	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.53*	
		For Elevated Installation >40' Above Floor, Add	*61.08*	
		For Work In Restricted Working Space, Add	*33.32*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	746.72	85.30
		For Elevated Installation >10' To 15' Above Floor, Add	*17.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*34.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*42.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*59.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*68.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*85.30*	
		For Elevated Installation >40' Above Floor, Add	*93.83*	
		For Work In Restricted Working Space, Add	*51.18*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	936.38	111.05
		For Elevated Installation >10' To 15' Above Floor, Add	*22.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.05*	
		For Elevated Installation >40' Above Floor, Add	*122.16*	
		For Work In Restricted Working Space, Add	*66.63*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,694.01	181.06
		For Elevated Installation >10' To 15' Above Floor, Add	*36.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*72.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*90.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*126.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*144.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*181.06*	
		For Elevated Installation >40' Above Floor, Add	*199.16*	
		For Work In Restricted Working Space, Add	*108.63*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,198.76	271.99
		For Elevated Installation >10' To 15' Above Floor, Add	*54.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*108.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*135.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*190.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*217.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*271.99*	
		For Elevated Installation >40' Above Floor, Add	*299.18*	
		For Work In Restricted Working Space, Add	*163.19*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	53.22	6.44
		For Elevated Installation >10' To 15' Above Floor, Add	*1.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.44*	
		For Elevated Installation >40' Above Floor, Add	*7.08*	
		For Work In Restricted Working Space, Add	*3.86*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	58.86	8.05
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Work In Restricted Working Space, Add	*4.83*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	66.40	8.05
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.05*	
		For Elevated Installation >40' Above Floor, Add	*8.85*	
		For Work In Restricted Working Space, Add	*4.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	81.52	8.85
		For Elevated Installation >10' To 15' Above Floor, Add	*1.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.85*	
		For Elevated Installation >40' Above Floor, Add	*9.74*	
		For Work In Restricted Working Space, Add	*5.31*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	85.87	8.85
		For Elevated Installation >10' To 15' Above Floor, Add	*1.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.85*	
		For Elevated Installation >40' Above Floor, Add	*9.74*	
		For Work In Restricted Working Space, Add	*5.31*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	75.15	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	84.86	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	128.51	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	143.08	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	139.31	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	146.31	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	163.92	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	164.01	14.49
		For Elevated Installation >10' To 15' Above Floor, Add	*2.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.49*	
		For Elevated Installation >40' Above Floor, Add	*15.93*	
		For Work In Restricted Working Space, Add	*8.69*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	209.94	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	306.05	23.34
		For Elevated Installation >10' To 15' Above Floor, Add	*4.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.34*	
		For Elevated Installation >40' Above Floor, Add	*25.67*	
		For Work In Restricted Working Space, Add	*14.00*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	409.96	32.19
		For Elevated Installation >10' To 15' Above Floor, Add	*6.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.19*	
		For Elevated Installation >40' Above Floor, Add	*35.41*	
		For Work In Restricted Working Space, Add	*19.31*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	514.60	44.26
		For Elevated Installation >10' To 15' Above Floor, Add	*8.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.26*	
		For Elevated Installation >40' Above Floor, Add	*48.69*	
		For Work In Restricted Working Space, Add	*26.56*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.23	9.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.66*	
		For Elevated Installation >40' Above Floor, Add	*10.63*	
		For Work In Restricted Working Space, Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.80*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.38	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.76	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.78	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.71*	
		For Elevated Installation >40' Above Floor, Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.34	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.01	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.69	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.09	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.25	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.71*	
		For Elevated Installation >40' Above Floor, Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.01	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.98	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.17	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.85	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.39	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.56	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.32	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.81	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.36	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.05	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.75	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.90	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.80	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.40	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	102.88	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.56	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.53	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.35	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.07	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.24	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.28	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.99	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.16	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	139.49	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	164.92	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.91*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	196.24	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.83	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.67	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.42	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.87	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.92	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.40	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.27	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	146.86	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	166.49	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.91*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	200.44	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	291.94	76.45
		For Elevated Installation >10' To 15' Above Floor, Add	*15.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.44*	
		For Elevated Installation >40' Above Floor, Add	*84.08*	
		For Work In Restricted Working Space, Add	*45.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.86*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.40	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.25	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.04	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.02	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.31	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.81	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	123.51	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	156.66	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	175.32	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.91*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	215.32	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	314.19	76.45
		For Elevated Installation >10' To 15' Above Floor, Add	*15.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.44*	
		For Elevated Installation >40' Above Floor, Add	*84.08*	
		For Work In Restricted Working Space, Add	*45.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.86*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.30	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.13	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.43	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.32	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.13	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.69	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.88	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	170.06	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	197.41	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.91*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	237.67	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	329.45	76.45
		For Elevated Installation >10' To 15' Above Floor, Add	*15.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.44*	
		For Elevated Installation >40' Above Floor, Add	*84.08*	
		For Work In Restricted Working Space, Add	*45.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.86*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.25	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.05	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.79	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.48	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.83	20.12
		For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
		For Elevated Installation >40' Above Floor, Add	*22.13*	
		For Work In Restricted Working Space, Add	*12.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	97.81	22.53
		For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
		For Elevated Installation >40' Above Floor, Add	*24.78*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	146.90	27.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
		For Elevated Installation >40' Above Floor, Add	*30.10*	
		For Work In Restricted Working Space, Add	*16.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	187.23	37.82
		For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
		For Elevated Installation >40' Above Floor, Add	*41.60*	
		For Work In Restricted Working Space, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.61	42.65
		For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
		For Elevated Installation >40' Above Floor, Add	*46.91*	
		For Work In Restricted Working Space, Add	*25.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	276.77	55.53
		For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
		For Elevated Installation >40' Above Floor, Add	*61.07*	
		For Work In Restricted Working Space, Add	*33.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	359.88	76.45
		For Elevated Installation >10' To 15' Above Floor, Add	*15.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.44*	
		For Elevated Installation >40' Above Floor, Add	*84.08*	
		For Work In Restricted Working Space, Add	*45.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.86*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.22	10.47
		For Elevated Installation >10' To 15' Above Floor, Add	*2.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.46*	
		For Elevated Installation >40' Above Floor, Add	*11.51*	
		For Work In Restricted Working Space, Add	*6.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.28*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.14	12.07
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.07*	
		For Elevated Installation >40' Above Floor, Add	*13.28*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.26	15.29
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.29*	
		For Elevated Installation >40' Above Floor, Add	*16.81*	
		For Work In Restricted Working Space, Add	*9.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.32	17.70
		For Elevated Installation >10' To 15' Above Floor, Add	*3.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.85*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.70*	
		For Elevated Installation >40' Above Floor, Add	*19.47*	
		For Work In Restricted Working Space, Add	*10.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.62*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443		EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	88.94	20.12
			For Elevated Installation >10' To 15' Above Floor, Add	*4.02*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.05*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*14.08*	
			For Elevated Installation >30' To 35' Above Floor, Add	*16.09*	
			For Elevated Installation >35' To 40' Above Floor, Add	*20.12*	
			For Elevated Installation >40' Above Floor, Add	*22.13*	
			For Work In Restricted Working Space, Add	*12.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.07*	
26 05 33 13-1444		EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.95	22.53
			For Elevated Installation >10' To 15' Above Floor, Add	*4.51*	
			For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
			For Elevated Installation >20' To 25' Above Floor, Add	*11.27*	
			For Elevated Installation >25' To 30' Above Floor, Add	*15.77*	
			For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
			For Elevated Installation >35' To 40' Above Floor, Add	*22.53*	
			For Elevated Installation >40' Above Floor, Add	*24.78*	
			For Work In Restricted Working Space, Add	*13.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.52*	
26 05 33 13-1445		EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	162.93	27.36
			For Elevated Installation >10' To 15' Above Floor, Add	*5.47*	
			For Elevated Installation >15' To 20' Above Floor, Add	*10.94*	
			For Elevated Installation >20' To 25' Above Floor, Add	*13.68*	
			For Elevated Installation >25' To 30' Above Floor, Add	*19.15*	
			For Elevated Installation >30' To 35' Above Floor, Add	*21.89*	
			For Elevated Installation >35' To 40' Above Floor, Add	*27.36*	
			For Elevated Installation >40' Above Floor, Add	*30.10*	
			For Work In Restricted Working Space, Add	*16.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.42*	
26 05 33 13-1446		EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	212.97	37.82
			For Elevated Installation >10' To 15' Above Floor, Add	*7.56*	
			For Elevated Installation >15' To 20' Above Floor, Add	*15.13*	
			For Elevated Installation >20' To 25' Above Floor, Add	*18.91*	
			For Elevated Installation >25' To 30' Above Floor, Add	*26.47*	
			For Elevated Installation >30' To 35' Above Floor, Add	*30.26*	
			For Elevated Installation >35' To 40' Above Floor, Add	*37.82*	
			For Elevated Installation >40' Above Floor, Add	*41.60*	
			For Work In Restricted Working Space, Add	*22.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 33 13-1447		EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	234.84	42.65
			For Elevated Installation >10' To 15' Above Floor, Add	*8.53*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.06*	
			For Elevated Installation >20' To 25' Above Floor, Add	*21.32*	
			For Elevated Installation >25' To 30' Above Floor, Add	*29.85*	
			For Elevated Installation >30' To 35' Above Floor, Add	*34.12*	
			For Elevated Installation >35' To 40' Above Floor, Add	*42.65*	
			For Elevated Installation >40' Above Floor, Add	*46.91*	
			For Work In Restricted Working Space, Add	*25.59*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.59*	
26 05 33 13-1448		EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	288.76	55.53
			For Elevated Installation >10' To 15' Above Floor, Add	*11.10*	
			For Elevated Installation >15' To 20' Above Floor, Add	*22.21*	
			For Elevated Installation >20' To 25' Above Floor, Add	*27.76*	
			For Elevated Installation >25' To 30' Above Floor, Add	*38.86*	
			For Elevated Installation >30' To 35' Above Floor, Add	*44.42*	
			For Elevated Installation >35' To 40' Above Floor, Add	*55.52*	
			For Elevated Installation >40' Above Floor, Add	*61.07*	
			For Work In Restricted Working Space, Add	*33.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.31*	
26 05 33 13-1449		EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	364.22	76.45
			For Elevated Installation >10' To 15' Above Floor, Add	*15.29*	
			For Elevated Installation >15' To 20' Above Floor, Add	*30.58*	
			For Elevated Installation >20' To 25' Above Floor, Add	*38.22*	
			For Elevated Installation >25' To 30' Above Floor, Add	*53.51*	
			For Elevated Installation >30' To 35' Above Floor, Add	*61.15*	
			For Elevated Installation >35' To 40' Above Floor, Add	*76.44*	
			For Elevated Installation >40' Above Floor, Add	*84.08*	
			For Work In Restricted Working Space, Add	*45.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.86*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".

26 05 33 13-1452		LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.20	2.48
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.93*	
			For Work In Restricted Working Space, Add	*1.86*	
26 05 33 13-1453		LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.15	2.72
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.02*	
			For Work In Restricted Working Space, Add	*2.04*	
26 05 33 13-1454		LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.34	2.97
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.11*	
			For Work In Restricted Working Space, Add	*2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.56	3.22
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.42*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.78	3.46
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.30*	
		For Work In Restricted Working Space, Add	*2.60*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	14.06	3.96
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.95	4.96
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.50	5.94
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.23*	
		For Work In Restricted Working Space, Add	*4.46*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.94	7.43
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.80	9.41
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.53*	
		For Work In Restricted Working Space, Add	*7.06*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	47.28	11.88
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.46*	
		For Work In Restricted Working Space, Add	*8.91*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	60.26	14.86
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.57*	
		For Work In Restricted Working Space, Add	*11.14*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	42.89	12.87
		For Work In Restricted Working Space, Add	*9.66*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	53.52	14.61
		For Work In Restricted Working Space, Add	*10.96*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	64.71	16.84
		For Work In Restricted Working Space, Add	*12.63*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	81.59	19.32
		For Work In Restricted Working Space, Add	*14.48*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	114.93	23.52
		For Work In Restricted Working Space, Add	*17.64*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	162.84	30.45
		For Work In Restricted Working Space, Add	*22.84*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	220.65	34.17
		For Work In Restricted Working Space, Add	*25.63*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	267.42	42.84
		For Work In Restricted Working Space, Add	*32.12*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	648.65	69.83
		For Work In Restricted Working Space, Add	*52.37*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	918.40	104.98
		For Work In Restricted Working Space, Add	*78.74*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	13.19	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	19.37	6.44
		For Work In Restricted Working Space, Add	*4.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	20.34	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	22.88	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	27.98	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	34.05	13.12
		For Work In Restricted Working Space, Add	*9.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.84*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	41.53	15.60
		For Work In Restricted Working Space, Add	*11.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.70*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	48.33	17.83
		For Work In Restricted Working Space, Add	*13.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.37*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	52.28	19.32
		For Work In Restricted Working Space, Add	*14.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.48*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	56.80	20.80
		For Work In Restricted Working Space, Add	*15.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.60*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486		EA	5" Aluminum Bushing Set With Locknut	75.34	27.73
			For Work In Restricted Working Space, Add	*20.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 05 33 13-1487		EA	6" Aluminum Bushing Set With Locknut	112.24	41.60
			For Work In Restricted Working Space, Add	*31.20*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.20*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1879 for field bending >1".

26 05 33 13-1490		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.68	1.88
			For Schedule 60, Add	*0.48*	
			For Schedule 80, Add	*0.81*	
26 05 33 13-1491		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.48	2.06
			For Schedule 60, Add	*0.59*	
			For Schedule 80, Add	*0.98*	
26 05 33 13-1492		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.99	2.41
			For Schedule 60, Add	*0.79*	
			For Schedule 80, Add	*1.29*	
26 05 33 13-1493		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.51	2.76
			For Schedule 60, Add	*1.00*	
			For Schedule 80, Add	*1.61*	
26 05 33 13-1494		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.18	3.21
			For Schedule 60, Add	*1.19*	
			For Schedule 80, Add	*1.91*	
26 05 33 13-1495		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.32	3.67
			For Schedule 60, Add	*1.50*	
			For Schedule 80, Add	*2.37*	
26 05 33 13-1496		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.52	4.36
			For Schedule 60, Add	*2.20*	
			For Schedule 80, Add	*3.41*	
26 05 33 13-1497		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.50	5.04
			For Schedule 60, Add	*2.60*	
			For Schedule 80, Add	*4.02*	
26 05 33 13-1498		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	24.99	5.96
			For Schedule 60, Add	*3.27*	
			For Schedule 80, Add	*5.02*	
26 05 33 13-1499		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	29.42	7.34
			For Schedule 60, Add	*3.69*	
			For Schedule 80, Add	*5.71*	
26 05 33 13-1500		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	41.96	10.32
			For Schedule 60, Add	*5.33*	
			For Schedule 80, Add	*8.24*	
26 05 33 13-1501		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	55.74	13.76
			For Schedule 60, Add	*7.06*	
			For Schedule 80, Add	*10.91*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-1879 for conduit field bending.

26 05 33 13-1503		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	24.30	9.17
			For Schedule 60, Add	*1.49*	
			For Schedule 80, Add	*2.77*	
26 05 33 13-1504		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	26.89	10.09
			For Schedule 60, Add	*1.68*	
			For Schedule 80, Add	*3.10*	
26 05 33 13-1505		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	31.25	11.47
			For Schedule 60, Add	*2.08*	
			For Schedule 80, Add	*3.77*	
26 05 33 13-1506		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	40.42	14.67
			For Schedule 60, Add	*2.77*	
			For Schedule 80, Add	*4.97*	
26 05 33 13-1507		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	50.92	18.34
			For Schedule 60, Add	*3.56*	
			For Schedule 80, Add	*6.35*	
26 05 33 13-1508		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	64.35	22.93
			For Schedule 60, Add	*4.62*	
			For Schedule 80, Add	*8.19*	
26 05 33 13-1509		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	81.12	27.52
			For Schedule 60, Add	*6.52*	
			For Schedule 80, Add	*11.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	100.33	32.11
		For Schedule 60, Add	*9.03*	
		For Schedule 80, Add	*15.05*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	125.32	38.99
		For Schedule 60, Add	*11.84*	
		For Schedule 80, Add	*19.49*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	150.50	45.87
		For Schedule 60, Add	*14.69*	
		For Schedule 80, Add	*24.01*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	206.66	57.33
		For Schedule 60, Add	*23.00*	
		For Schedule 80, Add	*36.50*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	252.70	68.80
		For Schedule 60, Add	*28.78*	
		For Schedule 80, Add	*45.45*	
26 05 33 13-1515		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows** *(26 05 33 13-1488)* See CSI section 26 05 33 13-1879 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	24.30	9.17
		For Schedule 60, Add	*1.49*	
		For Schedule 80, Add	*2.77*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	26.79	10.09
		For Schedule 60, Add	*1.65*	
		For Schedule 80, Add	*3.07*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	31.12	11.47
		For Schedule 60, Add	*2.05*	
		For Schedule 80, Add	*3.72*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	40.03	14.67
		For Schedule 60, Add	*2.67*	
		For Schedule 80, Add	*4.84*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	50.04	18.34
		For Schedule 60, Add	*3.34*	
		For Schedule 80, Add	*6.05*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	63.88	22.93
		For Schedule 60, Add	*4.50*	
		For Schedule 80, Add	*8.03*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	80.24	27.52
		For Schedule 60, Add	*6.30*	
		For Schedule 80, Add	*10.88*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	99.21	32.11
		For Schedule 60, Add	*8.75*	
		For Schedule 80, Add	*14.66*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	122.18	38.99
		For Schedule 60, Add	*11.05*	
		For Schedule 80, Add	*18.40*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	147.80	45.87
		For Schedule 60, Add	*14.02*	
		For Schedule 80, Add	*23.06*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	203.16	57.33
		For Schedule 60, Add	*22.12*	
		For Schedule 80, Add	*35.27*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1879 for conduit field bending.	242.28	68.80
		For Schedule 60, Add	*26.17*	
		For Schedule 80, Add	*41.80*	
26 05 33 13-1528		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	114.07	30.57
		For Schedule 80, Add	*24.63*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	134.11	35.41
		For Schedule 80, Add	*29.24*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	151.68	40.24
		For Schedule 80, Add	*32.97*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	183.94	44.26
		For Schedule 80, Add	*42.25*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	244.61	55.53
		For Schedule 80, Add	*57.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	316.32	75.64
		For Schedule 80, Add	*72.89*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	386.93	85.30
		For Schedule 80, Add	*92.78*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	454.10	111.05
		For Schedule 80, Add	*103.41*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	123.79	30.57
		For Schedule 80, Add	*28.04*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	157.49	35.41
		For Schedule 80, Add	*37.42*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	185.15	40.24
		For Schedule 80, Add	*44.69*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	200.51	44.26
		For Schedule 80, Add	*48.05*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	295.68	55.53
		For Schedule 80, Add	*75.73*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	390.58	75.64
		For Schedule 80, Add	*98.88*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	432.65	85.30
		For Schedule 80, Add	*108.78*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	509.45	111.05
		For Schedule 80, Add	*122.78*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	149.99	30.57
		For Schedule 80, Add	*37.21*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	168.47	35.41
		For Schedule 80, Add	*41.26*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	191.60	40.24
		For Schedule 80, Add	*46.94*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	231.75	44.26
		For Schedule 80, Add	*58.98*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	314.70	55.53
		For Schedule 80, Add	*82.38*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	406.54	75.64
		For Schedule 80, Add	*104.47*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	493.51	85.30
		For Schedule 80, Add	*130.08*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	564.11	111.05
		For Schedule 80, Add	*141.91*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	155.34	30.57
		For Schedule 80, Add	*39.08*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	200.95	35.41
		For Schedule 80, Add	*52.63*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	217.36	40.24
		For Schedule 80, Add	*55.96*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	232.91	44.26
		For Schedule 80, Add	*59.39*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	356.60	55.53
		For Schedule 80, Add	*97.05*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	500.44	75.64
		For Schedule 80, Add	*137.33*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	579.01	85.30
		For Schedule 80, Add	*160.00*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	665.37	111.05
		For Schedule 80, Add	*177.35*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,061.32	180.75
		For Schedule 80, Add	*280.93*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,546.91	272.36
		For Schedule 80, Add	*405.43*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	175.89	30.57
		For Schedule 80, Add	*46.27*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	206.45	35.41
		For Schedule 80, Add	*54.56*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	233.90	40.24
		For Schedule 80, Add	*61.75*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	290.01	44.26
		For Schedule 80, Add	*79.37*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	397.49	55.53
		For Schedule 80, Add	*111.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	567.60	75.64
		For Schedule 80, Add	*160.84*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	643.22	85.30
		For Schedule 80, Add	*182.48*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	776.82	111.05
		For Schedule 80, Add	*216.36*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,126.52	180.75
		For Schedule 80, Add	*303.75*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,599.70	272.36
		For Schedule 80, Add	*423.90*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.69	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	19.20	7.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.83	8.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	24.56	9.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.88*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	30.46	11.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.60*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	36.96	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.32*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	50.54	18.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	63.67	22.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	82.57	29.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.36*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	100.16	36.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.52*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	131.73	45.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.40*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	163.94	57.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.00*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.87	5.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.13*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.54	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.23	7.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.72	8.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	32.02	9.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.88*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.36	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	42.96	11.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	48.71	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.32*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	57.63	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	63.79	18.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	80.21	20.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.48*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	90.22	22.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	18.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.29*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	22.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.34*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	24.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.04*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	27.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	30.24	11.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.60*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	36.66	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.32*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	49.94	18.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	62.84	22.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	81.50	29.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.36*	
26 05 33 13-1613		EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	99.07	36.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.52*	
26 05 33 13-1614		EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	129.57	45.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.40*	
26 05 33 13-1615		EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	161.35	57.33
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.00*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617		EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	51.71	18.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 33 13-1618		EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	59.86	20.64
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.48*	
26 05 33 13-1619		EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	66.49	22.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	
26 05 33 13-1620		EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	81.87	27.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 05 33 13-1621		EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	101.32	34.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.80*	
26 05 33 13-1622		EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	130.36	41.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.96*	
26 05 33 13-1623		EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	216.16	45.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.40*	
26 05 33 13-1624		EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	231.18	50.46
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.84*	
26 05 33 13-1625		EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	251.93	57.33
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.00*	
26 05 33 13-1626		EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	281.99	66.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.88*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628		EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	69.67	24.76
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-1629		EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	77.85	27.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-1630		EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	84.27	29.71
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.28*	
26 05 33 13-1631		EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	104.67	34.67
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-1632		EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	126.52	42.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.57*	
26 05 33 13-1633		EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	154.96	49.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635		EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	107.07	22.93
26 05 33 13-1636		EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	119.80	27.52
26 05 33 13-1637		EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	133.29	32.11
26 05 33 13-1638		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	146.04	36.70
26 05 33 13-1639		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	158.48	41.28
26 05 33 13-1640		EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	173.35	45.87
26 05 33 13-1641		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	211.18	52.74
26 05 33 13-1642		EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	251.97	59.63
26 05 33 13-1643		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	294.65	68.80
26 05 33 13-1644		EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	350.09	80.27
26 05 33 13-1645		EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	460.45	96.33
26 05 33 13-1646		EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	604.64	123.84

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648		EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	14.09	4.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.44*	
26 05 33 13-1649		EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.68	5.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.13*	
26 05 33 13-1650		EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	19.22	6.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1651		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.89	7.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 05 33 13-1652		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	26.62	8.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 33 13-1653		EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	31.31	9.17
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.88*	
26 05 33 13-1654		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	44.05	10.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-1655		EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	48.35	11.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	61.32	13.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	73.71	14.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	85.74	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	107.99	18.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	143.05	41.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.96*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	149.27	27.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	361.34	45.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.40*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	703.01	66.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.88*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.20	1.88
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.23	2.06
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.38	2.39
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.54	2.76
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.15	3.21
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.45	3.67
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.42	4.36
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	21.64	5.04
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	25.05	5.96
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	29.62	7.34
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	39.89	10.32
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	52.03	13.76

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	106.21	9.17
		For 24" Radius, Add	*7.39*	
		For 36" Radius, Add	*10.62*	
		For 48" Radius, Add	*13.85*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	118.46	10.09
		For 24" Radius, Add	*8.25*	
		For 36" Radius, Add	*11.85*	
		For 48" Radius, Add	*15.44*	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	122.85	11.47
		For 24" Radius, Add	*8.50*	
		For 36" Radius, Add	*12.29*	
		For 48" Radius, Add	*16.07*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	131.80	14.67
		For 24" Radius, Add	*8.97*	
		For 36" Radius, Add	*13.18*	
		For 48" Radius, Add	*17.39*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	141.91	18.34
		For 24" Radius, Add	*9.50*	
		For 36" Radius, Add	*14.19*	
		For 48" Radius, Add	*18.89*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	166.62	22.93
		For 24" Radius, Add	*11.06*	
		For 36" Radius, Add	*16.66*	
		For 48" Radius, Add	*22.26*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	199.61	27.52
		For 24" Radius, Add	*13.25*	
		For 36" Radius, Add	*19.96*	
		For 48" Radius, Add	*26.67*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	237.24	32.11
		For 24" Radius, Add	*15.79*	
		For 36" Radius, Add	*23.72*	
		For 48" Radius, Add	*31.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1688		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	274.06	38.99
			For 24" Radius, Add	*18.12*	
			For 36" Radius, Add	*27.41*	
			For 48" Radius, Add	*36.69*	
26 05 33 13-1689		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	310.88	45.87
			For 24" Radius, Add	*20.45*	
			For 36" Radius, Add	*31.09*	
			For 48" Radius, Add	*41.73*	
26 05 33 13-1690		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	388.61	57.33
			For 24" Radius, Add	*25.56*	
			For 36" Radius, Add	*38.86*	
			For 48" Radius, Add	*52.16*	
26 05 33 13-1691		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	478.58	68.80
			For 24" Radius, Add	*31.59*	
			For 36" Radius, Add	*47.86*	
			For 48" Radius, Add	*64.12*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	91.22	9.17
			For 24" Radius, Add	*6.27*	
			For 36" Radius, Add	*9.12*	
			For 48" Radius, Add	*11.98*	
26 05 33 13-1694		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	101.68	10.09
			For 24" Radius, Add	*7.00*	
			For 36" Radius, Add	*10.17*	
			For 48" Radius, Add	*13.34*	
26 05 33 13-1695		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	105.90	11.47
			For 24" Radius, Add	*7.23*	
			For 36" Radius, Add	*10.59*	
			For 48" Radius, Add	*13.95*	
26 05 33 13-1696		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	114.68	14.67
			For 24" Radius, Add	*7.68*	
			For 36" Radius, Add	*11.47*	
			For 48" Radius, Add	*15.25*	
26 05 33 13-1697		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	124.63	18.34
			For 24" Radius, Add	*8.20*	
			For 36" Radius, Add	*12.46*	
			For 48" Radius, Add	*16.73*	
26 05 33 13-1698		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	146.95	22.93
			For 24" Radius, Add	*9.59*	
			For 36" Radius, Add	*14.70*	
			For 48" Radius, Add	*19.80*	
26 05 33 13-1699		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	176.06	27.52
			For 24" Radius, Add	*11.48*	
			For 36" Radius, Add	*17.61*	
			For 48" Radius, Add	*23.73*	
26 05 33 13-1700		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	208.99	32.11
			For 24" Radius, Add	*13.67*	
			For 36" Radius, Add	*20.90*	
			For 48" Radius, Add	*28.13*	
26 05 33 13-1701		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	242.28	38.99
			For 24" Radius, Add	*15.73*	
			For 36" Radius, Add	*24.23*	
			For 48" Radius, Add	*32.72*	
26 05 33 13-1702		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	275.57	45.87
			For 24" Radius, Add	*17.80*	
			For 36" Radius, Add	*27.56*	
			For 48" Radius, Add	*37.31*	
26 05 33 13-1703		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	344.46	57.33
			For 24" Radius, Add	*22.25*	
			For 36" Radius, Add	*34.45*	
			For 48" Radius, Add	*46.64*	
26 05 33 13-1704		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	423.40	68.80
			For 24" Radius, Add	*27.46*	
			For 36" Radius, Add	*42.34*	
			For 48" Radius, Add	*57.23*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	84.76	8.26
			For 24" Radius, Add	*5.84*	
			For 36" Radius, Add	*8.48*	
			For 48" Radius, Add	*11.11*	
26 05 33 13-1707		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	94.49	9.08
			For 24" Radius, Add	*6.52*	
			For 36" Radius, Add	*9.45*	
			For 48" Radius, Add	*12.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	98.32	10.32
		For 24" Radius, Add	*6.73*	
		For 36" Radius, Add	*9.83*	
		For 48" Radius, Add	*12.94*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	106.26	13.21
		For 24" Radius, Add	*7.14*	
		For 36" Radius, Add	*10.63*	
		For 48" Radius, Add	*14.11*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	115.23	16.51
		For 24" Radius, Add	*7.61*	
		For 36" Radius, Add	*11.52*	
		For 48" Radius, Add	*15.44*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	135.75	20.64
		For 24" Radius, Add	*8.89*	
		For 36" Radius, Add	*13.58*	
		For 48" Radius, Add	*18.26*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	162.65	24.77
		For 24" Radius, Add	*10.65*	
		For 36" Radius, Add	*16.27*	
		For 48" Radius, Add	*21.88*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	193.11	28.90
		For 24" Radius, Add	*12.68*	
		For 36" Radius, Add	*19.31*	
		For 48" Radius, Add	*25.94*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	223.71	35.09
		For 24" Radius, Add	*14.59*	
		For 36" Radius, Add	*22.37*	
		For 48" Radius, Add	*30.16*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	254.28	41.28
		For 24" Radius, Add	*16.49*	
		For 36" Radius, Add	*25.43*	
		For 48" Radius, Add	*34.37*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	317.86	51.60
		For 24" Radius, Add	*20.61*	
		For 36" Radius, Add	*31.79*	
		For 48" Radius, Add	*42.96*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	390.87	61.93
		For 24" Radius, Add	*25.45*	
		For 36" Radius, Add	*39.09*	
		For 48" Radius, Add	*52.73*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	80.60	8.26
		For 24" Radius, Add	*5.53*	
		For 36" Radius, Add	*8.06*	
		For 48" Radius, Add	*10.59*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	89.83	9.08
		For 24" Radius, Add	*6.17*	
		For 36" Radius, Add	*8.98*	
		For 48" Radius, Add	*11.80*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	93.61	10.32
		For 24" Radius, Add	*6.38*	
		For 36" Radius, Add	*9.36*	
		For 48" Radius, Add	*12.35*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	101.50	13.21
		For 24" Radius, Add	*6.79*	
		For 36" Radius, Add	*10.15*	
		For 48" Radius, Add	*13.51*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	110.43	16.51
		For 24" Radius, Add	*7.25*	
		For 36" Radius, Add	*11.04*	
		For 48" Radius, Add	*14.84*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	130.29	20.64
		For 24" Radius, Add	*8.48*	
		For 36" Radius, Add	*13.03*	
		For 48" Radius, Add	*17.58*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	156.11	24.77
		For 24" Radius, Add	*10.16*	
		For 36" Radius, Add	*15.61*	
		For 48" Radius, Add	*21.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	185.26	28.90
		For 24" Radius, Add	*12.09*	
		For 36" Radius, Add	*18.53*	
		For 48" Radius, Add	*24.96*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	214.88	35.09
		For 24" Radius, Add	*13.92*	
		For 36" Radius, Add	*21.49*	
		For 48" Radius, Add	*29.05*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	244.47	41.28
		For 24" Radius, Add	*15.76*	
		For 36" Radius, Add	*24.45*	
		For 48" Radius, Add	*33.14*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	305.59	51.60
		For 24" Radius, Add	*19.69*	
		For 36" Radius, Add	*30.56*	
		For 48" Radius, Add	*41.42*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	375.54	61.93
		For 24" Radius, Add	*24.30*	
		For 36" Radius, Add	*37.55*	
		For 48" Radius, Add	*50.81*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	50.54	6.43
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.76	7.34
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	59.46	8.26
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.07	9.17
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	68.60	11.47
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	81.95	13.76
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	103.10	18.34
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	126.00	22.93
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	151.79	29.81
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	177.59	36.70
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	221.97	45.87
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	277.42	57.33

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	35.51	6.43
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.96	7.34
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.49	8.26
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	45.01	9.17
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.97	11.47
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	56.83	13.76
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	72.79	18.34
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	89.64	22.93
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	110.88	29.81
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	132.13	36.70
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	165.20	45.87
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	206.45	57.33

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	40.24	5.27
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	45.22	7.34
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.82	8.26
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	50.27	9.17
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	56.63	11.47
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	67.69	13.76
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	85.80	18.34
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	105.24	22.93
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	128.42	29.81
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	151.62	36.70
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	189.49	45.87
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	236.90	57.33

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	83.98	22.93
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	98.36	27.52
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	110.16	32.11
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.83	36.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	133.97	41.28
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	151.30	45.87
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	175.82	52.74
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	201.82	59.63
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	231.34	68.80
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	266.60	80.27
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	311.75	91.74
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	361.01	103.20

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	94.80	22.93
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	110.50	27.52
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	122.36	32.11
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	134.15	36.70
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	146.40	41.28
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	165.49	45.87
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	192.86	52.74
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	222.26	59.63
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	254.34	68.80
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	292.17	80.27
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	343.80	91.74
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	401.07	103.20

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	105.17	6.43
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	117.33	7.34
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	122.67	8.26
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	128.13	9.17
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	135.51	11.47
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	151.41	13.76
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	186.29	18.34
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	225.75	22.93
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	264.01	29.81
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	302.28	36.70
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	377.92	45.87
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	470.36	57.33

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	113.63	22.93
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	131.36	27.52
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	157.55	32.11
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	195.94	36.70
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	246.04	41.28
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	326.36	45.87
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	464.98	52.74
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	562.12	59.63
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	679.99	68.80
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	803.60	80.27
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	945.52	91.74
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,473.84	103.20

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	95.70	18.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	111.03	20.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.48*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	147.94	22.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	180.72	27.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	229.90	34.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.80*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	316.39	41.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.96*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	520.13	48.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.12*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	670.57	55.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.28*	
26 05 33 13-1831		EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	806.77	64.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.16*	
26 05 33 13-1832		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	942.96	73.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.04*	
26 05 33 13-1833		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,112.45	82.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.92*	
26 05 33 13-1834		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,261.97	91.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.80*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837		EA	1/2" Explosion Proof Malleable Iron Conduit Union	46.96	10.32
26 05 33 13-1838		EA	3/4" Explosion Proof Malleable Iron Conduit Union	57.65	11.41
26 05 33 13-1839		EA	1" Explosion Proof Malleable Iron Conduit Union	90.90	15.21
26 05 33 13-1840		EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	119.70	16.84
26 05 33 13-1841		EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	150.50	20.64
26 05 33 13-1842		EA	2" Explosion Proof Malleable Iron Conduit Union	187.15	23.89
26 05 33 13-1843		EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	284.33	34.14
26 05 33 13-1844		EA	3" Explosion Proof Malleable Iron Conduit Union	360.85	40.64
26 05 33 13-1845		EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	602.21	48.77
26 05 33 13-1846		EA	4" Explosion Proof Malleable Iron Conduit Union	640.76	62.31

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848		EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	165.56	32.59
26 05 33 13-1849		EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	186.64	36.93
26 05 33 13-1850		EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	218.11	40.73
26 05 33 13-1851		EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	187.50	40.73
26 05 33 13-1852		EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	223.47	48.88
26 05 33 13-1853		EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	264.12	55.94

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855		EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	136.97	27.16
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 05 33 13-1856		EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	140.42	30.42
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.81*	
26 05 33 13-1857		EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	153.29	33.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.85*	
26 05 33 13-1858		EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	196.67	40.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.55*	
26 05 33 13-1859		EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	250.35	47.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.84*	
26 05 33 13-1860		EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	320.51	54.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.73*	
26 05 33 13-1861		EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	456.90	81.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 05 33 13-1862		EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	577.35	101.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.41*	
26 05 33 13-1863		EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	809.95	112.17
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.13*	
26 05 33 13-1864		EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,041.19	121.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.45*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866		EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	356.73	12.49
26 05 33 13-1867		EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	466.36	14.12

26 05 33 13-1868 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-1869 Metallic Conduit Field Bending *(26 05 33 13-1868)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-1870		EA	1-1/4" Metallic Conduit Field Bending	22.22	
			For Aluminum Conduit Bending, Add	*14.67*	
26 05 33 13-1871		EA	1-1/2" Metallic Conduit Field Bending	27.77	
			For Aluminum Conduit Bending, Add	*18.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1872	EA	2" Metallic Conduit Field Bending	34.72	
		For Aluminum Conduit Bending, Add	*22.92*	
26 05 33 13-1873	EA	2-1/2" Metallic Conduit Field Bending	48.61	
		For Aluminum Conduit Bending, Add	*32.08*	
26 05 33 13-1874	EA	3" Metallic Conduit Field Bending	62.50	
		For Aluminum Conduit Bending, Add	*41.25*	
26 05 33 13-1875	EA	3-1/2" Metallic Conduit Field Bending	83.32	
		For Aluminum Conduit Bending, Add	*54.99*	
26 05 33 13-1876	EA	4" Metallic Conduit Field Bending	97.21	
		For Aluminum Conduit Bending, Add	*64.16*	
26 05 33 13-1877	EA	5" Metallic Conduit Field Bending	111.09	
		For Aluminum Conduit Bending, Add	*73.32*	
26 05 33 13-1878	EA	6" Metallic Conduit Field Bending	131.93	
		For Aluminum Conduit Bending, Add	*87.07*	

26 05 33 13-1879 Plastic Conduit Field Bending *(26 05 33 13-1868)*

Note: For PVC conduits.

26 05 33 13-1880	EA	1" Plastic Conduit Field Bending	31.94	
26 05 33 13-1881	EA	1-1/4" Plastic Conduit Field Bending	34.72	
26 05 33 13-1882	EA	1-1/2" Plastic Conduit Field Bending	41.66	
26 05 33 13-1883	EA	2" Plastic Conduit Field Bending	55.55	
26 05 33 13-1884	EA	2-1/2" Plastic Conduit Field Bending	69.43	
26 05 33 13-1885	EA	3" Plastic Conduit Field Bending	83.32	
26 05 33 13-1886	EA	3-1/2" Plastic Conduit Field Bending	97.21	
26 05 33 13-1887	EA	4" Plastic Conduit Field Bending	111.09	
26 05 33 13-1888	EA	5" Plastic Conduit Field Bending	124.98	
26 05 33 13-1889	EA	6" Plastic Conduit Field Bending	138.87	

26 05 33 13-1890 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-1891	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	40.73	
		For Work In Restricted Working Space, Add	*12.22*	
26 05 33 13-1892	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	44.81	
		For Work In Restricted Working Space, Add	*13.44*	
26 05 33 13-1893	EA	1", Cut And Thread Existing In-Place Threaded Conduit	48.88	
		For Work In Restricted Working Space, Add	*14.66*	
26 05 33 13-1894	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	52.95	
		For Work In Restricted Working Space, Add	*15.89*	
26 05 33 13-1895	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	55.67	
		For Work In Restricted Working Space, Add	*16.70*	
26 05 33 13-1896	EA	2", Cut And Thread Existing In-Place Threaded Conduit	58.38	
		For Work In Restricted Working Space, Add	*17.51*	
26 05 33 13-1897	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	61.09	
		For Work In Restricted Working Space, Add	*18.33*	
26 05 33 13-1898	EA	3", Cut And Thread Existing In-Place Threaded Conduit	63.82	
		For Work In Restricted Working Space, Add	*19.15*	
26 05 33 13-1899	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	65.18	
		For Work In Restricted Working Space, Add	*19.55*	
26 05 33 13-1900	EA	4", Cut And Thread Existing In-Place Threaded Conduit	66.53	
		For Work In Restricted Working Space, Add	*19.96*	
26 05 33 13-1901	EA	5", Cut And Thread Existing In-Place Threaded Conduit	69.25	
		For Work In Restricted Working Space, Add	*20.78*	
26 05 33 13-1902	EA	6", Cut And Thread Existing In-Place Threaded Conduit	71.96	
		For Work In Restricted Working Space, Add	*21.59*	

26 05 33 13-1903 Flexible Conduit *(26 05 33 13-0058)*

26 05 33 13-1904 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-1903)*

Note: Steel inner core with PVC cover.

26 05 33 13-1905 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-1904)*

26 05 33 13-1906	LF	3/8" Flexible Liquid Tight Metallic Conduit	5.21	1.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-1907	LF	1/2" Flexible Liquid Tight Metallic Conduit	5.43	1.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-1908	LF	3/4" Flexible Liquid Tight Metallic Conduit	7.29	1.98
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-1909	LF	1" Flexible Liquid Tight Metallic Conduit	8.48	1.98
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-1910	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	10.99	2.48
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.86*	
26 05 33 13-1911	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	14.16	2.97
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1912	LF	2" Flexible Liquid Tight Metallic Conduit	18.61	3.96
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-1913	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	25.53	4.46
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.67*	
		For Work In Restricted Working Space, Add	*3.34*	
26 05 33 13-1914	LF	3" Flexible Liquid Tight Metallic Conduit	37.82	5.45
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.04*	
		For Work In Restricted Working Space, Add	*4.09*	
26 05 33 13-1915	LF	4" Flexible Liquid Tight Metallic Conduit	51.87	6.93
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.20*	

26 05 33 13-1916 Straight Liquid Tight Connector *(26 05 33 13-1904)*

26 05 33 13-1917	EA	3/8" Straight Liquid Tight Connector	14.17	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1918	EA	1/2" Straight Liquid Tight Connector	14.17	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-1919	EA	3/4" Straight Liquid Tight Connector	17.26	4.46
		For Work In Restricted Working Space, Add	*3.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.34*	
26 05 33 13-1920	EA	1" Straight Liquid Tight Connector	23.29	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1921	EA	1-1/4" Straight Liquid Tight Connector	30.12	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-1922	EA	1-1/2" Straight Liquid Tight Connector	38.40	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1923	EA	2" Straight Liquid Tight Connector	53.19	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1924	EA	2-1/2" Straight Liquid Tight Connector	185.09	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-1925	EA	3" Straight Liquid Tight Connector	239.12	9.41
		For Work In Restricted Working Space, Add	*7.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-1926	EA	4" Straight Liquid Tight Connector	292.15	13.87
		For Work In Restricted Working Space, Add	*10.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	

26 05 33 13-1927 90 Degree Angle Liquid Tight Connector *(26 05 33 13-1904)*

26 05 33 13-1928	EA	3/8" 90 Degree Angle Liquid Tight Connector	20.75	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-1929	EA	1/2" 90 Degree Angle Liquid Tight Connector	21.67	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-1930	EA	3/4" 90 Degree Angle Liquid Tight Connector	24.54	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1931	EA	1" 90 Degree Angle Liquid Tight Connector	34.93	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1932	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	44.31	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1933	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	54.00	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-1934	EA	2" 90 Degree Angle Liquid Tight Connector	71.79	8.91
		For Work In Restricted Working Space, Add	*6.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-1935	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	259.27	9.41
		For Work In Restricted Working Space, Add	*7.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-1936	EA	3" 90 Degree Angle Liquid Tight Connector	306.40	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-1937	EA	4" 90 Degree Angle Liquid Tight Connector	423.35	17.33
		For Work In Restricted Working Space, Add	*13.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.00*	

26 05 33 13-1938 45 Degree Angle Connector *(26 05 33 13-1904)*

26 05 33 13-1939	EA	3/8" 45 Degree Angle Liquid Tight Connector	20.44	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1940	EA	1/2" 45 Degree Angle Liquid Tight Connector	20.66	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-1941	EA	3/4" 45 Degree Angle Liquid Tight Connector	24.54	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-1942	EA	1" 45 Degree Angle Liquid Tight Connector	37.44	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1943	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	42.68	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1944	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	47.93	7.93
		For Work In Restricted Working Space, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	

26 05 33 13-1945 Flexible Metallic Conduit And Connectors *(26 05 33 13-1903)*

26 05 33 13-1946 Flexible Steel Conduit *(26 05 33 13-1945)*

26 05 33 13-1947	LF	3/8" Flexible Metallic Conduit	4.85	1.62
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.60*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.19*	
26 05 33 13-1948	LF	1/2" Flexible Metallic Conduit	5.02	1.62
		For Flexible Aluminum Conduit, Add	*0.16*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.61*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.02*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-1949	LF	3/4" Flexible Metallic Conduit	5.71	2.17
		For Flexible Aluminum Conduit, Add	*0.22*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.66*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.32*	
26 05 33 13-1950	LF	1" Flexible Metallic Conduit	7.19	2.17
		For Flexible Aluminum Conduit, Add	*0.40*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.71*	
		For Installation In Metal Stud Wall, Add	*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.19*	
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-1951	LF	1-1/4" Flexible Metallic Conduit	8.21	2.71
		For Flexible Aluminum Conduit, Add	*0.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.75*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.50*	
26 05 33 13-1952	LF	1-1/2" Flexible Metallic Conduit	10.83	3.25
		For Flexible Aluminum Conduit, Add	*0.93*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.78*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.31*	
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1953	LF	2" Flexible Metallic Conduit	12.30	4.33
		For Flexible Aluminum Conduit, Add	*1.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.81*	
		For Installation In Metal Stud Wall, Add	*0.54*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.36*	
		For Work In Restricted Working Space, Add	*1.63*	
26 05 33 13-1954	LF	2-1/2" Flexible Steel Conduit	15.09	4.87
		For Flexible Aluminum Conduit, Add	*1.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.02*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-1955	LF	3" Flexible Metallic Conduit	22.58	5.96
		For Flexible Aluminum Conduit, Add	*2.39*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.22*	
		For Installation In Metal Stud Wall, Add	*0.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.03*	
		For Work In Restricted Working Space, Add	*2.44*	
26 05 33 13-1956	LF	3-1/2" Flexible Metallic Conduit	27.71	6.50
		For Flexible Aluminum Conduit, Add	*3.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.42*	
		For Installation In Metal Stud Wall, Add	*0.95*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.37*	
		For Work In Restricted Working Space, Add	*2.85*	
26 05 33 13-1957	LF	4" Flexible Metallic Conduit	31.87	7.58
		For Flexible Aluminum Conduit, Add	*3.47*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.63*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.71*	
		For Work In Restricted Working Space, Add	*3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1958		**Plain Squeeze Type Straight Connector** *(26 05 33 13-1945)*		
26 05 33 13-1959	EA	3/8" Flexible Straight Connectors, Plain	8.32	4.33
		For Work In Restricted Working Space, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	
26 05 33 13-1960	EA	1/2" Flexible Straight Connectors, Plain	10.29	4.87
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-1961	EA	3/4" Flexible Straight Connectors, Plain	11.83	5.96
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-1962	EA	1" Flexible Straight Connectors, Plain	18.98	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1963	EA	1-1/4" Flexible Straight Connectors, Plain	26.88	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1964	EA	1-1/2" Flexible Straight Connectors, Plain	35.44	9.22
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-1965	EA	2" Flexible Straight Connectors, Plain	46.64	9.22
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 33 13-1966	EA	2-1/2" Flexible Straight Connectors, Plain	75.41	11.38
		For Work In Restricted Working Space, Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-1967	EA	3" Flexible Straight Connectors, Plain	98.78	12.47
		For Work In Restricted Working Space, Add	*8.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 33 13-1968	EA	3-1/2" Flexible Straight Connectors, Plain	307.69	14.63
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1969	EA	4" Flexible Straight Connectors, Plain	384.57	17.88
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1970		**Insulated Throat Squeeze Type Straight Connector** *(26 05 33 13-1945)*		
26 05 33 13-1971	EA	1/2" Flexible Straight Connectors, Insulated	11.50	4.87
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-1972	EA	3/4" Flexible Straight Connectors, Insulated	13.42	5.96
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-1973	EA	1" Flexible Straight Connectors, Insulated	21.15	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1974	EA	1-1/4" Flexible Straight Connectors, Insulated	30.86	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1975	EA	1-1/2" Flexible Straight Connectors, Insulated	42.51	8.12
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-1976	EA	2" Flexible Straight Connectors, Insulated	59.13	9.22
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 33 13-1977	EA	2-1/2" Flexible Straight Connectors, Insulated	102.14	11.38
		For Work In Restricted Working Space, Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-1978	EA	3" Flexible Straight Connectors, Insulated	130.29	12.47
		For Work In Restricted Working Space, Add	*8.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 33 13-1979	EA	3-1/2" Flexible Straight Connectors, Insulated	356.27	14.63
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1980	EA	4" Flexible Straight Connectors, Insulated	457.60	17.88
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1981		**Plain Squeeze Type 90 Degree Connector** *(26 05 33 13-1945)*		
26 05 33 13-1982	EA	3/8" Flexible 90 Degree Connector, Plain	11.67	5.42
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-1983	EA	1/2" Flexible 90 Degree Connector, Plain	15.44	5.96
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1984	EA	3/4" Flexible 90 Degree Connector, Plain	20.15	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1985	EA	1" Flexible 90 Degree Connector, Plain	28.24	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1986	EA	1-1/4" Flexible 90 Degree Connector, Plain	44.15	8.12
		For Work In Restricted Working Space, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.88*	
26 05 33 13-1987	EA	1-1/2" Flexible 90 Degree Connector, Plain	69.07	9.49
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 33 13-1988	EA	2" Flexible 90 Degree Connector, Plain	83.32	11.65
		For Work In Restricted Working Space, Add	*6.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1989	EA	2-1/2" Flexible 90 Degree Connector, Plain	184.24	12.47
		For Work In Restricted Working Space, Add	*8.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 33 13-1990	EA	3" Flexible 90 Degree Connector, Plain	236.78	14.63
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-1991	EA	3-1/2" Flexible 90 Degree Connector, Plain	503.02	17.88
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1992	EA	4" Flexible 90 Degree Connector, Plain	899.12	20.32
		For Work In Restricted Working Space, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	

26 05 33 13-1993 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-1945)*

26 05 33 13-1994	EA	1/2" Flexible 90 Degree Connector, Insulated	17.12	5.96
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-1995	EA	3/4" Flexible 90 Degree Connector, Insulated	22.22	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1996	EA	1" Flexible 90 Degree Connector, Insulated	28.24	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1997	EA	1-1/4" Flexible 90 Degree Connector, Insulated	51.53	8.12
		For Work In Restricted Working Space, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.88*	
26 05 33 13-1998	EA	1-1/2" Flexible 90 Degree Connector, Insulated	82.46	9.49
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 33 13-1999	EA	2" Flexible 90 Degree Connector, Insulated	105.09	11.65
		For Work In Restricted Working Space, Add	*6.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-2000	EA	2-1/2" Flexible 90 Degree Connector, Insulated	252.30	12.47
		For Work In Restricted Working Space, Add	*8.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 33 13-2001	EA	3" Flexible 90 Degree Connector, Insulated	310.51	14.63
		For Work In Restricted Working Space, Add	*9.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 05 33 13-2002	EA	3-1/2" Flexible 90 Degree Connector, Insulated	837.21	17.88
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-2003	EA	4" Flexible 90 Degree Connector, Insulated	1,249.15	20.32
		For Work In Restricted Working Space, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	

26 05 33 13-2004 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-1945)*

26 05 33 13-2005	EA	3/8" Flexible 45 Degree Connector, Plain	13.03	5.42
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2006	EA	1/2" Flexible 45 Degree Connector, Plain	17.61	5.96
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-2007	EA	3/4" Flexible 45 Degree Connector, Plain	22.58	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	

26 05 33 13-2008 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-1945)*

26 05 33 13-2009	EA	3/8" Flexible 45 Degree Connector, Insulated	13.97	6.50
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2010	EA	1/2" Flexible 45 Degree Connector, Insulated	19.15	5.96
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-2011	EA	3/4" Flexible 45 Degree Connector, Insulated	24.75	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	

26 05 33 13-2012 Plain Screw-In Connector *(26 05 33 13-1945)*

26 05 33 13-2013	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.92	4.33
		For Work In Restricted Working Space, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2014	EA	1/2" Flexible Steel Screw-in Connector, Plain	7.45	4.87
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2015	EA	3/4" Flexible Steel Screw-in Connector, Plain	9.50	5.96
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2016	EA	1" Flexible Steel Screw-in Connector, Plain	13.62	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-2017	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	20.05	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2018	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	24.50	8.12
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2019	EA	2" Flexible Steel Screw-in Connector, Plain	36.04	9.22
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	

26 05 33 13-2020 Insulated Screw-In Connector *(26 05 33 13-1945)*

26 05 33 13-2021	EA	3/8" Flexible Steel Screw-in Connector, Insulated	7.32	4.33
		For Work In Restricted Working Space, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	
26 05 33 13-2022	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.77	4.87
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2023	EA	3/4" Flexible Steel Screw-in Connector, Insulated	10.33	5.96
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2024	EA	1" Flexible Steel Screw-in Connector, Insulated	14.87	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-2025	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	21.84	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2026	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	26.65	8.12
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2027	EA	2" Flexible Steel Screw-in Connector, Insulated	37.93	9.22
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	

26 05 33 13-2028 Screw-In Coupling *(26 05 33 13-1945)*

26 05 33 13-2029	EA	1/2" Flexible Steel Screw-in Coupling	8.24	4.87
		For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-2030	EA	3/4" Flexible Steel Screw-in Coupling	10.80	5.96
		For Work In Restricted Working Space, Add	*2.44*	

26 05 33 13-2031 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-1945)*

26 05 33 13-2032	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	11.10	4.33
		For Work In Restricted Working Space, Add	*1.83*	
26 05 33 13-2033	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	15.10	4.87
		For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-2034	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	19.97	5.96
		For Work In Restricted Working Space, Add	*2.44*	

26 05 33 13-2035 Die Cast Squeeze Type Straight Connector *(26 05 33 13-1945)*

26 05 33 13-2036	EA	3/8" Flexible Straight Connector, Die Cast	7.17	4.33
		For Work In Restricted Working Space, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.83*	
26 05 33 13-2037	EA	1/2" Flexible Straight Connector, Die Cast	8.10	4.87
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2038	EA	3/4" Flexible Straight Connector, Die Cast	10.06	5.96
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2039	EA	1" Flexible Straight Connector, Die Cast	15.16	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-2040	EA	1-1/4" Flexible Straight Connector, Die Cast	20.43	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2041	EA	1-1/2" Flexible Straight Connector, Die Cast	27.73	8.12
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2042	EA	2" Flexible Straight Connector, Die Cast	35.86	9.22
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2043		**Die Cast Squeeze Type 90 Degree Connector** *(26 05 33 13-1945)*		
26 05 33 13-2044	EA	3/8" Flexible 90 Degree Connector, Die Cast	9.48	5.42
		For Work In Restricted Working Space, Add	*2.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.44*	
26 05 33 13-2045	EA	1/2" Flexible 90 Degree Connector, Die Cast	11.78	5.96
		For Work In Restricted Working Space, Add	*2.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.85*	
26 05 33 13-2046	EA	3/4" Flexible 90 Degree Connector, Die Cast	14.29	6.50
		For Work In Restricted Working Space, Add	*3.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-2047	EA	1" Flexible 90 Degree Connector, Die Cast	22.67	7.58
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2048	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	32.18	8.12
		For Work In Restricted Working Space, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.88*	
26 05 33 13-2049	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	50.03	9.49
		For Work In Restricted Working Space, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 05 33 13-2050	EA	2" Flexible 90 Degree Connector, Die Cast	59.83	11.65
		For Work In Restricted Working Space, Add	*6.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-2051		**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-1903)*		
26 05 33 13-2052		**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2051)*		
26 05 33 13-2053	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.91	1.49
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2054	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	5.01	1.49
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2055	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	6.76	1.98
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2056	LF	1" Flexible Liquid Tight Non-Metallic Conduit	8.59	1.98
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2057	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	10.91	2.48
		For Work In Restricted Working Space, Add	*1.86*	
26 05 33 13-2058	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	14.00	2.97
		For Work In Restricted Working Space, Add	*2.23*	
26 05 33 13-2059	LF	2" Flexible Liquid Tight Non-Metallic Conduit	17.90	3.96
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-2060		**Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2051)*		
26 05 33 13-2061	EA	3/8" Liquid Tight Non-Metallic Straight Connector	14.31	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-2062	EA	1/2" Liquid Tight Non-Metallic Straight Connector	14.31	3.96
		For Work In Restricted Working Space, Add	*2.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	
26 05 33 13-2063	EA	3/4" Liquid Tight Non-Metallic Straight Connector	17.67	4.46
		For Work In Restricted Working Space, Add	*3.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.34*	
26 05 33 13-2064	EA	1" Liquid Tight Non-Metallic Straight Connector	22.20	4.96
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2065	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	31.24	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-2066	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	39.39	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-2067	EA	2" Liquid Tight Non-Metallic Straight Connector	62.31	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-2068		**Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2051)*		
26 05 33 13-2069	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	20.80	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-2070	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	20.80	5.45
		For Work In Restricted Working Space, Add	*4.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-2071	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	25.91	5.94
		For Work In Restricted Working Space, Add	*4.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-2072	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	37.27	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-2073	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	38.41	7.43
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2074		EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	62.36	7.93
			For Work In Restricted Working Space, Add	*5.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-2075		EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	84.55	8.91
			For Work In Restricted Working Space, Add	*6.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-2076			**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2051)*		
26 05 33 13-2077		EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	20.80	5.45
			For Work In Restricted Working Space, Add	*4.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-2078		EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	20.80	5.45
			For Work In Restricted Working Space, Add	*4.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-2079		EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	25.91	5.94
			For Work In Restricted Working Space, Add	*4.46*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-2080		EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	37.27	6.93
			For Work In Restricted Working Space, Add	*5.20*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-2081		EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	38.41	7.43
			For Work In Restricted Working Space, Add	*5.57*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-2082		EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	62.36	7.93
			For Work In Restricted Working Space, Add	*5.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-2083		EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	84.55	8.91
			For Work In Restricted Working Space, Add	*6.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.69*	
26 05 33 13-2084			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-1903)*		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-2085			**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2084)*		
26 05 33 13-2086		LF	1/2" Blue ENT Electrical Non-Metallic Tubing	5.62	1.62
			For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2087		LF	3/4" Blue ENT Electrical Non-Metallic Tubing	7.60	2.17
			For Work In Restricted Working Space, Add	*1.63*	
26 05 33 13-2088		LF	1" Blue ENT Electrical Non-Metallic Tubing	8.94	2.17
			For Work In Restricted Working Space, Add	*1.63*	
26 05 33 13-2089			**Terminal Adapter** *(26 05 33 13-2084)*		
26 05 33 13-2090		EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	13.41	4.33
			For Work In Restricted Working Space, Add	*3.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-2091		EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	16.89	4.87
			For Work In Restricted Working Space, Add	*3.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.66*	
26 05 33 13-2092		EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	19.58	5.42
			For Work In Restricted Working Space, Add	*4.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2093			**Coupling** *(26 05 33 13-2084)*		
26 05 33 13-2094		EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	13.07	4.33
			For Work In Restricted Working Space, Add	*3.25*	
26 05 33 13-2095		EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	15.10	4.87
			For Work In Restricted Working Space, Add	*3.66*	
26 05 33 13-2096		EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	17.90	5.42
			For Work In Restricted Working Space, Add	*4.07*	
26 05 33 13-2097			**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2098			**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2097)*		
			Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2099			**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2098)*		
26 05 33 13-2100		EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.19	23.77
			For Mogul LB, Add	*5.86*	
			For Work In Restricted Working Space, Add	*17.83*	
			For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
			For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
			For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
			For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
			For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
			For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
			For Elevated Installation >40' Above Floor, Add	*32.68*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2101	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.07	27.23
		For Mogul LB, Add	*8.58*	
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2102	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.98	31.69
		For Mogul LB, Add	*13.10*	
		For Work In Restricted Working Space, Add	*23.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.62*	
		For Elevated Installation >40' Above Floor, Add	*43.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	
26 05 33 13-2103	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	124.35	36.15
		For Mogul LB, Add	*20.96*	
		For Work In Restricted Working Space, Add	*27.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.19*	
		For Elevated Installation >40' Above Floor, Add	*49.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 33 13-2104	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	142.86	39.62
		For Mogul LB, Add	*27.91*	
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2105	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	189.62	47.54
		For Mogul LB, Add	*47.14*	
		For Work In Restricted Working Space, Add	*35.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
		For Elevated Installation >40' Above Floor, Add	*65.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	
26 05 33 13-2106	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	323.79	66.85
		For Mogul LB, Add	*109.14*	
		For Work In Restricted Working Space, Add	*50.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*83.57*	
		For Elevated Installation >40' Above Floor, Add	*91.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.14*	
26 05 33 13-2107	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	425.11	89.13
		For Mogul LB, Add	*140.56*	
		For Work In Restricted Working Space, Add	*66.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.42*	
		For Elevated Installation >40' Above Floor, Add	*122.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2108	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	567.84	111.42
		For Mogul LB, Add	*203.04*	
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2109	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	741.20	135.68
		For Mogul LB, Add	*284.52*	
		For Work In Restricted Working Space, Add	*101.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*67.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*84.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*118.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*135.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*169.61*	
		For Elevated Installation >40' Above Floor, Add	*186.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.77*	

26 05 33 13-2110 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2098)*

26 05 33 13-2111	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.62	23.77
		For Mogul LB, Add	*6.93*	
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2112	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.47	27.23
		For Mogul LB, Add	*9.63*	
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2113	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	104.79	31.69
		For Mogul LB, Add	*15.21*	
		For Work In Restricted Working Space, Add	*23.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.62*	
		For Elevated Installation >40' Above Floor, Add	*43.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	
26 05 33 13-2114	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	127.78	36.15
		For Mogul LB, Add	*23.53*	
		For Work In Restricted Working Space, Add	*27.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.19*	
		For Elevated Installation >40' Above Floor, Add	*49.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 33 13-2115	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	148.70	39.62
		For Mogul LB, Add	*32.29*	
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2116	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	202.14	47.54
		For Mogul LB, Add	*56.53*	
		For Work In Restricted Working Space, Add	*35.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
		For Elevated Installation >40' Above Floor, Add	*65.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	
26 05 33 13-2117	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	317.48	66.85
		For Mogul LB, Add	*104.41*	
		For Work In Restricted Working Space, Add	*50.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*83.57*	
		For Elevated Installation >40' Above Floor, Add	*91.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.14*	
26 05 33 13-2118	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	403.88	89.13
		For Mogul LB, Add	*124.64*	
		For Work In Restricted Working Space, Add	*66.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.42*	
		For Elevated Installation >40' Above Floor, Add	*122.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.85*	
26 05 33 13-2119	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	585.93	111.42
		For Mogul LB, Add	*216.61*	
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2120	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	778.19	135.68
		For Mogul LB, Add	*312.27*	
		For Work In Restricted Working Space, Add	*101.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*67.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*84.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*118.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*135.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*169.61*	
		For Elevated Installation >40' Above Floor, Add	*186.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.77*	
26 05 33 13-2121		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2098)*		
26 05 33 13-2122	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	83.69	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2123	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	99.32	31.69
		For Work In Restricted Working Space, Add	*23.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.62*	
		For Elevated Installation >40' Above Floor, Add	*43.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2124	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	115.09	34.67
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-2125	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	142.13	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2126	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	164.94	43.58
		For Work In Restricted Working Space, Add	*32.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.47*	
		For Elevated Installation >40' Above Floor, Add	*59.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.68*	
26 05 33 13-2127	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	223.29	51.00
		For Work In Restricted Working Space, Add	*38.25*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.76*	
		For Elevated Installation >40' Above Floor, Add	*70.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.25*	
26 05 33 13-2128	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	354.94	74.28
		For Work In Restricted Working Space, Add	*55.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*65.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.85*	
		For Elevated Installation >40' Above Floor, Add	*102.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.71*	
26 05 33 13-2129	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	458.36	96.57
		For Work In Restricted Working Space, Add	*72.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*24.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.71*	
		For Elevated Installation >40' Above Floor, Add	*132.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.42*	
26 05 33 13-2130	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	747.72	118.84
		For Work In Restricted Working Space, Add	*89.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*29.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*59.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*74.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*103.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*118.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*148.56*	
		For Elevated Installation >40' Above Floor, Add	*163.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.14*	
26 05 33 13-2131	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	853.91	143.12
		For Work In Restricted Working Space, Add	*107.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*35.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*71.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*89.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*125.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*143.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*178.89*	
		For Elevated Installation >40' Above Floor, Add	*196.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.33*	

26 05 33 13-2132 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2098)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2133	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.91	23.77
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2134	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.48	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2135	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	102.42	31.20
		For Work In Restricted Working Space, Add	*23.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.00*	
		For Elevated Installation >40' Above Floor, Add	*42.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	
26 05 33 13-2136	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	126.41	36.15
		For Work In Restricted Working Space, Add	*27.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.19*	
		For Elevated Installation >40' Above Floor, Add	*49.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 33 13-2137	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	141.91	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2138	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	189.73	47.54
		For Work In Restricted Working Space, Add	*35.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
		For Elevated Installation >40' Above Floor, Add	*65.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	
26 05 33 13-2139	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	312.16	66.85
		For Work In Restricted Working Space, Add	*50.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*83.57*	
		For Elevated Installation >40' Above Floor, Add	*91.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.14*	
26 05 33 13-2140	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	400.49	89.13
		For Work In Restricted Working Space, Add	*66.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.42*	
		For Elevated Installation >40' Above Floor, Add	*122.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2141	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	575.05	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2142	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	744.60	135.68
		For Work In Restricted Working Space, Add	*101.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*67.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*84.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*118.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*135.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*169.61*	
		For Elevated Installation >40' Above Floor, Add	*186.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.77*	

26 05 33 13-2143 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2098)*

26 05 33 13-2144	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	97.15	31.20
		For Work In Restricted Working Space, Add	*23.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.00*	
		For Elevated Installation >40' Above Floor, Add	*42.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	
26 05 33 13-2145	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	112.56	34.67
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-2146	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	139.14	38.13
		For Work In Restricted Working Space, Add	*28.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.66*	
		For Elevated Installation >40' Above Floor, Add	*52.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.60*	
26 05 33 13-2147	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	160.54	43.58
		For Work In Restricted Working Space, Add	*32.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.47*	
		For Elevated Installation >40' Above Floor, Add	*59.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.68*	
26 05 33 13-2148	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	209.22	47.54
		For Work In Restricted Working Space, Add	*35.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
		For Elevated Installation >40' Above Floor, Add	*65.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	
26 05 33 13-2149	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	252.67	58.43
		For Work In Restricted Working Space, Add	*43.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*36.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*51.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*58.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*73.05*	
		For Elevated Installation >40' Above Floor, Add	*80.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2150	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	478.60	85.67
		For Work In Restricted Working Space, Add	*64.25*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*42.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*74.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*85.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*107.09*	
		For Elevated Installation >40' Above Floor, Add	*117.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.25*	
26 05 33 13-2151	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	588.32	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2152	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	846.23	137.67
		For Work In Restricted Working Space, Add	*103.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*34.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*69.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*86.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*121.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*138.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*173.32*	
		For Elevated Installation >40' Above Floor, Add	*190.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.99*	
26 05 33 13-2153	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	1,022.96	165.39
		For Work In Restricted Working Space, Add	*124.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*41.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*82.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*103.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*144.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*165.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*206.75*	
		For Elevated Installation >40' Above Floor, Add	*227.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.05*	

26 05 33 13-2154 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2097)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2155 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2154)*

26 05 33 13-2156	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	75.19	23.77
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2157	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	87.43	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2158	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	108.05	31.69
		For Work In Restricted Working Space, Add	*23.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.62*	
		For Elevated Installation >40' Above Floor, Add	*43.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	
26 05 33 13-2159	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.07	36.15
		For Work In Restricted Working Space, Add	*27.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.19*	
		For Elevated Installation >40' Above Floor, Add	*49.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2160	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	162.46	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2161	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	224.98	47.54
		For Work In Restricted Working Space, Add	*35.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.43*	
		For Elevated Installation >40' Above Floor, Add	*65.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.66*	
26 05 33 13-2162	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	384.38	66.85
		For Work In Restricted Working Space, Add	*50.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*83.57*	
		For Elevated Installation >40' Above Floor, Add	*91.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.14*	
26 05 33 13-2163	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	546.92	89.13
		For Work In Restricted Working Space, Add	*66.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*78.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.43*	
		For Elevated Installation >40' Above Floor, Add	*122.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.86*	
26 05 33 13-2164	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	758.33	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2165	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	906.56	135.68
		For Work In Restricted Working Space, Add	*101.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*67.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*84.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*118.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*135.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*169.61*	
		For Elevated Installation >40' Above Floor, Add	*186.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.77*	

26 05 33 13-2166 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2154)*

26 05 33 13-2167	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	78.84	23.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2168	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.50	27.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2169	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	113.62	31.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	
26 05 33 13-2170	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	145.81	36.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 33 13-2171	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	167.03	39.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2172	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	215.60	47.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.66*	
26 05 33 13-2173	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	332.29	66.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.14*	
26 05 33 13-2174	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	453.26	89.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.86*	
26 05 33 13-2175	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	813.49	111.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2176	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	947.24	135.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2177		Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2154)*		
26 05 33 13-2178	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	94.13	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2179	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	110.92	31.69
		For Work In Restricted Working Space, Add	*24.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.24*	
		For Elevated Installation >40' Above Floor, Add	*44.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.14*	
26 05 33 13-2180	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	132.72	34.67
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-2181	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	169.16	39.62
		For Work In Restricted Working Space, Add	*29.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-2182	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	194.69	43.58
		For Work In Restricted Working Space, Add	*32.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.47*	
		For Elevated Installation >40' Above Floor, Add	*59.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.68*	
26 05 33 13-2183	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	261.86	51.00
		For Work In Restricted Working Space, Add	*38.25*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.76*	
		For Elevated Installation >40' Above Floor, Add	*70.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.25*	
26 05 33 13-2184	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	326.65	74.28
		For Work In Restricted Working Space, Add	*55.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*65.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.85*	
		For Elevated Installation >40' Above Floor, Add	*102.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.71*	
26 05 33 13-2185	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	475.64	96.57
		For Work In Restricted Working Space, Add	*72.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*24.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.71*	
		For Elevated Installation >40' Above Floor, Add	*132.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2186	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	857.53	118.84
		For Work In Restricted Working Space, Add	*89.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*29.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*59.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*74.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*103.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*118.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*148.56*	
		For Elevated Installation >40' Above Floor, Add	*163.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.14*	
26 05 33 13-2187	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	989.06	143.12
		For Work In Restricted Working Space, Add	*107.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*35.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*71.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*89.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*125.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*143.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*179.51*	
		For Elevated Installation >40' Above Floor, Add	*197.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.71*	

26 05 33 13-2188 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2154)*

26 05 33 13-2189	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	75.47	23.77
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.71*	
		For Elevated Installation >40' Above Floor, Add	*32.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2190	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	92.15	27.23
		For Work In Restricted Working Space, Add	*20.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.05*	
		For Elevated Installation >40' Above Floor, Add	*37.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.43*	
26 05 33 13-2191	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	108.13	31.20
		For Work In Restricted Working Space, Add	*23.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.00*	
		For Elevated Installation >40' Above Floor, Add	*42.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	
26 05 33 13-2192	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	148.95	36.15
		For Work In Restricted Working Space, Add	*27.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.19*	
		For Elevated Installation >40' Above Floor, Add	*49.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 33 13-2193	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	175.35	39.62
		For Work In Restricted Working Space, Add	*29.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.52*	
		For Elevated Installation >40' Above Floor, Add	*54.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.71*	
26 05 33 13-2194	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	228.65	47.54
		For Work In Restricted Working Space, Add	*35.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
		For Elevated Installation >40' Above Floor, Add	*65.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2195	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	502.14	125.41
		For Work In Restricted Working Space, Add	*94.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*31.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*62.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*78.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*109.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*125.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*156.70*	
		For Elevated Installation >40' Above Floor, Add	*172.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.02*	
26 05 33 13-2196	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	492.60	89.13
		For Work In Restricted Working Space, Add	*66.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*78.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*89.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*111.43*	
		For Elevated Installation >40' Above Floor, Add	*122.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.86*	
26 05 33 13-2197	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	813.49	111.42
		For Work In Restricted Working Space, Add	*83.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
		For Elevated Installation >40' Above Floor, Add	*153.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2198	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	947.22	135.68
		For Work In Restricted Working Space, Add	*101.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*67.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*84.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*118.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*135.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*169.60*	
		For Elevated Installation >40' Above Floor, Add	*186.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.76*	
26 05 33 13-2199		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2154)*		
26 05 33 13-2200	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	106.87	31.20
		For Work In Restricted Working Space, Add	*23.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.00*	
		For Elevated Installation >40' Above Floor, Add	*42.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	
26 05 33 13-2201	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	116.60	34.67
		For Work In Restricted Working Space, Add	*26.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*34.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.33*	
		For Elevated Installation >40' Above Floor, Add	*47.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.00*	
26 05 33 13-2202	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	136.42	38.13
		For Work In Restricted Working Space, Add	*28.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.66*	
		For Elevated Installation >40' Above Floor, Add	*52.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.60*	
26 05 33 13-2203	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	163.20	43.58
		For Work In Restricted Working Space, Add	*32.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.47*	
		For Elevated Installation >40' Above Floor, Add	*59.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2204		EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	189.64	47.54
			For Work In Restricted Working Space, Add	*35.65*	
			For Elevated Installation >10' To 15' Above Floor, Add	*11.88*	
			For Elevated Installation >15' To 20' Above Floor, Add	*23.77*	
			For Elevated Installation >20' To 25' Above Floor, Add	*29.71*	
			For Elevated Installation >25' To 30' Above Floor, Add	*41.59*	
			For Elevated Installation >30' To 35' Above Floor, Add	*47.54*	
			For Elevated Installation >35' To 40' Above Floor, Add	*59.42*	
			For Elevated Installation >40' Above Floor, Add	*65.36*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.65*	
26 05 33 13-2205		EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	269.34	58.43
			For Work In Restricted Working Space, Add	*43.83*	
			For Elevated Installation >10' To 15' Above Floor, Add	*14.61*	
			For Elevated Installation >15' To 20' Above Floor, Add	*29.22*	
			For Elevated Installation >20' To 25' Above Floor, Add	*36.52*	
			For Elevated Installation >25' To 30' Above Floor, Add	*51.13*	
			For Elevated Installation >30' To 35' Above Floor, Add	*58.44*	
			For Elevated Installation >35' To 40' Above Floor, Add	*73.05*	
			For Elevated Installation >40' Above Floor, Add	*80.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.83*	
26 05 33 13-2206		EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	434.23	85.67
			For Work In Restricted Working Space, Add	*64.25*	
			For Elevated Installation >10' To 15' Above Floor, Add	*21.42*	
			For Elevated Installation >15' To 20' Above Floor, Add	*42.83*	
			For Elevated Installation >20' To 25' Above Floor, Add	*53.54*	
			For Elevated Installation >25' To 30' Above Floor, Add	*74.96*	
			For Elevated Installation >30' To 35' Above Floor, Add	*85.67*	
			For Elevated Installation >35' To 40' Above Floor, Add	*107.09*	
			For Elevated Installation >40' Above Floor, Add	*117.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.25*	
26 05 33 13-2207		EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	644.23	111.42
			For Work In Restricted Working Space, Add	*83.57*	
			For Elevated Installation >10' To 15' Above Floor, Add	*27.86*	
			For Elevated Installation >15' To 20' Above Floor, Add	*55.71*	
			For Elevated Installation >20' To 25' Above Floor, Add	*69.64*	
			For Elevated Installation >25' To 30' Above Floor, Add	*97.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*111.42*	
			For Elevated Installation >35' To 40' Above Floor, Add	*139.28*	
			For Elevated Installation >40' Above Floor, Add	*153.20*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.57*	
26 05 33 13-2208		EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	976.52	137.67
			For Work In Restricted Working Space, Add	*103.25*	
			For Elevated Installation >10' To 15' Above Floor, Add	*34.42*	
			For Elevated Installation >15' To 20' Above Floor, Add	*68.83*	
			For Elevated Installation >20' To 25' Above Floor, Add	*86.04*	
			For Elevated Installation >25' To 30' Above Floor, Add	*120.46*	
			For Elevated Installation >30' To 35' Above Floor, Add	*137.66*	
			For Elevated Installation >35' To 40' Above Floor, Add	*172.08*	
			For Elevated Installation >40' Above Floor, Add	*189.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.25*	
26 05 33 13-2209		EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	1,084.90	165.39
			For Work In Restricted Working Space, Add	*124.05*	
			For Elevated Installation >10' To 15' Above Floor, Add	*41.35*	
			For Elevated Installation >15' To 20' Above Floor, Add	*82.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*103.37*	
			For Elevated Installation >25' To 30' Above Floor, Add	*144.72*	
			For Elevated Installation >30' To 35' Above Floor, Add	*165.40*	
			For Elevated Installation >35' To 40' Above Floor, Add	*206.75*	
			For Elevated Installation >40' Above Floor, Add	*227.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.05*	

26 05 33 13-2210 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2097)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2211 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2210)*

26 05 33 13-2212		EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.21	9.41
			For Work In Restricted Working Space, Add	*7.06*	
			For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
			For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
			For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
			For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
			For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
			For Elevated Installation >40' Above Floor, Add	*12.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-2213		EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	47.41	12.38
			For Work In Restricted Working Space, Add	*9.29*	
			For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
			For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
			For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
			For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
			For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
			For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
			For Elevated Installation >40' Above Floor, Add	*17.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2214	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	64.95	15.35
		For Work In Restricted Working Space, Add	*11.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.19*	
		For Elevated Installation >40' Above Floor, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-2215	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.83	18.81
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.11*	
26 05 33 13-2216	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	113.26	21.78
		For Work In Restricted Working Space, Add	*16.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.24*	
		For Elevated Installation >40' Above Floor, Add	*29.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.34*	
26 05 33 13-2217	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	152.36	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

26 05 33 13-2218 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2210)*

26 05 33 13-2219	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.59	9.41
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-2220	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.85	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-2221	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	59.92	15.35
		For Work In Restricted Working Space, Add	*11.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.19*	
		For Elevated Installation >40' Above Floor, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-2222	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.40	18.81
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2223	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	104.90	21.78
		For Work In Restricted Working Space, Add	*16.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.24*	
		For Elevated Installation >40' Above Floor, Add	*29.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.34*	
26 05 33 13-2224	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	151.64	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	

26 05 33 13-2225 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2210)*

26 05 33 13-2226	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	48.19	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-2227	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	63.22	15.35
		For Work In Restricted Working Space, Add	*11.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.19*	
		For Elevated Installation >40' Above Floor, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-2228	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	76.08	18.81
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.11*	
26 05 33 13-2229	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	107.07	21.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.47*	
		For Elevated Installation >40' Above Floor, Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-2230	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	138.71	24.76
		For Work In Restricted Working Space, Add	*20.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.43*	
		For Elevated Installation >40' Above Floor, Add	*36.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.06*	
26 05 33 13-2231	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	189.67	27.73
		For Work In Restricted Working Space, Add	*23.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.38*	
		For Elevated Installation >40' Above Floor, Add	*42.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2232		**Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2210)*		
26 05 33 13-2233	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.82	9.41
		For Work In Restricted Working Space, Add	*7.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.76*	
		For Elevated Installation >40' Above Floor, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 33 13-2234	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.06	12.38
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 33 13-2235	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.77	15.35
		For Work In Restricted Working Space, Add	*11.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.19*	
		For Elevated Installation >40' Above Floor, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	
26 05 33 13-2236	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	87.01	18.81
		For Work In Restricted Working Space, Add	*14.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.52*	
		For Elevated Installation >40' Above Floor, Add	*25.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.11*	
26 05 33 13-2237	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	106.40	21.78
		For Work In Restricted Working Space, Add	*16.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.24*	
		For Elevated Installation >40' Above Floor, Add	*29.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.34*	
26 05 33 13-2238	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	165.59	24.76
		For Work In Restricted Working Space, Add	*18.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.95*	
		For Elevated Installation >40' Above Floor, Add	*34.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.57*	
26 05 33 13-2239		**Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-2097)*		
26 05 33 13-2240	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	174.69	27.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.35*	
26 05 33 13-2241	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	650.77	50.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.62*	
26 05 33 13-2242	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,252.02	101.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.32*	
26 05 33 13-2243		**Replacement Covers And Gaskets For Conduit Body** *(26 05 33 13-2097)*		
26 05 33 13-2244		**Replacement Stamped Aluminum Conduit Body Cover** *(26 05 33 13-2243)*		
26 05 33 13-2245	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	13.50	4.83
26 05 33 13-2246	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	16.66	5.63
26 05 33 13-2247	EA	1" Replacement Stamped Aluminum Conduit Body Cover	21.33	7.24
26 05 33 13-2248	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	25.94	8.85
26 05 33 13-2249	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	32.07	10.47
26 05 33 13-2250	EA	2" Replacement Stamped Aluminum Conduit Body Cover	38.19	12.07
26 05 33 13-2251	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	51.66	13.68
26 05 33 13-2252	EA	3" Replacement Stamped Aluminum Conduit Body Cover	65.76	19.32

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2253		EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	71.31	21.72
26 05 33 13-2254		EA	4" Replacement Stamped Aluminum Conduit Body Cover	89.88	27.36
26 05 33 13-2255			Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2243)*		
26 05 33 13-2256		EA	1/2" Replacement Cast Steel Conduit Body Cover	16.13	4.83
26 05 33 13-2257		EA	3/4" Replacement Cast Steel Conduit Body Cover	18.94	5.63
26 05 33 13-2258		EA	1" Replacement Cast Steel Conduit Body Cover	26.97	7.24
26 05 33 13-2259		EA	1-1/4" Replacement Cast Steel Conduit Body Cover	33.58	8.85
26 05 33 13-2260		EA	1-1/2" Replacement Cast Steel Conduit Body Cover	40.97	10.47
26 05 33 13-2261		EA	2" Replacement Cast Steel Conduit Body Cover	48.37	12.07
26 05 33 13-2262		EA	2-1/2" Replacement Cast Steel Conduit Body Cover	55.70	13.68
26 05 33 13-2263		EA	3" Replacement Cast Steel Conduit Body Cover	75.31	19.32
26 05 33 13-2264		EA	3-1/2" Replacement Cast Steel Conduit Body Cover	86.35	21.72
26 05 33 13-2265		EA	4" Replacement Cast Steel Conduit Body Cover	108.91	27.36
26 05 33 13-2266			Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2243)*		
26 05 33 13-2267		EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	12.33	4.83
26 05 33 13-2268		EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	14.03	5.63
26 05 33 13-2269		EA	1" Replacement Velbuna Composition Conduit Body Gasket	18.39	7.24
26 05 33 13-2270		EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	24.16	8.85
26 05 33 13-2271		EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	27.38	10.47
26 05 33 13-2272		EA	2" Replacement Velbuna Composition Conduit Body Gasket	32.77	12.07
26 05 33 13-2273		EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	44.24	13.68
26 05 33 13-2274		EA	3" Replacement Velbuna Composition Conduit Body Gasket	56.50	19.32
26 05 33 13-2275		EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	62.55	21.72
26 05 33 13-2276		EA	4" Replacement Velbuna Composition Conduit Body Gasket	73.70	27.36
26 05 33 13-2277			Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2243)*		
26 05 33 13-2278		EA	1/2" Replacement Neoprene Conduit Body Gasket	14.15	4.83
26 05 33 13-2279		EA	3/4" Replacement Neoprene Conduit Body Gasket	15.77	5.63
26 05 33 13-2280		EA	1" Replacement Neoprene Conduit Body Gasket	20.68	7.24
26 05 33 13-2281		EA	1-1/4" Replacement Neoprene Conduit Body Gasket	25.32	8.85
26 05 33 13-2282		EA	1-1/2" Replacement Neoprene Conduit Body Gasket	28.54	10.47
26 05 33 13-2283		EA	2" Replacement Neoprene Conduit Body Gasket	32.89	12.07
26 05 33 13-2284		EA	2-1/2" Replacement Neoprene Conduit Body Gasket	44.53	13.68
26 05 33 13-2285		EA	3" Replacement Neoprene Conduit Body Gasket	56.79	19.32
26 05 33 13-2286		EA	3-1/2" Replacement Neoprene Conduit Body Gasket	64.49	21.72
26 05 33 13-2287		EA	4" Replacement Neoprene Conduit Body Gasket	75.64	27.36
26 05 33 13-2288			Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*		
			Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2289		EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	20.51	
			For Work In Restricted Working Space, Add	*6.15*	
26 05 33 13-2290		EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	23.08	
			For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-2291		EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	27.16	
			For Work In Restricted Working Space, Add	*8.15*	
26 05 33 13-2292		EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	30.15	
			For Work In Restricted Working Space, Add	*9.05*	
26 05 33 13-2293		EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	33.94	
			For Work In Restricted Working Space, Add	*10.18*	
26 05 33 13-2294		EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	40.19	
			For Work In Restricted Working Space, Add	*12.06*	
26 05 33 13-2295		EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	47.52	
			For Work In Restricted Working Space, Add	*14.26*	
26 05 33 13-2296		EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	54.31	
			For Work In Restricted Working Space, Add	*16.29*	
26 05 33 13-2297		EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	61.09	
			For Work In Restricted Working Space, Add	*18.33*	
26 05 33 13-2298		EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	67.89	
			For Work In Restricted Working Space, Add	*20.37*	
26 05 33 16			**Boxes for Electrical Systems** *(26 05 33)*		
			See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001			Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*		
			Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0136 for steel box/switch assemblies.		
26 05 33 16-0002			4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*		
26 05 33 16-0003		EA	1-1/2" Depth, 4" Square Steel Box	43.21	20.32
			For Stud Bracket, Add	*0.63*	
26 05 33 16-0004		EA	2-1/8" Depth, 4" Square Steel Box	44.38	20.32
			For Stud Bracket, Add	*1.14*	
26 05 33 16-0005		EA	3-1/2" Depth, 4" Square Steel Box	48.40	20.32
			For Stud Bracket, Add	*1.24*	
26 05 33 16-0006		EA	1-1/2" Depth, 4" Square Steel Extension Ring	32.82	13.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	28.76	13.55
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	14.78	6.77
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	14.96	6.77
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	15.10	6.77
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	15.53	6.77
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	15.66	6.77
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	17.05	6.77
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	15.30	6.77
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	15.44	6.77
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	15.60	6.77
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	17.02	6.77
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	17.32	6.77
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	19.12	6.77
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	16.00	6.77
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	17.14	6.77
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	15.28	6.77
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	15.39	6.77
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.26	6.77
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	15.56	6.77
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.82	6.77
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	19.00	6.77
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.77	6.77
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	19.00	6.77
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.77	6.77
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.52	6.77
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	19.00	6.77
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	19.00	6.77
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	14.37	6.77
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	47.54	20.32
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	44.90	20.32
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	58.18	20.32
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	33.93	13.55
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	34.58	13.55
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.42	6.77
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.45	6.77
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.58	6.77
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.13	6.77
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.03	6.77
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	22.72	6.77
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.32	6.77
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.56	6.77
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.58	6.77
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.24	6.77
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.59	6.77
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	24.60	6.77
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	18.10	6.77
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	18.22	6.77
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	21.33	6.77
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	22.21	6.77
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.07	6.77
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	20.13	6.77
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	23.30	6.77
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.20	6.77
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.20	6.77
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.20	6.77
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	15.09	6.77
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	21.54	10.18
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	15.41	6.78
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	24.36	10.18
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	25.81	10.18
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	35.98	16.93
		For Stud Bracket, Add	*1.53*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	37.00	16.93
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	14.31	6.77
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	58.81	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	62.29	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	65.19	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	68.03	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	73.56	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	79.27	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	83.85	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	15.72	6.77
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	50.46	16.93
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	55.29	18.29
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	65.68	20.32
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	83.75	22.36
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	120.04	24.38
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	66.26	16.93
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	72.12	18.29
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	94.10	20.32
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	119.09	22.36
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	189.93	24.38
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	21.77	6.77
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	22.03	6.77
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	25.08	6.77
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	30.31	6.77
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	41.79	6.77
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	19.15	6.77
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	22.00	6.77
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	25.78	6.77
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	30.60	6.77
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	42.60	6.77
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.95	16.93
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	38.39	16.93
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	40.67	16.93
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	45.79	16.93
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	46.24	16.93
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	53.18	16.93
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	35.86	16.93
		For Stud Bracket, Add	*2.47*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	36.34	16.93
		For Stud Bracket, Add	*1.06*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	37.39	16.93
		For Stud Bracket, Add	*1.45*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	23.19	10.16
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	22.71	10.16
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.80	3.39
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.89	3.39
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.45	3.39
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.48	3.39
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.38	3.39
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.48	3.39
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	52.98	23.71
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	58.51	25.06
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	66.21	27.10
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	74.88	29.81
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)* Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0289 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	122.57	40.64
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	130.71	47.42
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	153.29	57.58
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	151.95	54.19
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	196.03	64.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	151.25	54.19
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	182.17	64.35
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.71	54.19
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	182.24	64.35
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	151.25	54.19
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	176.73	64.35
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	179.08	67.74
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	211.52	81.29
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	187.62	67.74
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	244.11	81.29
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	193.20	67.74
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	230.71	81.29
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	178.35	67.74
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	234.49	81.29
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	229.17	81.29
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	276.42	98.22
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	128.87	40.64
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	148.18	47.42
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	173.44	57.58
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	163.46	54.19
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	188.09	64.35
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	225.88	77.90
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	203.78	64.35
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	262.70	81.29
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	149.14	44.03
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	164.54	50.80
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	190.47	60.96
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	179.25	57.58
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	202.81	67.74
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	168.04	44.03
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	182.32	50.80
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	207.70	57.58
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	232.86	67.74
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0289 for box covers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	109.02	33.87
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	124.22	40.64
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	136.12	50.80
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	101.69	33.87
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	129.39	40.64
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	136.82	47.42
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	164.16	57.58
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	206.39	71.12
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	149.57	47.42
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	157.95	57.58
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.32	47.42
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	162.29	57.58
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	137.63	47.42
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	162.29	57.58
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	126.82	47.42
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	173.79	57.58
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	161.38	60.96
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	195.93	74.51
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	172.59	60.96
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	234.77	74.51
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	171.65	60.96
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	210.70	74.51
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	214.04	74.51
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	209.24	74.51
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	255.24	91.45
26 05 33 16-0198		**Deep, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	122.03	33.87
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	146.16	40.64
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	166.29	50.80
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	158.04	40.64
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	153.64	47.42
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	184.81	57.58
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	204.45	71.12
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	187.57	57.58
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	228.04	74.51
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	147.01	37.26
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	167.89	44.03
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	177.96	54.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.32	50.80
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	182.86	60.96
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	226.15	74.51
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	146.86	37.26
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	169.67	44.03
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.38	50.80
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.06	60.96
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	186.38	50.80
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	210.06	60.96
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	195.32	54.19
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	217.95	64.35
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	227.53	47.42
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	252.02	57.58
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	233.71	54.19
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	291.83	60.96
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	262.76	67.74
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	258.68	60.96
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	317.70	67.74
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0289 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	68.44	28.45
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	78.29	33.19
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	89.48	40.31
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	87.77	37.93
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	103.18	45.04
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	125.13	54.53
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	88.07	37.93
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	102.37	45.04
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	122.34	54.53
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	111.16	47.42
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	126.90	56.90
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	149.65	68.75
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	69.34	28.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	67.76	28.45
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	80.43	33.19
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	90.35	40.31
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	89.54	37.93
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	100.87	45.04
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	120.62	54.53
26 05 33 16-0256		Shallow, Two Gang Non-Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	73.65	30.82
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	84.39	35.57
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	94.38	42.68
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	90.55	40.31
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	111.75	47.42
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	132.30	56.90
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	92.64	40.31
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	117.54	47.42
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	127.66	56.90
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	113.31	49.79
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	148.54	59.28
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	154.25	71.12
26 05 33 16-0269		Poke Thru Units *(26 05 33 16)*		
26 05 33 16-0270		Surface Poke Thru Units *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	569.31	50.80
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	363.83	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	51.60	13.55
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	61.17	6.77
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	643.48	54.19
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	340.92	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	88.08	20.32
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	61.17	6.77
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	177.49	13.55
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	509.74	47.42
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	42.76	6.77
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	507.42	47.42
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	59.15	6.77
26 05 33 16-0284		Recessed Poke Thru Units *(26 05 33 16-0269)* Note: Excludes concrete drilling.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	984.21	54.19
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	984.33	54.19
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	938.01	54.19
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	938.01	54.19
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	984.21	54.19
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	984.21	54.19
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	898.90	54.19
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	563.25	50.80
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	604.11	50.80
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	608.16	50.80
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	172.14	27.10
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	396.85	13.55
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	396.85	13.55
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	329.84	13.55
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	47.68	3.39
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	23.27	6.77
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.90	6.77
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	23.16	6.77
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	23.23	6.77
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	23.07	6.77
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	27.28	6.77
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.99	6.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	27.65	6.77
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	22.73	6.77
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	22.74	6.77
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	22.43	6.77
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	22.43	6.77
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	54.16	10.16
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	20.52	6.77
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	21.04	6.77
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	170.76	12.20
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	26.66	6.77
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	27.79	6.77
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.58	6.77
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	43.84	13.55
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	50.19	16.93
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	55.39	16.93
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	42.08	13.55
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	27.59	6.77
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	27.59	6.77
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	29.09	6.77
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	30.10	6.77
26 05 33 16-0328		**Evolution 8AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,291.52	54.19
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,229.18	54.19
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,305.64	54.19
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,217.44	54.19
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,206.32	54.19
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	728.21	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	816.04	50.80
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	206.41	27.10
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	429.19	13.55
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	429.19	13.55
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	74.35	3.39
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	24.05	6.77
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.19	6.77
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.34	6.77
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.24	6.77
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	34.23	6.77
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	34.18	6.77
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	23.32	6.77
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	23.61	6.77
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.32	6.77
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.32	6.77
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.69	6.77
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	28.06	6.77
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	32.37	6.77
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	43.84	13.55

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	33.78	6.19
		For Combination Hinged Screw Cover, Add	*1.07*	
		For Concrete Or Masonry Surface, Add	*0.62*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	26.33	9.28
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	30.91	11.58
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	66.09	21.66
		For Combination Hinged Screw Cover, Add	*1.14*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	111.43	21.66
		For Combination Hinged Screw Cover, Add	*3.41*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	165.55	30.82
		For Combination Hinged Screw Cover, Add	*5.20*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	186.03	34.05
		For Combination Hinged Screw Cover, Add	*5.90*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0012		LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	41.31	7.80
			For Combination Hinged Screw Cover, Add	*1.29*	
			For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0013		LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	76.47	7.80
			For Combination Hinged Screw Cover, Add	*3.05*	
			For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0014		EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	21.72	6.81
			For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0015		EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	34.10	12.99
			For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0016		EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	77.71	26.49
			For Combination Hinged Screw Cover, Add	*1.23*	
26 05 33 23-0017		EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	127.56	26.49
			For Combination Hinged Screw Cover, Add	*3.73*	
26 05 33 23-0018		EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	181.79	34.42
			For Combination Hinged Screw Cover, Add	*5.65*	
26 05 33 23-0019		EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	209.85	40.24
			For Combination Hinged Screw Cover, Add	*6.47*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021		LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	62.61	9.28
			For Combination Hinged Screw Cover, Add	*2.20*	
			For Concrete Or Masonry Surface, Add	*0.93*	
26 05 33 23-0022		LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	124.27	9.28
			For Combination Hinged Screw Cover, Add	*5.28*	
			For Concrete Or Masonry Surface, Add	*0.93*	
26 05 33 23-0023		EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	27.89	7.43
			For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0024		EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	43.99	15.47
			For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0025		EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	112.18	30.82
			For Combination Hinged Screw Cover, Add	*2.53*	
26 05 33 23-0026		EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	164.82	30.82
			For Combination Hinged Screw Cover, Add	*5.16*	
26 05 33 23-0027		EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	262.53	38.50
			For Combination Hinged Screw Cover, Add	*9.28*	
26 05 33 23-0028		EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	283.51	44.57
			For Combination Hinged Screw Cover, Add	*9.72*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030		LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	102.75	10.15
			For Combination Hinged Screw Cover, Add	*4.13*	
			For Concrete Or Masonry Surface, Add	*1.01*	
26 05 33 23-0031		LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	190.56	10.15
			For Combination Hinged Screw Cover, Add	*8.52*	
			For Concrete Or Masonry Surface, Add	*1.01*	
26 05 33 23-0032		EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	30.75	8.05
			For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0033		EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	48.08	16.72
			For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0034		EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	125.33	33.93
			For Combination Hinged Screw Cover, Add	*2.87*	
26 05 33 23-0035		EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	210.82	33.93
			For Combination Hinged Screw Cover, Add	*7.15*	
26 05 33 23-0036		EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	317.28	41.84
			For Combination Hinged Screw Cover, Add	*11.68*	
26 05 33 23-0037		EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	445.65	50.76
			For Combination Hinged Screw Cover, Add	*17.21*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039		LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	150.21	11.76
			For Combination Hinged Screw Cover, Add	*6.33*	
			For Concrete Or Masonry Surface, Add	*1.18*	
26 05 33 23-0040		LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	269.05	11.76
			For Combination Hinged Screw Cover, Add	*12.27*	
			For Concrete Or Masonry Surface, Add	*1.18*	
26 05 33 23-0041		EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	43.75	9.28
			For Combination Hinged Screw Cover, Add	*1.26*	
26 05 33 23-0042		EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	62.33	18.57
			For Combination Hinged Screw Cover, Add	*1.26*	
26 05 33 23-0043		EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	170.12	36.90
			For Combination Hinged Screw Cover, Add	*4.81*	
26 05 33 23-0044		EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	339.72	36.90
			For Combination Hinged Screw Cover, Add	*13.29*	
26 05 33 23-0045		EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	517.08	46.55
			For Combination Hinged Screw Cover, Add	*21.20*	
26 05 33 23-0046		EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	742.50	52.62
			For Combination Hinged Screw Cover, Add	*31.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0047			**12" x 12", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0048	LF		12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	176.26	14.24
			For Combination Hinged Screw Cover, Add	*7.39*	
			For Concrete Or Masonry Surface, Add	*1.42*	
26 05 33 23-0049	LF		12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	295.69	14.24
			For Combination Hinged Screw Cover, Add	*13.36*	
			For Concrete Or Masonry Surface, Add	*1.42*	
26 05 33 23-0050	EA		12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	58.31	9.90
			For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0051	EA		12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	78.12	19.81
			For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0052	EA		12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	226.02	40.24
			For Combination Hinged Screw Cover, Add	*7.28*	
26 05 33 23-0053	EA		12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	450.61	40.24
			For Combination Hinged Screw Cover, Add	*18.51*	
26 05 33 23-0054	EA		12" x 12", Tee For Surface Mounted Wireway With Screw Cover	581.96	49.52
			For Combination Hinged Screw Cover, Add	*24.15*	
26 05 33 23-0055	EA		12" x 12", Cross For Surface Mounted Wireway With Screw Cover	956.97	55.71
			For Combination Hinged Screw Cover, Add	*42.28*	
26 05 33 23-0056			**Surface Metal Raceways** *(26 05 33 23-0001)*		
			Note: Exposed on flat wall surface.		
26 05 33 23-0057			**One Piece Surface Metal Raceways** *(26 05 33 23-0056)*		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058			**3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)** *(26 05 33 23-0057)*		
			Note: Available in ivory.		
26 05 33 23-0059	LF		3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	5.51	1.86
			For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0060	EA		Bushing (Wiremold #502)	5.38	2.48
26 05 33 23-0061	EA		One Or Two Hole Strap (Wiremold #504)	5.44	2.48
26 05 33 23-0062	EA		Connection Cover (Wiremold #506)	5.64	2.48
26 05 33 23-0063	EA		Flat 90 Degree Elbow (Wiremold #511)	8.61	2.97
26 05 33 23-0064	EA		Flat 45 Degree Elbow (Wiremold #512)	14.38	3.09
26 05 33 23-0065	EA		Adjustable Internal Elbow (Wiremold #517)	10.73	3.71
26 05 33 23-0066	EA		Adjustable External Elbow (Wiremold #518)	10.48	3.71
26 05 33 23-0067			**3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)** *(26 05 33 23-0057)*		
			Note: Available in ivory and white.		
26 05 33 23-0068	LF		3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.98	2.48
			For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0069	EA		Bushing (Wiremold #702)	5.53	2.48
26 05 33 23-0070	EA		One Or Two Hole Strap (Wiremold #704)	5.70	2.48
26 05 33 23-0071	EA		Connection Cover (Wiremold #706)	5.75	2.48
26 05 33 23-0072	EA		Flat 90 Degree Elbow (Wiremold #711)	12.69	4.96
26 05 33 23-0073	EA		Flat 45 Degree Elbow (Wiremold #712)	20.08	4.96
26 05 33 23-0074	EA		Adjustable Internal Elbow (Wiremold #717)	13.70	4.96
26 05 33 23-0075	EA		Adjustable External Elbow (Wiremold #718)	13.23	4.96
26 05 33 23-0076			**One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)** *(26 05 33 23-0057)*		
			Note: Available in ivory.		
26 05 33 23-0077	EA		18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	38.36	3.71
26 05 33 23-0078	EA		Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.68	2.48
26 05 33 23-0079	EA		Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.68	2.48
26 05 33 23-0080	EA		Ground Clamp (Wiremold #5709)	16.63	3.71
26 05 33 23-0081	EA		Grounding Connector (Wiremold #5709GC)	14.02	3.71
26 05 33 23-0082	EA		L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	15.89	4.96
26 05 33 23-0083	EA		Tee (Wiremold #5715)	17.85	6.19
26 05 33 23-0084	EA		2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	31.30	4.96
26 05 33 23-0085	EA		Utility Box For #500 Or #700 (Wiremold #57242)	24.03	4.96
26 05 33 23-0086	EA		2-3/8" Diameter, Blank Cover (Wiremold #5731)	12.90	3.09
26 05 33 23-0087	EA		3" Diameter, Outlet Box (Wiremold #5733)	29.81	4.96
26 05 33 23-0088	EA		4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	29.69	4.96
26 05 33 23-0089	EA		4-3/8" Blank Cover (Wiremold #5736)	13.68	3.09
26 05 33 23-0090	EA		4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	26.95	4.96
26 05 33 23-0091	EA		5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	26.00	4.96
26 05 33 23-0092	EA		4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	26.23	4.96
26 05 33 23-0093	EA		5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	26.23	4.96
26 05 33 23-0094	EA		5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	29.69	4.96
26 05 33 23-0095	EA		6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	29.32	4.96
26 05 33 23-0096	EA		6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	31.31	4.96
26 05 33 23-0097	EA		Standard Switch Box For #500, Or #700 (Wiremold #57240)	35.18	8.05
26 05 33 23-0098	EA		Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	55.51	15.47
26 05 33 23-0099	EA		2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	26.45	8.05
26 05 33 23-0100	EA		1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	42.18	8.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	48.42	8.05
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	73.80	8.05
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	38.25	6.81
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	42.75	6.81
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	68.84	6.81
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	27.65	8.05
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	24.24	8.05
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	34.32	8.05
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	67.31	8.05
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	25.95	8.05
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	36.36	8.05
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	65.41	8.05
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	97.36	8.05
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	160.90	8.05
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	163.74	8.05
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	25.62	8.05
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	24.90	8.05
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	33.30	8.05
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	66.05	8.05
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	26.95	8.05
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	35.07	8.05
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	50.77	8.05
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	17.62	3.09
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	16.78	3.09
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	11.09	3.09
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	21.06	3.71
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	11.19	3.09
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	26.46	3.71
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	23.67	3.71
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	13.05	3.71
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	21.96	3.71
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	11.36	3.09
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	10.07	2.48
26 05 33 23-0134		**1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)** *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	10.15	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	6.27	2.48
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	7.41	3.09
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	8.35	3.71
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	32.58	11.76
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	33.71	11.76
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	36.32	11.76
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	36.10	11.76
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	32.85	8.05
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	33.90	8.05
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	66.48	15.47
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	34.93	8.05
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	42.91	8.05
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	42.08	8.05
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	20.36	3.71
26 05 33 23-0150		**2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)** *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	16.47	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	6.24	2.48
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.96	2.48
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	24.62	4.33
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	36.84	6.19
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	36.20	7.43
26 05 33 23-0157		**Two Piece Surface Metal Raceways** *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		**1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	9.56	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	4.58	2.48
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	12.22	3.09
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.91	1.86
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	5.48	1.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	14.21	3.09
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	28.16	9.28
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	48.10	12.38
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	7.48	3.09
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	24.22	8.05
26 05 33 23-0169	EA	Tee (Wiremold #2015)	44.39	11.64
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	15.53	6.19
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	36.67	11.02
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	57.73	12.25
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	39.72	12.25
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	32.70	6.19
26 05 33 23-0175	EA	#2089E End Reducing Connector	13.50	3.09
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	8.18	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.97	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	3.26	0.62
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	4.58	2.48
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	12.13	3.09
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	10.00	3.09
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	5.53	1.86
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	41.22	9.28
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	39.49	9.28
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	10.78	2.48
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	27.03	9.28
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	7.55	3.09
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	7.65	3.09
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	41.05	9.28
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	39.37	9.28
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	64.48	9.28
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	49.42	9.28
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	30.30	9.28
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	48.49	9.28
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	43.43	9.16
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	28.89	9.28
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	52.02	9.16
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	49.46	9.16
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	34.23	9.16
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	28.57	9.16
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	44.84	9.16
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	43.51	9.16
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	27.68	9.16
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	48.75	9.16
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	47.96	9.16
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	33.65	9.16
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	44.33	8.05
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	49.22	8.05
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	49.47	8.05
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	47.40	8.05
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	66.93	8.05
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	58.91	8.05
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	31.03	8.05
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	48.14	8.05
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	14.79	3.09
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	35.04	9.28
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	104.45	9.28
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	30.38	4.96
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	16.20	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.86	0.62
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	6.19	2.48
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	16.00	2.48
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	15.91	3.09
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	11.72	3.09
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.71	2.48
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	17.39	4.96
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	17.33	3.71
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	40.28	11.76
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	14.72	4.96
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	44.64	11.76
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	67.15	15.35
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	47.81	15.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	92.37	19.19
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	43.61	11.76
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	53.88	11.76
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	38.37	11.76
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	65.23	11.76
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	21.08	3.09
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	23.06	3.09
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	21.02	3.09
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	23.46	3.71
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	61.57	16.09
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	73.49	11.76
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	21.16	3.71
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	23.04	3.09
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	91.16	7.43
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	223.10	7.43
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	79.33	7.43
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	85.88	7.43
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	85.88	7.43
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	27.23	3.71

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	19.86	5.57
		For Concrete Or Masonry Surface, Add	*0.60*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	7.03	0.62
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.41	0.62
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	7.62	3.09
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	19.80	3.71
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	9.29	3.71
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	9.46	3.71
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	39.77	8.05
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	21.08	4.96
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	80.96	19.06
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	75.38	15.47
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	89.16	15.47
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	81.98	19.19
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	109.54	19.19
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	121.63	19.19
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	126.49	19.19
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	151.21	19.19
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	151.69	19.19
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	66.46	19.19
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	119.48	19.19
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	73.75	19.19
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	62.60	19.19
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	99.58	19.19
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	115.70	19.19
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	98.25	8.05
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	104.20	8.05
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	104.20	8.05
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	139.45	8.05
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	28.95	8.05
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	89.59	3.71
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	106.67	8.05
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	28.82	8.05
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	33.69	8.05
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	32.74	6.19
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	153.55	19.19
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	138.28	19.19
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	138.28	19.19
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	110.21	36.52
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	67.98	19.19

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	28.77	6.81
		For Concrete Or Masonry Surface, Add	*0.68*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	8.27	1.86
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.71	1.86
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.73	3.09
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	24.06	6.19
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	11.14	3.09
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	30.83	8.05
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	29.26	8.05
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	30.69	8.05
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	33.60	8.05
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	48.87	11.76
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	52.64	18.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	98.96	18.57
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	100.65	17.83
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	143.68	19.19
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	102.49	21.04
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	178.70	21.04
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	172.48	18.57
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	186.63	18.57
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	112.80	43.09

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	13.44	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	6.97	0.62
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	6.40	2.48
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	13.69	3.09
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.97	1.86
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	9.00	1.86
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	12.75	3.09
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	35.43	9.28
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	11.43	3.09
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	41.89	8.05
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	56.58	11.64
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	38.26	6.19
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	38.17	6.19
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	61.75	12.25
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	148.40	11.02
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	64.11	11.02
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	136.00	12.25
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	66.51	11.02
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	119.79	12.25
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	49.18	12.25

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

(26 05 33 23-0315)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	14.95	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	7.04	0.62
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	8.83	2.48
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	15.99	3.09
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	11.64	1.86
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	10.18	2.48
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	12.58	3.09
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	26.33	9.28
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	49.91	9.28
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	54.65	9.16
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	64.60	9.16
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	49.74	9.16
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	53.73	9.16
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	44.29	9.28

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	27.53	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	8.67	0.62
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	7.09	5.57
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	13.50	2.48
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	23.35	2.48
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	20.29	3.09
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	13.42	2.48
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	28.02	4.96
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	43.48	11.76
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	143.53	15.35
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	163.75	19.19
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	186.59	19.19
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	135.93	11.76
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	136.08	11.76
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	29.55	3.71
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	29.35	3.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	29.02	3.71
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	29.39	3.09
26 05 33 23-0371		5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	33.12	5.57
		For Concrete Or Masonry Surface, Add	*0.60*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	14.13	0.62
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	8.20	0.62
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	11.01	3.09
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	9.12	3.09
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	9.06	3.09
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	20.77	3.71
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	18.88	3.71
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	23.13	3.71
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	24.78	4.96
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	26.74	4.96
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	27.17	4.96
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	26.28	4.96
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	141.36	15.47
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	108.45	19.19
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	164.99	19.19
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	181.72	19.19
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	145.51	19.19
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	57.43	19.19
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	149.77	19.19
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	146.84	19.19
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	31.63	3.71
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	37.76	3.71
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	45.08	3.71
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	42.19	3.71
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	38.85	3.71
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	35.35	8.05
26 05 33 23-0399		3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	29.97	5.57
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	13.90	3.71
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	25.17	4.96
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	27.23	4.96
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	144.54	15.47
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	147.50	19.19
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	143.57	19.19
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	170.70	19.19
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	145.59	19.19
26 05 33 23-0409		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	48.66	5.57
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	20.47	3.71
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	26.75	4.96
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	30.08	4.96
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	183.17	15.47
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	251.76	19.19
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	166.67	19.19
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	198.02	19.19
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	175.49	19.19
26 05 33 23-0419		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	10.53	0.62
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	9.09	3.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	22.29	3.71
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	18.60	3.71
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	50.45	15.47
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	59.79	19.19
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	57.08	15.47
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	25.26	3.71
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	27.07	3.71
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	28.27	3.71
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	27.86	3.71
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	27.31	3.71
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	28.29	3.71
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	29.07	3.71
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	37.85	3.71
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	35.46	3.71
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	41.18	3.71
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	26.56	3.71
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	39.71	3.71
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	36.17	3.71
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	29.00	3.71
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	36.51	3.71
26 05 33 23-0442		**Surface Non-Metallic Raceways** *(26 05 33 23-0001)*		
		Note: Exposed on flat wall surface.		
26 05 33 23-0443		**One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		**7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	7.01	2.48
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	5.39	2.48
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.67	2.48
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.91	4.96
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	12.61	4.96
26 05 33 23-0450	EA	Tee (Wiremold #415)	15.87	6.19
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	12.39	4.96
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	12.39	4.96
26 05 33 23-0453		**1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	8.07	2.48
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.48	2.48
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.59	2.48
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	16.81	4.96
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	11.02	4.96
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	12.70	4.96
26 05 33 23-0460	EA	Tee (Wiremold #815)	15.95	6.19
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	12.45	4.96
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	12.45	4.96
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	14.03	4.96
26 05 33 23-0464		**2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	9.28	2.48
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.87	2.48
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.74	2.48
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	6.04	2.48
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	18.24	4.96
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	11.59	4.96
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	20.51	4.96
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	12.93	4.96
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	13.89	4.96
26 05 33 23-0474	EA	Tee (Wiremold #2315)	16.09	6.19
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	12.93	4.96
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	13.91	4.96
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	12.96	4.96
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	14.08	4.96
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	14.09	4.96
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	14.71	4.96
26 05 33 23-0481		**One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	15.68	4.33
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	25.67	4.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	25.81	4.96
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	23.30	4.96
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	26.99	4.96
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	25.38	4.96
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	27.57	4.96
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	23.30	8.05
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	26.55	8.05
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	24.25	8.05
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	29.15	8.05
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	34.83	8.05
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	33.02	8.05
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	29.92	8.05
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	22.81	8.05
26 05 33 23-0497		**3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)** *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.56	2.48
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.82	1.23
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	4.17	1.23
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.64	2.48
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.91	3.09
26 05 33 23-0503	EA	Tee (Wiremold #2715)	12.88	5.57
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	9.15	3.71
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	9.14	3.71
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	10.79	4.33
26 05 33 23-0507		**1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	8.51	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	4.21	1.86
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	5.59	1.86
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	8.07	3.09
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	10.64	4.33
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	11.31	4.33
26 05 33 23-0514	EA	Tee (Wiremold #2815)	15.59	6.81
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	11.84	4.96
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	11.87	4.96
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	16.50	6.81
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	12.66	4.96
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	12.54	4.96
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	13.36	5.57
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	12.03	4.96
26 05 33 23-0522		**1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	10.35	3.71
		For Concrete Or Masonry Surface, Add	*0.37*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	5.58	2.48
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.98	2.48
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	9.45	3.71
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	11.94	4.96
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	13.01	4.96
26 05 33 23-0529	EA	Tee (Wiremold #2915)	16.90	7.43
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	17.99	7.43
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	13.18	5.57
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	14.29	5.57
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	13.16	5.57
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	14.60	5.57
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	13.35	5.57
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	14.84	6.19
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	14.47	6.19
26 05 33 23-0538		**Two Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	15.92	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	15.19	5.57
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	27.60	5.57
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	22.70	5.57
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	2.11	0.62
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	8.33	0.62
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	5.22	0.62
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	14.90	6.19
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	8.28	3.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	10.98	3.71
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	15.94	6.19
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	14.99	6.19
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	16.94	6.19
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	30.92	12.38
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	31.92	12.38
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	27.17	11.76
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	51.87	19.19
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	36.48	15.47
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	32.57	12.38
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	22.49	9.28
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	36.41	15.47
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	32.84	12.38
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	14.73	6.19

26 05 33 23-0563 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) *(26 05 33 23-0538)*

26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	17.96	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	6.23	0.62
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	4.01	0.62
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.92	3.09
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	11.67	3.71
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	9.83	3.71
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	8.79	3.71
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	66.50	19.19
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	32.55	11.76
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	63.83	19.19
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	58.24	15.47
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	67.15	19.19
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	70.32	19.19
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	55.53	19.19
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	56.33	19.19
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	57.06	19.19
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	26.90	6.19
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	35.54	6.19
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	20.52	6.19
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	58.55	19.19

26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) *(26 05 33 23-0538)*

26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	21.46	5.57
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.56	0.62
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.90	3.09
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	12.61	3.71
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	9.11	3.71
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	11.80	3.71
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	11.84	3.71
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	11.90	3.71
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	11.90	3.71
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	11.78	3.71
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	11.81	3.71
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	11.73	3.71
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	11.75	3.71
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	11.84	3.71
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	11.61	3.71
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	30.40	6.19
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	40.54	6.19
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	34.30	11.76
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	69.64	19.19
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	63.27	15.47
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	51.30	15.47
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	73.06	19.19
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	59.18	19.19
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	60.57	19.19
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	63.49	19.19
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	57.79	19.19
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	76.74	19.19

26 05 33 23-0612 Surface Cable Protection System *(26 05 33 23)*

26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	662.09	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	499.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001 Cable Trays *(26 05 36)*
Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*

26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*

26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.32	13.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.55*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.05	13.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.85*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	54.72	15.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.22*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.97	15.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.77*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	66.98	16.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.33*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	81.67	19.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.58*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	91.63	21.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.35*	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.65	12.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.30*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.26	13.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.59*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.40	14.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.81*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.31	15.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.24*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	59.67	16.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.63*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	70.15	18.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.47*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	76.64	20.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.97*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.05	12.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.16*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.30	13.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.24*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.74	13.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.62*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.31	14.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.02*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.74	14.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.43*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	61.86	16.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.84*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	66.44	17.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.18*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.80	12.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.07*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.65	12.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.14*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.11	13.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.74	13.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.54*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.71	13.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.73*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.84	14.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.16*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.73	15.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0036		**18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray** *(26 05 36 00-0003)*		
26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.25	11.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.04*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.95	12.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.09*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.40	12.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.28*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.59	13.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.45*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.35	13.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.52*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.23	14.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.72*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.35	15.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.87*	
26 05 36 00-0044		**4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-0002)*		
26 05 36 00-0045		**12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.49	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.63*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.62	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.26*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.43	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.89*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.34	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.76*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.46	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.88*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.58	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.58*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	866.83	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.88*	
26 05 36 00-0053		**24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.17	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.24*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.83	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.85*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.71	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.42*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	690.73	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.38*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	773.80	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.70*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.00	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.59*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,009.61	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.45*	
26 05 36 00-0061		**36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.36	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.73*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.97	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.35*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.83	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.79	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.51*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	893.59	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.81*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,048.94	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.80*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.14	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.18*	
26 05 36 00-0069		**12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.62	98.49
		For 60 Degree Bend, Deduct	*-50.57*	
		For 30 Degree Bend, Deduct	*-89.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.56*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.54	118.14
		For 60 Degree Bend, Deduct	*-55.23*	
		For 30 Degree Bend, Deduct	*-98.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.61*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.77	135.48
		For 60 Degree Bend, Deduct	*-59.53*	
		For 30 Degree Bend, Deduct	*-106.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.49*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.65	171.25
		For 60 Degree Bend, Deduct	*-67.58*	
		For 30 Degree Bend, Deduct	*-122.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.10*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.64	209.72
		For 60 Degree Bend, Deduct	*-85.15*	
		For 30 Degree Bend, Deduct	*-153.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.69*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.66	240.74
		For 60 Degree Bend, Deduct	*-104.27*	
		For 30 Degree Bend, Deduct	*-187.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.50*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	673.88	282.61
		For 60 Degree Bend, Deduct	*-114.03*	
		For 30 Degree Bend, Deduct	*-205.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.83*	
26 05 36 00-0077		**24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.24	101.61
		For 60 Degree Bend, Deduct	*-60.15*	
		For 30 Degree Bend, Deduct	*-105.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.56*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.59	122.47
		For 60 Degree Bend, Deduct	*-66.43*	
		For 30 Degree Bend, Deduct	*-117.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.15*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.03	141.44
		For 60 Degree Bend, Deduct	*-75.16*	
		For 30 Degree Bend, Deduct	*-133.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.42*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.62	180.60
		For 60 Degree Bend, Deduct	*-83.09*	
		For 30 Degree Bend, Deduct	*-148.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.11*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.20	224.36
		For 60 Degree Bend, Deduct	*-101.52*	
		For 30 Degree Bend, Deduct	*-181.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.13*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	666.06	260.25
		For 60 Degree Bend, Deduct	*-120.06*	
		For 30 Degree Bend, Deduct	*-214.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	782.49	309.84
		For 60 Degree Bend, Deduct	*-139.47*	
		For 30 Degree Bend, Deduct	*-249.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.43*	
26 05 36 00-0085		**36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.70	104.86
		For 60 Degree Bend, Deduct	*-79.51*	
		For 30 Degree Bend, Deduct	*-138.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.54*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.80	127.35
		For 60 Degree Bend, Deduct	*-86.76*	
		For 30 Degree Bend, Deduct	*-151.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.47*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.13	147.81
		For 60 Degree Bend, Deduct	*-91.56*	
		For 30 Degree Bend, Deduct	*-160.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.60*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.64	191.30
		For 60 Degree Bend, Deduct	*-104.40*	
		For 30 Degree Bend, Deduct	*-184.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.92*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.69	240.74
		For 60 Degree Bend, Deduct	*-116.82*	
		For 30 Degree Bend, Deduct	*-208.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.30*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	771.06	282.61
		For 60 Degree Bend, Deduct	*-146.10*	
		For 30 Degree Bend, Deduct	*-259.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.55*	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	903.98	342.08
		For 60 Degree Bend, Deduct	*-167.17*	
		For 30 Degree Bend, Deduct	*-297.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.89*	
26 05 36 00-0093		**12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.90	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.70*	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.84	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.69*	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.64	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.61*	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.61	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.58*	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.93	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.93*	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.31	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.95*	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.78	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.90*	
26 05 36 00-0101		**24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.54	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.98*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.62	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.31*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	548.16	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.76*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0105		EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	634.14	224.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.72*	
26 05 36 00-0106		EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.18	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.03*	
26 05 36 00-0107		EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	780.89	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.47*	
26 05 36 00-0108		EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	894.63	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.95*	

26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0110		EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.26	147.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.62*	
26 05 36 00-0111		EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.54	171.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.70*	
26 05 36 00-0112		EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.14	191.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.77*	
26 05 36 00-0113		EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.92	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.53*	
26 05 36 00-0114		EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.46	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.39*	
26 05 36 00-0115		EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.34	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.84*	
26 05 36 00-0116		EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,070.48	382.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.22*	

26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0118		EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.54	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.97*	
26 05 36 00-0119		EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.56	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.80*	
26 05 36 00-0120		EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	790.47	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.43*	
26 05 36 00-0121		EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	883.25	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.23*	
26 05 36 00-0122		EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,001.77	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.10*	
26 05 36 00-0123		EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,116.50	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.76*	
26 05 36 00-0124		EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,263.59	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.25*	

26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0126		EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	883.03	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.75*	
26 05 36 00-0127		EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	947.88	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.97*	
26 05 36 00-0128		EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	989.18	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.82*	
26 05 36 00-0129		EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,084.16	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.34*	
26 05 36 00-0130		EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,203.13	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.44*	
26 05 36 00-0131		EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,294.98	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.90	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.08*	
26 05 36 00-0133		**36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,132.28	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.41*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,209.71	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.46*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,284.25	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.35*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,411.07	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.24*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,601.11	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.45*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,736.60	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.95*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,953.66	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.14*	
26 05 36 00-0141		**12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.57	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.79*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	868.30	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.97*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.79	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.20*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	934.03	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.85*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.10	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.70*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,044.11	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.32*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,123.39	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.26*	
26 05 36 00-0149		**24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,241.89	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.51*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,271.58	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.58*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,302.83	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.73*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,371.60	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.35*	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,420.75	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.98*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,503.96	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.32*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,619.01	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.03*	
26 05 36 00-0157		**36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0158		EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,981.58	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.60*	
26 05 36 00-0159		EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,022.42	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.63*	
26 05 36 00-0160		EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,066.05	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.79*	
26 05 36 00-0161		EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,139.56	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.45*	
26 05 36 00-0162		EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,190.56	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.98*	
26 05 36 00-0163		EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,325.22	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.65*	
26 05 36 00-0164		EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,440.72	464.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-205.41*	

26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0166		EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	867.55	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.66*	
26 05 36 00-0167		EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.53	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.64*	
26 05 36 00-0168		EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.30	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.35*	
26 05 36 00-0169		EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,045.88	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.70*	
26 05 36 00-0170		EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,177.28	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.62*	
26 05 36 00-0171		EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,318.62	464.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.20*	
26 05 36 00-0172		EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,442.35	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.52*	

26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0174		EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,233.25	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.25*	
26 05 36 00-0175		EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,289.13	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.02*	
26 05 36 00-0176		EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,348.29	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.96*	
26 05 36 00-0177		EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,436.22	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.51*	
26 05 36 00-0178		EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,595.36	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.83*	
26 05 36 00-0179		EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,715.34	541.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.37*	
26 05 36 00-0180		EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,926.20	590.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.39*	

26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0182		EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,560.16	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.15*	
26 05 36 00-0183		EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,644.16	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,734.51	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.79*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,893.54	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.64*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,161.60	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.93*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,357.20	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.62*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,578.51	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-197.59*	

26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,014.09	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.31*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,065.32	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.01*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,141.93	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.12*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.73	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.07*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,382.08	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.10*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,564.38	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.76*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,714.98	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.84*	

26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,517.50	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.67*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,582.21	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.33*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,650.20	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.15*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,757.55	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.65*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,937.88	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.08*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,080.80	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.92*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,349.93	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.76*	

26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,957.40	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.87*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,059.06	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.80*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,167.06	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.04*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,370.24	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.31*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,691.26	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-219.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,931.00	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-239.00*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	3,196.45	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-259.38*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.48	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.73*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.09	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.21*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.10	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.66*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.37	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.86*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.87	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.62*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.72	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.29*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.73	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.87*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.93	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.32*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.39	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.80*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.76	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.22*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	645.46	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.85*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.21	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.84*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.18	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.30*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	946.84	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.17*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	506.90	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.38*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.09	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.77*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.85	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.74*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.87	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.02*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.23	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.77*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	976.50	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,111.07	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.28*	
26 05 36 00-0238		**12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.83	98.49
		For 60 Degree Bend, Deduct	*-45.69*	
		For 30 Degree Bend, Deduct	*-81.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.08*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.15	118.14
		For 60 Degree Bend, Deduct	*-50.16*	
		For 30 Degree Bend, Deduct	*-90.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.08*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.77	135.48
		For 60 Degree Bend, Deduct	*-54.25*	
		For 30 Degree Bend, Deduct	*-97.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.89*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.75	171.25
		For 60 Degree Bend, Deduct	*-62.00*	
		For 30 Degree Bend, Deduct	*-112.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.41*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.91	209.72
		For 60 Degree Bend, Deduct	*-77.98*	
		For 30 Degree Bend, Deduct	*-141.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.51*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.89	240.74
		For 60 Degree Bend, Deduct	*-95.10*	
		For 30 Degree Bend, Deduct	*-171.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.72*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.91	282.61
		For 60 Degree Bend, Deduct	*-104.47*	
		For 30 Degree Bend, Deduct	*-189.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.94*	
26 05 36 00-0246		**24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.53	101.61
		For 60 Degree Bend, Deduct	*-53.98*	
		For 30 Degree Bend, Deduct	*-95.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.69*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.67	122.47
		For 60 Degree Bend, Deduct	*-59.85*	
		For 30 Degree Bend, Deduct	*-106.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.70	141.44
		For 60 Degree Bend, Deduct	*-67.79*	
		For 30 Degree Bend, Deduct	*-120.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.19*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.68	180.60
		For 60 Degree Bend, Deduct	*-75.52*	
		For 30 Degree Bend, Deduct	*-135.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.82*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.43	224.36
		For 60 Degree Bend, Deduct	*-92.36*	
		For 30 Degree Bend, Deduct	*-166.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.35*	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.86	260.25
		For 60 Degree Bend, Deduct	*-109.10*	
		For 30 Degree Bend, Deduct	*-196.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.60*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	744.46	309.84
		For 60 Degree Bend, Deduct	*-126.92*	
		For 30 Degree Bend, Deduct	*-228.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0254		36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.84	104.86
		For 60 Degree Bend, Deduct	*-70.65*	
		For 30 Degree Bend, Deduct	*-123.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.85*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.43	127.35
		For 60 Degree Bend, Deduct	*-77.39*	
		For 30 Degree Bend, Deduct	*-136.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.63*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.16	147.81
		For 60 Degree Bend, Deduct	*-82.00*	
		For 30 Degree Bend, Deduct	*-144.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.70*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.25	191.30
		For 60 Degree Bend, Deduct	*-94.04*	
		For 30 Degree Bend, Deduct	*-167.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.78*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.49	240.74
		For 60 Degree Bend, Deduct	*-105.86*	
		For 30 Degree Bend, Deduct	*-189.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.98*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.20	282.61
		For 60 Degree Bend, Deduct	*-131.96*	
		For 30 Degree Bend, Deduct	*-235.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.27*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.30	342.08
		For 60 Degree Bend, Deduct	*-151.44*	
		For 30 Degree Bend, Deduct	*-271.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.12*	
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.78	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.39*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.41	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.34*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.75	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.22*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.12	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.14*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.84	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.42*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	639.01	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.32*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.88	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.21*	
26 05 36 00-0270		24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.98	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.12*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.60	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.41*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.39	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.79*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.32	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.64*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.30	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.85*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.80	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	868.67	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.36*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.21	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.11*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	583.58	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.10*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.88	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.14*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	727.55	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.69*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	800.79	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.53*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	916.75	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.58*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,035.77	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.75*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.32	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.95*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.83	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.63*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.53	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.14*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.99	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.60*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.98	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.02*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,079.68	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.08*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,221.94	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.09*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.34	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.58*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.68	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.65*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	954.77	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.38*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.04	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.63*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.69	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.40*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,250.92	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.98*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,511.46	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.44*	

26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0303		EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,084.89	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.67*	
26 05 36 00-0304		EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.51	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.54*	
26 05 36 00-0305		EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,231.74	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.10*	
26 05 36 00-0306		EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,354.63	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.59*	
26 05 36 00-0307		EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,537.43	464.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.08*	
26 05 36 00-0308		EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,667.19	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.01*	
26 05 36 00-0309		EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,879.12	590.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.68*	

26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0311		EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.16	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.35*	
26 05 36 00-0312		EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.60	250.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.50*	
26 05 36 00-0313		EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.78	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.69*	
26 05 36 00-0314		EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	898.42	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.29*	
26 05 36 00-0315		EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	926.88	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.07*	
26 05 36 00-0316		EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.48	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.45*	
26 05 36 00-0317		EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,083.25	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.25*	

26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0319		EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.72	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.29*	
26 05 36 00-0320		EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,208.51	270.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.27*	
26 05 36 00-0321		EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,238.85	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.33*	
26 05 36 00-0322		EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,305.81	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.77*	
26 05 36 00-0323		EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,353.15	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.22*	
26 05 36 00-0324		EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,434.55	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.38*	
26 05 36 00-0325		EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,546.58	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.79*	

26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0327		EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,865.39	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.99*	
26 05 36 00-0328		EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,904.72	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,946.84	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.87*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,018.83	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.37*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,068.33	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.75*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,198.47	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.98*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,312.46	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.58*	

26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.50	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.15*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.27	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.02*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.63	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.48*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,014.49	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.56*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,142.27	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.12*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,276.67	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.00*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,395.57	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.85*	

26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.66	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.39*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,239.03	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.01*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,296.69	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.80*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,381.29	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.02*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,536.81	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.97*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,652.86	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.13*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,853.77	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.15*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,492.25	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.36*	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,573.24	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.22*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,660.56	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.39*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,812.06	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.50*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,071.06	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,259.11	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.81*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,472.88	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.02*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	977.77	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.68*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,027.25	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.21*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,100.36	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.96*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.22	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.52*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,331.32	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.02*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,503.56	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.68*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,647.15	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.06*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,447.05	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.63*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,509.56	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.06*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,575.37	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.67*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,677.90	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.68*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,852.98	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.59*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,990.22	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.86*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,244.90	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.26*	

26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,858.94	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.02*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,956.22	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.51*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,059.85	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.32*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,252.08	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.50*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,559.98	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-206.77*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,788.77	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-224.77*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	3,043.29	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-244.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.47	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.83*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.57	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.16*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.77	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.42*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.39	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.27	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.36*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	665.87	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.01*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.63	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.86*	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.70	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.39*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.95	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.76*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.81	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.03*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.19	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.33*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.62	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.98*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	756.37	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.02*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	884.06	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.90*	
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.44	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.04*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.22	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.18*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.86	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.94*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.94	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.53*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.87	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.73*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.07	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.31*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,032.00	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.37*	
26 05 36 00-0407		12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0408		EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.04	98.49
			For 60 Degree Bend, Deduct	*-40.81*	
			For 30 Degree Bend, Deduct	*-73.49*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.60*	
26 05 36 00-0409		EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.76	118.14
			For 60 Degree Bend, Deduct	*-45.08*	
			For 30 Degree Bend, Deduct	*-81.69*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.54*	
26 05 36 00-0410		EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	305.78	135.48
			For 60 Degree Bend, Deduct	*-48.97*	
			For 30 Degree Bend, Deduct	*-89.15*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.29*	
26 05 36 00-0411		EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.84	171.25
			For 60 Degree Bend, Deduct	*-56.42*	
			For 30 Degree Bend, Deduct	*-103.54*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.72*	
26 05 36 00-0412		EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.18	209.72
			For 60 Degree Bend, Deduct	*-70.81*	
			For 30 Degree Bend, Deduct	*-129.66*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.34*	
26 05 36 00-0413		EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.13	240.74
			For 60 Degree Bend, Deduct	*-85.94*	
			For 30 Degree Bend, Deduct	*-156.62*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.95*	
26 05 36 00-0414		EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.93	282.61
			For 60 Degree Bend, Deduct	*-94.91*	
			For 30 Degree Bend, Deduct	*-173.89*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.04*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416		EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.82	101.61
			For 60 Degree Bend, Deduct	*-47.80*	
			For 30 Degree Bend, Deduct	*-85.31*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.82*	
26 05 36 00-0417		EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.75	122.47
			For 60 Degree Bend, Deduct	*-53.28*	
			For 30 Degree Bend, Deduct	*-95.61*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.17*	
26 05 36 00-0418		EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.37	141.44
			For 60 Degree Bend, Deduct	*-60.42*	
			For 30 Degree Bend, Deduct	*-108.56*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.95*	
26 05 36 00-0419		EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	415.74	180.60
			For 60 Degree Bend, Deduct	*-67.95*	
			For 30 Degree Bend, Deduct	*-123.29*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.52*	
26 05 36 00-0420		EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.67	224.36
			For 60 Degree Bend, Deduct	*-83.20*	
			For 30 Degree Bend, Deduct	*-151.12*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.58*	
26 05 36 00-0421		EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	599.66	260.25
			For 60 Degree Bend, Deduct	*-98.14*	
			For 30 Degree Bend, Deduct	*-178.03*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.28*	
26 05 36 00-0422		EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.43	309.84
			For 60 Degree Bend, Deduct	*-114.37*	
			For 30 Degree Bend, Deduct	*-207.83*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.83*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424		EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.98	104.86
			For 60 Degree Bend, Deduct	*-61.79*	
			For 30 Degree Bend, Deduct	*-108.80*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.06	127.35
		For 60 Degree Bend, Deduct	*-68.03*	
		For 30 Degree Bend, Deduct	*-120.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.80*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.18	147.81
		For 60 Degree Bend, Deduct	*-72.44*	
		For 30 Degree Bend, Deduct	*-128.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.80*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.87	191.30
		For 60 Degree Bend, Deduct	*-83.68*	
		For 30 Degree Bend, Deduct	*-150.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.64*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.29	240.74
		For 60 Degree Bend, Deduct	*-94.91*	
		For 30 Degree Bend, Deduct	*-171.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.66*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.35	282.61
		For 60 Degree Bend, Deduct	*-117.82*	
		For 30 Degree Bend, Deduct	*-212.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.98*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	808.61	342.08
		For 60 Degree Bend, Deduct	*-135.70*	
		For 30 Degree Bend, Deduct	*-245.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.35*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.08	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.42*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.26	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.33*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.93	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.14*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.39	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.20	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.16*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	614.56	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.88*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	684.53	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.68*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.14	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.34*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.08	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.74	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.82*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.08	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.52*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.48	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.56*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	723.17	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.70*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.74	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.46*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.63	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.36*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.65	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.21*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.50	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.20*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	684.99	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.43*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.78	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.22*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	867.86	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.69*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	983.71	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.54*	
26 05 36 00-0455		12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	635.88	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.90*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	688.37	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.28*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.66	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.55*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	804.48	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.35*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.42	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.86*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,006.04	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.71*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,138.65	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.76*	
26 05 36 00-0463		24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	787.96	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.24*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.28	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.01*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.96	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.50*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.80	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.20*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,081.80	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.31*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.79	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.17*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,398.59	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.15*	
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	990.13	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.20*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.13	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,126.71	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.59*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,241.76	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.31*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,410.07	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.34*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,528.36	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.13*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,730.03	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.77*	

26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	745.35	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.47*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	764.18	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.56*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	783.76	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.69*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	827.20	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.17*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	854.45	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.83*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	928.22	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.73*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,002.98	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.22*	

26 05 36 00-0487 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,055.38	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.85*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,082.35	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.66*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,110.89	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.54*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,174.23	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.61*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,217.94	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.70*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,295.72	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.49*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,401.71	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.30*	

26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,633.00	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.75*	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,669.31	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.32*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,708.41	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.03*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,777.39	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.23*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,823.87	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,944.95	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.63*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,055.92	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.93*	

26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.40	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.14*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.76	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.77*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.29	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.75*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	951.71	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.28*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,072.25	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.12*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,192.77	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.61*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,302.01	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.49*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,087.48	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.67*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,138.83	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.99*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,193.47	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.48*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,271.44	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.04*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,419.71	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.26*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,527.92	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.63*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,708.90	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.66*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,356.44	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.77*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,431.39	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.03*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,512.68	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.60*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,649.08	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.20*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,889.98	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.77*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,062.94	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.19*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,261.62	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	905.13	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.42*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	951.10	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.59*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.21	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.65*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,093.20	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.42*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.79	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.87*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,381.90	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.51*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,511.49	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.49*	
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,306.13	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.53*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,364.28	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.54*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,425.71	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.70*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,518.61	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.75*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,683.19	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.61*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,809.05	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.75*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,034.85	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.26*	
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,662.02	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.33*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,750.55	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.95*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,845.42	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.88*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,015.77	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.87*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,297.41	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.51*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,504.33	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-196.33*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,736.96	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-213.43*	
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553		EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.81	135.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.16*	
26 05 36 00-0554		EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.39	154.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.44*	
26 05 36 00-0555		EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.95	171.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.64*	
26 05 36 00-0556		EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.25	209.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.95*	
26 05 36 00-0557		EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.86	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.22*	
26 05 36 00-0558		EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	650.87	270.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.51*	
26 05 36 00-0559		EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	749.10	309.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.10*	

26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0561		EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.97	141.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.02*	
26 05 36 00-0562		EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.79	162.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.34*	
26 05 36 00-0563		EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.13	180.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.56*	
26 05 36 00-0564		EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.35	224.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.74*	
26 05 36 00-0565		EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.61	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.28*	
26 05 36 00-0566		EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	737.88	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.17*	
26 05 36 00-0567		EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.09	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.70*	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0569		EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.23	147.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.52*	
26 05 36 00-0570		EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.16	170.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.57*	
26 05 36 00-0571		EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.07	191.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.26*	
26 05 36 00-0572		EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.71	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.61*	
26 05 36 00-0573		EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.74	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.62*	
26 05 36 00-0574		EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.72	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.78*	
26 05 36 00-0575		EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,004.32	382.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.60*	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0577		EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.87	98.49
			For 60 Degree Bend, Deduct	*-39.10*	
			For 30 Degree Bend, Deduct	*-70.64*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.37	118.14
		For 60 Degree Bend, Deduct	*-43.30*	
		For 30 Degree Bend, Deduct	*-78.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.00*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.18	135.48
		For 60 Degree Bend, Deduct	*-47.13*	
		For 30 Degree Bend, Deduct	*-86.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.73*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.93	171.25
		For 60 Degree Bend, Deduct	*-54.47*	
		For 30 Degree Bend, Deduct	*-100.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.13*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.57	209.72
		For 60 Degree Bend, Deduct	*-68.30*	
		For 30 Degree Bend, Deduct	*-125.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.58*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.41	240.74
		For 60 Degree Bend, Deduct	*-82.74*	
		For 30 Degree Bend, Deduct	*-151.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.98*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.79	282.61
		For 60 Degree Bend, Deduct	*-91.56*	
		For 30 Degree Bend, Deduct	*-168.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.03*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.27	101.61
		For 60 Degree Bend, Deduct	*-45.64*	
		For 30 Degree Bend, Deduct	*-81.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.16*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.78	122.47
		For 60 Degree Bend, Deduct	*-50.98*	
		For 30 Degree Bend, Deduct	*-91.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.47*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.55	141.44
		For 60 Degree Bend, Deduct	*-57.84*	
		For 30 Degree Bend, Deduct	*-104.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.17*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.72	180.60
		For 60 Degree Bend, Deduct	*-65.30*	
		For 30 Degree Bend, Deduct	*-118.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.72*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.95	224.36
		For 60 Degree Bend, Deduct	*-79.99*	
		For 30 Degree Bend, Deduct	*-145.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.60*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	588.04	260.25
		For 60 Degree Bend, Deduct	*-94.31*	
		For 30 Degree Bend, Deduct	*-171.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.12*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	693.13	309.84
		For 60 Degree Bend, Deduct	*-109.98*	
		For 30 Degree Bend, Deduct	*-200.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.50*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.58	104.86
		For 60 Degree Bend, Deduct	*-58.69*	
		For 30 Degree Bend, Deduct	*-103.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.22*	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.13	127.35
		For 60 Degree Bend, Deduct	*-64.75*	
		For 30 Degree Bend, Deduct	*-115.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.80*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0595		EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.04	147.81
			For 60 Degree Bend, Deduct	*-69.09*	
			For 30 Degree Bend, Deduct	*-123.36*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.79*	
26 05 36 00-0596		EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.88	191.30
			For 60 Degree Bend, Deduct	*-80.06*	
			For 30 Degree Bend, Deduct	*-144.06*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.54*	
26 05 36 00-0597		EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.67	240.74
			For 60 Degree Bend, Deduct	*-91.07*	
			For 30 Degree Bend, Deduct	*-165.16*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.50*	
26 05 36 00-0598		EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.35	282.61
			For 60 Degree Bend, Deduct	*-112.87*	
			For 30 Degree Bend, Deduct	*-203.82*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.48*	
26 05 36 00-0599		EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.92	342.08
			For 60 Degree Bend, Deduct	*-130.19*	
			For 30 Degree Bend, Deduct	*-235.99*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.68*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601		EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.89	135.48
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.50*	
26 05 36 00-0602		EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.86	154.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.39*	
26 05 36 00-0603		EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.21	171.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.17*	
26 05 36 00-0604		EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.25	209.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.95*	
26 05 36 00-0605		EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	541.64	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.10*	
26 05 36 00-0606		EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	603.15	270.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.74*	
26 05 36 00-0607		EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	672.70	309.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.49*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609		EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.15	141.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.04*	
26 05 36 00-0610		EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.78	162.57
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.23*	
26 05 36 00-0611		EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.90	180.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.44*	
26 05 36 00-0612		EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.51	224.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.06*	
26 05 36 00-0613		EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.16	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.03*	
26 05 36 00-0614		EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.01	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.09*	
26 05 36 00-0615		EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	811.57	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.65*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0617		EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.10	147.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.48	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.39*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.12	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.37*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	665.13	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.45*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	737.71	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.22*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	845.04	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.41*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	959.42	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.11*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.66	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.88*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	666.64	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.11*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	698.72	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.26*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	778.22	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.73*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.63	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.78*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	969.22	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.03*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,097.00	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.59*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	756.27	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.07*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	815.08	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.69*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.56	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.06*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.67	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.49*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.36	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.27*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,118.73	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.77*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,342.15	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.50*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	942.74	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.46*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,012.93	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.78*	
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,074.20	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.34*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,185.32	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,346.39	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.98*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,458.95	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.18*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,655.48	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.32*	
26 05 36 00-0648		12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	710.95	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.03*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	729.47	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.09*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.75	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.19*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.58	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.60*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	818.24	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.21*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	889.58	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.86*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	962.84	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.21*	
26 05 36 00-0656		24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	993.21	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.64*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,019.28	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.35*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,046.91	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.14*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.43	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.03*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,150.34	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.94*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,226.31	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.55*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,329.28	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.06*	
26 05 36 00-0664		36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,516.81	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.13*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,551.61	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.55*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,589.20	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.11*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,656.67	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.16*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,701.64	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.09*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,818.20	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.95*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,927.66	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0672		**12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.36	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.64*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	806.50	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.14*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.62	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.88*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	920.33	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.14*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,037.24	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.62*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,150.82	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.42*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,255.23	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.81*	
26 05 36 00-0680		**24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,038.89	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.81*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,088.73	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.98*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,141.86	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.32*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,216.51	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.54*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,361.16	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.41*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,465.45	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.39*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,636.47	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.42*	
26 05 36 00-0688		**36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,288.54	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.98*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,360.47	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.94*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,438.74	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.21*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.60	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.05*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,799.44	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.72*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,964.86	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.38*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,155.99	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.33*	
26 05 36 00-0696		**12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	868.81	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	913.03	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.78*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	975.64	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.49*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.68	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.86*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.03	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.80*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,321.07	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.43*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,443.66	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.71*	

26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,235.68	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.49*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,291.63	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.27*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,350.87	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.22*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,438.97	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.79*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,598.29	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.12*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,718.46	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.69*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,929.82	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.75*	

26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,563.55	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.49*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,647.71	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.66*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,738.20	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.16*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,897.62	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.05*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,166.13	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.38*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,362.10	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.11*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,583.80	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.11*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	305.51	99.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.22*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	322.30	108.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.21*	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	350.15	124.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.60*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	385.75	144.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.53*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	418.83	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	475.58	185.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.08*	
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	356.31	125.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.21*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	392.14	144.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.15*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	430.69	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.53*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	436.51	162.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.13*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	478.60	185.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.38*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	492.76	190.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.39*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	508.95	196.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.50*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	83.28	40.64
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	95.62	46.47
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	103.24	49.99
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	121.87	59.07
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	136.75	65.03
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	151.54	72.21
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	171.09	81.29
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	125.29	9.49
		For Class 12C Instead Of Class 12B, Add	*17.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.26*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	132.49	10.03
		For Class 12C Instead Of Class 12B, Add	*18.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.62*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	139.68	10.43
		For Class 12C Instead Of Class 12B, Add	*19.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.98*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	155.19	11.38
		For Class 12C Instead Of Class 12B, Add	*21.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.76*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	179.28	12.20
		For Class 12C Instead Of Class 12B, Add	*24.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.96*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	196.68	13.01
		For Class 12C Instead Of Class 12B, Add	*27.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.83*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	212.04	13.82
		For Class 12C Instead Of Class 12B, Add	*29.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.60*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	115.34	9.49
		For Class 12C Instead Of Class 12B, Add	*15.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.77*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	121.96	10.03
		For Class 12C Instead Of Class 12B, Add	*16.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.10*	
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	128.56	10.43
		For Class 12C Instead Of Class 12B, Add	*17.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.43*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	142.81	11.38
		For Class 12C Instead Of Class 12B, Add	*19.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	164.82	12.20
		For Class 12C Instead Of Class 12B, Add	*22.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.24*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	180.77	13.01
		For Class 12C Instead Of Class 12B, Add	*24.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.04*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	194.86	13.82
		For Class 12C Instead Of Class 12B, Add	*26.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.74*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	102.55	9.08
		For Class 12C Instead Of Class 12B, Add	*13.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.13*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	103.69	9.49
		For Class 12C Instead Of Class 12B, Add	*13.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.18*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	111.26	10.03
		For Class 12C Instead Of Class 12B, Add	*15.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.56*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	118.77	10.70
		For Class 12C Instead Of Class 12B, Add	*16.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.94*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	134.93	11.11
		For Class 12C Instead Of Class 12B, Add	*18.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.75*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	149.54	11.93
		For Class 12C Instead Of Class 12B, Add	*20.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.48*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	158.56	13.01
		For Class 12C Instead Of Class 12B, Add	*21.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.93*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	100.55	8.81
		For Class 12C Instead Of Class 12B, Add	*13.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.03*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	101.58	9.08
		For Class 12C Instead Of Class 12B, Add	*13.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.08*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	105.38	9.62
		For Class 12C Instead Of Class 12B, Add	*14.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.27*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	111.65	10.16
		For Class 12C Instead Of Class 12B, Add	*15.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.58*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	122.57	10.30
		For Class 12C Instead Of Class 12B, Add	*16.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.13*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	131.48	11.38
		For Class 12C Instead Of Class 12B, Add	*17.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.57*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	138.90	12.33
		For Class 12C Instead Of Class 12B, Add	*18.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.95*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	99.67	8.54
		For Class 12C Instead Of Class 12B, Add	*13.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.98*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	99.23	8.95
		For Class 12C Instead Of Class 12B, Add	*13.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	104.71	9.22
		For Class 12C Instead Of Class 12B, Add	*14.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.24*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	110.35	9.76
		For Class 12C Instead Of Class 12B, Add	*14.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.52*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	117.89	9.89
		For Class 12C Instead Of Class 12B, Add	*16.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.89*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	122.77	10.84
		For Class 12C Instead Of Class 12B, Add	*16.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.14*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	129.36	11.79
		For Class 12C Instead Of Class 12B, Add	*17.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.47*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	386.03	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.30*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	421.64	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.08*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	479.09	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.95*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	567.76	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.39*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	672.07	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.60*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	738.53	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.93*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	863.70	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.19*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	518.43	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.92*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.76	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.29*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	610.22	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.51*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	709.27	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.46*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	801.43	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.07*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	894.41	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.72*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,022.82	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.14*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	557.32	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.87*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	604.12	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.21*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	674.57	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.73*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	801.39	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	923.70	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.19*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,039.00	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.95*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,206.47	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.32*	
26 05 36 00-0811		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	269.18	98.49
		For 60 Degree Bend, Deduct	*-51.09*	
		For 30 Degree Bend, Deduct	*-90.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.46*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	305.92	118.14
		For 60 Degree Bend, Deduct	*-55.69*	
		For 30 Degree Bend, Deduct	*-99.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.30*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	338.96	135.48
		For 60 Degree Bend, Deduct	*-59.92*	
		For 30 Degree Bend, Deduct	*-107.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.95*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	418.70	171.25
		For 60 Degree Bend, Deduct	*-72.54*	
		For 30 Degree Bend, Deduct	*-130.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.94*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	515.23	209.72
		For 60 Degree Bend, Deduct	*-89.63*	
		For 30 Degree Bend, Deduct	*-161.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.76*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	591.24	240.74
		For 60 Degree Bend, Deduct	*-102.81*	
		For 30 Degree Bend, Deduct	*-184.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.56*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	669.10	282.61
		For 60 Degree Bend, Deduct	*-112.46*	
		For 30 Degree Bend, Deduct	*-203.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.46*	
26 05 36 00-0819		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	310.71	101.61
		For 60 Degree Bend, Deduct	*-63.60*	
		For 30 Degree Bend, Deduct	*-111.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.54*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	361.77	122.47
		For 60 Degree Bend, Deduct	*-72.43*	
		For 30 Degree Bend, Deduct	*-127.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.09*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	397.35	141.44
		For 60 Degree Bend, Deduct	*-76.91*	
		For 30 Degree Bend, Deduct	*-136.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.87*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	474.84	180.60
		For 60 Degree Bend, Deduct	*-87.45*	
		For 30 Degree Bend, Deduct	*-155.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.74*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	575.91	224.36
		For 60 Degree Bend, Deduct	*-104.07*	
		For 30 Degree Bend, Deduct	*-185.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.80*	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	676.15	260.25
		For 60 Degree Bend, Deduct	*-123.39*	
		For 30 Degree Bend, Deduct	*-220.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.81*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	770.91	309.84
		For 60 Degree Bend, Deduct	*-135.65*	
		For 30 Degree Bend, Deduct	*-243.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0827		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	364.62	104.86
		For 60 Degree Bend, Deduct	*-80.15*	
		For 30 Degree Bend, Deduct	*-139.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.23*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	406.20	127.35
		For 60 Degree Bend, Deduct	*-85.24*	
		For 30 Degree Bend, Deduct	*-149.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.31*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	444.35	147.81
		For 60 Degree Bend, Deduct	*-89.98*	
		For 30 Degree Bend, Deduct	*-158.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.22*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	537.16	191.30
		For 60 Degree Bend, Deduct	*-103.91*	
		For 30 Degree Bend, Deduct	*-183.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.86*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	668.03	240.74
		For 60 Degree Bend, Deduct	*-128.15*	
		For 30 Degree Bend, Deduct	*-226.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.40*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	753.97	282.61
		For 60 Degree Bend, Deduct	*-140.46*	
		For 30 Degree Bend, Deduct	*-249.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.70*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	881.37	342.08
		For 60 Degree Bend, Deduct	*-159.71*	
		For 30 Degree Bend, Deduct	*-285.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.07*	
26 05 36 00-0835		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	424.26	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.21*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	467.24	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.36*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	497.99	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.90*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	569.64	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.48*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	632.23	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.61*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	693.35	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.67*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	764.50	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.23*	
26 05 36 00-0843		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	450.23	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.51*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	494.67	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.73*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	530.19	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.51*	
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	615.60	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.78*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	689.86	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.49*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	762.92	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.15*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0850		EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	858.86	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*42.94*	
26 05 36 00-0851			**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0852		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.11	147.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.91*	
26 05 36 00-0853		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	624.29	171.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.17*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.21*	
26 05 36 00-0854		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	679.77	191.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.03*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.99*	
26 05 36 00-0855		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	776.57	240.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.59*	
			For 6" Overall Height Instead Of 4-5/8", Add	*38.83*	
26 05 36 00-0856		EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	860.77	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.04*	
26 05 36 00-0857		EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	960.48	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*48.02*	
26 05 36 00-0858		EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,073.25	382.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.66*	
26 05 36 00-0859			**12" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0860		EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	662.58	260.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.57*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.13*	
26 05 36 00-0861		EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	714.99	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*35.75*	
26 05 36 00-0862		EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	739.97	295.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.00*	
26 05 36 00-0863		EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	838.37	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*41.92*	
26 05 36 00-0864		EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	928.06	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.73*	
			For 6" Overall Height Instead Of 4-5/8", Add	*46.40*	
26 05 36 00-0865		EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,016.86	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.79*	
			For 6" Overall Height Instead Of 4-5/8", Add	*50.84*	
26 05 36 00-0866		EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,176.24	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*58.81*	
26 05 36 00-0867			**24" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0868		EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	861.35	282.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.07*	
26 05 36 00-0869		EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	929.10	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.10*	
			For 6" Overall Height Instead Of 4-5/8", Add	*46.46*	
26 05 36 00-0870		EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	965.96	325.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*48.30*	
26 05 36 00-0871		EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,063.16	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.24*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.16*	
26 05 36 00-0872		EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,180.25	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.01*	
26 05 36 00-0873		EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,273.81	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.27*	
			For 6" Overall Height Instead Of 4-5/8", Add	*63.69*	
26 05 36 00-0874		EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,678.58	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.15*	
			For 6" Overall Height Instead Of 4-5/8", Add	*83.93*	
26 05 36 00-0875			**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876		EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,067.95	309.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.98*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.40*	
26 05 36 00-0877		EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,136.85	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.18*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,220.77	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.04*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,330.36	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.52*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,493.79	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.69*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,746.12	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.31*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,997.81	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.89*	

26 05 36 00-0883 12" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	915.42	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.77*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	946.24	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.31*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	966.55	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.33*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,015.21	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.76*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,081.46	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.07*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,142.34	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.12*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,220.77	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.04*	

26 05 36 00-0891 24" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,304.29	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.21*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,333.47	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.67*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,364.21	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.21*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,435.71	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.79*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,483.84	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.19*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,566.02	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.30*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,728.14	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.41*	

26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,127.32	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.37*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,170.04	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*108.50*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,215.56	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.78*	
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,290.99	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.55*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,343.88	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.19*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,484.20	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-214.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*124.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,601.58	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-221.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*130.08*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	860.89	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.04*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	922.94	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.15*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	958.09	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.90*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,069.40	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.47*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,168.73	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.44*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,298.65	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.93*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,490.94	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.55*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,213.27	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.66*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,268.29	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.41*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,326.61	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.33*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,405.15	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.26*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,577.25	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.86*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,734.95	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.75*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,922.28	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.11*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,397.91	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.90*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,506.84	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.34*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,605.03	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.25*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,682.33	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.12*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,035.33	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.77*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,245.42	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.27*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,500.00	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*125.00*	
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	860.89	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.04*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	923.13	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	957.99	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.90*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,069.64	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.48*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,168.73	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.44*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,299.00	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.95*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,489.91	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.50*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,213.27	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.66*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,268.29	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.41*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,326.61	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.33*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,405.15	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.26*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,577.25	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.86*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,698.76	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.94*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,881.47	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.07*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,722.14	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.11*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,810.44	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.52*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,926.85	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.34*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,063.98	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.20*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,508.17	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*125.41*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,768.92	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-222.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*138.45*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	3,082.60	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-247.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*154.13*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	363.23	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.16*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	398.25	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.91*	
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	451.37	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.57*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	536.59	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.83*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	633.39	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	697.54	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.88*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	814.05	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.70*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	478.01	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.90*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	523.61	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.18*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	566.06	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.30*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	661.35	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.07*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	748.90	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.45*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	836.96	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.85*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	958.16	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.91*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	512.87	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.64*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	558.51	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.93*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	623.76	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.19*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.24	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.21*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	859.04	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.95*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	967.98	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.40*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,125.07	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.25*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	254.16	98.49
		For 60 Degree Bend, Deduct	*-46.13*	
		For 30 Degree Bend, Deduct	*-82.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.71*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	290.33	118.14
		For 60 Degree Bend, Deduct	*-50.54*	
		For 30 Degree Bend, Deduct	*-90.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.52*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	322.79	135.48
		For 60 Degree Bend, Deduct	*-54.59*	
		For 30 Degree Bend, Deduct	*-98.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.14*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.65	171.25
		For 60 Degree Bend, Deduct	*-66.26*	
		For 30 Degree Bend, Deduct	*-119.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.98*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	491.55	209.72
		For 60 Degree Bend, Deduct	*-81.82*	
		For 30 Degree Bend, Deduct	*-148.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	564.11	240.74
		For 60 Degree Bend, Deduct	*-93.86*	
		For 30 Degree Bend, Deduct	*-169.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.21*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	640.81	282.61
		For 60 Degree Bend, Deduct	*-103.12*	
		For 30 Degree Bend, Deduct	*-187.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.04*	

26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	290.50	101.61
		For 60 Degree Bend, Deduct	*-56.94*	
		For 30 Degree Bend, Deduct	*-100.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.53*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	339.26	122.47
		For 60 Degree Bend, Deduct	*-65.00*	
		For 30 Degree Bend, Deduct	*-115.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.96*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	374.26	141.44
		For 60 Degree Bend, Deduct	*-69.29*	
		For 30 Degree Bend, Deduct	*-123.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.71*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	450.01	180.60
		For 60 Degree Bend, Deduct	*-79.26*	
		For 30 Degree Bend, Deduct	*-142.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.50*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	547.04	224.36
		For 60 Degree Bend, Deduct	*-94.54*	
		For 30 Degree Bend, Deduct	*-170.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.35*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	641.51	260.25
		For 60 Degree Bend, Deduct	*-111.95*	
		For 30 Degree Bend, Deduct	*-201.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.08*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	734.53	309.84
		For 60 Degree Bend, Deduct	*-123.65*	
		For 30 Degree Bend, Deduct	*-223.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.73*	

26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	337.49	104.86
		For 60 Degree Bend, Deduct	*-71.20*	
		For 30 Degree Bend, Deduct	*-124.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.87*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	378.48	127.35
		For 60 Degree Bend, Deduct	*-76.09*	
		For 30 Degree Bend, Deduct	*-133.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.92*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	416.06	147.81
		For 60 Degree Bend, Deduct	*-80.65*	
		For 30 Degree Bend, Deduct	*-142.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.80*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	505.99	191.30
		For 60 Degree Bend, Deduct	*-93.62*	
		For 30 Degree Bend, Deduct	*-166.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.30*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	629.93	240.74
		For 60 Degree Bend, Deduct	*-115.58*	
		For 30 Degree Bend, Deduct	*-206.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.50*	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	713.55	282.61
		For 60 Degree Bend, Deduct	*-127.13*	
		For 30 Degree Bend, Deduct	*-227.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.68*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	836.92	342.08
		For 60 Degree Bend, Deduct	*-145.04*	
		For 30 Degree Bend, Deduct	*-260.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1004		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	408.38	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.42*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	450.50	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.53*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	480.96	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.05*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	552.03	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.60*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	613.76	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.69*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	674.01	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.70*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	744.58	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.23*	
26 05 36 00-1012		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.05	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.65*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	476.77	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.84*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	511.86	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.59*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	596.26	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.81*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	669.37	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.47*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	741.27	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.06*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	835.77	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.79*	
26 05 36 00-1020		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	551.55	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.58*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	597.15	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.86*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	650.90	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.55*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	746.55	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.33*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	829.60	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.48*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	926.99	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.35*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,038.32	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.92*	
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	644.98	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.25*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	696.23	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.81*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	720.92	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	815.57	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.78*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	902.95	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.15*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	987.71	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.39*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,141.31	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.07*	

26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	831.33	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.57*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	897.34	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.87*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	933.34	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.67*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,027.65	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.38*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,141.57	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.08*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,231.37	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.57*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,613.62	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.68*	

26 05 36 00-1044 36" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,025.51	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.28*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,093.26	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.66*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,173.14	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.66*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,280.13	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.01*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,438.36	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.92*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,675.98	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.80*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,919.87	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.99*	

26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	875.87	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.79*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	905.54	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.28*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	925.56	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.28*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	973.35	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.67*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.14	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.81*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,096.15	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.81*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,173.14	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.66*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1060		**24" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,237.32	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.87*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,265.64	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.28*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,295.51	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.78*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,364.99	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.25*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,411.38	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.57*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,491.83	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.59*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,647.32	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.37*	
26 05 36 00-1068		**36" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,999.92	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.00*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,040.99	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.05*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,084.84	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.24*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,158.62	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.93*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,209.86	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.49*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,345.21	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.26*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,460.94	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-207.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*123.05*	
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	836.35	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.82*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	895.81	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.79*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	930.66	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.53*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.20	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.81*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,134.38	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.72*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,258.23	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.91*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,440.42	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.02*	
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,166.22	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.31*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,219.80	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.99*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,276.67	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,352.61	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.63*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,520.10	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.01*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,637.56	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.88*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,812.48	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.62*	

26 05 36 00-1092 36" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,342.48	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.12*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,414.96	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.75*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,507.64	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.38*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,617.09	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.85*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,954.51	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.73*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,155.94	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.80*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,400.41	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*120.02*	

26 05 36 00-1100 12" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	836.35	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.82*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	896.00	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.80*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	930.56	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.53*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.44	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.82*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,134.38	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.72*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,258.58	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.93*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,439.39	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.97*	

26 05 36 00-1108 24" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,166.22	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.31*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,219.80	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.99*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,276.67	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.83*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,352.61	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.63*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,520.10	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.01*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,637.56	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.88*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,812.48	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1116		36" Radius Vertical Crosses *(26 05 36 00-0955)*		
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,641.77	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.09*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,726.73	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.34*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,838.11	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.91*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,969.38	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.47*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,390.97	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*119.55*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,639.17	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-209.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*131.96*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,938.20	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-233.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*146.91*	
26 05 36 00-1124		9" Rung Tray Fittings *(26 05 36 00-0744)*		
26 05 36 00-1125		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	340.42	135.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.02*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	374.87	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.74*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	423.66	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.18*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	505.41	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.27*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	594.71	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.74*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	656.54	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.83*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	764.39	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.22*	
26 05 36 00-1133		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	437.60	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.88*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	481.47	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.07*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	521.89	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.09*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	613.43	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.67*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	696.36	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.82*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	779.52	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.98*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	893.50	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.68*	
26 05 36 00-1141		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	468.41	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.42*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	512.90	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	572.96	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.65*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	687.08	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.35*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	794.38	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.72*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	896.97	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.85*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,043.66	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.18*	
26 05 36 00-1149		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	239.15	98.49
		For 60 Degree Bend, Deduct	*-41.18*	
		For 30 Degree Bend, Deduct	*-74.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.96*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	274.74	118.14
		For 60 Degree Bend, Deduct	*-45.40*	
		For 30 Degree Bend, Deduct	*-82.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.74*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	306.63	135.48
		For 60 Degree Bend, Deduct	*-49.25*	
		For 30 Degree Bend, Deduct	*-89.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.33*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	380.60	171.25
		For 60 Degree Bend, Deduct	*-59.97*	
		For 30 Degree Bend, Deduct	*-109.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.03*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	467.88	209.72
		For 60 Degree Bend, Deduct	*-74.01*	
		For 30 Degree Bend, Deduct	*-135.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.39*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	536.97	240.74
		For 60 Degree Bend, Deduct	*-84.90*	
		For 30 Degree Bend, Deduct	*-154.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.85*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	612.52	282.61
		For 60 Degree Bend, Deduct	*-93.79*	
		For 30 Degree Bend, Deduct	*-172.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.63*	
26 05 36 00-1157		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	270.29	101.61
		For 60 Degree Bend, Deduct	*-50.27*	
		For 30 Degree Bend, Deduct	*-89.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.51*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	316.74	122.47
		For 60 Degree Bend, Deduct	*-57.57*	
		For 30 Degree Bend, Deduct	*-102.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.84*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	351.17	141.44
		For 60 Degree Bend, Deduct	*-61.68*	
		For 30 Degree Bend, Deduct	*-110.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.56*	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	425.19	180.60
		For 60 Degree Bend, Deduct	*-71.07*	
		For 30 Degree Bend, Deduct	*-128.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.26*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	518.17	224.36
		For 60 Degree Bend, Deduct	*-85.01*	
		For 30 Degree Bend, Deduct	*-154.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.91*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	606.87	260.25
		For 60 Degree Bend, Deduct	*-100.52*	
		For 30 Degree Bend, Deduct	*-181.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	698.16	309.84
		For 60 Degree Bend, Deduct	*-111.64*	
		For 30 Degree Bend, Deduct	*-203.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.91*	

26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	310.35	104.86
		For 60 Degree Bend, Deduct	*-62.24*	
		For 30 Degree Bend, Deduct	*-109.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.52*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	350.77	127.35
		For 60 Degree Bend, Deduct	*-66.95*	
		For 30 Degree Bend, Deduct	*-118.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.54*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	387.77	147.81
		For 60 Degree Bend, Deduct	*-71.31*	
		For 30 Degree Bend, Deduct	*-127.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.39*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	474.81	191.30
		For 60 Degree Bend, Deduct	*-83.33*	
		For 30 Degree Bend, Deduct	*-149.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.74*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	591.82	240.74
		For 60 Degree Bend, Deduct	*-103.00*	
		For 30 Degree Bend, Deduct	*-185.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.59*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	673.14	282.61
		For 60 Degree Bend, Deduct	*-113.79*	
		For 30 Degree Bend, Deduct	*-205.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.66*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	792.46	342.08
		For 60 Degree Bend, Deduct	*-130.37*	
		For 30 Degree Bend, Deduct	*-236.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.62*	

26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	384.57	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.23*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	425.39	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.27*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	455.41	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.77*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.62	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.28*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	586.05	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.30*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	645.00	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.25*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	714.70	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.74*	

26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	407.29	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.36*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	449.92	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.50*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	484.36	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.22*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	567.25	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.36*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	638.62	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	708.79	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.44*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	801.12	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.06*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	511.72	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.59*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	556.45	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.82*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	607.60	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.38*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	701.52	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.08*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	782.83	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.14*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	876.77	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.84*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	985.93	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.30*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	609.76	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.49*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	658.70	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.94*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	682.81	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.14*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.96	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.50*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	852.72	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.64*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.40	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.47*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,071.45	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.57*	
26 05 36 00-1205		**24" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	771.29	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.56*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	833.84	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.69*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	868.11	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.41*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	956.64	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.83*	
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,064.21	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.21*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,146.50	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.33*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,483.72	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.19*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	940.64	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,006.08	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.30*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,077.88	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.89*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,179.67	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.98*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,327.51	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.38*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,535.68	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.78*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,763.98	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.20*	
26 05 36 00-1221		**12" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	796.78	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.84*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	824.13	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.21*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	843.58	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.18*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	889.64	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.48*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	945.50	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.28*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,003.78	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.19*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,077.88	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.89*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.38	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.17*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,129.96	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.50*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,158.10	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.91*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.54	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.18*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,266.47	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.32*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,343.46	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.17*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,485.66	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.28*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,745.11	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.26*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,782.87	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.14*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,823.42	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.17*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,893.88	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.69*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,941.81	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,067.24	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.36*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,179.66	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*108.98*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	787.28	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.36*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	841.54	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.08*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	875.82	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.79*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	969.81	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.49*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,065.68	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.28*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,177.41	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.87*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,339.39	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.97*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,072.11	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.61*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,122.80	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.14*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,176.79	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.84*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,247.54	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.38*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,405.78	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.29*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,515.17	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.76*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,674.50	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.73*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,231.63	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.58*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,299.50	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.98*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,385.25	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.26*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,486.61	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.33*	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,792.85	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.64*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,976.96	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.85*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,201.23	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.06*	
26 05 36 00-1269		**12" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	787.28	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.36*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271		EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	841.54	342.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*42.08*	
26 05 36 00-1272		EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	875.82	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.79*	
26 05 36 00-1273		EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	969.81	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*48.49*	
26 05 36 00-1274		EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,065.68	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.46*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.28*	
26 05 36 00-1275		EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,177.41	464.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.08*	
			For 6" Overall Height Instead Of 4-5/8", Add	*58.87*	
26 05 36 00-1276		EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,337.34	499.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.13*	
			For 6" Overall Height Instead Of 4-5/8", Add	*66.87*	
26 05 36 00-1277			**24" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1278		EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,072.11	360.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.13*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.61*	
26 05 36 00-1279		EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,122.80	382.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.14*	
26 05 36 00-1280		EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,176.79	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*58.84*	
26 05 36 00-1281		EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,247.54	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.65*	
			For 6" Overall Height Instead Of 4-5/8", Add	*62.38*	
26 05 36 00-1282		EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,405.78	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.87*	
			For 6" Overall Height Instead Of 4-5/8", Add	*70.29*	
26 05 36 00-1283		EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,515.17	541.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.36*	
			For 6" Overall Height Instead Of 4-5/8", Add	*75.76*	
26 05 36 00-1284		EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,674.50	590.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*83.73*	
26 05 36 00-1285			**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1286		EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,481.04	406.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*74.05*	
26 05 36 00-1287		EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,559.30	433.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*77.97*	
26 05 36 00-1288		EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,660.64	464.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*83.03*	
26 05 36 00-1289		EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,780.19	500.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.31*	
			For 6" Overall Height Instead Of 4-5/8", Add	*89.01*	
26 05 36 00-1290		EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,156.57	590.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.43*	
			For 6" Overall Height Instead Of 4-5/8", Add	*107.83*	
26 05 36 00-1291		EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,379.65	649.21
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.86*	
			For 6" Overall Height Instead Of 4-5/8", Add	*118.98*	
26 05 36 00-1292		EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,649.38	723.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.67*	
			For 6" Overall Height Instead Of 4-5/8", Add	*132.47*	
26 05 36 00-1293			**12" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1294			**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295		EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	332.44	135.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.92*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.62*	
26 05 36 00-1296		EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	366.69	154.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.33*	
26 05 36 00-1297		EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	413.96	171.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.14*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.70*	
26 05 36 00-1298		EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	494.50	209.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	581.17	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.06*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	642.20	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.11*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	747.02	309.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.35*	

26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	423.45	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.17*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	466.72	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.34*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	506.43	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.32*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	596.66	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.83*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	677.97	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.90*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	759.41	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.97*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	870.87	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.54*	

26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	452.86	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.64*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	496.93	170.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	555.18	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.76*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	667.08	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.35*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	771.75	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.59*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	872.12	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.61*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,015.17	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.76*	

26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	233.90	98.49
		For 60 Degree Bend, Deduct	*-39.44*	
		For 30 Degree Bend, Deduct	*-71.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.70*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	269.28	118.14
		For 60 Degree Bend, Deduct	*-43.60*	
		For 30 Degree Bend, Deduct	*-79.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.46*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	300.97	135.48
		For 60 Degree Bend, Deduct	*-47.39*	
		For 30 Degree Bend, Deduct	*-86.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.05*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	373.93	171.25
		For 60 Degree Bend, Deduct	*-57.77*	
		For 30 Degree Bend, Deduct	*-105.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.70*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	459.60	209.72
		For 60 Degree Bend, Deduct	*-71.28*	
		For 30 Degree Bend, Deduct	*-130.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	527.48	240.74
		For 60 Degree Bend, Deduct	*-81.77*	
		For 30 Degree Bend, Deduct	*-149.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.37*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	602.62	282.61
		For 60 Degree Bend, Deduct	*-90.52*	
		For 30 Degree Bend, Deduct	*-166.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.13*	
26 05 36 00-1326		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	263.22	101.61
		For 60 Degree Bend, Deduct	*-47.93*	
		For 30 Degree Bend, Deduct	*-85.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	308.86	122.47
		For 60 Degree Bend, Deduct	*-54.97*	
		For 30 Degree Bend, Deduct	*-98.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.44*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	343.08	141.44
		For 60 Degree Bend, Deduct	*-59.01*	
		For 30 Degree Bend, Deduct	*-106.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.15*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	416.50	180.60
		For 60 Degree Bend, Deduct	*-68.20*	
		For 30 Degree Bend, Deduct	*-123.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.83*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	508.07	224.36
		For 60 Degree Bend, Deduct	*-81.68*	
		For 30 Degree Bend, Deduct	*-148.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.40*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	594.75	260.25
		For 60 Degree Bend, Deduct	*-96.52*	
		For 30 Degree Bend, Deduct	*-175.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.74*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	685.43	309.84
		For 60 Degree Bend, Deduct	*-107.44*	
		For 30 Degree Bend, Deduct	*-196.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.27*	
26 05 36 00-1334		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	300.86	104.86
		For 60 Degree Bend, Deduct	*-59.11*	
		For 30 Degree Bend, Deduct	*-104.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.04*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	341.07	127.35
		For 60 Degree Bend, Deduct	*-63.74*	
		For 30 Degree Bend, Deduct	*-113.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.05*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	377.87	147.81
		For 60 Degree Bend, Deduct	*-68.04*	
		For 30 Degree Bend, Deduct	*-121.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.89*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	463.90	191.30
		For 60 Degree Bend, Deduct	*-79.73*	
		For 30 Degree Bend, Deduct	*-143.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.20*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.48	240.74
		For 60 Degree Bend, Deduct	*-98.60*	
		For 30 Degree Bend, Deduct	*-177.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.92*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	658.99	282.61
		For 60 Degree Bend, Deduct	*-109.12*	
		For 30 Degree Bend, Deduct	*-197.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.95*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	776.91	342.08
		For 60 Degree Bend, Deduct	*-125.24*	
		For 30 Degree Bend, Deduct	*-227.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.69	135.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.43*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	408.64	154.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.43*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	438.38	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.92*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	508.01	209.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.40*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	567.57	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.38*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	625.66	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.28*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	694.78	309.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.74*	
26 05 36 00-1350		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	390.11	141.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.51*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	432.03	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.60*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	466.03	180.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.30*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	547.91	224.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.40*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	618.13	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.91*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	687.14	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.36*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	778.03	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.90*	
26 05 36 00-1358		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	485.16	147.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.26*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	529.31	171.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.47*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.73	191.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.94*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	671.49	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.57*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	751.66	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.58*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	843.28	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.16*	
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	951.00	382.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.55*	
26 05 36 00-1366		**12" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	592.15	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.61*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	639.94	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.00*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	663.76	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	747.15	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.36*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.61	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.38*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	900.24	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.01*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.52	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.83*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	741.26	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.06*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	802.08	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.10*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	835.49	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.77*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	921.14	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.06*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,025.52	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.28*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,104.07	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.20*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,418.77	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.94*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	898.21	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.91*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	962.49	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.12*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,030.25	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.51*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,129.44	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.47*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,272.09	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.60*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,465.54	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.28*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,686.04	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.30*	

26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	757.23	240.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.86*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	783.43	250.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.17*	
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	802.59	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.13*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	847.78	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.39*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	900.18	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.01*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	957.59	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.88*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,030.25	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398		**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,036.41	260.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.82*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,062.12	270.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.11*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,089.40	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.47*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,152.81	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.64*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,194.01	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.70*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,269.27	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.46*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,404.83	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.24*	
26 05 36 00-1406		**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,617.70	282.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.89*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,653.81	295.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.69*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,692.71	309.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.64*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,761.51	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.08*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,807.79	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.39*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,928.26	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.41*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,039.02	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.95*	
26 05 36 00-1414		**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.74	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.14*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	814.40	342.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.72*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	848.39	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.42*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	936.61	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.83*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,031.32	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.57*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,136.99	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.85*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,288.87	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.44*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,025.06	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.25*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.31	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.72*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.85	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,195.00	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.75*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,348.63	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.43*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,453.97	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.70*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,605.51	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.28*	

26 05 36 00-1430 36" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,176.21	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.81*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,241.76	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.09*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,324.05	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.20*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,421.37	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.07*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,712.02	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.60*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,887.48	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.37*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,101.64	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.08*	

26 05 36 00-1438 12" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.74	325.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.14*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	814.59	342.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.73*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	848.29	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.41*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	936.85	382.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.84*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,031.32	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.57*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,137.34	464.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.87*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,287.84	499.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.39*	

26 05 36 00-1446 24" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,025.06	360.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.25*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.31	382.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.72*	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.85	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.34*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,195.00	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.75*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,348.63	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.43*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,453.97	541.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.70*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,605.51	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,400.68	406.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.03*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,475.58	433.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.78*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,571.90	464.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.60*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,685.59	500.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.28*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,039.37	590.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.97*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,249.90	649.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.50*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,504.98	723.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*125.25*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	296.58	99.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.83*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	313.24	108.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.66*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	343.97	124.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.20*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	379.45	144.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.97*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	412.40	162.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.62*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	459.70	185.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.99*	
26 05 36 00-1470		**Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	344.10	125.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.21*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	379.80	144.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.99*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	412.19	162.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.61*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	414.85	162.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.74*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	456.81	185.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.84*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	467.83	190.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.39*	
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	483.75	196.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.19*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	84.92	40.64
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	95.69	46.47
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	103.24	49.99
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	125.18	59.07
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	139.70	65.03
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	157.69	72.21
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	176.90	81.29

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1486			Solid Bottom Cable Tray *(26 05 36 00-0001)* Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections *(26 05 36 00-1486)*		
26 05 36 00-1488		LF	6" Solid Bottom Steel Cable Tray, Straight Section	34.84	10.57
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.45*	
26 05 36 00-1489		LF	12" Solid Bottom Steel Cable Tray, Straight Section	43.42	13.01
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.35*	
26 05 36 00-1490		LF	18" Solid Bottom Steel Cable Tray, Straight Section	57.90	18.70
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.57*	
26 05 36 00-1491		LF	24" Solid Bottom Steel Cable Tray, Straight Section	67.01	21.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.48*	
26 05 36 00-1492		LF	30" Solid Bottom Steel Cable Tray, Straight Section	80.29	25.88
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.72*	
26 05 36 00-1493		LF	36" Solid Bottom Steel Cable Tray, Straight Section	102.58	29.67
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*10.45*	
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1486)*		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*		
26 05 36 00-1496		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	355.64	135.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.75*	
26 05 36 00-1497		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	463.28	190.76
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.69*	
26 05 36 00-1498		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	567.31	240.74
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.97*	
26 05 36 00-1499		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	695.32	295.75
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.00*	
26 05 36 00-1500		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	812.38	342.76
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.74*	
26 05 36 00-1501		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	912.79	382.73
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.13*	
26 05 36 00-1502			90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*		
26 05 36 00-1503		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	419.53	141.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.39*	
26 05 36 00-1504		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	554.33	203.35
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.25*	
26 05 36 00-1505		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	682.68	260.25
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.04*	
26 05 36 00-1506		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	832.42	325.14
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.67*	
26 05 36 00-1507		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	976.44	382.04
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.80*	
26 05 36 00-1508		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,103.46	433.26
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.30*	
26 05 36 00-1509			90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*		
26 05 36 00-1510		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	515.55	147.54
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.75*	
26 05 36 00-1511		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	665.33	217.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.61*	
26 05 36 00-1512		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	842.64	283.01
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.22*	
26 05 36 00-1513		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,003.63	360.91
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.39*	
26 05 36 00-1514		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,204.62	433.26
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*108.48*	
26 05 36 00-1515		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,374.29	499.23
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.93*	
26 05 36 00-1516			45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*		
26 05 36 00-1517		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	323.37	135.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.90*	
26 05 36 00-1518		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	426.96	190.76
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.24*	
26 05 36 00-1519		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	525.33	240.47
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.72*	
26 05 36 00-1520		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	644.03	295.35
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.38*	
26 05 36 00-1521		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	752.07	342.76
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.70*	
26 05 36 00-1522		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	842.85	382.04
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.76*	
26 05 36 00-1523			45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*		
26 05 36 00-1524		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	373.65	141.30
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	500.16	203.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.16*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	620.99	260.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.73*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	759.79	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.78*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	892.69	382.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.12*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,008.13	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.00*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	448.46	147.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.66*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	555.80	196.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.55*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	749.91	283.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.31*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	904.20	361.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.36*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,084.00	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.38*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,240.81	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.70*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	383.58	135.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.00*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	484.03	190.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.80*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	569.90	240.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.36*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	690.13	295.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.22*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	781.25	342.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.07*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	854.52	382.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.51*	

26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	458.44	141.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.23*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	582.86	203.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.53*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	698.24	260.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.37*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	829.83	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.28*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	940.12	382.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.35*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,054.17	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.91*	

26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	549.27	147.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.81*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	668.63	197.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.41*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	842.64	283.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.22*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,008.82	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.17*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,165.71	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.64*	
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,314.63	499.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*113.98*	

26 05 36 00-1558 12" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	615.24	260.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.92*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	738.17	324.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.62*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	871.29	382.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.91*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,037.02	464.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.05*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,132.51	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,326.97	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.59*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	753.80	282.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.96*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	931.00	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.49*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,087.89	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.97*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,398.62	541.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.47*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,524.10	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.16*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,788.94	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.81*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	959.85	309.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.35*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,172.82	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*108.18*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,373.74	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.64*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,677.14	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*153.11*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,837.78	651.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*167.11*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,132.94	812.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*184.46*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	731.96	260.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.43*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	853.17	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.78*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	918.03	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.55*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	984.22	382.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.97*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,093.08	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.75*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,218.11	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.29*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	912.03	282.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.70*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,063.29	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.34*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,162.44	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.63*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,230.56	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.37*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,391.90	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.36*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,568.20	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.77*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,202.89	309.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.88*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,377.73	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.92*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,525.49	464.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*151.50*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,612.38	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*158.44*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,892.43	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*185.41*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,041.82	649.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*198.06*	
26 05 36 00-1600		**12" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	759.79	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	873.88	382.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.30*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,050.81	464.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.29*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,214.45	541.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.85*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,429.67	649.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.24*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,586.62	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.46*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	999.52	361.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.66*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,165.71	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.64*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,398.62	541.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.47*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,721.06	651.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.60*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,892.69	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*163.37*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	2,081.06	812.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*176.68*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,325.85	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.14*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,547.53	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.71*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,863.72	651.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*171.00*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,126.14	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*198.39*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,353.42	812.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*217.54*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,610.03	927.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*236.85*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	307.74	108.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.10*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	333.85	122.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.66*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	370.09	141.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.99*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	416.21	162.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.34*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	450.97	180.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.59*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	333.97	122.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.67*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	367.99	141.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.63*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	410.81	162.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.55*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	413.18	162.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.93*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	448.38	180.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.20*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	450.97	180.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.59*	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	454.10	180.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.01*	

26 05 36 00-1635 Dropout Or End Plate *(26 05 36 00-1494)*

26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	94.20	40.64
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	115.59	49.59
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	133.37	58.79
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	150.01	65.03
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	167.01	72.21
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	185.41	81.29

26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections *(26 05 36 00-1486)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643		LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	30.87	8.54
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.20*	
26 05 36 00-1644		LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	38.46	10.03
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.11*	
26 05 36 00-1645		LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	49.15	13.01
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.19*	
26 05 36 00-1646		LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	58.40	14.36
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.38*	
26 05 36 00-1647		LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	71.65	18.57
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.66*	
26 05 36 00-1648		LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	85.10	20.32
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.37*	

26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1651		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	359.61	135.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.35*	
26 05 36 00-1652		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	434.98	170.71
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.79*	
26 05 36 00-1653		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	502.41	191.16
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.50*	
26 05 36 00-1654		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	585.18	224.49
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.35*	
26 05 36 00-1655		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	691.11	260.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.24*	
26 05 36 00-1656		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	781.21	295.75
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.88*	

26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1658		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	425.42	141.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.28*	
26 05 36 00-1659		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	526.88	180.87
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.90*	
26 05 36 00-1660		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	595.57	203.21
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.47*	
26 05 36 00-1661		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	718.74	240.74
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.68*	
26 05 36 00-1662		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	833.80	282.20
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.03*	
26 05 36 00-1663		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	959.60	325.14
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.75*	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1665		EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	527.73	147.54
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.58*	
26 05 36 00-1666		EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	657.55	191.57
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.71*	
26 05 36 00-1667		EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	762.83	217.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.24*	
26 05 36 00-1668		EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	863.33	259.85
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.19*	
26 05 36 00-1669		EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,002.91	309.84
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.81*	
26 05 36 00-1670		EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,170.67	360.37
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.55*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	330.36	135.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.94*	
26 05 36 00-1673		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	401.90	170.71
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.82*	
26 05 36 00-1674		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	461.67	191.03
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.42*	
26 05 36 00-1675		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	537.95	224.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.35*	
26 05 36 00-1676		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	634.60	260.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.77*	
26 05 36 00-1677		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	716.38	294.93
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.30*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	383.77	141.30
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.01*	
26 05 36 00-1680		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	476.99	180.60
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.44*	
26 05 36 00-1681		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	539.75	203.62
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	648.91	240.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.21*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	755.16	283.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.10*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	867.71	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.97*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	466.05	147.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.29*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	582.53	191.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.52*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	674.62	217.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.01*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	769.80	260.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.05*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	895.85	309.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.75*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,047.37	361.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.84*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	384.07	135.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.08*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	449.60	170.71
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.98*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	504.50	191.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.81*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	570.56	224.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.16*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	643.07	260.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.04*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	706.69	294.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.85*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	460.92	141.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.60*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	545.68	180.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.72*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	601.83	203.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.41*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	687.42	240.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.98*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	773.24	282.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.95*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	876.06	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.22*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	542.35	147.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.77*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	653.37	191.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.08*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	725.24	217.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.60*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	811.12	259.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.36*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	933.99	309.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.47*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,034.92	360.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.19*	
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	640.43	260.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.70*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	742.19	294.93
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.17*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	823.85	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.39*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	918.02	361.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.44*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,085.55	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.62*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,320.88	541.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	811.49	282.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.62*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	926.18	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.74*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,035.98	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.24*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,254.71	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.99*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,508.84	541.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.01*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,666.20	592.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*151.19*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,069.74	309.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*108.83*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,207.23	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.93*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,377.02	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.81*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,646.67	499.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*163.78*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,983.59	651.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*188.98*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,207.78	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*210.64*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	728.14	260.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.85*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	793.03	295.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.73*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	828.79	309.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.77*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	875.19	324.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.17*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	964.97	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.59*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,106.43	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.75*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	905.47	282.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.71*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,001.37	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.01*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,060.98	342.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.13*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,134.13	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.96*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,262.16	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.59*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,448.26	499.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.02*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,194.27	309.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.59*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,304.27	356.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.22*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,388.48	382.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.61*	
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,450.12	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.78*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,608.65	464.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*163.97*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,076.47	590.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.01*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	755.43	295.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.09*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	838.47	325.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.58*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	974.97	382.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,157.54	464.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.30*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,266.57	499.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.77*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,467.79	592.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.42*	

26 05 36 00-1762 24" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,002.24	325.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.06*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,134.13	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.96*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,300.66	433.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.88*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,605.23	543.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*150.22*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,760.18	592.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*165.28*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	2,009.37	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*180.87*	

26 05 36 00-1769 36" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,384.75	360.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.55*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,523.21	406.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*160.74*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,774.02	500.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*182.68*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,108.90	651.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*207.78*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,312.20	723.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*226.30*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,649.62	812.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*261.97*	

26 05 36 00-1776 Straight Reducers *(26 05 36 00-1649)*

26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	284.42	92.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.17*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	314.01	108.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.07*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	346.17	122.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.51*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	390.08	141.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.96*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	433.42	162.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.96*	

26 05 36 00-1782 Reducers *(26 05 36 00-1649)*

26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	312.02	108.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.76*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	344.46	122.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.22*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	385.74	141.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.32*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	387.67	141.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.63*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	433.42	162.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.96*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	435.51	162.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.27*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	440.11	162.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.92*	

26 05 36 00-1790 Dropout Or End Plate *(26 05 36 00-1649)*

26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	94.16	40.64
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	112.51	49.59
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	133.80	58.79
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	147.75	65.03
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	166.27	72.21
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	188.74	81.29

26 05 36 00-1797 Vented Bottom Cable Tray *(26 05 36 00-0001)*

Note: 6" Height.

26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray *(26 05 36 00-1797)*

26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	44.81	14.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800		LF	12" Vented Bottom Steel Cable Tray, Straight Section	52.74	16.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.92*	
26 05 36 00-1801		LF	18" Vented Bottom Steel Cable Tray, Straight Section	62.09	18.70
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.65*	
26 05 36 00-1802		LF	24" Vented Bottom Steel Cable Tray, Straight Section	71.27	21.40
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.34*	
26 05 36 00-1803		LF	30" Vented Bottom Steel Cable Tray, Straight Section	94.12	25.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.25*	
26 05 36 00-1804		LF	36" Vented Bottom Steel Cable Tray, Straight Section	111.27	32.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-8.41*	

26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1807		EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	415.06	171.25
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.24*	
26 05 36 00-1808		EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	540.16	231.67
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.71*	
26 05 36 00-1809		EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	669.29	295.35
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.31*	
26 05 36 00-1810		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	820.88	361.59
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.96*	
26 05 36 00-1811		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	926.05	407.25
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.67*	
26 05 36 00-1812		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	1,061.15	464.96
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.36*	

26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1814		EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	492.34	180.46
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.19*	
26 05 36 00-1815		EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	637.75	250.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.92*	
26 05 36 00-1816		EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	808.62	325.14
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.77*	
26 05 36 00-1817		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	978.04	406.44
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.93*	
26 05 36 00-1818		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,046.51	419.85
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.66*	
26 05 36 00-1819		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,305.68	541.91
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.41*	

26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1821		EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	604.13	190.76
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.51*	
26 05 36 00-1822		EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	779.51	271.36
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.34*	
26 05 36 00-1823		EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	995.45	361.59
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.41*	
26 05 36 00-1824		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,187.88	464.01
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.12*	
26 05 36 00-1825		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,368.72	541.91
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.71*	
26 05 36 00-1826		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,600.96	649.21
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.99*	

26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1828		EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	386.76	171.38
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.40*	
26 05 36 00-1829		EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	506.29	231.67
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.32*	
26 05 36 00-1830		EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	629.64	294.93
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.39*	
26 05 36 00-1831		EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	771.79	360.91
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.10*	
26 05 36 00-1832		EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	871.64	407.25
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.23*	
26 05 36 00-1833		EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	996.43	464.01
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.98*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835		EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	450.47	180.60
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.99*	
26 05 36 00-1836		EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	589.21	250.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.07*	
26 05 36 00-1837		EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	750.81	325.69
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.94*	
26 05 36 00-1838		EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	911.90	406.44
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,045.48	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.80*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,217.13	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.55*	
26 05 36 00-1841		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	541.79	191.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.25*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	706.30	270.55
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.08*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	909.04	361.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.77*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,098.44	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.09*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,266.30	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.47*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,490.28	651.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.75*	
26 05 36 00-1848		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	451.91	170.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.96*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	572.90	231.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.98*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	681.41	295.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.53*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	818.45	361.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.71*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	899.38	407.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.00*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	1,006.03	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.94*	
26 05 36 00-1855		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	540.83	180.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.04*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	671.70	250.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.31*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	823.17	325.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.22*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	968.35	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.97*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,100.59	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.40*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,245.06	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.35*	
26 05 36 00-1862		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	642.92	190.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.39*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	796.49	271.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.04*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	985.75	361.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.44*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,183.03	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.64*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,322.65	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.11*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,547.62	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.66*	
26 05 36 00-1869		**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	738.30	325.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.73*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	894.26	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.62*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,022.35	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.48*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,189.30	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.77*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,311.90	590.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.96*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,440.93	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.99*	
26 05 36 00-1876		**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	926.48	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.57*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,127.27	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.06*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,298.40	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.68*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,596.11	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.51*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,762.98	723.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.03*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,970.63	812.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.32*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,142.92	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.42*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,434.18	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.26*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,665.05	651.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-112.23*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,053.07	812.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-137.57*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,293.15	932.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-151.63*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,674.42	1,080.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-177.36*	

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	869.23	325.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.83*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,009.56	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.09*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,061.61	433.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.05*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,132.11	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.55*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,214.89	500.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.78*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,372.52	590.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.02*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,040.44	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.97*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,233.95	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.73*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,316.72	500.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.96*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,422.06	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.05*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,530.12	590.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.78*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,796.93	723.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.43*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,374.33	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.63*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,618.45	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.69*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,724.09	590.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.18*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,873.56	651.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.08*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,114.55	723.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-151.19*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,467.91	927.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-169.46*	

26 05 36 00-1911 12" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	929.55	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.09*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,029.63	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.21*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,186.87	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.53*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,380.32	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,535.64	720.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.51*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,730.60	812.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.32*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,170.25	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.27*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,317.80	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.62*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,537.92	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.69*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,934.27	812.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.69*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,186.65	927.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.34*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,480.46	1,080.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-157.97*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,569.96	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.84*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,786.28	651.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-124.35*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,070.04	812.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-139.27*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,671.94	1,086.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-176.63*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,116.72	1,302.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-203.12*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,727.90	1,625.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-237.31*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	353.15	138.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.78*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	385.04	154.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.62*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	436.31	180.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.60*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	479.32	203.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.00*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	523.34	223.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.68*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	385.04	154.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.62*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	434.41	180.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.39*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	476.55	202.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.74*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	478.65	202.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.96*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	520.91	223.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.44*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	523.34	223.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.68*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	526.59	224.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.97*	
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	112.54	49.99
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	133.45	58.66
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	147.09	64.76
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	165.43	72.21
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	183.56	81.15
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	215.09	97.00
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	42.43	10.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.36*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	47.10	11.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.74*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	52.69	13.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	61.42	14.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.93*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	70.55	16.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.72*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	89.75	18.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.43*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	99.79	21.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-8.17*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	486.37	171.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.37*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	528.39	185.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.35*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	581.89	209.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.75*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	657.59	231.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.43*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	786.37	283.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.05*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	930.27	325.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.89*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,025.11	361.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.38*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	592.14	180.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.17*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	714.71	224.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.78*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	810.43	250.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.19*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	964.19	309.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.64*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,113.29	360.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.30*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,230.95	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.23*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	728.82	190.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.98*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	870.84	241.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.00*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	985.35	271.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.93*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,152.88	342.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.78*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,237.18	331.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.09*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,516.20	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-112.96*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	442.38	171.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.96*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	480.60	186.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.55*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	530.61	209.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.62*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	597.54	231.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.44*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	716.50	282.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.10*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	845.02	325.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.36*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	931.09	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.03*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	528.31	180.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.78*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	639.72	224.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.28*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	724.42	250.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	866.26	309.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.81*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,002.62	361.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.13*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,109.16	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.05*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	639.05	191.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.97*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	766.69	240.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.63*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	868.06	271.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.20*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,025.65	342.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.01*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,171.88	382.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.30*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,354.53	464.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.70*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	529.34	170.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.70*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	568.33	185.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.38*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	611.02	209.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.66*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	657.59	231.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.43*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	771.81	283.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.60*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	857.43	325.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.60*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	919.15	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.84*	
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	630.01	180.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.96*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	732.20	224.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.53*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	807.51	250.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.90*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	912.53	309.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.44*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,018.20	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.74*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,114.41	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.57*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	725.90	190.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.69*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	838.79	241.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.79*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	941.65	271.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.56*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,100.44	342.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.53*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,220.53	382.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.16*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,373.44	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.68*	
26 05 36 00-2028		**12" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	847.82	325.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.69*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	884.84	342.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.97*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	941.39	360.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.11*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,074.97	407.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.56*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,227.77	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.11*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,389.74	541.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,538.14	590.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.59*	
26 05 36 00-2036		**24" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,067.73	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.69*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,206.29	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.83*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,355.96	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.93*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,629.14	540.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.88*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,872.19	651.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.94*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,123.06	723.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-152.04*	
26 05 36 00-2043		**36" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,426.15	406.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.75*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,632.74	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-124.61*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,730.34	452.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-135.32*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,218.34	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-167.73*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,569.30	816.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-188.92*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,945.01	927.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-217.17*	
26 05 36 00-2050		**12" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	961.45	325.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.05*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	992.64	342.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.75*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,056.08	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.53*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,095.25	382.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.63*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,145.11	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.71*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,211.62	433.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.05*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,342.03	499.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.59*	
26 05 36 00-2058		**24" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,195.93	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.51*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,317.00	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.90*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,406.82	433.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.57*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,501.63	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.50*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,618.80	499.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.27*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,788.65	592.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.49*	
26 05 36 00-2065		**36" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,593.78	405.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.58*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,749.28	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-136.26*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,837.31	499.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-142.12*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,983.58	543.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-153.08*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,152.83	592.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.91*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,424.69	720.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-182.42*	
26 05 36 00-2072		**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	983.24	360.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.25*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,045.72	382.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.68*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,098.28	407.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.89*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,213.20	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.66*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,390.24	540.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.99*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,576.07	589.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.52*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,922.03	723.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-131.94*	

26 05 36 00-2080 24" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,363.40	407.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.40*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,522.03	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.54*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,707.81	540.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.74*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,014.40	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-147.34*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,206.18	720.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-160.57*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,682.80	927.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-190.95*	

26 05 36 00-2087 36" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,894.95	464.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-150.83*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,100.12	543.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-164.73*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,378.58	649.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-183.75*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,860.64	816.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-218.05*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,185.18	932.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-240.84*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,695.31	1,080.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-279.45*	

26 05 36 00-2094 Straight Reducers *(26 05 36 00-1961)*

26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	367.20	108.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.68*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	385.47	114.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.03*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	435.42	135.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.26*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	481.90	154.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.31*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	531.22	180.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.07*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	576.92	202.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.79*	

26 05 36 00-2101 Reducers *(26 05 36 00-1961)*

26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	385.15	113.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.02*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	435.27	135.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.25*	
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	435.27	135.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.25*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	482.09	154.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.32*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	482.09	154.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.32*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	482.50	154.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.34*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	536.78	180.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.64*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	530.69	180.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.04*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	576.92	202.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.79*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	576.92	202.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	577.59	203.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.82*	
26 05 36 00-2113		**Dropout Or End Plate** *(26 05 36 00-1961)*		
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	121.49	49.99
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	132.56	54.60
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	142.85	58.66
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	162.27	64.76
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	186.00	72.21
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	205.23	81.15
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	234.99	92.94
26 05 36 00-2121		**Cable Tray Covers And Dividers** *(26 05 36 00-0001)*		
26 05 36 00-2122		**Galvanized Steel Covers** *(26 05 36 00-2121)*		
26 05 36 00-2123		**Ventilated Straight Sections** *(26 05 36 00-2122)*		
26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.77	2.44
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	14.20	2.85
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	16.68	3.25
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	22.62	4.33
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	28.68	5.83
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	34.81	7.18
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	161.81	81.42
26 05 36 00-2131		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	71.48	8.67
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	79.97	10.16
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	86.69	12.06
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	117.87	15.45
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	144.35	19.65
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	174.45	21.81
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	210.71	26.01
26 05 36 00-2139		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	110.54	9.62
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	115.68	11.24
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	130.54	13.55
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	161.93	17.20
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	198.63	21.67
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	255.02	24.92
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	296.63	29.54
26 05 36 00-2147		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	156.17	10.84
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	173.61	12.47
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	188.23	15.45
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	238.63	18.02
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	288.99	25.06
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	340.53	28.31
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	398.40	32.52
26 05 36 00-2155		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	55.00	8.67
		For 60 Degree Bend, Deduct	*-14.81*	
		For 30 Degree Bend, Deduct	*-25.17*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	65.42	10.16
		For 60 Degree Bend, Deduct	*-17.69*	
		For 30 Degree Bend, Deduct	*-30.06*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	73.35	12.06
		For 60 Degree Bend, Deduct	*-19.60*	
		For 30 Degree Bend, Deduct	*-33.34*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	88.85	14.76
		For 60 Degree Bend, Deduct	*-23.66*	
		For 30 Degree Bend, Deduct	*-40.26*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	103.72	17.07
		For 60 Degree Bend, Deduct	*-27.66*	
		For 30 Degree Bend, Deduct	*-47.05*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	121.35	19.65
		For 60 Degree Bend, Deduct	*-32.49*	
		For 30 Degree Bend, Deduct	*-55.25*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	135.55	21.67
		For 60 Degree Bend, Deduct	*-36.42*	
		For 30 Degree Bend, Deduct	*-61.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	75.39	9.62
		For 60 Degree Bend, Deduct	*-21.20*	
		For 30 Degree Bend, Deduct	*-35.87*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	85.38	11.24
		For 60 Degree Bend, Deduct	*-23.87*	
		For 30 Degree Bend, Deduct	*-40.41*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	97.80	13.55
		For 60 Degree Bend, Deduct	*-27.07*	
		For 30 Degree Bend, Deduct	*-45.87*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	113.21	16.26
		For 60 Degree Bend, Deduct	*-31.12*	
		For 30 Degree Bend, Deduct	*-52.77*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	130.43	18.57
		For 60 Degree Bend, Deduct	*-35.91*	
		For 30 Degree Bend, Deduct	*-60.88*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	162.30	21.67
		For 60 Degree Bend, Deduct	*-45.23*	
		For 30 Degree Bend, Deduct	*-76.59*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	179.92	25.06
		For 60 Degree Bend, Deduct	*-49.78*	
		For 30 Degree Bend, Deduct	*-84.35*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	104.08	10.84
		For 60 Degree Bend, Deduct	*-30.20*	
		For 30 Degree Bend, Deduct	*-50.94*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	117.84	12.47
		For 60 Degree Bend, Deduct	*-34.09*	
		For 30 Degree Bend, Deduct	*-57.51*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	132.39	15.45
		For 60 Degree Bend, Deduct	*-37.78*	
		For 30 Degree Bend, Deduct	*-63.82*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	151.05	17.20
		For 60 Degree Bend, Deduct	*-43.27*	
		For 30 Degree Bend, Deduct	*-73.06*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	184.10	21.00
		For 60 Degree Bend, Deduct	*-52.71*	
		For 30 Degree Bend, Deduct	*-89.01*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	204.17	25.06
		For 60 Degree Bend, Deduct	*-57.78*	
		For 30 Degree Bend, Deduct	*-97.69*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	241.58	27.10
		For 60 Degree Bend, Deduct	*-69.33*	
		For 30 Degree Bend, Deduct	*-117.05*	
26 05 36 00-2179		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	61.98	8.67
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	65.42	10.16
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	72.14	12.06
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	84.04	14.76
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	92.48	19.11
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	102.93	21.81
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	129.38	26.01
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	74.17	9.62
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	82.95	11.24
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	89.32	13.55
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	115.60	16.26
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	134.36	21.00
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	154.43	25.06
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	177.83	29.54
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	85.86	10.84
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	106.93	12.47
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	122.76	15.45
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	151.05	17.20
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	175.83	23.98
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	209.60	28.31
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	245.65	32.52
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	109.64	14.09
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	115.60	16.26
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	131.18	19.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	157.45	21.67
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	194.47	25.06
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	239.53	36.04
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	287.88	43.22
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	160.41	14.76
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	183.78	17.20
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	193.86	20.32
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	244.83	23.30
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	360.24	27.10
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	426.63	40.64
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	478.53	49.99
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	270.63	15.45
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	279.82	18.02
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	312.58	21.67
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	366.69	25.06
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	476.05	29.54
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	540.71	46.61
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	624.37	58.93
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	160.34	19.11
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	169.65	20.32
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	187.76	21.67
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	221.14	25.06
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	278.27	36.04
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	321.75	43.22
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	368.32	46.47
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	278.80	20.32
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	302.89	21.67
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	324.85	23.30
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	386.91	27.10
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	484.78	40.64
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	553.60	49.99
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	618.70	54.06
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	445.93	21.67
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	463.05	23.30
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	487.92	25.06
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	563.34	29.54
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	732.21	46.47
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	801.80	59.21
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	860.01	65.03
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	71.49	10.16
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	77.03	12.06
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	77.03	12.06
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	85.25	14.76
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	85.25	14.76
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	104.69	16.26
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	111.96	16.26
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	108.58	18.57
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	115.85	18.57
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	120.70	18.57
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	125.94	20.32
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	128.36	20.32
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	130.78	20.32
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	132.00	20.32
26 05 36 00-2266		**Aluminum Covers** *(26 05 36 00-2121)*		
26 05 36 00-2267		**Ventilated Straight Sections** *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.83	2.44
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	15.30	2.85
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	17.97	3.25
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	23.92	4.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	30.75	5.83
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	35.00	7.18
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	160.15	81.42
26 05 36 00-2275		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	71.38	8.67
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	76.29	10.16
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	84.31	12.06
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	109.82	15.45
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	139.17	19.65
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	163.62	21.81
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	199.22	26.01
26 05 36 00-2283		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	93.89	9.62
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	115.16	11.24
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	128.99	13.55
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	154.72	17.20
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	191.99	21.67
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	232.09	24.92
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	284.28	29.54
26 05 36 00-2291		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	151.53	10.84
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	166.78	12.47
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	191.49	15.45
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	227.97	18.02
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	281.58	25.06
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	324.15	28.31
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	378.10	32.52
26 05 36 00-2299		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	56.56	8.67
		For 60 Degree Bend, Deduct	*-15.33*	
		For 30 Degree Bend, Deduct	*-26.03*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	60.21	10.16
		For 60 Degree Bend, Deduct	*-15.98*	
		For 30 Degree Bend, Deduct	*-27.19*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	68.49	12.06
		For 60 Degree Bend, Deduct	*-18.00*	
		For 30 Degree Bend, Deduct	*-30.67*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	80.25	14.76
		For 60 Degree Bend, Deduct	*-20.82*	
		For 30 Degree Bend, Deduct	*-35.53*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	90.39	17.07
		For 60 Degree Bend, Deduct	*-23.26*	
		For 30 Degree Bend, Deduct	*-39.72*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	110.76	19.65
		For 60 Degree Bend, Deduct	*-29.00*	
		For 30 Degree Bend, Deduct	*-49.42*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	130.12	21.67
		For 60 Degree Bend, Deduct	*-34.63*	
		For 30 Degree Bend, Deduct	*-58.92*	
26 05 36 00-2307		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	64.84	9.62
		For 60 Degree Bend, Deduct	*-17.72*	
		For 30 Degree Bend, Deduct	*-30.07*	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	80.53	11.24
		For 60 Degree Bend, Deduct	*-22.27*	
		For 30 Degree Bend, Deduct	*-37.75*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	86.94	13.55
		For 60 Degree Bend, Deduct	*-23.48*	
		For 30 Degree Bend, Deduct	*-39.89*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	105.05	16.26
		For 60 Degree Bend, Deduct	*-28.42*	
		For 30 Degree Bend, Deduct	*-48.28*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	127.48	18.57
		For 60 Degree Bend, Deduct	*-34.93*	
		For 30 Degree Bend, Deduct	*-59.26*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	147.52	21.67
		For 60 Degree Bend, Deduct	*-40.35*	
		For 30 Degree Bend, Deduct	*-68.46*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	170.33	25.06
		For 60 Degree Bend, Deduct	*-46.61*	
		For 30 Degree Bend, Deduct	*-79.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	102.10	10.84
		For 60 Degree Bend, Deduct	*-29.55*	
		For 30 Degree Bend, Deduct	*-49.85*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	112.37	12.47
		For 60 Degree Bend, Deduct	*-32.28*	
		For 30 Degree Bend, Deduct	*-54.50*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	122.17	15.45
		For 60 Degree Bend, Deduct	*-34.40*	
		For 30 Degree Bend, Deduct	*-58.20*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	144.85	17.20
		For 60 Degree Bend, Deduct	*-41.22*	
		For 30 Degree Bend, Deduct	*-69.65*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	175.97	21.00
		For 60 Degree Bend, Deduct	*-50.02*	
		For 30 Degree Bend, Deduct	*-84.54*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	202.48	25.06
		For 60 Degree Bend, Deduct	*-57.22*	
		For 30 Degree Bend, Deduct	*-96.76*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	228.21	27.10
		For 60 Degree Bend, Deduct	*-64.92*	
		For 30 Degree Bend, Deduct	*-109.70*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	62.94	8.67
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	65.78	10.16
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	73.18	12.06
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	86.47	14.76
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	96.16	19.11
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	101.79	21.81
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	122.45	26.01
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	71.63	9.62
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	79.29	11.24
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	88.18	13.55
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	106.24	16.26
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	121.51	21.00
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	152.98	25.06
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	170.51	29.54
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	82.27	10.84
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	100.00	12.47
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	117.29	15.45
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	139.91	17.20
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	171.13	23.98
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	212.86	28.31
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	232.17	32.52
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	102.71	14.09
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	111.19	16.26
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	125.75	19.11
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	147.52	21.67
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	182.70	25.06
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	225.82	36.04
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	272.42	43.22
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	153.24	14.76
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	172.05	17.20
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	194.59	20.32
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	226.71	23.30
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	344.30	27.10
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	399.20	40.64
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	451.83	49.99
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	260.70	15.45
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	269.98	18.02
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	300.81	21.67
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	341.05	25.06
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	430.20	29.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	505.48	46.61
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	580.51	58.93
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	153.02	19.11
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	162.48	20.32
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	179.67	21.67
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	214.85	25.06
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	260.38	36.04
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	309.44	43.22
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	351.89	46.47
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	271.34	20.32
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	290.92	21.67
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	313.27	23.30
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	364.09	27.10
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	448.62	40.64
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	528.40	49.99
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	572.41	54.06
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	417.05	21.67
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	436.93	23.30
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	469.66	25.06
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	519.24	29.54
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	658.77	46.47
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	766.44	59.21
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	837.99	65.03
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	77.53	10.16
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	83.12	12.06
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	83.12	12.06
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	93.87	14.76
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	93.87	14.76
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	103.77	16.26
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	113.61	16.26
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	120.03	18.57
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	123.71	18.57
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	126.24	18.57
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	132.73	20.32
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	135.20	20.32
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	136.44	20.32
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	137.68	20.32
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	12.09	3.25
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	14.22	3.52
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	17.57	4.06
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	71.47	23.30
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	81.20	24.11
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	85.36	25.06
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	97.90	26.01
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	93.05	26.01
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	100.88	27.10
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	117.46	28.31
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	145.09	29.54
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	116.00	29.54
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	129.20	31.02
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	145.11	32.52
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	183.12	34.27
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	81.80	24.11
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	90.21	25.06
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	97.90	26.01
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	111.79	27.10
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	111.79	27.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	130.80	28.31
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	143.88	29.54
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	177.69	31.02
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	124.74	28.31
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	137.82	29.54
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	163.14	31.02
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	205.73	32.52
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	90.57	27.10
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	98.07	28.31
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	107.51	29.54
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	124.35	31.02
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	113.83	28.31
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	132.97	29.54
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	147.38	31.02
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	180.27	32.52
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	126.91	29.54
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	147.38	31.02
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	180.27	32.52
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	219.49	34.27
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	79.46	19.65
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	88.31	21.67
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	106.78	24.11
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.95	3.12
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	14.10	3.39
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	17.38	3.79
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	64.49	22.49
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	70.69	23.30
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	77.49	24.11
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	89.05	25.06
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	86.69	25.06
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	95.42	26.01
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	110.19	27.10
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	135.90	28.31
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	115.78	28.31
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	138.07	29.54
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	166.39	31.02
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	204.47	32.52
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	76.96	23.30
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	84.47	24.11
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	92.60	25.06
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	103.70	26.01
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	102.52	26.01
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	118.48	27.10
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	133.53	28.31
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	167.65	29.54
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	137.41	27.10
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	165.48	28.31
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	193.69	29.54
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	233.84	31.02
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	85.24	26.01
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	94.81	27.10
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	99.22	28.31
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	110.85	29.54
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	106.64	27.10
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	131.17	28.31
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	141.62	29.54
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	177.04	31.02
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	140.63	28.31
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	174.75	29.54
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	199.53	31.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	231.69	32.52
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	74.09	18.57
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	81.20	20.32
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	100.11	22.49
26 05 36 00-2506		**Cable Tray Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	97.93	27.10
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	101.47	28.31
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	111.19	29.54
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	118.01	31.02
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	128.13	32.52
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	152.10	34.27
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	181.68	36.58
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)* Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.83	3.66
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.41*	
		For 4" Rung Spacing, Add	*2.59*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.64*	
		For Vented Trough Bottom, Add	*4.44*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.49	4.47
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.93*	
		For Vented Trough Bottom, Add	*4.73*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	18.12	5.42
		For 9" Rung Spacing, Add	*0.35*	
		For 6" Rung Spacing, Add	*1.50*	
		For 4" Rung Spacing, Add	*2.75*	
		For 18" Rung Spacing, Deduct	*-0.25*	
		For Solid Bottom, Add	*4.22*	
		For Vented Trough Bottom, Add	*5.01*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	21.58	7.18
		For 9" Rung Spacing, Add	*0.38*	
		For 6" Rung Spacing, Add	*1.61*	
		For 4" Rung Spacing, Add	*2.95*	
		For 18" Rung Spacing, Deduct	*-0.27*	
		For Solid Bottom, Add	*4.85*	
		For Vented Trough Bottom, Add	*5.65*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	25.02	9.08
		For 9" Rung Spacing, Add	*0.40*	
		For 6" Rung Spacing, Add	*1.72*	
		For 4" Rung Spacing, Add	*3.15*	
		For 18" Rung Spacing, Deduct	*-0.29*	
		For Solid Bottom, Add	*5.47*	
		For Vented Trough Bottom, Add	*6.28*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	27.34	9.89
		For 9" Rung Spacing, Add	*0.44*	
		For 6" Rung Spacing, Add	*1.87*	
		For 4" Rung Spacing, Add	*3.42*	
		For 18" Rung Spacing, Deduct	*-0.31*	
		For Solid Bottom, Add	*5.97*	
		For Vented Trough Bottom, Add	*6.84*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	29.72	10.84
		For 9" Rung Spacing, Add	*0.47*	
		For 6" Rung Spacing, Add	*2.02*	
		For 4" Rung Spacing, Add	*3.70*	
		For 18" Rung Spacing, Deduct	*-0.34*	
		For Solid Bottom, Add	*6.48*	
		For Vented Trough Bottom, Add	*7.42*	
26 05 36 00-2525		**90 Degree Horizontal Elbows** *(26 05 36 00-2516)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526		EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	78.72	27.10
			For 9" Rung Spacing, Add	*1.33*	
			For 6" Rung Spacing, Add	*5.71*	
			For 4" Rung Spacing, Add	*10.47*	
			For 18" Rung Spacing, Deduct	*-0.95*	
			For Solid Bottom, Add	*17.52*	
			For Vented Trough Bottom, Add	*20.31*	
			For 60 Degree Bend, Deduct	*-16.63*	
			For 45 Degree Bend, Deduct	*-22.85*	
			For 30 Degree Bend, Deduct	*-29.07*	
26 05 36 00-2527		EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	87.68	31.56
			For 9" Rung Spacing, Add	*1.41*	
			For 6" Rung Spacing, Add	*6.04*	
			For 4" Rung Spacing, Add	*11.07*	
			For 18" Rung Spacing, Deduct	*-1.01*	
			For Solid Bottom, Add	*19.19*	
			For Vented Trough Bottom, Add	*22.03*	
			For 60 Degree Bend, Deduct	*-18.03*	
			For 45 Degree Bend, Deduct	*-24.83*	
			For 30 Degree Bend, Deduct	*-31.63*	
26 05 36 00-2528		EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	102.05	39.70
			For 9" Rung Spacing, Add	*1.49*	
			For 6" Rung Spacing, Add	*6.37*	
			For 4" Rung Spacing, Add	*11.67*	
			For 18" Rung Spacing, Deduct	*-1.06*	
			For Solid Bottom, Add	*21.67*	
			For Vented Trough Bottom, Add	*24.43*	
			For 60 Degree Bend, Deduct	*-19.97*	
			For 45 Degree Bend, Deduct	*-27.62*	
			For 30 Degree Bend, Deduct	*-35.26*	
26 05 36 00-2529		EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	120.55	47.96
			For 9" Rung Spacing, Add	*1.71*	
			For 6" Rung Spacing, Add	*7.31*	
			For 4" Rung Spacing, Add	*13.41*	
			For 18" Rung Spacing, Deduct	*-1.22*	
			For Solid Bottom, Add	*25.40*	
			For Vented Trough Bottom, Add	*28.48*	
			For 60 Degree Bend, Deduct	*-23.27*	
			For 45 Degree Bend, Deduct	*-32.22*	
			For 30 Degree Bend, Deduct	*-41.17*	
26 05 36 00-2530		EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	136.25	55.14
			For 9" Rung Spacing, Add	*1.88*	
			For 6" Rung Spacing, Add	*8.04*	
			For 4" Rung Spacing, Add	*14.74*	
			For 18" Rung Spacing, Deduct	*-1.34*	
			For Solid Bottom, Add	*28.48*	
			For Vented Trough Bottom, Add	*31.77*	
			For 60 Degree Bend, Deduct	*-25.95*	
			For 45 Degree Bend, Deduct	*-35.98*	
			For 30 Degree Bend, Deduct	*-46.01*	
26 05 36 00-2531		EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	149.66	58.79
			For 9" Rung Spacing, Add	*2.16*	
			For 6" Rung Spacing, Add	*9.24*	
			For 4" Rung Spacing, Add	*16.94*	
			For 18" Rung Spacing, Deduct	*-1.54*	
			For Solid Bottom, Add	*31.69*	
			For Vented Trough Bottom, Add	*35.65*	
			For 60 Degree Bend, Deduct	*-29.13*	
			For 45 Degree Bend, Deduct	*-40.31*	
			For 30 Degree Bend, Deduct	*-51.49*	
26 05 36 00-2532		EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	165.58	63.27
			For 9" Rung Spacing, Add	*2.48*	
			For 6" Rung Spacing, Add	*10.61*	
			For 4" Rung Spacing, Add	*19.46*	
			For 18" Rung Spacing, Deduct	*-1.77*	
			For Solid Bottom, Add	*35.45*	
			For Vented Trough Bottom, Add	*40.15*	
			For 60 Degree Bend, Deduct	*-32.83*	
			For 45 Degree Bend, Deduct	*-45.35*	
			For 30 Degree Bend, Deduct	*-57.88*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534		EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	118.49	27.10
			For 9" Rung Spacing, Add	*2.72*	
			For 6" Rung Spacing, Add	*11.68*	
			For 4" Rung Spacing, Add	*21.41*	
			For 18" Rung Spacing, Deduct	*-1.95*	
			For Solid Bottom, Add	*29.45*	
			For Vented Trough Bottom, Add	*36.22*	
			For 60 Degree Bend, Deduct	*-29.75*	
			For 45 Degree Bend, Deduct	*-40.35*	
			For 30 Degree Bend, Deduct	*-50.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	126.37	31.56
		For 9" Rung Spacing, Add	*2.76*	
		For 6" Rung Spacing, Add	*11.84*	
		For 4" Rung Spacing, Add	*21.71*	
		For 18" Rung Spacing, Deduct	*-1.97*	
		For Solid Bottom, Add	*30.80*	
		For Vented Trough Bottom, Add	*37.51*	
		For 60 Degree Bend, Deduct	*-30.80*	
		For 45 Degree Bend, Deduct	*-41.85*	
		For 30 Degree Bend, Deduct	*-52.91*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	139.64	39.70
		For 9" Rung Spacing, Add	*2.80*	
		For 6" Rung Spacing, Add	*12.00*	
		For 4" Rung Spacing, Add	*22.01*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*32.95*	
		For Vented Trough Bottom, Add	*39.46*	
		For 60 Degree Bend, Deduct	*-32.37*	
		For 45 Degree Bend, Deduct	*-44.15*	
		For 30 Degree Bend, Deduct	*-55.94*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	154.26	47.96
		For 9" Rung Spacing, Add	*2.89*	
		For 6" Rung Spacing, Add	*12.37*	
		For 4" Rung Spacing, Add	*22.68*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For Solid Bottom, Add	*35.51*	
		For Vented Trough Bottom, Add	*41.96*	
		For 60 Degree Bend, Deduct	*-34.39*	
		For 45 Degree Bend, Deduct	*-47.05*	
		For 30 Degree Bend, Deduct	*-59.71*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	167.29	55.14
		For 9" Rung Spacing, Add	*2.96*	
		For 6" Rung Spacing, Add	*12.70*	
		For 4" Rung Spacing, Add	*23.28*	
		For 18" Rung Spacing, Deduct	*-2.12*	
		For Solid Bottom, Add	*37.79*	
		For Vented Trough Bottom, Add	*44.19*	
		For 60 Degree Bend, Deduct	*-36.20*	
		For 45 Degree Bend, Deduct	*-49.64*	
		For 30 Degree Bend, Deduct	*-63.08*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	174.88	58.79
		For 9" Rung Spacing, Add	*3.04*	
		For 6" Rung Spacing, Add	*13.02*	
		For 4" Rung Spacing, Add	*23.88*	
		For 18" Rung Spacing, Deduct	*-2.17*	
		For Solid Bottom, Add	*39.26*	
		For Vented Trough Bottom, Add	*45.74*	
		For 60 Degree Bend, Deduct	*-37.46*	
		For 45 Degree Bend, Deduct	*-51.41*	
		For 30 Degree Bend, Deduct	*-65.36*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	190.75	63.27
		For 9" Rung Spacing, Add	*3.36*	
		For 6" Rung Spacing, Add	*14.39*	
		For 4" Rung Spacing, Add	*26.38*	
		For 18" Rung Spacing, Deduct	*-2.40*	
		For Solid Bottom, Add	*43.00*	
		For Vented Trough Bottom, Add	*50.22*	
		For 60 Degree Bend, Deduct	*-41.14*	
		For 45 Degree Bend, Deduct	*-56.43*	
		For 30 Degree Bend, Deduct	*-71.72*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	168.79	67.74
		For 9" Rung Spacing, Add	*2.35*	
		For 6" Rung Spacing, Add	*10.08*	
		For 4" Rung Spacing, Add	*18.47*	
		For 18" Rung Spacing, Deduct	*-1.68*	
		For Solid Bottom, Add	*35.40*	
		For Vented Trough Bottom, Add	*39.57*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	189.06	79.53
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.48*	
		For 4" Rung Spacing, Add	*19.21*	
		For 18" Rung Spacing, Deduct	*-1.75*	
		For Solid Bottom, Add	*38.84*	
		For Vented Trough Bottom, Add	*42.84*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	214.77	94.83
		For 9" Rung Spacing, Add	*2.54*	
		For 6" Rung Spacing, Add	*10.88*	
		For 4" Rung Spacing, Add	*19.94*	
		For 18" Rung Spacing, Deduct	*-1.81*	
		For Solid Bottom, Add	*43.09*	
		For Vented Trough Bottom, Add	*46.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	239.65	106.62
		For 9" Rung Spacing, Add	*2.79*	
		For 6" Rung Spacing, Add	*11.97*	
		For 4" Rung Spacing, Add	*21.94*	
		For 18" Rung Spacing, Deduct	*-1.99*	
		For Solid Bottom, Add	*47.92*	
		For Vented Trough Bottom, Add	*51.90*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	252.24	111.09
		For 9" Rung Spacing, Add	*3.00*	
		For 6" Rung Spacing, Add	*12.84*	
		For 4" Rung Spacing, Add	*23.54*	
		For 18" Rung Spacing, Deduct	*-2.14*	
		For Solid Bottom, Add	*50.68*	
		For Vented Trough Bottom, Add	*55.07*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	270.71	117.46
		For 9" Rung Spacing, Add	*3.31*	
		For 6" Rung Spacing, Add	*14.19*	
		For 4" Rung Spacing, Add	*26.01*	
		For 18" Rung Spacing, Deduct	*-2.36*	
		For Solid Bottom, Add	*54.80*	
		For Vented Trough Bottom, Add	*59.85*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	294.16	126.54
		For 9" Rung Spacing, Add	*3.66*	
		For 6" Rung Spacing, Add	*15.67*	
		For 4" Rung Spacing, Add	*28.73*	
		For 18" Rung Spacing, Deduct	*-2.61*	
		For Solid Bottom, Add	*59.80*	
		For Vented Trough Bottom, Add	*65.50*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	262.22	117.46
		For 9" Rung Spacing, Add	*3.01*	
		For 6" Rung Spacing, Add	*12.92*	
		For 4" Rung Spacing, Add	*23.68*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For Solid Bottom, Add	*52.25*	
		For Vented Trough Bottom, Add	*56.46*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	278.31	126.54
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For Solid Bottom, Add	*55.04*	
		For Vented Trough Bottom, Add	*59.17*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	294.41	135.61
		For 9" Rung Spacing, Add	*3.19*	
		For 6" Rung Spacing, Add	*13.68*	
		For 4" Rung Spacing, Add	*25.08*	
		For 18" Rung Spacing, Deduct	*-2.28*	
		For Solid Bottom, Add	*57.84*	
		For Vented Trough Bottom, Add	*61.88*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	315.23	144.56
		For 9" Rung Spacing, Add	*3.45*	
		For 6" Rung Spacing, Add	*14.77*	
		For 4" Rung Spacing, Add	*27.08*	
		For 18" Rung Spacing, Deduct	*-2.46*	
		For Solid Bottom, Add	*62.06*	
		For Vented Trough Bottom, Add	*66.48*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	334.35	153.64
		For 9" Rung Spacing, Add	*3.64*	
		For 6" Rung Spacing, Add	*15.61*	
		For 4" Rung Spacing, Add	*28.61*	
		For 18" Rung Spacing, Deduct	*-2.60*	
		For Solid Bottom, Add	*65.76*	
		For Vented Trough Bottom, Add	*70.40*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	357.11	162.71
		For 9" Rung Spacing, Add	*3.96*	
		For 6" Rung Spacing, Add	*16.99*	
		For 4" Rung Spacing, Add	*31.15*	
		For 18" Rung Spacing, Deduct	*-2.83*	
		For Solid Bottom, Add	*70.56*	
		For Vented Trough Bottom, Add	*75.79*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	386.60	174.36
		For 9" Rung Spacing, Add	*4.38*	
		For 6" Rung Spacing, Add	*18.77*	
		For 4" Rung Spacing, Add	*34.41*	
		For 18" Rung Spacing, Deduct	*-3.13*	
		For Solid Bottom, Add	*76.76*	
		For Vented Trough Bottom, Add	*82.73*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	161.99	67.74
		For 9" Rung Spacing, Add	*2.11*	
		For 6" Rung Spacing, Add	*9.06*	
		For 4" Rung Spacing, Add	*16.61*	
		For 18" Rung Spacing, Deduct	*-1.51*	
		For Solid Bottom, Add	*33.36*	
		For Vented Trough Bottom, Add	*36.86*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	171.22	72.34
		For 9" Rung Spacing, Add	*2.20*	
		For 6" Rung Spacing, Add	*9.42*	
		For 4" Rung Spacing, Add	*17.28*	
		For 18" Rung Spacing, Deduct	*-1.57*	
		For Solid Bottom, Add	*35.11*	
		For Vented Trough Bottom, Add	*38.68*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	207.49	94.83
		For 9" Rung Spacing, Add	*2.28*	
		For 6" Rung Spacing, Add	*9.79*	
		For 4" Rung Spacing, Add	*17.94*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*40.91*	
		For Vented Trough Bottom, Add	*43.88*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	231.65	106.62
		For 9" Rung Spacing, Add	*2.51*	
		For 6" Rung Spacing, Add	*10.77*	
		For 4" Rung Spacing, Add	*19.74*	
		For 18" Rung Spacing, Deduct	*-1.79*	
		For Solid Bottom, Add	*45.52*	
		For Vented Trough Bottom, Add	*48.70*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	243.51	111.09
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.53*	
		For 4" Rung Spacing, Add	*21.14*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*48.06*	
		For Vented Trough Bottom, Add	*51.58*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	261.25	117.46
		For 9" Rung Spacing, Add	*2.98*	
		For 6" Rung Spacing, Add	*12.77*	
		For 4" Rung Spacing, Add	*23.41*	
		For 18" Rung Spacing, Deduct	*-2.13*	
		For Solid Bottom, Add	*51.96*	
		For Vented Trough Bottom, Add	*56.07*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	283.72	126.54
		For 9" Rung Spacing, Add	*3.29*	
		For 6" Rung Spacing, Add	*14.11*	
		For 4" Rung Spacing, Add	*25.86*	
		For 18" Rung Spacing, Deduct	*-2.35*	
		For Solid Bottom, Add	*56.67*	
		For Vented Trough Bottom, Add	*61.33*	
26 05 36 00-2565		**Straight Reducers** *(26 05 36 00-2516)*		
26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	74.84	27.10
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.41*	
		For 18" Rung Spacing, Deduct	*-0.86*	
		For Solid Bottom, Add	*16.36*	
		For Vented Trough Bottom, Add	*18.76*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	82.11	31.56
		For 9" Rung Spacing, Add	*1.21*	
		For 6" Rung Spacing, Add	*5.21*	
		For 4" Rung Spacing, Add	*9.54*	
		For 18" Rung Spacing, Deduct	*-0.87*	
		For Solid Bottom, Add	*17.52*	
		For Vented Trough Bottom, Add	*19.81*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	89.36	36.18
		For 9" Rung Spacing, Add	*1.23*	
		For 6" Rung Spacing, Add	*5.28*	
		For 4" Rung Spacing, Add	*9.67*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*18.68*	
		For Vented Trough Bottom, Add	*20.84*	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	95.99	39.70
		For 9" Rung Spacing, Add	*1.27*	
		For 6" Rung Spacing, Add	*5.46*	
		For 4" Rung Spacing, Add	*10.00*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*19.86*	
		For Vented Trough Bottom, Add	*22.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	107.47	43.35
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.37*	
		For 4" Rung Spacing, Add	*11.67*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*22.49*	
		For Vented Trough Bottom, Add	*25.10*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	121.10	47.96
		For 9" Rung Spacing, Add	*1.73*	
		For 6" Rung Spacing, Add	*7.40*	
		For 4" Rung Spacing, Add	*13.56*	
		For 18" Rung Spacing, Deduct	*-1.23*	
		For Solid Bottom, Add	*25.56*	
		For Vented Trough Bottom, Add	*28.70*	
26 05 36 00-2572		**Vertical Tees** *(26 05 36 00-2516)*		
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	229.90	67.74
		For 9" Rung Spacing, Add	*4.49*	
		For 6" Rung Spacing, Add	*19.25*	
		For 4" Rung Spacing, Add	*35.28*	
		For 18" Rung Spacing, Deduct	*-3.21*	
		For Solid Bottom, Add	*53.73*	
		For Vented Trough Bottom, Add	*64.02*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	238.26	72.34
		For 9" Rung Spacing, Add	*4.55*	
		For 6" Rung Spacing, Add	*19.48*	
		For 4" Rung Spacing, Add	*35.72*	
		For 18" Rung Spacing, Deduct	*-3.25*	
		For Solid Bottom, Add	*55.22*	
		For Vented Trough Bottom, Add	*65.50*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	273.70	94.83
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.72*	
		For 4" Rung Spacing, Add	*36.15*	
		For 18" Rung Spacing, Deduct	*-3.29*	
		For Solid Bottom, Add	*60.77*	
		For Vented Trough Bottom, Add	*70.36*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	294.95	106.62
		For 9" Rung Spacing, Add	*4.73*	
		For 6" Rung Spacing, Add	*20.26*	
		For 4" Rung Spacing, Add	*37.15*	
		For 18" Rung Spacing, Deduct	*-3.38*	
		For Solid Bottom, Add	*64.51*	
		For Vented Trough Bottom, Add	*74.02*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	305.11	111.09
		For 9" Rung Spacing, Add	*4.85*	
		For 6" Rung Spacing, Add	*20.77*	
		For 4" Rung Spacing, Add	*38.08*	
		For 18" Rung Spacing, Deduct	*-3.46*	
		For Solid Bottom, Add	*66.54*	
		For Vented Trough Bottom, Add	*76.22*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	317.76	117.46
		For 9" Rung Spacing, Add	*4.96*	
		For 6" Rung Spacing, Add	*21.25*	
		For 4" Rung Spacing, Add	*38.95*	
		For 18" Rung Spacing, Deduct	*-3.54*	
		For Solid Bottom, Add	*68.91*	
		For Vented Trough Bottom, Add	*78.67*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	346.15	126.54
		For 9" Rung Spacing, Add	*5.48*	
		For 6" Rung Spacing, Add	*23.47*	
		For 4" Rung Spacing, Add	*43.03*	
		For 18" Rung Spacing, Deduct	*-3.91*	
		For Solid Bottom, Add	*75.39*	
		For Vented Trough Bottom, Add	*86.30*	
26 05 36 00-2580		**Flextray™ Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2581		**Flextray™ Cable Tray Straight Sections** *(26 05 36 00-2580)*		
		Note: Includes splicing and splice bars.		
26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.32	8.54
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.58	9.11
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.84	9.51
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.21	10.00
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.05	10.48
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.07	10.97
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.98	11.46
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.16	11.79
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.94	12.12
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.08	10.03
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.15	10.43
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.36	10.97
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.19	11.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.17	12.06
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.66	12.60
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.58	13.01
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	41.07	13.28
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	50.20	14.22
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.67	12.06
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.62	12.60
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.41	13.14
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.22	13.82
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.58	14.09
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	52.50	14.49

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	16.03	6.37
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	19.19	6.77
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	26.84	9.49
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	42.39	15.03
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	60.11	21.00
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	80.23	27.50
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	94.08	34.41
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	112.34	41.32
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	139.76	48.50
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	20.26	7.45
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	29.19	10.43
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	47.03	16.53
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	66.40	23.03
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	87.87	30.21
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	107.15	37.80
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	129.52	45.38
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	164.29	53.24
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	251.10	71.12
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	51.94	18.02
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	77.28	25.19
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	101.02	32.92
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	122.62	41.32
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	145.53	49.45
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	209.99	58.12

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	41.36	17.88
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	43.27	17.88
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	46.52	17.88
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	55.16	19.51
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	58.00	19.51
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	58.95	19.51
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	59.79	19.51

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	100.93	23.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	125.93	27.91
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	163.05	30.21
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	186.09	33.46
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	249.28	47.42
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	280.63	50.80
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	433.00	47.42
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	304.59	50.80
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	476.04	66.79
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	656.50	72.62
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	966.52	47.96
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,109.72	50.80
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	118.67	17.47
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	121.96	17.47
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	70.75	17.47
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	72.07	17.47
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	70.75	20.32
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	72.07	20.32
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	49.80	27.10
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	78.88	27.10
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	103.37	27.10
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	105.01	28.58
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	86.21	4.06
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	115.00	56.90
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	128.86	56.90
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	142.83	56.90
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	128.86	63.68
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	157.09	63.68
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.83	67.74
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.83	67.74
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	157.09	67.74
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	102.53	50.13
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	120.41	50.13
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	139.30	50.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0053		Underfloor Duct Accessories *(26 05 39 00-0001)*		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.90	4.06
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	32.62	4.06
26 05 39 00-0057		Conduit Adapters *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	35.25	6.77
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	37.64	6.77
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	36.65	6.77
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	38.07	6.77
26 05 39 00-0062		Holders And Caps *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	238.55	56.90
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	428.40	56.90
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.23	1.35
26 05 39 00-0066		Underfloor Dust Pans *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	94.39	7.43

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		Underground Ducts for Electrical Systems *(26 05 43)* See CSI section 33 71 19 23-0000 for underground trenched ductbank.		
26 05 43 00-0002		Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43 00-0001)* Note: Rated for 200 pounds per square foot (PSF) Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0003		10" Wide Pedestrian Trench *(26 05 43 00-0002)*		
26 05 43 00-0004	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	190.09	
26 05 43 00-0005	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	181.82	
26 05 43 00-0006	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	264.02	
26 05 43 00-0007	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	252.53	
26 05 43 00-0008	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	128.86	
26 05 43 00-0009	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	152.82	
26 05 43 00-0010	LF	Lid, Concrete, 10" Wide Pedestrian Trench	126.73	
26 05 43 00-0011		20" Wide Pedestrian Trench *(26 05 43 00-0002)*		
26 05 43 00-0012	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	241.05	
26 05 43 00-0013	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	226.42	
26 05 43 00-0014	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	326.67	
26 05 43 00-0015	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	313.35	
26 05 43 00-0016	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	161.29	
26 05 43 00-0017	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	235.02	
26 05 43 00-0018	LF	Lid, Concrete, 20" Wide Pedestrian Trench	158.48	
26 05 43 00-0019		30" Wide Pedestrian Trench *(26 05 43 00-0002)*		
26 05 43 00-0020	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	308.07	
26 05 43 00-0021	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	361.65	
26 05 43 00-0022	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	385.40	
26 05 43 00-0023	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	370.23	
26 05 43 00-0024	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	231.52	
26 05 43 00-0025	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	313.84	
26 05 43 00-0026	LF	Lid, Concrete, 30" Wide Pedestrian Trench	197.82	
26 05 43 00-0027		40" Wide Pedestrian Trench *(26 05 43 00-0002)*		
26 05 43 00-0028	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	369.20	
26 05 43 00-0029	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	355.39	
26 05 43 00-0030	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	451.79	
26 05 43 00-0031	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	434.91	
26 05 43 00-0032	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	296.34	
26 05 43 00-0033	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	401.28	
26 05 43 00-0034	LF	Lid, Concrete, 40" Wide Pedestrian Trench	233.86	
26 05 43 00-0035		Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43 00-0001)* Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0036		10" Wide Medium Vehicle Trench *(26 05 43 00-0035)*		
26 05 43 00-0037	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	115.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0038	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	109.98	
26 05 43 00-0039	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	160.17	
26 05 43 00-0040	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	152.75	
26 05 43 00-0041	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	75.70	
26 05 43 00-0042	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	88.23	
26 05 43 00-0043	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	76.90	
26 05 43 00-0044	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	341.14	
26 05 43 00-0045		20" Wide Medium Vehicle Trench *(26 05 43 00-0035)*		
26 05 43 00-0046	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	145.30	
26 05 43 00-0047	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	135.87	
26 05 43 00-0048	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	196.01	
26 05 43 00-0049	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	187.39	
26 05 43 00-0050	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	93.70	
26 05 43 00-0051	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	136.72	
26 05 43 00-0052	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	96.16	
26 05 43 00-0053	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	452.39	
26 05 43 00-0054		30" Wide Medium Vehicle Trench *(26 05 43 00-0035)*		
26 05 43 00-0055	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	146.51	
26 05 43 00-0056	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	175.60	
26 05 43 00-0057	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	229.89	
26 05 43 00-0058	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	220.08	
26 05 43 00-0059	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	133.77	
26 05 43 00-0060	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	183.58	
26 05 43 00-0061	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	120.33	
26 05 43 00-0062	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	564.74	
26 05 43 00-0063		40" Wide Medium Vehicle Trench *(26 05 43 00-0035)*		
26 05 43 00-0064	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	218.39	
26 05 43 00-0065	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	209.47	
26 05 43 00-0066	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	267.34	
26 05 43 00-0067	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	256.41	
26 05 43 00-0068	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	171.23	
26 05 43 00-0069	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	234.68	
26 05 43 00-0070	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	141.70	
26 05 43 00-0071	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	767.77	
26 05 43 00-0072		Precast Concrete Trenches, One Piece H20 Road Crossing Trench *(26 05 43 00-0001)*		
		Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0073		10" Wide H20 Road Crossing Trench *(26 05 43 00-0072)*		
26 05 43 00-0074	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	249.16	
26 05 43 00-0075	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	237.13	
26 05 43 00-0076	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	311.31	
26 05 43 00-0077	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	296.14	
26 05 43 00-0078	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	239.25	
26 05 43 00-0079	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	227.80	
26 05 43 00-0080	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	301.40	
26 05 43 00-0081	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	286.84	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	164.89	
26 05 43 00-0083	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	223.21	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	149.17	
26 05 43 00-0085	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	207.15	
26 05 43 00-0086	LF	Lid, Concrete 10" Wide Road Crossing Trench	115.07	
26 05 43 00-0087	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	370.18	
26 05 43 00-0088		20" Wide H20 Road Crossing Trench *(26 05 43 00-0072)*		
26 05 43 00-0089	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	264.26	
26 05 43 00-0090	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	251.92	
26 05 43 00-0091	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	349.65	
26 05 43 00-0092	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	333.14	
26 05 43 00-0093	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	264.26	
26 05 43 00-0094	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	251.92	
26 05 43 00-0095	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	339.74	
26 05 43 00-0096	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	323.85	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	235.52	
26 05 43 00-0098	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	320.56	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	212.62	
26 05 43 00-0100	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	297.67	
26 05 43 00-0101	LF	Lid, Concrete 20" Wide Road Crossing Trench	128.35	
26 05 43 00-0102	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	549.10	
26 05 43 00-0103		30" Wide H20 Road Crossing Trench *(26 05 43 00-0072)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0104	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	312.19	
26 05 43 00-0105	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	298.07	
26 05 43 00-0106	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	385.99	
26 05 43 00-0107	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	368.46	
26 05 43 00-0108	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	302.28	
26 05 43 00-0109	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	288.74	
26 05 43 00-0110	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	376.08	
26 05 43 00-0111	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	358.82	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	314.20	
26 05 43 00-0113	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	415.96	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	284.13	
26 05 43 00-0115	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	385.88	
26 05 43 00-0116	LF	Lid, Concrete 30" Wide Road Crossing Trench	162.43	
26 05 43 00-0117	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	688.55	

26 05 43 00-0118 40" Wide H20 Road Crossing Trench *(26 05 43 00-0072)*

26 05 43 00-0119	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	344.76	
26 05 43 00-0120	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	329.59	
26 05 43 00-0121	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	424.44	
26 05 43 00-0122	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	405.40	
26 05 43 00-0123	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	334.85	
26 05 43 00-0124	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	320.29	
26 05 43 00-0125	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	414.53	
26 05 43 00-0126	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	396.07	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	389.94	
26 05 43 00-0128	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	515.92	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	353.03	
26 05 43 00-0130	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	479.01	
26 05 43 00-0131	LF	Lid, Concrete 40" Wide Road Crossing Trench	196.21	
26 05 43 00-0132	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	936.24	

26 05 43 00-0133 Underground Conduit for Electrical Systems *(26 05 43)*

See CSI section 26 05 33 13-0000 for cut and thread existing conduit, conduit wrap, and aboveground conduit for electrical systems.

26 05 43 00-0134 Conduit Installed Below Grade *(26 05 43 00-0133)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 43 00-0135 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 43 00-0134)*

26 05 43 00-0136 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 43 00-0135)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-1879 for field bending >1".

26 05 43 00-0137	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.71	
		For Schedule 60, Add	*0.43*	
		For Schedule 80, Add	*0.72*	
26 05 43 00-0138	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.33	
		For Schedule 60, Add	*0.53*	
		For Schedule 80, Add	*0.86*	
26 05 43 00-0139	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.27	
		For Schedule 60, Add	*0.71*	
		For Schedule 80, Add	*1.12*	
26 05 43 00-0140	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.22	
		For Schedule 60, Add	*0.89*	
		For Schedule 80, Add	*1.38*	
26 05 43 00-0141	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.02	
		For Schedule 60, Add	*1.03*	
		For Schedule 80, Add	*1.59*	
26 05 43 00-0142	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.31	
		For Schedule 60, Add	*1.30*	
		For Schedule 80, Add	*1.97*	
26 05 43 00-0143	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.06	
		For Schedule 60, Add	*1.93*	
		For Schedule 80, Add	*2.86*	
26 05 43 00-0144	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.62	
		For Schedule 60, Add	*2.26*	
		For Schedule 80, Add	*3.33*	
26 05 43 00-0145	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.11	
		For Schedule 60, Add	*2.82*	
		For Schedule 80, Add	*4.13*	
26 05 43 00-0146	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	17.38	
		For Schedule 60, Add	*3.09*	
		For Schedule 80, Add	*4.51*	
26 05 43 00-0147	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	22.76	
		For Schedule 60, Add	*4.37*	
		For Schedule 80, Add	*6.32*	
26 05 43 00-0148	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	28.22	
		For Schedule 60, Add	*5.68*	
		For Schedule 80, Add	*8.16*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0149		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial** *(26 05 43 00-0135)*			
		See CSI section 26 05 33 13-1879 for conduit field bending.			
26 05 43 00-0150	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		30.04	
		For Schedule 60, Add		*1.78*	
		For Schedule 80, Add		*3.35*	
26 05 43 00-0151	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		36.06	
		For Schedule 60, Add		*2.14*	
		For Schedule 80, Add		*4.02*	
26 05 43 00-0152	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		42.71	
		For Schedule 60, Add		*2.65*	
		For Schedule 80, Add		*4.92*	
26 05 43 00-0153	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		49.59	
		For Schedule 60, Add		*3.22*	
		For Schedule 80, Add		*5.89*	
26 05 43 00-0154	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		56.65	
		For Schedule 60, Add		*3.84*	
		For Schedule 80, Add		*6.93*	
26 05 43 00-0155	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		64.35	
		For Schedule 60, Add		*4.62*	
		For Schedule 80, Add		*8.19*	
26 05 43 00-0156	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		75.39	
		For Schedule 60, Add		*6.23*	
		For Schedule 80, Add		*10.62*	
26 05 43 00-0157	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		88.86	
		For Schedule 60, Add		*8.46*	
		For Schedule 80, Add		*13.90*	
26 05 43 00-0158	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		108.12	
		For Schedule 60, Add		*10.98*	
		For Schedule 80, Add		*17.77*	
26 05 43 00-0159	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		127.57	
		For Schedule 60, Add		*13.54*	
		For Schedule 80, Add		*21.71*	
26 05 43 00-0160	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		166.52	
		For Schedule 60, Add		*20.99*	
		For Schedule 80, Add		*32.48*	
26 05 43 00-0161	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial		195.37	
		For Schedule 60, Add		*25.91*	
		For Schedule 80, Add		*39.71*	
26 05 43 00-0162		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial** *(26 05 43 00-0135)*			
		See CSI section 26 05 33 13-1879 for conduit field bending.			
26 05 43 00-0163	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		30.04	
		For Schedule 60, Add		*1.78*	
		For Schedule 80, Add		*3.35*	
26 05 43 00-0164	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		35.96	
		For Schedule 60, Add		*2.11*	
		For Schedule 80, Add		*3.99*	
26 05 43 00-0165	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		42.58	
		For Schedule 60, Add		*2.62*	
		For Schedule 80, Add		*4.87*	
26 05 43 00-0166	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		49.20	
		For Schedule 60, Add		*3.13*	
		For Schedule 80, Add		*5.75*	
26 05 43 00-0167	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		55.77	
		For Schedule 60, Add		*3.62*	
		For Schedule 80, Add		*6.62*	
26 05 43 00-0168	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		63.88	
		For Schedule 60, Add		*4.50*	
		For Schedule 80, Add		*8.03*	
26 05 43 00-0169	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		74.51	
		For Schedule 60, Add		*6.01*	
		For Schedule 80, Add		*10.31*	
26 05 43 00-0170	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		87.74	
		For Schedule 60, Add		*8.18*	
		For Schedule 80, Add		*13.51*	
26 05 43 00-0171	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		104.98	
		For Schedule 60, Add		*10.19*	
		For Schedule 80, Add		*16.68*	
26 05 43 00-0172	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		124.87	
		For Schedule 60, Add		*12.87*	
		For Schedule 80, Add		*20.77*	
26 05 43 00-0173	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		163.02	
		For Schedule 60, Add		*20.12*	
		For Schedule 80, Add		*31.26*	
26 05 43 00-0174	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial		184.95	
		For Schedule 60, Add		*23.30*	
		For Schedule 80, Add		*36.07*	
26 05 43 00-0175		**Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial** *(26 05 43 00-0135)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0176	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 43 00-0177	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	19.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 05 43 00-0178	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 43 00-0179	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.88*	
26 05 43 00-0180	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	27.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.57*	
26 05 43 00-0181	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	30.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.26*	
26 05 43 00-0182	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	35.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0183	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.32*	
26 05 43 00-0184	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	48.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 43 00-0185	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	54.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.76*	
26 05 43 00-0186	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.48*	
26 05 43 00-0187	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	

26 05 43 00-0188 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 43 00-0135)*

26 05 43 00-0189	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.87	
26 05 43 00-0190	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.54	
26 05 43 00-0191	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.23	
26 05 43 00-0192	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.01	
26 05 43 00-0193	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.32	
26 05 43 00-0194	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.36	
26 05 43 00-0195	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	42.96	
26 05 43 00-0196	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.71	
26 05 43 00-0197	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	57.63	
26 05 43 00-0198	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	63.79	
26 05 43 00-0199	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	80.21	
26 05 43 00-0200	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	90.22	

26 05 43 00-0201 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 43 00-0135)*

26 05 43 00-0202	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	16.59	
26 05 43 00-0203	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	19.20	
26 05 43 00-0204	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	21.69	
26 05 43 00-0205	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	24.32	
26 05 43 00-0206	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	26.80	
26 05 43 00-0207	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	29.78	
26 05 43 00-0208	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	35.03	
26 05 43 00-0209	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	39.91	
26 05 43 00-0210	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	47.10	
26 05 43 00-0211	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	53.20	
26 05 43 00-0212	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	66.50	
26 05 43 00-0213	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	75.34	

26 05 43 00-0214 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 43 00-0134)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 43 00-0215 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 43 00-0214)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1869 for field bending >1".

26 05 43 00-0216	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.22	2.60
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.05*	
26 05 43 00-0217	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.69	3.22
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000, Deduct	*-1.18*	
26 05 43 00-0218	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.78	3.59
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.46*	
26 05 43 00-0219	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.18	4.83
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0220	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	23.64	5.45
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.09*	
26 05 43 00-0221	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	29.91	5.94
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.65*	
26 05 43 00-0222	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	43.27	8.91
		For >250 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.86*	
26 05 43 00-0223	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	55.91	11.14
		For >250 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-4.97*	
26 05 43 00-0224	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	69.05	11.76
		For >250 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-6.13*	
26 05 43 00-0225	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	82.06	12.99
		For >250 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-7.28*	
26 05 43 00-0226	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	126.65	17.95
		For >250 To 500, Deduct	*-5.16*	
		For >500 To 1,000, Deduct	*-8.32*	
		For >1,000, Deduct	*-11.49*	
26 05 43 00-0227	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	168.51	23.52
		For >250 To 500, Deduct	*-6.94*	
		For >500 To 1,000, Deduct	*-11.15*	
		For >1,000, Deduct	*-15.37*	

26 05 43 00-0228 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 43 00-0214)*

26 05 43 00-0229	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.14	3.71
26 05 43 00-0230	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.88	4.96
26 05 43 00-0231	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.14	6.19
26 05 43 00-0232	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	22.68	6.81
26 05 43 00-0233	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	26.86	8.05
26 05 43 00-0234	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	34.33	9.28
26 05 43 00-0235	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	61.30	11.14
26 05 43 00-0236	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	78.33	15.47
26 05 43 00-0237	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	96.67	17.95
26 05 43 00-0238	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	120.59	24.76
26 05 43 00-0239	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	299.63	34.05
26 05 43 00-0240	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	297.02	19.19

26 05 43 00-0241 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 43 00-0214)*

Note: 90, 45, or 30-degree.

26 05 43 00-0242	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	50.96	15.47
26 05 43 00-0243	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	59.15	19.19
26 05 43 00-0244	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	70.86	23.52
26 05 43 00-0245	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	83.76	27.23
26 05 43 00-0246	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	97.88	30.95
26 05 43 00-0247	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	118.30	34.05
26 05 43 00-0248	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	180.02	42.72
26 05 43 00-0249	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	267.55	58.19
26 05 43 00-0250	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	329.59	65.61
26 05 43 00-0251	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	380.52	85.42
26 05 43 00-0252	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	783.85	139.27
26 05 43 00-0253	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,230.66	209.22

26 05 43 00-0254 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial *(26 05 43 00-0214)*

26 05 43 00-0255	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	118.03	23.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0256	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	133.00	27.23
26 05 43 00-0257	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	151.79	30.95
26 05 43 00-0258	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	180.51	34.05
26 05 43 00-0259	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	250.43	42.72
26 05 43 00-0260		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0261	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	130.78	23.52
26 05 43 00-0262	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	154.07	27.23
26 05 43 00-0263	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	166.90	30.95
26 05 43 00-0264	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	213.46	34.05
26 05 43 00-0265	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	282.21	42.72
26 05 43 00-0266	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	361.78	58.19
26 05 43 00-0267		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0268	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	146.03	23.52
26 05 43 00-0269	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	165.05	27.23
26 05 43 00-0270	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	186.29	30.95
26 05 43 00-0271	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	224.39	34.05
26 05 43 00-0272	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	318.72	42.72
26 05 43 00-0273	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	404.65	58.19
26 05 43 00-0274	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	509.11	65.61
26 05 43 00-0275	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	576.10	85.42
26 05 43 00-0276		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0277	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	172.38	23.52
26 05 43 00-0278	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	190.82	27.23
26 05 43 00-0279	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	215.54	30.95
26 05 43 00-0280	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	266.52	34.05
26 05 43 00-0281	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	384.06	42.72
26 05 43 00-0282	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	477.28	58.19
26 05 43 00-0283	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	553.45	65.61
26 05 43 00-0284	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	657.51	85.42
26 05 43 00-0285		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0286	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	192.87	23.52
26 05 43 00-0287	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	214.80	27.23
26 05 43 00-0288	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	244.34	30.95
26 05 43 00-0289	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	303.19	34.05
26 05 43 00-0290	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	419.72	42.72
26 05 43 00-0291	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	535.37	58.19
26 05 43 00-0292	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	661.27	65.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0293	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	732.24	85.42
26 05 43 00-0294	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,220.12	139.27
26 05 43 00-0295		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0296	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	219.68	23.52
26 05 43 00-0297	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	243.78	27.23
26 05 43 00-0298	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	275.90	30.95
26 05 43 00-0299	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	343.86	34.05
26 05 43 00-0300	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	479.13	42.72
26 05 43 00-0301	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	609.38	58.19
26 05 43 00-0302	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	715.30	65.61
26 05 43 00-0303	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	828.72	85.42
26 05 43 00-0304	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,287.73	139.27
26 05 43 00-0305	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,764.91	209.22
26 05 43 00-0306		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0307	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	257.00	23.52
26 05 43 00-0308	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	269.61	27.23
26 05 43 00-0309	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	318.14	30.95
26 05 43 00-0310	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	400.47	34.05
26 05 43 00-0311	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	559.24	42.72
26 05 43 00-0312	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	709.16	58.19
26 05 43 00-0313	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	865.50	65.61
26 05 43 00-0314	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,016.40	85.42
26 05 43 00-0315	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,508.27	139.27
26 05 43 00-0316	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,866.15	209.22
26 05 43 00-0317		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	265.99	23.52
26 05 43 00-0319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	313.31	27.23
26 05 43 00-0320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	354.67	30.95
26 05 43 00-0321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	417.50	34.05
26 05 43 00-0322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	579.25	42.72
26 05 43 00-0323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	739.85	58.19
26 05 43 00-0324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	947.30	65.61
26 05 43 00-0325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,058.96	85.42
26 05 43 00-0326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,567.52	139.27
26 05 43 00-0327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,917.58	209.22
26 05 43 00-0328		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	90.59	15.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	99.11	19.19
26 05 43 00-0331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	128.45	23.52
26 05 43 00-0332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	185.50	27.23
26 05 43 00-0333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	219.93	30.95
26 05 43 00-0334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	278.69	34.05
26 05 43 00-0335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	370.55	42.72
26 05 43 00-0336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	478.50	42.72
26 05 43 00-0337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	618.83	65.61
26 05 43 00-0338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	796.92	85.42
26 05 43 00-0339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,448.77	139.27
26 05 43 00-0340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,812.17	209.22
26 05 43 00-0341		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0342	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	92.60	15.47
26 05 43 00-0343	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	106.78	19.19
26 05 43 00-0344	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	132.54	23.52
26 05 43 00-0345	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	193.01	27.23
26 05 43 00-0346	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	230.36	30.95
26 05 43 00-0347	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	301.20	34.05
26 05 43 00-0348	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	418.70	42.72
26 05 43 00-0349	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	527.47	42.72
26 05 43 00-0350	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	707.35	65.61
26 05 43 00-0351	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	885.12	85.42
26 05 43 00-0352	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,610.45	139.27
26 05 43 00-0353	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,073.24	209.22
26 05 43 00-0354		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial** *(26 05 43 00-0214)*		
26 05 43 00-0355	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.77	7.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 43 00-0356	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.81	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0357	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.71	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0358	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.60	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0359	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.05	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0360	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.18	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0361	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.12	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0362	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.04	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0363	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.07	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0364	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.72	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0365	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.59	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0366	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.34	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0367	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.28	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0368	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.34	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0369	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.39	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0370	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.04	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0371	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.41	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0372	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.53	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0373	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.48	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0374	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.70	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0375	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.73	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0376	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.52	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0377	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.00	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0378	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.25	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0379	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	117.10	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0380	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.70	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0381	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.78	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0382	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.02	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0383	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.07	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0384	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.00	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0385	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.59	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0386	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	92.53	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0387	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.03	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0388	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.24	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 43 00-0389	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	170.61	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0390	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.00	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0391	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.10	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0392	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.37	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0393	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.70	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0394	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.64	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0395	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.00	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0396	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.64	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0397	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.40	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0398	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.81	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 43 00-0399	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	174.81	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0400	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	256.66	58.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 43 00-0401	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.57	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0402	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.68	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0403	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.99	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0404	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.85	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0405	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.03	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0406	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.41	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0407	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.88	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0408	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.20	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0409	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	155.64	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 43 00-0410	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	189.69	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0411	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	278.91	58.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 43 00-0412	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.47	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0413	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.56	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0414	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.38	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0415	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.15	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0416	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.85	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0417	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.29	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0418	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.25	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0419	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.60	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0420	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.73	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0421	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	212.04	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0422	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	294.17	58.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 43 00-0423	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.42	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0424	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.48	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0425	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.74	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0426	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.31	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0427	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.55	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0428	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.41	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0429	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.27	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0430	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	169.77	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0431	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	200.93	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 43 00-0432	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	251.14	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0433	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	324.60	58.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	
26 05 43 00-0434	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.39	8.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 43 00-0435	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.57	9.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 43 00-0436	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.21	11.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 43 00-0437	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.15	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 43 00-0438	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.66	15.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.29*	
26 05 43 00-0439	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.55	17.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 43 00-0440	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.30	21.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.63*	
26 05 43 00-0441	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	195.51	29.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 43 00-0442	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	215.16	32.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.68*	
26 05 43 00-0443	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	263.13	42.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 43 00-0444	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	328.94	58.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.28*	

26 05 43 00-0445 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 43 00-0134)*

Note: Direct burial or encased application.

26 05 43 00-0446 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 43 00-0445)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1879 for field bending >1".

26 05 43 00-0447	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.23	1.49
		For Work In Restricted Working Space, Add	*1.12*	
26 05 43 00-0448	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.08	1.60
		For Work In Restricted Working Space, Add	*1.20*	
26 05 43 00-0449	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.66	1.72
		For Work In Restricted Working Space, Add	*1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0450	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.25	1.83
		For Work In Restricted Working Space, Add	*1.38*	
26 05 43 00-0451	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.99	1.94
		For Work In Restricted Working Space, Add	*1.46*	
26 05 43 00-0452	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.44	2.06
		For Work In Restricted Working Space, Add	*1.55*	
26 05 43 00-0453	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.96	2.18
		For Work In Restricted Working Space, Add	*1.63*	
26 05 43 00-0454	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.76	2.30
		For Work In Restricted Working Space, Add	*1.72*	
26 05 43 00-0455	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.17	2.41
		For Work In Restricted Working Space, Add	*1.81*	
26 05 43 00-0456	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.58	2.53
		For Work In Restricted Working Space, Add	*1.89*	
26 05 43 00-0457	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	20.69	2.64
		For Work In Restricted Working Space, Add	*1.98*	
26 05 43 00-0458	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	24.51	2.76
		For Work In Restricted Working Space, Add	*2.06*	

26 05 43 00-0459 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 43 00-0445)*

26 05 43 00-0460	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	111.95	11.47
		For Work In Restricted Working Space, Add	*8.60*	
		For 24" Radius, Add	*7.68*	
		For 36" Radius, Add	*11.20*	
		For 48" Radius, Add	*14.71*	
26 05 43 00-0461	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	127.63	13.76
		For Work In Restricted Working Space, Add	*10.32*	
		For 24" Radius, Add	*8.71*	
		For 36" Radius, Add	*12.76*	
		For 48" Radius, Add	*16.81*	
26 05 43 00-0462	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	134.31	16.06
		For Work In Restricted Working Space, Add	*12.04*	
		For 24" Radius, Add	*9.07*	
		For 36" Radius, Add	*13.43*	
		For 48" Radius, Add	*17.79*	
26 05 43 00-0463	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	140.97	18.34
		For Work In Restricted Working Space, Add	*13.76*	
		For 24" Radius, Add	*9.43*	
		For 36" Radius, Add	*14.10*	
		For 48" Radius, Add	*18.77*	
26 05 43 00-0464	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	147.64	20.64
		For Work In Restricted Working Space, Add	*15.48*	
		For 24" Radius, Add	*9.78*	
		For 36" Radius, Add	*14.76*	
		For 48" Radius, Add	*19.75*	
26 05 43 00-0465	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	166.62	22.93
		For Work In Restricted Working Space, Add	*17.20*	
		For 24" Radius, Add	*11.06*	
		For 36" Radius, Add	*16.66*	
		For 48" Radius, Add	*22.26*	
26 05 43 00-0466	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	193.88	25.23
		For Work In Restricted Working Space, Add	*18.92*	
		For 24" Radius, Add	*12.96*	
		For 36" Radius, Add	*19.39*	
		For 48" Radius, Add	*25.81*	
26 05 43 00-0467	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	225.77	27.52
		For Work In Restricted Working Space, Add	*20.64*	
		For 24" Radius, Add	*15.21*	
		For 36" Radius, Add	*22.58*	
		For 48" Radius, Add	*29.94*	
26 05 43 00-0468	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	256.86	32.11
		For Work In Restricted Working Space, Add	*24.08*	
		For 24" Radius, Add	*17.26*	
		For 36" Radius, Add	*25.69*	
		For 48" Radius, Add	*34.11*	
26 05 43 00-0469	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	287.95	41.28
		For Work In Restricted Working Space, Add	*27.52*	
		For 24" Radius, Add	*19.30*	
		For 36" Radius, Add	*28.80*	
		For 48" Radius, Add	*38.29*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0470		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	348.47	41.28
			For Work In Restricted Working Space, Add	*30.96*	
			For 24" Radius, Add	*23.56*	
			For 36" Radius, Add	*34.85*	
			For 48" Radius, Add	*46.14*	
26 05 43 00-0471		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	421.25	45.87
			For Work In Restricted Working Space, Add	*34.40*	
			For 24" Radius, Add	*28.73*	
			For 36" Radius, Add	*42.13*	
			For 48" Radius, Add	*55.52*	

26 05 43 00-0472 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 43 00-0445)*

26 05 43 00-0473		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	50.54	6.43
			For Work In Restricted Working Space, Add	*4.82*	
26 05 43 00-0474		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.76	7.34
			For Work In Restricted Working Space, Add	*5.50*	
26 05 43 00-0475		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.46	8.26
			For Work In Restricted Working Space, Add	*6.19*	
26 05 43 00-0476		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	62.07	9.17
			For Work In Restricted Working Space, Add	*6.88*	
26 05 43 00-0477		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	65.16	10.09
			For Work In Restricted Working Space, Add	*7.57*	
26 05 43 00-0478		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	75.07	11.01
			For Work In Restricted Working Space, Add	*8.26*	
26 05 43 00-0479		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	88.19	12.39
			For Work In Restricted Working Space, Add	*9.29*	
26 05 43 00-0480		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	103.07	13.76
			For Work In Restricted Working Space, Add	*10.32*	
26 05 43 00-0481		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	117.39	16.06
			For Work In Restricted Working Space, Add	*12.04*	
26 05 43 00-0482		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	131.72	18.34
			For Work In Restricted Working Space, Add	*13.76*	
26 05 43 00-0483		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	158.90	20.64
			For Work In Restricted Working Space, Add	*15.48*	
26 05 43 00-0484		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	191.41	22.93
			For Work In Restricted Working Space, Add	*17.20*	

26 05 43 00-0485 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 43 00-0445)*

26 05 43 00-0486		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	35.51	6.43
			For Work In Restricted Working Space, Add	*4.82*	
26 05 43 00-0487		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	39.96	7.34
			For Work In Restricted Working Space, Add	*5.50*	
26 05 43 00-0488		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	42.49	8.26
			For Work In Restricted Working Space, Add	*6.19*	
26 05 43 00-0489		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	45.01	9.17
			For Work In Restricted Working Space, Add	*6.88*	
26 05 43 00-0490		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	47.53	10.09
			For Work In Restricted Working Space, Add	*7.57*	
26 05 43 00-0491		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	49.95	11.01
			For Work In Restricted Working Space, Add	*8.26*	
26 05 43 00-0492		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	57.88	12.39
			For Work In Restricted Working Space, Add	*9.29*	
26 05 43 00-0493		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	66.71	13.76
			For Work In Restricted Working Space, Add	*10.32*	
26 05 43 00-0494		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	76.48	16.06
			For Work In Restricted Working Space, Add	*12.04*	
26 05 43 00-0495		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	86.26	18.34
			For Work In Restricted Working Space, Add	*13.76*	
26 05 43 00-0496		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	102.13	20.64
			For Work In Restricted Working Space, Add	*15.48*	
26 05 43 00-0497		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	120.44	22.93
			For Work In Restricted Working Space, Add	*17.20*	

26 05 43 00-0498 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 43 00-0445)*

26 05 43 00-0499		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	33.35	3.67
			For Work In Restricted Working Space, Add	*2.75*	
26 05 43 00-0500		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	37.20	4.13
			For Work In Restricted Working Space, Add	*3.10*	
26 05 43 00-0501		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.65	4.59
			For Work In Restricted Working Space, Add	*3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0502	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	39.95	5.04
		For Work In Restricted Working Space, Add	*3.78*	
26 05 43 00-0503	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	41.72	5.50
		For Work In Restricted Working Space, Add	*4.13*	
26 05 43 00-0504	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	49.35	6.43
		For Work In Restricted Working Space, Add	*4.82*	
26 05 43 00-0505	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	59.43	7.80
		For Work In Restricted Working Space, Add	*5.85*	
26 05 43 00-0506	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	70.84	9.17
		For Work In Restricted Working Space, Add	*6.88*	
26 05 43 00-0507	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	82.56	11.47
		For Work In Restricted Working Space, Add	*8.60*	
26 05 43 00-0508	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	94.28	13.76
		For Work In Restricted Working Space, Add	*10.32*	
26 05 43 00-0509	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	114.95	16.06
		For Work In Restricted Working Space, Add	*12.04*	
26 05 43 00-0510	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	139.43	18.34
		For Work In Restricted Working Space, Add	*13.76*	

26 05 43 00-0511 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 43 00-0445)*

26 05 43 00-0512	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	83.98	22.93
		For Work In Restricted Working Space, Add	*17.20*	
26 05 43 00-0513	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	98.36	27.52
		For Work In Restricted Working Space, Add	*20.64*	
26 05 43 00-0514	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	110.16	32.11
		For Work In Restricted Working Space, Add	*24.08*	
26 05 43 00-0515	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	121.83	36.70
		For Work In Restricted Working Space, Add	*27.52*	
26 05 43 00-0516	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	128.24	38.99
		For Work In Restricted Working Space, Add	*29.24*	
26 05 43 00-0517	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	139.83	41.28
		For Work In Restricted Working Space, Add	*30.96*	
26 05 43 00-0518	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	152.89	43.57
		For Work In Restricted Working Space, Add	*32.68*	
26 05 43 00-0519	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	167.42	45.87
		For Work In Restricted Working Space, Add	*34.40*	
26 05 43 00-0520	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	179.74	48.16
		For Work In Restricted Working Space, Add	*36.12*	
26 05 43 00-0521	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	192.07	50.46
		For Work In Restricted Working Space, Add	*37.84*	
26 05 43 00-0522	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	214.28	52.74
		For Work In Restricted Working Space, Add	*39.56*	
26 05 43 00-0523	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	240.61	55.04
		For Work In Restricted Working Space, Add	*41.28*	

26 05 43 00-0524 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 43 00-0445)*

26 05 43 00-0525	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	94.80	22.93
		For Work In Restricted Working Space, Add	*17.20*	
26 05 43 00-0526	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	110.50	27.52
		For Work In Restricted Working Space, Add	*20.64*	
26 05 43 00-0527	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	122.36	32.11
		For Work In Restricted Working Space, Add	*24.08*	
26 05 43 00-0528	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	134.15	36.70
		For Work In Restricted Working Space, Add	*27.52*	
26 05 43 00-0529	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	140.67	38.99
		For Work In Restricted Working Space, Add	*29.24*	
26 05 43 00-0530	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	154.02	41.28
		For Work In Restricted Working Space, Add	*30.96*	
26 05 43 00-0531	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	169.93	43.57
		For Work In Restricted Working Space, Add	*32.68*	
26 05 43 00-0532	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	187.86	45.87
		For Work In Restricted Working Space, Add	*34.40*	
26 05 43 00-0533	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	202.74	48.16
		For Work In Restricted Working Space, Add	*36.12*	
26 05 43 00-0534	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	217.64	50.46
		For Work In Restricted Working Space, Add	*37.84*	
26 05 43 00-0535	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	246.33	52.74
		For Work In Restricted Working Space, Add	*39.56*	
26 05 43 00-0536	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	280.67	55.04
		For Work In Restricted Working Space, Add	*41.28*	

26 05 43 00-0537 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 43 00-0445)*

26 05 43 00-0538	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	105.17	6.43
		For Work In Restricted Working Space, Add	*4.82*	
26 05 43 00-0539	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	117.33	7.34
		For Work In Restricted Working Space, Add	*5.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0540	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	122.67	8.26
		For Work In Restricted Working Space, Add	*6.19*	
26 05 43 00-0541	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	128.13	9.17
		For Work In Restricted Working Space, Add	*6.88*	
26 05 43 00-0542	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	132.07	10.09
		For Work In Restricted Working Space, Add	*7.57*	
26 05 43 00-0543	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	144.53	11.01
		For Work In Restricted Working Space, Add	*8.26*	
26 05 43 00-0544	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	171.38	12.39
		For Work In Restricted Working Space, Add	*9.29*	
26 05 43 00-0545	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	202.82	13.76
		For Work In Restricted Working Space, Add	*10.32*	
26 05 43 00-0546	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	229.61	16.06
		For Work In Restricted Working Space, Add	*12.04*	
26 05 43 00-0547	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	256.41	18.34
		For Work In Restricted Working Space, Add	*13.76*	
26 05 43 00-0548	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	314.85	20.64
		For Work In Restricted Working Space, Add	*15.48*	
26 05 43 00-0549	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	384.35	22.93
		For Work In Restricted Working Space, Add	*17.20*	

26 05 43 00-0550 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 43 00-0445)*

26 05 43 00-0551	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	113.63	22.93
		For Work In Restricted Working Space, Add	*17.20*	
26 05 43 00-0552	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	131.36	27.52
		For Work In Restricted Working Space, Add	*20.64*	
26 05 43 00-0553	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	157.55	32.11
		For Work In Restricted Working Space, Add	*24.08*	
26 05 43 00-0554	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	195.94	36.70
		For Work In Restricted Working Space, Add	*27.52*	
26 05 43 00-0555	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	240.31	38.99
		For Work In Restricted Working Space, Add	*29.24*	
26 05 43 00-0556	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	314.89	41.28
		For Work In Restricted Working Space, Add	*30.96*	
26 05 43 00-0557	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	442.05	43.57
		For Work In Restricted Working Space, Add	*32.68*	
26 05 43 00-0558	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	527.72	45.87
		For Work In Restricted Working Space, Add	*34.40*	
26 05 43 00-0559	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	628.39	48.16
		For Work In Restricted Working Space, Add	*36.12*	
26 05 43 00-0560	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	729.07	50.46
		For Work In Restricted Working Space, Add	*37.84*	
26 05 43 00-0561	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	848.05	52.74
		For Work In Restricted Working Space, Add	*39.56*	
26 05 43 00-0562	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,353.44	55.04
		For Work In Restricted Working Space, Add	*41.28*	

26 05 43 00-0563 Spacers *(26 05 43 00-0134)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 43 00-0134 for conduit.

26 05 43 00-0564	EA	1" Base Spacers, Average 4" Wide, Direct Burial	12.14
26 05 43 00-0565	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	13.04
26 05 43 00-0566	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	14.44
26 05 43 00-0567	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.54
26 05 43 00-0568	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.57
26 05 43 00-0569	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.63
26 05 43 00-0570	EA	2" Base Spacer, Average 4" Wide, Direct Burial	18.08
26 05 43 00-0571	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.79
26 05 43 00-0572	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.98
26 05 43 00-0573	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	19.32
26 05 43 00-0574	EA	3" Base Spacer, Average 4" Wide, Direct Burial	22.85
26 05 43 00-0575	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	21.83
26 05 43 00-0576	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	24.76
26 05 43 00-0577	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.69
26 05 43 00-0578	EA	4" Base Spacer, Average 4" Wide, Direct Burial	25.52
26 05 43 00-0579	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	24.34
26 05 43 00-0580	EA	5" Base Spacer, Average 4" Wide, Direct Burial	28.22
26 05 43 00-0581	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	26.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0582	EA	6" Base Spacer, Average 4" Wide, Direct Burial	31.85	
26 05 43 00-0583	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	30.68	
26 05 43 00-0584		Protection Tape Wrap For Conduit Or Buried Pipe *(26 05 43 00-0133)*		
26 05 43 00-0585		All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 43 00-0584)*		
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.		
26 05 43 00-0586	LF	1/2" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.11	
26 05 43 00-0587	LF	3/4" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.63	
26 05 43 00-0588	LF	1" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.25	
26 05 43 00-0589	LF	1-1/4" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.93	
26 05 43 00-0590	LF	1-1/2" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.65	
26 05 43 00-0591	LF	2" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.86	
26 05 43 00-0592	LF	2-1/2" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.55	
26 05 43 00-0593	LF	3" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.20	
26 05 43 00-0594	LF	4" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.28	
26 05 43 00-0595	LF	5" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.98	
26 05 43 00-0596	LF	6" Diameter Pipe Or Conduit Wrap, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	13.69	
26 05 43 00-0597	LF	1/2" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.02	
26 05 43 00-0598	LF	3/4" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.61	
26 05 43 00-0599	LF	1" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.22	
26 05 43 00-0600	LF	1-1/4" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.89	
26 05 43 00-0601	LF	1-1/2" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.61	
26 05 43 00-0602	LF	2" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.80	
26 05 43 00-0603	LF	2-1/2" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.75	
26 05 43 00-0604	LF	3" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	8.78	
26 05 43 00-0605	LF	4" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.06	
26 05 43 00-0606	LF	5" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	12.96	
26 05 43 00-0607	LF	6" Diameter Pipe Or Conduit Wrap, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	14.86	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,092.93	355.24
		For Class 1 Pole, Add	*133.81*	
		For Class 2 Pole, Add	*76.46*	
		For Class 4 Pole, Deduct	*-38.23*	
		For Class 5 Pole, Deduct	*-114.70*	
		For Class 6 Pole, Deduct	*-152.93*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,307.43	394.14
		For Class 1 Pole, Add	*181.68*	
		For Class 2 Pole, Add	*103.82*	
		For Class 4 Pole, Deduct	*-51.91*	
		For Class 5 Pole, Deduct	*-155.72*	
		For Class 6 Pole, Deduct	*-207.63*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,695.17	521.29
		For Class 1 Pole, Add	*228.46*	
		For Class 2 Pole, Add	*130.55*	
		For Class 4 Pole, Deduct	*-65.27*	
		For Class 5 Pole, Deduct	*-195.82*	
		For Class 6 Pole, Deduct	*-261.09*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,939.29	573.36
		For Class 1 Pole, Add	*277.41*	
		For Class 2 Pole, Add	*158.52*	
		For Class 4 Pole, Deduct	*-79.26*	
		For Class 5 Pole, Deduct	*-237.78*	
		For Class 6 Pole, Deduct	*-317.04*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,216.01	638.59
		For Class 1 Pole, Add	*328.54*	
		For Class 2 Pole, Add	*187.74*	
		For Class 4 Pole, Deduct	*-93.87*	
		For Class 5 Pole, Deduct	*-281.61*	
		For Class 6 Pole, Deduct	*-375.48*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,521.24	716.70
		For Class 1 Pole, Add	*380.76*	
		For Class 2 Pole, Add	*217.58*	
		For Class 4 Pole, Deduct	*-108.79*	
		For Class 5 Pole, Deduct	*-326.37*	
		For Class 6 Pole, Deduct	*-435.16*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,819.98	788.29
		For Class 1 Pole, Add	*435.16*	
		For Class 2 Pole, Add	*248.66*	
		For Class 4 Pole, Deduct	*-124.33*	
		For Class 5 Pole, Deduct	*-372.99*	
		For Class 6 Pole, Deduct	*-497.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	3,151.18	866.85
		For Class 1 Pole, Add	*496.08*	
		For Class 2 Pole, Add	*283.47*	
		For Class 4 Pole, Deduct	*-141.74*	
		For Class 5 Pole, Deduct	*-425.21*	
		For Class 6 Pole, Deduct	*-566.95*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	5,155.52	944.80
		For Class 1 Pole, Add	*1,143.05*	
		For Class 2 Pole, Add	*653.17*	
		For Class 4 Pole, Deduct	*-326.59*	
		For Class 5 Pole, Deduct	*-979.76*	
		For Class 6 Pole, Deduct	*-1,306.34*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,661.23	1,005.05
		For Class 1 Pole, Add	*1,277.89*	
		For Class 2 Pole, Add	*730.22*	
		For Class 4 Pole, Deduct	*-365.11*	
		For Class 5 Pole, Deduct	*-1,095.33*	
		For Class 6 Pole, Deduct	*-1,460.44*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	6,222.74	1,073.45
		For Class 1 Pole, Add	*1,426.52*	
		For Class 2 Pole, Add	*815.15*	
		For Class 4 Pole, Deduct	*-407.58*	
		For Class 5 Pole, Deduct	*-1,222.73*	
		For Class 6 Pole, Deduct	*-1,630.30*	
26 05 46 00-0014		**Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	30.27	
26 05 46 00-0016		**Crossarms** *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		**Wood Single Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	257.24	105.96
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	311.18	105.96
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	326.82	136.23
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	663.28	295.15
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	706.04	295.15
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	735.21	295.15
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	296.89	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	374.42	63.57
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	389.56	68.11
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	466.49	81.74
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	727.59	104.44
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	862.68	127.14
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	126.53	18.17
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	632.69	90.82
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	500.69	151.36
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	150.39	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	122.48	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	351.15	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	239.60	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	106.58	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	93.29	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	321.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		**Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	1,054.86	423.82
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,074.49	423.82
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,114.85	423.82
26 05 46 00-0053	EA	Guy Guard, Plastic	44.00	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,516.88	650.85
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,516.88	650.85
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,516.88	650.85
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	643.04	317.86
26 05 46 00-0060		**Pole Anchor** *(26 05 46 00-0048)* Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	72.95	30.74
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	82.87	30.74
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	111.00	34.58
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	156.72	38.43
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	179.12	42.27
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	288.12	57.63
26 05 46 00-0067		**Insulators** *(26 05 46)*		
26 05 46 00-0068		**Pin Insulator With Pin** *(26 05 46 00-0067)*		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin	202.78	90.82
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin	208.42	90.82
26 05 46 00-0071		**Suspension Insulator** *(26 05 46 00-0067)* Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	257.16	121.09
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	272.49	121.09
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	381.62	151.36
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	603.61	242.18
26 05 46 00-0076		**Spool Insulator With Clevis** *(26 05 46 00-0067)*		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis	85.61	37.84
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis	274.29	136.23
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis	355.79	136.23
26 05 46 00-0080		**Secondary Rack** *(26 05 46 00-0067)*		
26 05 46 00-0081	EA	1 Spool Secondary Rack	170.14	75.68
26 05 46 00-0082	EA	2 Spool Secondary Rack	175.09	96.57
26 05 46 00-0083	EA	3 Spool Secondary Rack	262.20	128.65
26 05 46 00-0084	EA	4 Spool Secondary Rack	294.76	128.65
26 05 46 00-0085		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0087	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,944.82	514.63
26 05 46 00-0088	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,760.65	514.63
26 05 46 00-0089	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,527.25	870.33
26 05 46 00-0090	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,840.23	870.33
26 05 46 00-0091		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0092	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,295.10	514.63
26 05 46 00-0093	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,927.67	514.63
26 05 46 00-0094	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,527.25	870.33
26 05 46 00-0095	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,840.23	870.33
26 05 46 00-0096		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0097	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,035.31	597.88
26 05 46 00-0098	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,232.64	597.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0099	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,278.96	1,029.26
26 05 46 00-0100	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,602.19	1,029.26
26 05 46 00-0101		Square Distribution Poles *(26 05 46)*		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	4,042.92	643.29
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	4,520.55	681.12
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	4,903.26	756.81
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	5,426.16	832.49
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	7,376.60	908.17
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	5,664.17	1,140.16
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	6,398.19	1,250.49
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	7,507.55	1,397.61
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	8,459.39	1,544.73
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	6,396.17	1,875.74
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	11,931.12	2,206.75
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	14,076.77	2,501.00
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	16,991.57	3,089.46
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	19,032.50	3,383.69
26 05 46 00-0118		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,894.35	567.61
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,454.21	605.45
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,274.23	681.12
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,448.75	756.81
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,311.82	832.49
26 05 46 00-0125		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole *(26 05 46 00-0125)*		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,428.30	908.17
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,308.64	983.85
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,721.48	1,059.53
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,915.85	1,210.90
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,791.01	1,362.26
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,562.61	1,728.63
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,870.59	1,961.07
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	14,225.55	2,206.75
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,961.50	2,501.00
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	17,057.10	2,648.11
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	18,507.43	2,942.34
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	20,365.39	3,310.13
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	22,474.23	3,751.49
26 05 46 00-0140		12 Sided Tapered *(26 05 46 00-0125)*		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,300.18	908.17
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,264.40	983.85
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,367.92	1,059.53
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,488.95	1,210.90
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,603.62	1,362.26
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,417.12	1,728.63
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,336.64	1,961.07
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,958.44	2,206.75
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,683.44	2,501.00
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	26,151.11	2,648.11
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,689.10	2,942.34
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,515.73	3,310.13
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,697.78	3,751.49
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	36,032.56	4,192.84
26 05 46 00-0155		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0125)*		
26 05 46 00-0156	EA	Ladder Clips	28.71	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	215.46	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line	216.71	
26 05 46 00-0159		Arms With Baseplates And Endplates *(26 05 46 00-0125)*		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate	873.59	151.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate	951.00	151.36
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate	1,180.95	227.04
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate	1,248.65	227.04
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate	1,476.29	302.72
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate	1,553.65	302.72
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate	2,063.06	378.40
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate	2,149.91	378.40
26 05 46 00-0168		Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0125)*		
26 05 46 00-0169	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	366.56	151.36
26 05 46 00-0170	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	413.98	151.36
26 05 46 00-0171	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	478.83	151.36
26 05 46 00-0172		Armless Construction Brackets *(26 05 46 00-0125)*		
26 05 46 00-0173		Verticals Insulator And Equipment Bracket *(26 05 46 00-0172)*		
26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket	374.29	151.36
26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket	404.23	151.36
26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket	452.88	151.36
26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket	635.98	227.04
26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket	664.39	227.04
26 05 46 00-0179		Horizontal And Multiple Insulator Brackets *(26 05 46 00-0172)*		
26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	350.97	151.36
26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	413.89	151.36
26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	605.51	227.04
26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	754.00	227.04
26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	967.33	302.72
26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,046.14	302.72
26 05 46 00-0186		Pole Top Bracket And Pins *(26 05 46 00-0172)*		
26 05 46 00-0187	EA	Pole Top Pin - 5"	360.11	151.36
26 05 46 00-0188	EA	Pole Top Bracket - 5"	375.38	151.36
26 05 46 00-0189		Angle Pins *(26 05 46 00-0172)*		
26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6"	358.04	151.36
26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4"	407.66	151.36
26 05 46 00-0192		Static And Neutral Wire Brackets *(26 05 46 00-0172)*		
26 05 46 00-0193	EA	Neutral Wire Extension Bracket	379.63	151.36
26 05 46 00-0194	EA	Static Wire Support Bracket	385.14	151.36
26 05 46 00-0195		Cutout, Arrestor And Terminator Brackets *(26 05 46 00-0172)*		
26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket	345.46	151.36
26 05 46 00-0197	EA	Equipment Mounting T Bracket	373.44	151.36
26 05 46 00-0198	EA	15 KV Cutout	501.47	
26 05 46 00-0199	EA	9/10 KV Arrestor	462.12	151.36
26 05 46 00-0200		Spacer Cable, Conduit Support And Cluster Bracket *(26 05 46 00-0172)*		
26 05 46 00-0201	EA	Parallel Cable Spacer	419.21	151.36
26 05 46 00-0202	EA	Conduit Standoff Support Bracket	401.61	151.36
26 05 46 00-0203	EA	Three Transformer Pole Mounted Cluster Bracket	1,011.92	151.36
26 05 46 00-0204		15 KV, 200 Amperes, Solenoid Operated High Voltage Switch *(26 05 46 00-0172)* Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,490.49	378.40
26 05 46 00-0206		Octagonal Tapered *(26 05 46 00-0125)*		
26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,587.95	908.17
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,583.58	983.85
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,723.73	1,059.53
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,876.15	1,286.57
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	17,137.32	1,362.26
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,992.68	1,728.63
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	22,006.39	1,838.97
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,672.67	2,206.75
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,439.51	2,353.87
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,951.67	2,648.11
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,602.16	2,795.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	32,475.89	3,310.13
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,705.02	3,530.82
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	37,092.13	3,972.16
26 05 46 00-0221		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0125)*		
26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	52.97	
26 05 46 00-0223		**Special Steel Bases For Poles** *(26 05 46 00-0125)*		
26 05 46 00-0224	EA	Spin-In Steel Base For Poles	308.54	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	341.70	75.68
26 05 46 00-0226	EA	Series 4, 40' Pole And less	406.71	87.03
26 05 46 00-0227	EA	Series 5, 50' Pole And less	464.15	94.60

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		**Conduit Markers Pressure-Sensitive** *(26 05 53)* Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.34	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	16.01	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	17.38	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	17.65	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.92	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	18.33	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.56	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	22.09	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.50	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	22.91	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	23.77	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	24.67	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	25.48	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	26.27	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	28.88	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	30.37	
26 05 53 00-0018		**Labeling Existing Electrical Wires** *(26 05 53)* Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019	EA	Labeling Existing Wire	4.20	
26 05 53 00-0020		**Equipment Labeling** *(26 05 53)*		
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	15.23	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	14.32	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	20.61	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	15.23	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	18.39	6.10
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.18	6.77
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	21.89	7.45
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.39	8.12
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.31	8.81
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.31	9.49
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.50	10.16
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	35.42	10.84
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	39.18	12.20
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.10	12.87
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	45.84	13.55
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	49.95	14.22
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	55.86	15.58
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	64.86	17.61
26 05 83 00-0016		**One Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	23.54	17.61
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	23.72	17.61
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	26.86	18.97
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	33.43	21.00
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	46.85	27.10
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	54.73	27.10
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	62.99	27.10
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	77.45	40.64
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	90.66	40.64
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	106.05	40.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	127.81	54.19
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	151.55	81.29
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	173.39	81.29
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	186.31	81.29
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	203.04	94.83
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	222.02	94.83
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	241.22	108.38
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	284.23	121.93

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	48.17	23.03
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	51.79	24.52
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	54.52	24.52
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	62.74	28.18
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	77.19	35.22
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	90.39	41.86
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	105.75	49.05
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	127.47	59.48
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	151.16	70.58
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	172.93	80.61
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	185.83	86.84
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	202.47	94.02
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	221.39	102.69
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	242.10	111.36
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	300.20	135.48

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	71.63	54.19
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	78.76	58.25
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	89.81	60.96
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	104.45	67.74
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	123.47	74.51
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	138.97	81.29
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	173.91	88.06
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	186.61	94.83
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	196.74	101.61
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	225.26	111.77
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	253.78	162.57
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	278.26	135.48
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	302.73	182.89
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	337.32	189.67
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	383.49	203.21

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	120.38	54.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.45*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	133.71	54.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.26*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	184.93	81.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.16*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	209.64	81.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.11*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	251.13	101.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.58*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	351.48	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,212.38	501.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*301.06*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	325.27	67.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	360.36	67.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.56*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	48.16	24.52
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	51.79	24.52
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	54.52	24.52
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	62.74	28.18
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	77.19	35.22
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	90.39	41.86
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	105.75	49.05
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	127.47	59.48
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	151.15	70.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	172.93	80.61
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	185.84	86.84
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	202.47	94.02
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	221.39	102.69
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	221.96	102.69
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	48.16	24.52
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	51.79	24.52
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	54.52	24.52
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	62.74	28.18
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	77.19	35.22
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	90.39	41.86
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	105.75	49.05
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	127.47	59.48
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	151.15	70.58
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	172.93	80.61
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	185.84	86.84
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	202.47	94.02
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	221.39	102.69
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	221.96	102.69

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	38.93	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	46.69	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	53.94	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	70.74	30.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.14*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	95.28	40.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	113.84	47.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.33*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	133.33	54.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.52*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	151.94	60.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.46*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	174.35	67.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	196.44	74.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.72*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	218.46	81.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	240.30	88.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.79*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	262.51	94.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.90*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	297.39	107.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.82*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	336.78	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	71.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	69.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.56	6.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.68	6.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.80	6.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	86.54	33.87
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	85.91	33.87
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	100.21	40.64
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.93	50.80
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.19	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.44	50.80
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.60	50.80
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.98	67.74
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	166.65	67.74
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	210.98	84.67
26 05 83 00-0142		AC Three Phase, 230 Volt *(26 05 83 00-0130)*		
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	85.91	33.87
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	100.21	40.64
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.93	50.80
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.19	50.80
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.44	50.80
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.60	50.80
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.98	67.74
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	166.65	67.74
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	210.98	84.67
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.29	84.67
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	276.02	101.61
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	285.62	101.61
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	390.83	135.48
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	490.12	169.34
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	576.30	203.21
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	687.68	237.08
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	791.01	270.95
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	980.87	338.69
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,157.34	403.05
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,373.25	470.10
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,944.46	705.02
26 05 83 00-0164		AC Three Phase, 460 Volt *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	85.91	33.87
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	100.21	40.64
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.93	50.80
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.19	50.80
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	123.44	50.80
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.60	50.80
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.98	67.74
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	166.65	67.74
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	210.98	84.67
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.29	84.67
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	276.03	101.61
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	285.61	101.61
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	390.83	135.48
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	490.54	169.61
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	576.30	203.21
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	687.68	237.08
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	791.01	270.95
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	980.87	338.69
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,157.72	403.19
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,373.77	470.38
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,945.64	705.56
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	86.54	33.87
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	882.25	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*
Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	602.64	108.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.03*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	748.50	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,413.00	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,212.14	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,668.91	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0010		**3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	680.72	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	820.12	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,526.56	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,387.19	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,009.11	372.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	
26 09 23 00-0016		**4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	803.99	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	969.13	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,852.15	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,864.39	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	6,415.83	406.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.86*	
26 09 23 00-0022		**NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0002)*		
26 09 23 00-0023		**2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,222.96	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,525.35	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,827.73	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0027		**3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,784.97	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,762.79	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	4,217.70	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	9,998.53	372.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	
26 09 23 00-0032		**4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,668.21	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,752.69	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,782.98	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0036		**NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0002)*		
26 09 23 00-0037		**2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,012.85	108.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.03*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,292.36	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,497.55	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,752.56	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,298.12	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0043		**3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,048.06	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,363.98	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,614.29	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,926.55	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,637.26	372.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,131.93	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,513.00	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,362.89	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,826.75	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	10,210.16	406.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.86*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,856.40	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,482.05	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,061.39	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,109.91	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,820.98	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,015.07	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,805.13	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	901.60	108.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.03*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,026.26	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,953.68	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,724.20	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,331.25	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	962.31	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,100.00	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,070.42	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,900.31	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	7,122.02	372.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,038.07	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,171.63	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,424.64	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,408.25	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,608.25	406.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.86*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,363.96	108.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.03*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,570.13	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,041.41	189.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,264.62	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,958.34	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,439.73	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,643.86	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,158.15	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.06*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,441.79	284.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.70*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,751.23	372.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.54*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,521.28	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,715.49	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,935.38	243.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.32*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,370.62	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.96*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	12,325.19	406.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.86*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,022.44	121.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,916.00	216.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.80*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	2,611.50	257.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.45*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,275.07	338.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.22*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,084.53	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	8,502.95	406.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.86*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,753.13	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,747.75	238.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.06*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,452.05	312.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.77*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,161.81	409.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.89*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,201.84	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,980.46	238.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.06*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,348.15	312.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.77*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,145.65	409.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.89*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,918.51	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,320.24	238.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.06*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,994.32	312.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.77*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,702.76	409.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.89*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,368.82	149.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.42*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,556.13	238.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.06*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,892.02	312.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.77*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	14,686.60	409.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.89*	
26 09 23 00-0142		Automatic Lighting Controls *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0143		Occupancy Sensor *(26 09 23 00-0142)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0144	EA	Wall Switch Replacement Occupancy Sensor, Single Gang Note: Includes integral occupancy sensor and relay.	150.47	
		For >20 To 40, Deduct	*-4.48*	
		For >40, Deduct	*-9.76*	
26 09 23 00-0145	EA	Wall Switch Replacement Occupancy Sensor, Double Gang Note: Includes integral occupancy sensor and relay.	151.84	
		For >20 To 40, Deduct	*-4.54*	
		For >40, Deduct	*-9.86*	
26 09 23 00-0146	EA	Ceiling Mount Sensor Coer <500 SF, T-Bar Or Exposed Ceiling Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	313.56	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*20.32*	
		For >20 To 40, Deduct	*-10.60*	
		For >40, Deduct	*-20.98*	
26 09 23 00-0147	EA	Ceiling Mount Sensor Coer >500 SF, T-Bar Or Exposed Ceiling Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	343.12	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*20.32*	
		For >20 To 40, Deduct	*-12.08*	
		For >40, Deduct	*-23.19*	
26 09 23 00-0148	EA	Install Additional Switching Relay Note: Includes 8' of plenum rated control wire, mounting, j-box.	123.36	
		For >20 To 40, Deduct	*-3.80*	
		For >40, Deduct	*-8.07*	
26 09 23 00-0149	EA	On Board Occupancy Sensor For Light Fixture Note: Factory installed.	180.25	
		For >20 To 40, Deduct	*-9.01*	
		For >40, Deduct	*-13.52*	
26 09 23 00-0150	EA	Troubleshoot Existing Occupancy Sensor Note: Test function, set sensitivity adjustment and time delay.	67.29	
		For >40, Deduct	*-3.36*	

26 09 23 00-0151 Light Level Controllers *(26 09 23 00-0142)*

26 09 23 00-0152	EA	Wall Switch Replacement Occupancy/Photo Sensor, Single Gang Note: Includes integral occupancy sensor, photosensor and relay.	150.47	
		For >20 To 40, Deduct	*-4.48*	
		For >40, Deduct	*-9.76*	
26 09 23 00-0153	EA	Wall Switch Replacement Occupancy/Photo Sensor, Double Gang Note: Includes integral occupancy sensor, photosensor and relay.	151.84	
		For >20 To 40, Deduct	*-4.54*	
		For >40, Deduct	*-9.86*	
26 09 23 00-0154	EA	Ceiling Mount Sensor, On/Off Control, T-Bar Or Exposed Ceiling Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	313.56	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*20.32*	
		For >20 To 40, Deduct	*-10.60*	
		For >40, Deduct	*-20.98*	
26 09 23 00-0155	EA	Ceiling Mount Sensor, Dimming Control, T-Bar Or Exposed Ceiling Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	372.89	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*20.32*	
		For >20 To 40, Deduct	*-13.56*	
		For >40, Deduct	*-25.43*	
26 09 23 00-0156	EA	On Board Photosensor For Light Fixture Note: Factory installed.	53.70	
		For >20 To 40, Deduct	*-2.69*	
		For >40, Deduct	*-4.03*	
26 09 23 00-0157	EA	On Board Dual Technology Occupancy/Photosensor For Light Fixture Note: Factory installed.	217.24	
		For >20 To 40, Deduct	*-10.86*	
		For >40, Deduct	*-16.29*	

26 09 23 00-0158 Timer Controls *(26 09 23 00-0142)*

26 09 23 00-0159	EA	In Wall Timers Note: Electronic; direct wall switch replacement for switchleg.	303.71	
		For >20 To 40, Deduct	*-10.11*	
		For >40, Deduct	*-20.24*	
26 09 23 00-0160	EA	Electronic Timeclock, 365-Day Single Channel For Lighting Note: Including indoor rated enclosure, terminations, 3-pole contactor.	772.92	
		For >20 To 40, Deduct	*-33.23*	
		For >40, Deduct	*-55.26*	
26 09 23 00-0161	EA	Electronic Timeclock, 365-Day Two Channel For Lighting Note: Including indoor rated enclosure, terminations, (2) 3-pole contactor.	932.79	
		For >20 To 40, Deduct	*-41.22*	
		For >40, Deduct	*-67.25*	
26 09 23 00-0162	EA	8 Channel Combined DI/DO Lighting Energy Management System Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	5,349.87	
		For >20 To 40, Deduct	*-132.02*	
		For >40, Deduct	*-333.50*	
26 09 23 00-0163	EA	16 Channel Combined DI/DO Lighting Energy Management System Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	6,689.73	
		For >20 To 40, Deduct	*-158.37*	
		For >40, Deduct	*-413.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0164	EA	32 Channel Combined DI/DO Lighting Energy Management System Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	8,122.29	
		For >20 To 40, Deduct	*-189.35*	
		For >40, Deduct	*-500.79*	
26 09 23 00-0165		**Exterior Photocell** *(26 09 23 00-0142)*		
26 09 23 00-0166	EA	Plug-in Exterior Photocell For Existing Fixture	84.76	
		For >20 To 40, Deduct	*-3.22*	
		For >40, Deduct	*-5.85*	
26 09 23 00-0167	EA	Mount And Wire To Control Single Fixture	161.16	
26 09 23 00-0168	EA	Mount And Wire To Control Multiple Fixtures (Entire Switchleg) Note: Includes 8' wire, conduit, exterior rated mounting box.	167.93	
26 09 23 00-0169		**Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket** *(26 09 23)*		
26 09 23 00-0170	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	147.13	35.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.17*	
26 09 23 00-0171	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	159.82	35.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.17*	
26 09 23 00-0172		**Dimming Module System (Lutron Grafik Eye)** *(26 09 23)*		
26 09 23 00-0173	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,860.68	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0174	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,400.60	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0175	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,950.15	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.29*	
26 09 23 00-0176		**Dimming Module Contol (Leviton)** *(26 09 23)*		
26 09 23 00-0177	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	240.70	16.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 09 23 00-0178		**Light Control Panels** *(26 09 23)*		
26 09 23 00-0179		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0178)*		
26 09 23 00-0180		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0179)*		
26 09 23 00-0181	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,127.82	190.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.05*	
26 09 23 00-0182	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,996.00	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0183	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,244.35	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0184	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,355.77	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0185	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,647.34	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0186	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,366.66	190.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.05*	
26 09 23 00-0187	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,539.47	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0188	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,830.76	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0189	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,472.29	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0190	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,763.84	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0191		**Accessories For Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0179)*		
26 09 23 00-0192	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	206.35	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 09 23 00-0193	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	158.82	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0194	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	83.90	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0195		**Lighting Control Panels (Synergy)** *(26 09 23 00-0178)*		
26 09 23 00-0196		**Lighting Control Panels (Synergy)** *(26 09 23 00-0195)*		
26 09 23 00-0197	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,952.03	203.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0198		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0195)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0199		EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	722.62	33.94
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 09 23 00-0200		EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	279.93	13.58
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0201		EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	159.68	20.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 09 23 00-0202			**Lighting Switching Panels (Lutron)** *(26 09 23 00-0178)*		
26 09 23 00-0203			**Lighting Switching Panels (Lutron)** *(26 09 23 00-0202)*		
26 09 23 00-0204		EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,405.58	203.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.20*	
26 09 23 00-0205		EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,292.70	217.24
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.34*	
26 09 23 00-0206		EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,306.98	230.82
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.49*	
26 09 23 00-0207			**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0178)*		
26 09 23 00-0208		EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,613.65	190.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.05*	
26 09 23 00-0209		EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,837.92	190.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.05*	
26 09 23 00-0210		EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	2,062.19	190.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.05*	
26 09 23 00-0211			**Power Filters** *(26 09 23 00-0178)*		
26 09 23 00-0212		EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	40,251.87	1,128.94
26 09 23 00-0213		EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	23,778.07	490.84
26 09 23 00-0214			**Signal Filters** *(26 09 23 00-0178)*		
26 09 23 00-0215		EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	18,516.72	1,026.37
26 09 23 00-0216		EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	12,652.59	627.26
26 09 23 00-0217		EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,060.69	364.16
26 09 23 00-0218		EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	9,593.62	364.16
26 09 23 00-0219			**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0220		EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,993.58	135.78
26 09 23 00-0221		EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,773.15	135.78
26 09 23 00-0222		EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	4,049.47	135.78
26 09 23 00-0223		EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	17,093.47	135.78
26 09 23 00-0224		EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	135.37	16.97
26 09 23 00-0225		EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	209.15	16.97
26 09 23 00-0226		EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	263.94	33.94
26 09 23 00-0227		EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	318.17	33.94
26 09 23 00-0228		EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	169.32	33.94
26 09 23 00-0229		EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	243.10	33.94
26 09 23 00-0230		EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	611.32	67.89
26 09 23 00-0231		EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	459.75	67.89
26 09 23 00-0232		EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	840.76	67.89
26 09 23 00-0233		EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	288.48	67.89
26 09 23 00-0234		EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	942.25	67.89
26 09 23 00-0235		EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,863.42	271.55
26 09 23 00-0236		EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,296.71	67.89
26 09 23 00-0237		EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	273.80	16.97
26 09 23 00-0238		EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	333.73	16.97
26 09 23 00-0239		EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	319.27	16.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0240	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	333.73	16.97
26 09 23 00-0241	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	319.27	16.97
26 09 23 00-0242	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	241.40	16.97
26 09 23 00-0243	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	333.73	16.97
26 09 23 00-0244	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	319.27	16.97
26 09 23 00-0245	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	235.57	16.97
26 09 23 00-0246	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	100.69	16.97
26 09 23 00-0247	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	83.05	33.94
26 09 23 00-0248	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	83.70	33.94
26 09 23 00-0249	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	88.80	33.94
26 09 23 00-0250	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	93.84	33.94
26 09 23 00-0251	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	99.86	33.94
26 09 23 00-0252	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	105.29	33.94
26 09 23 00-0253	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	111.95	33.94
26 09 23 00-0254	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	142.09	33.94
26 09 23 00-0255	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	903.88	33.94
26 09 23 00-0256	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	220.84	33.94
26 09 23 00-0257	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,166.36	33.94
26 09 23 00-0258	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	685.03	67.89
26 09 23 00-0259	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	685.03	67.89
26 09 23 00-0260	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	685.03	67.89
26 09 23 00-0261	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	358.43	67.89
26 09 23 00-0262	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	347.47	67.89
26 09 23 00-0263	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	354.77	67.89
26 09 23 00-0264	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	391.28	67.89
26 09 23 00-0265	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	354.77	67.89
26 09 23 00-0266	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	281.79	67.89
26 09 23 00-0267	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	298.47	67.89
26 09 23 00-0268	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	298.47	67.89
26 09 23 00-0269	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	159.42	67.89
26 09 23 00-0270	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	363.81	67.89
26 09 23 00-0271	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	512.60	67.89
26 09 23 00-0272	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	449.67	67.89
26 09 23 00-0273	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	478.87	67.89
26 09 23 00-0274	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	493.48	67.89
26 09 23 00-0275	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	446.02	67.89
26 09 23 00-0276	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	373.04	67.89
26 09 23 00-0277	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	465.37	67.89
26 09 23 00-0278	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	461.55	67.89
26 09 23 00-0279	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	511.36	67.89
26 09 23 00-0280	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	496.04	67.89
26 09 23 00-0281	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	533.46	67.89
26 09 23 00-0282	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	496.19	67.89
26 09 23 00-0283	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	496.19	67.89
26 09 23 00-0284	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	327.99	67.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0285	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	350.93	67.89
26 09 23 00-0286	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	610.80	67.89
26 09 23 00-0287	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	652.92	67.89
26 09 23 00-0288	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	482.99	67.89
26 09 23 00-0289	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	503.35	67.89
26 09 23 00-0290	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,439.55	135.78
26 09 23 00-0291	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,506.76	543.10
26 09 23 00-0292	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,559.10	543.10
26 09 23 00-0293	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,611.42	543.10
26 09 23 00-0294	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	719.78	67.89
26 09 23 00-0295	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	824.07	67.89
26 09 23 00-0296	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,221.49	67.89
26 09 23 00-0297	EA	Wireless Control Module (Encelium EN-WCM-ZB)	304.27	33.94
26 09 23 00-0298	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	359.89	33.94
26 09 23 00-0299	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	361.28	33.94
26 09 23 00-0300	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	374.39	33.94
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0302	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.35	16.97
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	594.64	67.89
26 09 23 00-0308	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	372.16	67.89
26 09 23 00-0309	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	372.16	67.89
26 09 23 00-0310	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	427.78	67.89
26 09 23 00-0311	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	427.78	67.89
26 09 23 00-0312	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0313	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0314	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0315	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0316	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0317	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	279.35	16.97
26 09 23 00-0318	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	594.64	67.89
26 09 23 00-0319	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	270.32	16.97
26 09 23 00-0320	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	270.32	16.97
26 09 23 00-0321	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	270.32	16.97
26 09 23 00-0322	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.35	16.97
26 09 23 00-0323	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	594.64	67.89
26 09 23 00-0324	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	372.16	67.89
26 09 23 00-0325	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	372.16	67.89
26 09 23 00-0326	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	427.78	67.89
26 09 23 00-0327	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	427.78	67.89
26 09 23 00-0328	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0329	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0330	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0331	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0332	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	270.32	16.97
26 09 23 00-0333	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	279.35	16.97
26 09 23 00-0334	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	594.64	67.89
26 09 23 00-0335	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	167.75	67.89
26 09 23 00-0336	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	777.60	67.89

26 09 23 00-0337 Lighting Control Sensors *(26 09 23)*

26 09 23 00-0338	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	414.25	30.55
26 09 23 00-0339	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	414.25	30.55
26 09 23 00-0340	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	363.00	30.55
26 09 23 00-0341	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	109.54	20.36
26 09 23 00-0342	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0343	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	71.24	
26 09 23 00-0344	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	12.65	
26 09 23 00-0345		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0346		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0345)*		
26 09 23 00-0347		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0348	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	545.42	20.36
26 09 23 00-0349	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	709.09	20.36
26 09 23 00-0350	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	893.23	20.36
26 09 23 00-0351		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0352	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	545.42	20.36
26 09 23 00-0353	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	647.72	20.36
26 09 23 00-0354	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	893.23	20.36
26 09 23 00-0355	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	545.42	20.36
26 09 23 00-0356	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	709.09	20.36
26 09 23 00-0357	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	893.23	20.36
26 09 23 00-0358		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0359	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	709.09	20.36
26 09 23 00-0360	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	893.23	20.36
26 09 23 00-0361	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	893.23	20.36
26 09 23 00-0362		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0363	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	545.42	20.36
26 09 23 00-0364	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	709.09	20.36
26 09 23 00-0365	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	647.72	20.36
26 09 23 00-0366	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	790.93	20.36
26 09 23 00-0367	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	709.09	20.36
26 09 23 00-0368	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	852.31	20.36
26 09 23 00-0369	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	709.09	20.36
26 09 23 00-0370		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0371	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	545.42	20.36
26 09 23 00-0372	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	709.09	20.36
26 09 23 00-0373	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	709.09	20.36
26 09 23 00-0374	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	893.23	20.36
26 09 23 00-0375	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	709.09	20.36
26 09 23 00-0376	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	893.23	20.36
26 09 23 00-0377		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0378	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	545.42	20.36
26 09 23 00-0379	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	709.09	20.36
26 09 23 00-0380	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	893.23	20.36
26 09 23 00-0381		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0346)*		
26 09 23 00-0382	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	115.78	20.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0383		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0384	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	504.50	20.36
26 09 23 00-0385	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	545.42	20.36
26 09 23 00-0386	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	545.42	20.36
26 09 23 00-0387	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	545.42	20.36
26 09 23 00-0388	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	545.42	20.36
26 09 23 00-0389	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	545.42	20.36
26 09 23 00-0390		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0391	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	504.50	20.36
26 09 23 00-0392	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	504.50	20.36
26 09 23 00-0393	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	504.50	20.36
26 09 23 00-0394	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	1,024.16	20.36
26 09 23 00-0395	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,466.08	20.36
26 09 23 00-0396	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,466.08	20.36
26 09 23 00-0397		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0398	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	647.72	20.36
26 09 23 00-0399	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	729.55	20.36
26 09 23 00-0400	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	852.31	20.36
26 09 23 00-0401		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0402	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	954.60	20.36
26 09 23 00-0403	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,312.64	20.36
26 09 23 00-0404		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0405		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0404)*		
26 09 23 00-0406	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	148.47	27.16
26 09 23 00-0407	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	174.52	27.16
26 09 23 00-0408	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	271.60	27.16
26 09 23 00-0409	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	105.02	27.16
26 09 23 00-0410	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	127.77	27.16
26 09 23 00-0411	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	114.57	27.16
26 09 23 00-0412	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	137.79	27.16
26 09 23 00-0413		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0404)*		
26 09 23 00-0414	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	142.46	27.16
26 09 23 00-0415	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	154.48	27.16
26 09 23 00-0416	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	184.54	27.16
26 09 23 00-0417	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	198.12	33.94
26 09 23 00-0418	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	243.64	27.16
26 09 23 00-0419	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	81.86	27.16
26 09 23 00-0420	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	98.39	27.16
26 09 23 00-0421	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	87.88	27.16
26 09 23 00-0422	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	104.40	27.16
26 09 23 00-0423	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	275.35	47.52
26 09 23 00-0424		**Removal And Reinstallation Of Occupancy Sensors** *(26 09 23)*		
26 09 23 00-0425	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	91.65	
26 09 23 00-0426	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	61.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0427		Occupancy Sensors (Watt Stopper) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0428		Occupancy Sensors *(26 09 23 00-0427)* Note: Exclude boxes.		
26 09 23 00-0429		Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0428)*		
26 09 23 00-0430		Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0429)*		
26 09 23 00-0431	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	149.86	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0432	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	177.02	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0433		Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0429)*		
26 09 23 00-0434	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	123.58	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0435	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	115.35	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0436	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	130.72	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0437	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	151.50	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0438	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	149.79	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0439		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0429)*		
26 09 23 00-0440	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	218.40	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0441	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	235.59	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0442		Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0429)*		
26 09 23 00-0443	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.42	3.40
26 09 23 00-0444	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.79	3.40
26 09 23 00-0445	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.79	3.40
26 09 23 00-0446		Ceiling Mounted Occupancy Sensors *(26 09 23 00-0428)*		
26 09 23 00-0447		Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0446)*		
26 09 23 00-0448		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0447)*		
26 09 23 00-0449	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	197.10	30.55
26 09 23 00-0450	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	226.65	30.55
26 09 23 00-0451	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	256.43	30.55
26 09 23 00-0452	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	253.74	30.55
26 09 23 00-0453		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0447)*		
26 09 23 00-0454	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	214.59	30.55
26 09 23 00-0455	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	244.57	30.55
26 09 23 00-0456	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	272.95	30.55
26 09 23 00-0457	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	277.76	30.55
26 09 23 00-0458	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	232.51	30.55
26 09 23 00-0459	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	263.23	30.55
26 09 23 00-0460	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	293.83	30.55
26 09 23 00-0461	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	302.64	30.55
26 09 23 00-0462		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0447)*		
26 09 23 00-0463	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	223.25	30.55
26 09 23 00-0464	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	259.06	30.55
26 09 23 00-0465	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	289.04	30.55
26 09 23 00-0466	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	210.06	30.55
26 09 23 00-0467	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	255.19	30.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0468	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	269.81	30.55
26 09 23 00-0469	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	225.11	30.55
26 09 23 00-0470	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	251.10	30.55
26 09 23 00-0471	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	283.19	30.55
26 09 23 00-0472		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0446)*		
26 09 23 00-0473	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	162.61	30.55
26 09 23 00-0474	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	166.09	30.55
26 09 23 00-0475	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	174.36	30.55
26 09 23 00-0476	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	196.54	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0477	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	199.23	30.55
26 09 23 00-0478	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	210.84	30.55
26 09 23 00-0479	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	229.41	30.55
26 09 23 00-0480		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0446)*		
26 09 23 00-0481	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	272.70	30.55
26 09 23 00-0482	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	312.00	30.55
26 09 23 00-0483	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	264.36	30.55
26 09 23 00-0484		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0428)*		
26 09 23 00-0485		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0484)*		
26 09 23 00-0486	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	335.54	30.55
26 09 23 00-0487	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	335.54	30.55
26 09 23 00-0488		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0484)*		
26 09 23 00-0489	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	312.00	30.55
26 09 23 00-0490		**Occupancy Sensor Power Packs** *(26 09 23 00-0427)*		
26 09 23 00-0491		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0492	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	109.25	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0493	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	99.27	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0494		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0495	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	91.05	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0496		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0490)*		
26 09 23 00-0497	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	121.15	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0498		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0499	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	109.71	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0500	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	109.80	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0501		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0502	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	138.64	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0503	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	140.62	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0504		**Occupancy Sensor Power Supplies** *(26 09 23 00-0490)*		
26 09 23 00-0505	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	123.83	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0506	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	284.90	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0507		**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0508	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	377.67	27.16
26 09 23 00-0509		**DIN Rail Mounted, Occupancy Sensor Power Packs** *(26 09 23 00-0490)*		
26 09 23 00-0510	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	120.01	27.16
26 09 23 00-0511		**Occupancy Sensor Accessories** *(26 09 23 00-0427)*		
26 09 23 00-0512		**Protective Cages For Occupancy Sensors** *(26 09 23 00-0511)*		
26 09 23 00-0513	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	69.37	10.18
26 09 23 00-0514		**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0511)*		
26 09 23 00-0515	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	53.51	16.97
26 09 23 00-0516		**Occupancy/Lighting Logger** *(26 09 23 00-0511)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0517	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	516.47	57.71
26 09 23 00-0518		**Digital Time Light Switches** *(26 09 23 00-0427)*		
26 09 23 00-0519	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	111.46	13.58
26 09 23 00-0520		**Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor** *(26 09 23 00-0427)*		
26 09 23 00-0521	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	243.88	44.13
26 09 23 00-0522		**Occupancy Sensors (Sensor Switch)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0523		**Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0522)* Note: Exclude boxes		
26 09 23 00-0524		**Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0523)*		
26 09 23 00-0525		**Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0524)*		
26 09 23 00-0526	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	231.75	13.58
26 09 23 00-0527	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	163.55	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0528	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	156.05	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0529	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	156.05	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	197.65	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0531	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	197.65	13.58
26 09 23 00-0532	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	240.29	13.58
26 09 23 00-0533	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	197.65	13.58
26 09 23 00-0534		**Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0524)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0535	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	299.95	13.58
26 09 23 00-0536	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	231.75	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0537	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	226.65	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0538	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	226.65	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	265.85	13.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 09 23 00-0540	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	265.85	13.58
26 09 23 00-0541	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	286.31	13.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0542		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0524)*		
26 09 23 00-0543	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	20.42	3.40
26 09 23 00-0544	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	20.42	3.40
26 09 23 00-0545	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	40.88	3.40
26 09 23 00-0546	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	40.88	3.40
26 09 23 00-0547		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0523)*		
26 09 23 00-0548		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0547)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0549	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	265.68	30.55
26 09 23 00-0550	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	265.68	30.55
26 09 23 00-0551	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	265.68	30.55
26 09 23 00-0552	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	282.73	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0553	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	282.73	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0554	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	228.17	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0555	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0557	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	296.37	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0558	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	265.68	30.55
26 09 23 00-0559	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	265.68	30.55
26 09 23 00-0560	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	265.68	30.55
26 09 23 00-0561	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	282.73	30.55
26 09 23 00-0562	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	282.73	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0563	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	228.17	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0564	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0566	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	296.37	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0567		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0547)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0568	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	333.88	30.55
26 09 23 00-0569	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	333.88	30.55
26 09 23 00-0570	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	333.88	30.55
26 09 23 00-0571	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0572	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0573	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	262.27	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0574	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	385.03	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0575	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	385.03	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0576	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	330.47	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0577	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	333.88	30.55
26 09 23 00-0578	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	333.88	30.55
26 09 23 00-0579	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	333.88	30.55
26 09 23 00-0580	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0581	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0582	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	262.27	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0583	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	385.03	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0584	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	385.03	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0585	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	330.47	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

26 09 23 00-0586 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0523)*

26 09 23 00-0587 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0586)*

26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	265.68	30.55
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	299.78	30.55
26 09 23 00-0590	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	367.98	30.55
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0592	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	419.13	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

26 09 23 00-0593 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0586)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0594	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	333.88	30.55
26 09 23 00-0595	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	385.03	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0596	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	453.22	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

26 09 23 00-0597 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0523)*

26 09 23 00-0598 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0597)*

26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	265.68	30.55
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	265.68	30.55
26 09 23 00-0601	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	265.68	30.55
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	228.17	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0603	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	228.17	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0604	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	228.17	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0605	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	296.37	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0606	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	296.37	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0607	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	296.37	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0608	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0609	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0610	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0611	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0612	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0613	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	252.04	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0614	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	299.78	30.55
26 09 23 00-0615	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	299.78	30.55
26 09 23 00-0616	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	299.78	30.55
26 09 23 00-0617	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	364.57	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0618	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	364.57	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0619	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	364.57	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0620	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	320.24	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0621	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	320.24	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0622	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	269.09	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0623	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	269.09	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0624	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	269.09	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0625	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	269.09	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0626	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	299.78	30.55
26 09 23 00-0627	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	299.78	30.55
26 09 23 00-0628	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	364.57	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0629	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	364.57	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0630	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	350.93	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0631	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0632	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	316.83	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

26 09 23 00-0633 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0522)*

26 09 23 00-0634	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	149.79	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0635	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	217.98	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0636	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	115.69	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0637	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	105.46	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0638	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	139.56	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0639	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	224.80	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0640	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	224.80	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 09 23 00-0641	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	224.80	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	

26 09 23 00-0642 Daylighting Control (Sensor Switch) *(26 09 23 00-0522)*

26 09 23 00-0643	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	231.58	30.55
26 09 23 00-0644	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	231.58	30.55
26 09 23 00-0645	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	231.58	30.55
26 09 23 00-0646	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0647	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0648	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0649	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	231.58	30.55
26 09 23 00-0650	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	231.58	30.55
26 09 23 00-0651	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	231.58	30.55
26 09 23 00-0652	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0653	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0654	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	231.58	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0655	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	333.88	30.55
26 09 23 00-0656	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	333.88	30.55
26 09 23 00-0657	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	333.88	30.55
26 09 23 00-0658	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	333.88	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0659	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	333.88	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 09 23 00-0660	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	333.88	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	

26 09 23 00-0661 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0662 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0661)*

Note: Excludes boxes.

26 09 23 00-0663 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0662)*

26 09 23 00-0664 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0663)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0665	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	360.07	13.58

26 09 23 00-0666 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0662)*

26 09 23 00-0667 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0666)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0668	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	426.92	30.55
26 09 23 00-0669	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	426.92	30.55
26 09 23 00-0670	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	426.92	30.55

26 09 23 00-0671 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0666)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0672	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	500.08	30.55
26 09 23 00-0673	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	500.08	30.55
26 09 23 00-0674	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	518.34	30.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0675		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0662)*		
26 09 23 00-0676		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0675)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0677	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	500.08	30.55
26 09 23 00-0678		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0662)*		
26 09 23 00-0679		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0678)*		
26 09 23 00-0680	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	426.92	30.55
26 09 23 00-0681		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0661)*		
26 09 23 00-0682	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	145.76	27.16
26 09 23 00-0683	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	182.38	27.16
26 09 23 00-0684	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	244.54	27.16
26 09 23 00-0685	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	244.54	27.16
26 09 23 00-0686		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0661)*		
26 09 23 00-0687	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	518.34	30.55
26 09 23 00-0688	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	417.53	30.55
26 09 23 00-0689		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0661)*		
26 09 23 00-0690	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	353.75	30.55
26 09 23 00-0691		Controls (Sensor Switch nLight®) *(26 09 23 00-0661)*		
26 09 23 00-0692	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	233.03	30.55
26 09 23 00-0693	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	335.49	30.55
26 09 23 00-0694	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	774.46	30.55
26 09 23 00-0695	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	774.46	30.55
26 09 23 00-0696	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,896.25	30.55
26 09 23 00-0697		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0698		Wireless Occupancy Sensors *(26 09 23 00-0697)*		
26 09 23 00-0699	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	173.65	30.55
26 09 23 00-0700	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	181.21	30.55
26 09 23 00-0701	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	175.45	30.55
26 09 23 00-0702	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	185.45	30.55
26 09 23 00-0703	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	177.69	30.55
26 09 23 00-0704	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	185.45	30.55
26 09 23 00-0705	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	173.65	30.55
26 09 23 00-0706	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	177.69	30.55
26 09 23 00-0707	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	175.45	30.55
26 09 23 00-0708	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	269.64	30.55
26 09 23 00-0709	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	287.58	30.55
26 09 23 00-0710	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	327.95	30.55
26 09 23 00-0711	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	345.89	30.55
26 09 23 00-0712	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	354.86	30.55
26 09 23 00-0713	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	372.80	30.55
26 09 23 00-0714	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	213.12	30.55
26 09 23 00-0715	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	224.78	30.55
26 09 23 00-0716	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	262.91	30.55
26 09 23 00-0717	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	292.07	30.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0718	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	314.49	30.55
26 09 23 00-0719	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	271.88	30.55
26 09 23 00-0720	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	250.10	30.55
26 09 23 00-0721	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	209.57	30.55
26 09 23 00-0722	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	257.36	30.55
26 09 23 00-0723	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	311.95	30.55
26 09 23 00-0724	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	330.94	30.55
26 09 23 00-0725	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	330.94	30.55
26 09 23 00-0726	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	330.94	30.55
26 09 23 00-0727	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	348.35	30.55
26 09 23 00-0728	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	564.65	44.13
26 09 23 00-0729		**Nodes And Modules** *(26 09 23 00-0697)*		
26 09 23 00-0730	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	280.85	30.55
26 09 23 00-0731	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	280.85	30.55
26 09 23 00-0732	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	354.86	30.55
26 09 23 00-0733	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	354.86	30.55
26 09 23 00-0734	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	453.61	33.94
26 09 23 00-0735	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	453.61	33.94
26 09 23 00-0736	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	550.05	33.94
26 09 23 00-0737	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	563.50	33.94
26 09 23 00-0738	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	695.82	33.94
26 09 23 00-0739	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	738.43	33.94
26 09 23 00-0740	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	781.04	33.94
26 09 23 00-0741	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,110.23	54.31
26 09 23 00-0742	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,073.34	61.09
26 09 23 00-0743	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	3,040.07	67.89
26 09 23 00-0744		**Other Accessories** *(26 09 23 00-0697)*		
26 09 23 00-0745	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	45.33	
26 09 23 00-0746	EA	Pico® Wireless Control (Lutron® PJ)	57.53	
26 09 23 00-0747	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	170.55	
26 09 23 00-0748	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	325.29	
26 09 23 00-0749	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	341.92	30.55
26 09 23 00-0750	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	432.82	30.55
26 09 23 00-0751	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	432.82	30.55
26 09 23 00-0752	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	709.28	33.94
26 09 23 00-0753	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	971.67	33.94
26 09 23 00-0754	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,168.96	30.55
26 09 23 00-0755	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,160.01	30.55
26 09 23 00-0756	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,552.48	30.55
26 09 23 00-0757	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,569.48	948.34
26 09 23 00-0758	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,466.55	948.34
26 09 23 00-0759		**Wired Occupancy Sensors** *(26 09 23 00-0697)*		
26 09 23 00-0760	EA	120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M)	139.72	33.94
26 09 23 00-0761	EA	120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW)	146.68	33.94
26 09 23 00-0762	EA	120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M)	139.72	33.94
26 09 23 00-0763	EA	120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW)	146.68	33.94
26 09 23 00-0764	EA	120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2)	106.33	33.94
26 09 23 00-0765	EA	120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M)	125.98	33.94
26 09 23 00-0766	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV)	176.16	33.94
26 09 23 00-0767	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV)	155.48	33.94
26 09 23 00-0768	EA	120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2)	103.69	33.94
26 09 23 00-0769	EA	120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M)	125.98	33.94
26 09 23 00-0770	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV)	168.44	33.94
26 09 23 00-0771	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV)	142.18	33.94
26 09 23 00-0772	EA	120 Volt, Multi-Location, Single-Pole, Passive Infrared, Wall Switch Mount Occupancy/Vacancy Sensor With Dimmer (Lutron® Maestro® MSCL-OP153M)	153.55	33.94
26 09 23 00-0773	EA	120 Volt, Multi-Location, Single-Pole, Passive Infrared, Wall Switch Mount Vacancy Sensor With Dimmer (Lutron® Maestro® MSCL-VP153M)	163.06	33.94
26 09 23 00-0774		**Lighting Controls (Daintree Networks)** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0775		**Wireless Sensors** *(26 09 23 00-0774)*		
26 09 23 00-0776	EA	Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S)	207.42	30.55
26 09 23 00-0777	EA	Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E)	207.42	30.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0778	EA	Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L) Note: 8' to 12' install height.	207.42	30.55
26 09 23 00-0779	EA	Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W) Note: 8' to 12' install height.	207.42	30.55
26 09 23 00-0780	EA	Battery Powered, Wireless Photosensor (Daintree Networks WPS1) Note: 8' to 12' install height.	178.15	30.55
26 09 23 00-0781		**Wireless Adaptors** *(26 09 23 00-0774)*		
26 09 23 00-0782	EA	Line Voltage, Wireless Adapter (Daintree Networks WA100) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket.	242.43	40.73
26 09 23 00-0783	EA	Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket.	271.70	40.73
26 09 23 00-0784	EA	Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100) Note: Includes on/off and 0-10V dimming.	189.75	40.73
26 09 23 00-0785	EA	Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN) Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor.	204.39	40.73
26 09 23 00-0786	EA	Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100) Note: Includes mounting bracket.	300.97	40.73
26 09 23 00-0787		**Controllers** *(26 09 23 00-0774)* Note: Includes programming for new controllers.		
26 09 23 00-0788	EA	Site System Controller (Daintree Networks SC51) Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM.	3,033.13	67.89
26 09 23 00-0789	EA	Enterprise System Controller (Daintree Networks SC71) Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails.	5,081.76	67.89
26 09 23 00-0790	EA	Wireless Area Controller (Daintree Networks WAC50) Note: Maximum capacity of 100 wireless nodes. Excludes node licenses.	1,209.27	
26 09 23 00-0791	EA	BACnet Server (Daintree Networks CS-BAC) Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes.	5,959.74	67.89
26 09 23 00-0792		**Other Accessories** *(26 09 23 00-0774)*		
26 09 23 00-0793	EA	10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10)	486.97	67.89
26 09 23 00-0794	EA	Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1)	213.17	40.73
26 09 23 00-0795	EA	SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203) Note: ControlScope interoperable version is 9916 003 ZB HA or later.	319.82	13.58
26 09 23 00-0796	EA	SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621) Note: Required to reset a Safeplug 1203 to default settings.	20.49	
26 09 23 00-0797		**Software And Support** *(26 09 23 00-0774)*		
26 09 23 00-0798	EA	Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25) Note: Includes 1 year of SUS.	2,019.36	
26 09 23 00-0799	EA	Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	131.70	
26 09 23 00-0800	EA	Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	321.93	
26 09 23 00-0801	EA	Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5) Note: Includes 1 year of SUS.	1,726.70	
26 09 23 00-0802	EA	BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5) Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system.	29.27	
26 09 23 00-0803	EA	Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM) Note: Requires SC71.	1,141.38	
26 09 23 00-0804	HR	Engineering Assistance (Daintree Networks EAH1)	438.99	
26 09 23 00-0805	DAY	Engineering Assistance (Daintree Networks EA1)	3,511.94	
26 09 23 00-0806	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	936.52	
26 09 23 00-0807	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	1,726.70	
26 09 23 00-0808		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0809	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	166.47	30.55
26 09 23 00-0810	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	145.84	30.55
26 09 23 00-0811	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	183.52	30.55
26 09 23 00-0812	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	145.84	30.55
26 09 23 00-0813	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	240.92	13.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0814		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0815		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0814)*		
26 09 23 00-0816	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	367.19	
26 09 23 00-0817	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	513.52	
26 09 23 00-0818		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0814)*		
26 09 23 00-0819	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	63.57	
26 09 23 00-0820	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,784.78	75.85
26 09 23 00-0821		**Counter Mounted Consolets** *(26 09 23)*		
26 09 23 00-0822	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	729.64	169.34
26 09 23 00-0823		**Lighting Console And Stations** *(26 09 23)*		
26 09 23 00-0824	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,225.32	169.34
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*113.00*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,204.85*	
26 09 23 00-0825	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,608.44	101.61
26 09 23 00-0826		**Theatre Lighting Console** *(26 09 23)*		
26 09 23 00-0827	EA	Theatre Lighting Console (ETC Colorsource 20)	3,756.12	203.21
26 09 23 00-0828		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0829		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0828)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0830	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	257.22	33.94
26 09 23 00-0831	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	257.22	33.94
26 09 23 00-0832		**Emergency Shunt Relays (Lighting Control & Design GR 2001™)** *(26 09 23 00-0828)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0833	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	425.51	47.52
26 09 23 00-0834	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	580.55	54.31
26 09 23 00-0835	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	783.11	61.09
26 09 23 00-0836		**Photocells** *(26 09 23)*		
26 09 23 00-0837	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	104.82	
26 09 23 00-0838	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	240.22	
26 09 23 00-0839		**Outdoor Lighting Motion Sensors** *(26 09 23)*		
26 09 23 00-0840	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	138.89	33.94
26 09 23 00-0841	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	151.76	33.94
26 09 23 00-0842	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	629.68	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 09 23 00-0843		**Street Light Controls** *(26 09 23)*		
26 09 23 00-0844		**Photo Controls** *(26 09 23 00-0843)*		
26 09 23 00-0845	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	107.05	
26 09 23 00-0846	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	121.69	
26 09 23 00-0847		**Connector Node** *(26 09 23 00-0843)*		
26 09 23 00-0848	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	569.87	3.59
26 09 23 00-0849		**Occupancy Sensors And Switches** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0850	EA	1-pole dimming nLight Air wireless switch (Acuity rPODBA DX WH G2)	106.30	13.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0851	EA	2-pole dimming nLight Air wireless switch (Acuity rPODBA 2P DX WH G2)	114.54	13.58
26 09 23 00-0852	EA	1-pole non-dimming nLight Air wireless switch (Acuity rPODBA WH G2)	106.30	13.58
26 09 23 00-0853	EA	2-pole non-dimming nLight Air wireless switch (Acuity rPODBA 2P WH G2)	114.54	13.58
26 09 23 00-0854	EA	nLight Air dimming powerpack (Acuity rPP20 DS)	137.24	13.58
26 09 23 00-0855	EA	nLight Air non-dimming powerpack (Acuity rPP20 24V)	113.43	13.58
26 09 23 00-0856	EA	Wired wall-switch occupancy sensor (Sensor Switch WSX PDT WH)	91.65	13.58
26 09 23 00-0857	EA	Wireless battery powered nLight Air ceiling sensor (Acuity rCMSB 7 G2)	170.95	13.58
26 09 23 00-0858	EA	nLight Air non-dimming powerpack (Acuity rPP20 24V DS)	137.24	13.58

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section *(26 11 13)*

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	114,353.07	2,355.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,437.60*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	140,202.34	2,979.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,797.00*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	159,375.50	2,979.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,797.00*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	183,605.63	2,979.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,916.80*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	208,217.44	3,671.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,211.69*	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,887.48	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.61*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	796.47	179.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.78*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	1,250.31	179.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.84*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	985.60	179.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.78*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	3,685.87	606.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*366.29*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	64,470.95	2,355.59
		For 50 Hz Operation, Add	*7,161.47*	
		For Forced Air-Cooling, Add	*7,161.47*	
		For External Control Panel, Add	*1,790.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*596.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,983.95*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,459.87*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,951.84*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	73,365.03	2,951.41
		For 50 Hz Operation, Add	*8,085.00*	
		For Forced Air-Cooling, Add	*8,085.00*	
		For External Control Panel, Add	*2,021.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*673.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,368.75*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,421.88*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,106.25*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	113,357.93	4,156.91
		For 50 Hz Operation, Add	*12,580.66*	
		For Forced Air-Cooling, Add	*12,580.66*	
		For External Control Panel, Add	*3,145.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,048.39*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,241.94*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,104.85*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,725.82*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	165,381.94	5,001.98
		For 50 Hz Operation, Add	*18,551.20*	
		For Forced Air-Cooling, Add	*18,551.20*	
		For External Control Panel, Add	*4,637.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,545.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,729.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*19,324.17*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*23,189.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	203,617.94	6,473.16
		For 50 Hz Operation, Add	*22,815.86*	
		For Forced Air-Cooling, Add	*22,815.86*	
		For External Control Panel, Add	*5,703.97*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,901.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,506.61*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,766.53*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,519.83*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	71,638.34	3,186.97
		For 50 Hz Operation, Add	*7,877.80*	
		For External Control Panel, Add	*1,969.45*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*656.48*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,282.42*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,206.04*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,847.25*	
		For Forced Air-Cooling, Add	*5,251.87*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,519.46	3,186.97
		For 50 Hz Operation, Add	*8,914.35*	
		For External Control Panel, Add	*2,228.59*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*742.86*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,714.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,285.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,142.94*	
		For Forced Air-Cooling, Add	*5,942.90*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	132,192.21	4,711.17
		For 50 Hz Operation, Add	*14,712.99*	
		For External Control Panel, Add	*3,678.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,226.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,130.41*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,326.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,391.23*	
		For Forced Air-Cooling, Add	*9,808.66*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	176,963.88	6,473.16
		For 50 Hz Operation, Add	*19,617.38*	
		For External Control Panel, Add	*4,904.34*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,634.78*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,173.91*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,434.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,521.72*	
		For Forced Air-Cooling, Add	*13,078.25*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	221,387.37	6,473.16
		For 50 Hz Operation, Add	*24,948.20*	
		For External Control Panel, Add	*6,237.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,079.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,395.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*25,987.70*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,185.24*	
		For Forced Air-Cooling, Add	*16,632.13*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	90,157.36	3,810.51
		For 50 Hz Operation, Add	*9,950.90*	
		For External Control Panel, Add	*2,487.72*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*829.24*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,146.21*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,365.52*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,438.62*	
		For Forced Air-Cooling, Add	*6,633.93*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	108,912.67	5,958.25
		For 50 Hz Operation, Add	*12,023.99*	
		For External Control Panel, Add	*3,006.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,002.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,010.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,524.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,029.99*	
		For Forced Air-Cooling, Add	*8,016.00*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	150,581.59	5,958.25
		For 50 Hz Operation, Add	*16,632.19*	
		For External Control Panel, Add	*4,158.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,386.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,930.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,325.20*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,790.24*	
		For Forced Air-Cooling, Add	*11,088.13*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	194,733.16	6,326.03
		For 50 Hz Operation, Add	*21,749.69*	
		For External Control Panel, Add	*5,437.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,812.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,062.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*22,655.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*27,187.11*	
		For Forced Air-Cooling, Add	*14,499.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	340,664.42	8,091.44
		For 50 Hz Operation, Add	*38,808.32*	
		For External Control Panel, Add	*9,702.08*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,234.03*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,170.13*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,425.33*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,510.40*	
		For Forced Air-Cooling, Add	*25,872.21*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	139,893.66	4,434.04
		For 50 Hz Operation, Add	*15,741.71*	
		For External Control Panel, Add	*3,935.43*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,311.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,559.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,397.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,677.14*	
		For Forced Air-Cooling, Add	*10,494.48*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	158,305.84	4,434.04
		For 50 Hz Operation, Add	*17,846.62*	
		For External Control Panel, Add	*4,461.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,487.22*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,436.09*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,590.23*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,308.28*	
		For Forced Air-Cooling, Add	*11,897.75*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	220,184.31	5,958.25
		For 50 Hz Operation, Add	*24,984.52*	
		For External Control Panel, Add	*6,246.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,082.04*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,410.22*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*26,025.54*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,230.65*	
		For Forced Air-Cooling, Add	*16,656.35*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	267,443.66	8,091.44
		For 50 Hz Operation, Add	*30,021.83*	
		For External Control Panel, Add	*7,505.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,501.82*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,509.10*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*31,272.74*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*37,527.29*	
		For Forced Air-Cooling, Add	*20,014.55*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	385,197.97	8,091.44
		For 50 Hz Operation, Add	*44,152.35*	
		For External Control Panel, Add	*11,038.09*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,679.36*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*18,396.81*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*45,992.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*55,190.43*	
		For Forced Air-Cooling, Add	*29,434.90*	
26 11 13 00-0039		**69 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	203,411.03	4,711.17
		For 50 Hz Operation, Add	*23,259.24*	
		For External Control Panel, Add	*5,814.81*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,938.27*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,691.35*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*24,228.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*29,074.06*	
		For Forced Air-Cooling, Add	*15,506.16*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	232,955.57	5,958.25
		For 50 Hz Operation, Add	*26,517.07*	
		For External Control Panel, Add	*6,629.27*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,209.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,048.78*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,621.95*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*33,146.34*	
		For Forced Air-Cooling, Add	*17,678.05*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	323,235.44	5,958.25
		For 50 Hz Operation, Add	*37,350.65*	
		For External Control Panel, Add	*9,337.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,112.55*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*15,562.77*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*38,906.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*46,688.32*	
		For Forced Air-Cooling, Add	*24,900.44*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	339,372.35	8,091.44
		For 50 Hz Operation, Add	*38,653.27*	
		For External Control Panel, Add	*9,663.32*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,221.11*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,105.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,263.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,316.59*	
		For Forced Air-Cooling, Add	*25,768.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	448,110.32	8,091.44
		For 50 Hz Operation, Add	*51,701.83*	
		For External Control Panel, Add	*12,925.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*4,308.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*21,542.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*53,856.07*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*64,627.29*	
		For Forced Air-Cooling, Add	*34,467.89*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	124,098.24	1,154.44
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	136,427.36	1,154.44
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	155,141.55	1,434.00
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	144,479.81	1,724.32
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	163,105.57	1,724.32
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	186,023.47	2,003.27
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	191,425.70	2,288.74
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	214,615.82	2,288.74
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	224,682.11	2,570.27

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,893.72	1,695.25
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	55,336.57	1,695.25

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	67,815.60	1,695.25
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	72,659.46	1,695.25

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	28,793.32	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,802.66	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	49,683.24	1,039.23
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,332.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,428.14*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*476.05*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	73,598.20	1,247.08
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,977.28*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,133.12*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*711.04*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	83,359.39	1,385.64
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,641.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,417.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.88*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	98,428.16	1,732.04
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,647.48*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,848.92*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*949.64*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	109,246.01	2,147.74
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,346.54*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,148.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,049.51*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	116,053.56	2,632.72
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,755.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,323.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,107.88*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	135,589.92	3,186.97
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,045.12*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,876.48*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,292.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	144,314.93	3,464.10
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,617.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,121.60*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,373.87*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	161,402.14	3,810.51
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,764.68*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,613.43*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,537.81*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	187,080.71	4,226.19
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*12,503.98*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,358.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,786.28*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	205,506.44	4,607.25
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*13,740.44*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,888.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,962.92*	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	47,308.30	1,039.23
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,166.09*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,356.90*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*452.30*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	72,412.41	1,039.23
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,923.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,110.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*703.34*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	83,306.83	1,385.64
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,637.49*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,416.07*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.36*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	98,518.58	1,732.04
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,653.81*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,851.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*950.54*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	118,474.46	2,147.74
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,992.53*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,425.37*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,141.79*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	127,544.64	2,632.72
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,559.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,668.38*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,222.79*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	140,896.06	3,186.97
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,416.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,035.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,345.22*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	153,455.24	3,464.10
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,256.89*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,395.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,465.27*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	173,221.96	3,810.51
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,592.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,968.03*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,656.01*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	14,428.82
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	28,646.11
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	18,862.36
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	104,676.64
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	97,935.41

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,363.67	1,501.15
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	12,803.48	1,730.86

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	88,147.50	1,108.51
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,126.41*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	88,286.07	1,177.79
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,140.26*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	89,821.05	1,385.64
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,428.08*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	99,149.53	1,524.21
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,447.09*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	109,821.55	1,801.33
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,728.42*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	127,253.43	2,078.46
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,496.93*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,580.01	2,494.15
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,869.01*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,803.57	2,771.27
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,791.68*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	227,916.93	2,909.84
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,443.36*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	85,098.07	1,108.51
		For Gas Filled Transformers, Add	*49,728.63*	
		For Single Phase Transformers, Deduct	*-2,072.03*	
		For Dry Type Unit, Add	*18,455.53*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	88,286.07	1,177.79
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,140.26*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	89,821.05	1,385.64
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,428.08*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	99,149.53	1,524.21
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,447.09*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	109,821.55	1,801.33
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,728.42*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	127,253.43	2,078.46
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,496.93*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,580.01	2,494.15
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,869.01*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,803.57	2,771.27
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,791.68*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	227,916.93	2,909.84
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,443.36*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	250,456.66	3,048.40
		For Gas Filled Transformers, Add	*146,615.92*	
		For Single Phase Transformers, Deduct	*-6,109.00*	
		For Dry Type Unit, Add	*54,368.85*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	279,967.78	3,186.97
		For Gas Filled Transformers, Add	*164,156.31*	
		For Single Phase Transformers, Deduct	*-6,839.85*	
		For Dry Type Unit, Add	*60,828.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	323,395.23	3,325.53
		For Gas Filled Transformers, Add	*190,046.50*	
		For Single Phase Transformers, Deduct	*-7,918.60*	
		For Dry Type Unit, Add	*70,348.82*	
26 11 16 11-0073		**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	94,735.02	1,247.08
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,542.41*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	97,905.39	1,316.36
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,223.26*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	104,534.51	1,524.21
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,631.78*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	110,275.93	1,662.76
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,861.64*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	125,671.92	1,939.89
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*27,182.25*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	139,155.41	2,217.02
		For Gas Filled Transformers, Add	*80,832.82*	
		For Single Phase Transformers, Deduct	*-3,368.03*	
		For Dry Type Unit, Add	*30,082.11*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	162,416.85	2,632.72
		For Gas Filled Transformers, Add	*94,290.86*	
		For Single Phase Transformers, Deduct	*-3,928.79*	
		For Dry Type Unit, Add	*35,099.86*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	197,299.24	2,909.84
		For Gas Filled Transformers, Add	*114,887.74*	
		For Single Phase Transformers, Deduct	*-4,786.99*	
		For Dry Type Unit, Add	*42,707.47*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	239,281.29	3,048.40
		For Gas Filled Transformers, Add	*139,910.69*	
		For Single Phase Transformers, Deduct	*-5,829.61*	
		For Dry Type Unit, Add	*51,910.27*	
26 11 16 11-0083		**Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	94,735.02	1,247.08
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,542.41*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,905.39	1,316.36
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,223.26*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	104,534.51	1,524.21
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,631.78*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	110,275.93	1,662.76
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,861.64*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	125,671.92	1,939.89
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*27,182.25*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	121,528.65	2,217.02
		For Gas Filled Transformers, Add	*70,256.77*	
		For Single Phase Transformers, Deduct	*-2,927.37*	
		For Dry Type Unit, Add	*26,204.22*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	126,204.62	2,632.72
		For Gas Filled Transformers, Add	*72,563.52*	
		For Single Phase Transformers, Deduct	*-3,023.48*	
		For Dry Type Unit, Add	*27,133.17*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	155,810.40	2,909.84
		For Gas Filled Transformers, Add	*89,994.43*	
		For Single Phase Transformers, Deduct	*-3,749.77*	
		For Dry Type Unit, Add	*33,579.93*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	185,506.27	3,048.40
		For Gas Filled Transformers, Add	*107,645.68*	
		For Single Phase Transformers, Deduct	*-4,485.24*	
		For Dry Type Unit, Add	*40,079.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	207,776.05	3,186.97
		For Gas Filled Transformers, Add	*120,841.27*	
		For Single Phase Transformers, Deduct	*-5,035.05*	
		For Dry Type Unit, Add	*44,945.86*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	244,694.01	3,325.53
		For Gas Filled Transformers, Add	*142,825.77*	
		For Single Phase Transformers, Deduct	*-5,951.07*	
		For Dry Type Unit, Add	*53,034.56*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	301,197.26	3,464.10
		For Gas Filled Transformers, Add	*176,561.44*	
		For Single Phase Transformers, Deduct	*-7,356.73*	
		For Dry Type Unit, Add	*65,432.01*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,427.94	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,627.80	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,162.60	571.36
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	12,140.80	714.20
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,064.34	857.04
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	18,274.99	1,071.29
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	21,666.02	1,285.55
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,602.63	1,499.82
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	36,230.23	1,785.49

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,162.60	571.36
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,388.48	714.20
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,064.34	857.04
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,274.99	1,071.29
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,666.02	1,285.55
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,056.72	1,499.82
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	34,937.39	1,785.49

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,873.63	571.36
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,356.46	714.20
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,288.63	857.04
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,095.98	1,071.29
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	20,910.20	1,285.55
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,534.08	1,499.82
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	35,056.73	1,785.49

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,215.26	571.36
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,739.37	714.20
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,911.60	857.04
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,321.15	1,071.29
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	24,525.66	1,285.55
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,881.09	1,499.82
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	43,688.57	1,785.49

26 12 13 00-0037 Transformer Platforms *(26 12 13 00-0004)*

26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	5,604.68	964.88

26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0004)*

26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,438.68	571.36
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,850.20	714.20
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,912.97	857.04
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,319.47	1,071.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	24,667.91	1,356.97
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,885.29	1,499.82
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	43,688.57	1,785.49
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	58,573.86	2,285.43
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	74,781.06	3,071.04
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	87,639.82	3,570.99
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	112,229.20	3,856.66

26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0004)*

26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,162.60	699.62
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	12,140.80	874.46
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,063.75	1,048.30
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	18,276.38	1,313.69
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	21,664.70	1,573.66
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,600.84	1,832.77
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	36,230.23	2,186.30

26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*

26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,162.60	699.62
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,388.48	874.46
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,063.75	1,048.30
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,276.38	1,313.69
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,664.70	1,573.66
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,054.93	1,832.77
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	34,937.39	2,186.30

26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*

26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*

26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,991.60	571.36
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,478.18	714.20
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,906.50	857.04
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,342.31	1,071.29
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,050.74	1,285.55
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	29,263.34	1,499.82
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	33,593.50	1,785.49

26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*

26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,334.85	571.36
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,652.56	714.20
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,531.22	857.04
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,591.74	1,071.29
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	17,018.72	1,285.55
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,510.52	1,499.82
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	29,840.69	1,785.49

26 12 16 Dry-Type, Medium-Voltage Transformers *(26 12)*

26 12 16 00-0001 Removal and Relocation of Transformers *(26 12 16)*

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	575.04	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,555.73	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)*

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)*

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,745.82	692.82
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,792.86	831.38
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,974.41	969.95
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	39,834.40	1,039.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,343.51	1,108.51
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	59,330.96	1,454.92
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,593.47	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	6,464.92	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,541.54	692.82
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,348.50	692.82
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	37,838.57	949.16
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	47,553.44	949.16
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	53,436.06	1,247.08
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	64,009.02	1,247.08
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	104,314.73	1,732.04
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	7,457.96	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,889.64	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	9,565.65	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,553.54	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	2,209.02	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,290.24	692.82
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,277.87	692.82
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	37,479.03	949.16
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,379.10	949.16
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	57,978.32	1,247.08
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	72,047.94	1,247.21
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	91,514.22	1,732.04
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,728.93	484.36
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,995.58	681.12
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	43,045.91	1,089.80
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	78,108.19	1,089.80
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,933.48	1,786.06
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	145,816.39	1,786.06
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,997.09	514.63
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,989.48	514.63
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,371.37	726.54
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,378.30	726.54

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,869.98	983.85
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	76,239.16	1,513.62
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	106,469.81	1,513.62
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	143,557.08	1,892.02
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,997.09	514.63
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,990.23	514.63
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,371.37	726.54
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,378.30	726.54
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,869.98	983.85
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	65,329.20	1,331.99
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	76,239.16	1,331.99
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	106,469.81	1,680.12
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	143,557.08	1,892.02
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,293.66	514.63
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,492.28	514.63
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,338.72	726.54
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,168.98	726.54
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	46,228.49	983.85
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,969.63	1,331.99
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	84,264.78	1,331.99
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	117,734.45	1,680.12
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	158,827.64	1,892.02
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,997.09	514.63
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,989.48	514.63
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,371.37	988.55
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,378.30	1,331.99
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,869.98	983.85
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	65,119.32	1,331.99
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	76,224.16	1,331.99
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,997.09	514.63
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,989.48	514.63
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,371.37	726.54
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,378.30	726.54
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,869.98	983.85
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	65,119.32	1,331.99
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	76,224.16	1,331.99
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,427.73	529.76
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,958.30	590.31
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,479.51	650.85
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,880.15	908.17
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	34,265.89	1,059.53
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	48,124.48	1,241.17
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,172.22	1,422.80
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	92,497.37	1,816.34
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	129,449.53	2,043.38
26 12 19 00-0102		**3 Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)*		
26 12 19 00-0103		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt** *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	37,067.32	1,999.75
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	46,835.69	2,142.59
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	62,323.99	2,713.95
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	81,502.04	3,428.14
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	121,505.53	3,856.66
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	152,338.80	5,142.21
26 12 19 00-0110		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 12 19)*		
26 12 19 00-0111		**Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0112		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0113	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,247.25	1,662.76
26 12 19 00-0114	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	63,329.36	1,662.76
26 12 19 00-0115	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,680.03	2,868.27
26 12 19 00-0116	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	85,840.41	2,868.27
26 12 19 00-0117	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	96,519.66	4,295.48
26 12 19 00-0118	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	131,505.96	5,681.12
26 12 19 00-0119	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	174,954.79	7,205.31
26 12 19 00-0120	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	202,585.08	8,729.52
26 12 19 00-0121		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0122	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,247.25	1,662.76
26 12 19 00-0123	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	63,329.36	1,662.76
26 12 19 00-0124	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,680.03	2,868.27
26 12 19 00-0125	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	86,245.87	2,868.27
26 12 19 00-0126	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	97,586.17	4,295.48
26 12 19 00-0127	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	131,758.31	5,681.12
26 12 19 00-0128	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	196,276.30	7,205.31
26 12 19 00-0129	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	207,142.02	8,729.52
26 12 19 00-0130		**Factory Modifications** *(26 12 19 00-0111)* Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0131	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	4,266.07	
26 12 19 00-0132	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	693.71	
26 12 19 00-0133	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,774.84	
26 12 19 00-0134	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,994.47	
26 12 19 00-0135	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	979.35	
26 12 19 00-0136	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	775.32	
26 12 19 00-0137		**Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)* Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0138	EA	Containment Area For 75 KVA	9,535.78	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,673.27*	
26 12 19 00-0139	EA	Containment Area For 112.5 KVA	9,535.78	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,673.27*	
26 12 19 00-0140	EA	Containment Area For 150 KVA	9,535.78	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,673.27*	
26 12 19 00-0141	EA	Containment Area For 225 KVA	9,535.78	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,673.27*	
26 12 19 00-0142	EA	Containment Area For 300 KVA	9,526.79	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,670.57*	
26 12 19 00-0143	EA	Containment Area For 500 KVA	9,526.79	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,670.57*	
26 12 19 00-0144	EA	Containment Area For 750 KVA	9,641.05	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,670.57*	
26 12 19 00-0145	EA	Containment Area For 1,000 KVA	11,297.79	2,509.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,670.57*	
26 12 19 00-0146		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0147	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,097.85	1,662.76
26 12 19 00-0148	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,546.23	1,662.76
26 12 19 00-0149	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,178.49	1,662.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0150	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	34,075.26	1,662.76
26 12 19 00-0151	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	36,007.95	2,494.15
26 12 19 00-0152	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	37,640.21	2,494.15
26 12 19 00-0153	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	57,227.29	2,494.15
26 12 19 00-0154	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	73,047.29	3,325.53
26 12 19 00-0155	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	94,266.64	3,325.53
26 12 19 00-0156		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)*		
		Note: Rated to 5 KVA.		
26 12 19 00-0157	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,913.98	1,662.76
26 12 19 00-0158	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,178.49	1,662.76
26 12 19 00-0159	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,994.62	1,662.76
26 12 19 00-0160	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,810.74	1,662.76
26 12 19 00-0161	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	36,007.95	2,494.15
26 12 19 00-0162	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	39,272.46	2,494.15
26 12 19 00-0163	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	57,227.29	2,494.15
26 12 19 00-0164	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	73,863.42	3,325.53
26 12 19 00-0165	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	94,266.64	3,325.53
26 12 19 00-0166		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 12 19 00-0110)*		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0167	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	89,809.39	2,199.73
26 12 19 00-0168	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	97,786.08	2,596.82
26 12 19 00-0169	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	109,377.91	3,173.89
26 12 19 00-0170	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	130,615.79	3,570.99
26 12 19 00-0171	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	161,628.05	3,758.81
26 12 19 00-0172	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	193,877.46	5,492.17
26 12 19 00-0173	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	228,655.43	6,213.51
26 12 19 00-0174	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	287,226.09	7,141.96
26 12 19 00-0175	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	318,502.04	7,499.07
26 12 19 00-0176	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	335,152.84	8,356.38
26 12 19 00-0177	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	386,419.66	8,927.74
26 12 19 00-0178		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 12 19 00-0110)*		
26 12 19 00-0179	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	164,869.61	6,175.09
26 12 19 00-0180	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	203,633.97	7,101.40
26 12 19 00-0181	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	232,458.53	7,475.10
26 12 19 00-0182	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	246,267.95	8,354.56
26 12 19 00-0183	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	277,254.23	8,607.72
26 12 19 00-0184		**Silicone Filled Distribution Transformers, 3 Phase** *(26 12 19 00-0110)*		
		Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0185	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	157,257.32	2,596.82
26 12 19 00-0186	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	168,130.77	3,173.89
26 12 19 00-0187	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	197,237.73	3,570.99
26 12 19 00-0188	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	240,053.61	3,758.81
26 12 19 00-0189	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	285,963.38	5,492.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0190	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	365,126.51	6,213.51
26 12 19 00-0191	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	444,872.95	7,141.96
26 12 19 00-0192	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	510,123.80	7,499.07

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	25,268.24	1,574.16
		For Weatherproofing, Add	*5,338.28*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,619.86	1,574.16
		For Weatherproofing, Add	*5,635.63*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,579.88	2,005.54
		For Weatherproofing, Add	*7,782.03*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	50,409.14	2,005.54
		For Weatherproofing, Add	*10,790.71*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	73,056.54	2,421.79
		For Weatherproofing, Add	*15,732.85*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	66,250.34	2,421.79
		For Weatherproofing, Add	*14,218.33*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	38,477.11	1,816.34
		For Weatherproofing, Add	*8,221.39*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,077.54	2,270.43
		For Weatherproofing, Add	*10,038.88*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	66,873.37	2,724.52
		For Weatherproofing, Add	*14,340.38*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,849.88	1,816.34
		For Weatherproofing, Add	*7,843.41*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	51,232.63	1,816.34
		For Weatherproofing, Add	*10,964.07*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	75,666.50	2,421.79
		For Weatherproofing, Add	*16,289.89*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	46,314.72	2,421.79
		For Weatherproofing, Add	*9,852.88*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	68,231.58	3,027.23
		For Weatherproofing, Add	*14,631.19*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	96,434.23	3,027.23
		For Weatherproofing, Add	*20,790.02*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	65,452.38	3,027.23
		For Weatherproofing, Add	*14,007.10*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	91,729.87	3,027.23
		For Weatherproofing, Add	*19,744.55*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	119,689.75	3,027.23
		For Weatherproofing, Add	*25,854.48*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,984.86	991.42
		For Weatherproofing, Add	*2,277.62*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,649.14	991.42
		For Weatherproofing, Add	*3,083.76*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,593.49	1,316.84
		For Weatherproofing, Add	*3,246.62*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,323.82	1,627.14
		For Weatherproofing, Add	*4,023.38*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	26,740.03	1,627.14
		For Weatherproofing, Add	*5,654.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0029		**7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,053.41	1,513.62
		For Weatherproofing, Add	*2,933.38*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,425.58	1,513.62
		For Weatherproofing, Add	*3,850.65*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	28,664.65	1,513.62
		For Weatherproofing, Add	*6,059.25*	
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,352.02	1,286.57
		For Weatherproofing, Add	*2,978.17*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,412.50	1,286.57
		For Weatherproofing, Add	*3,211.47*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	22,378.89	1,589.30
		For Weatherproofing, Add	*4,699.83*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,348.19	1,907.16
		For Weatherproofing, Add	*3,989.04*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	24,345.64	1,907.16
		For Weatherproofing, Add	*5,088.48*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	27,949.88	2,225.01
		For Weatherproofing, Add	*5,836.43*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	25,619.73	2,542.87
		For Weatherproofing, Add	*5,279.60*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	29,044.13	2,542.87
		For Weatherproofing, Add	*6,032.96*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	36,119.44	2,845.60
		For Weatherproofing, Add	*7,544.94*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,571.41	959.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*575.52*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	8,379.52	1,064.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*638.66*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	11,070.61	1,280.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*768.33*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,638.23	1,925.77
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,487.50	123.80
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,724.31	123.80
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	23,429.62	123.80
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	18,379.89	123.80
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	20,079.02	123.80
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	27,387.60	123.80
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,213.27	123.80
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,782.21	123.80
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	7,343.98	123.80
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	4,645.36	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,723.77	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,723.77	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0060	EA	Indicating Wattmeter	2,621.77	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0061	EA	Indicating Varmeter	3,119.98	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,902.14	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	3,379.23	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	8,961.62	123.80
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	1,119.46	123.80
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	5,929.32	123.80
26 13 19		**Medium-Voltage Vacuum Interrupter Switchgear** *(26 13)*		
26 13 19 00-0001		**Vacuum Circuit Breakers 13.8 KV** *(26 13 19)*		
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	96,013.48	1,892.02
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	105,888.03	2,391.51
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	120,156.61	2,391.51
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	110,324.70	1,892.02
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	124,394.69	1,892.02
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	141,734.85	2,225.01
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	145,948.32	2,542.87
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	160,089.76	2,542.87
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	174,832.43	2,860.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29		**Medium-Voltage Compartmentalized Switchgear** *(26 13)*		
26 13 29 00-0001		Substation Secondary Distribution Section *(26 13 29)*		
		Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002		Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*		
		Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	30,392.58	1,205.95
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	47,485.56	1,823.28
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	64,249.71	2,239.62
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	108,046.20	2,598.53
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	139,248.47	2,957.45
26 13 29 00-0008		Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*		
26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,430.43	366.09
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,519.77	366.09
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,308.95	538.37
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	29,248.39	538.37
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	49,054.60	789.61
26 13 29 00-0014		Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*		
		Note: No provisions for future breaker.		
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,765.43	409.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.96*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	13,553.88	409.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.65*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	17,523.83	631.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*394.81*	
26 13 29 00-0018		Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	6,082.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	4,680.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	15,336.37	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	15,336.37	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	20,360.09	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	26,441.42	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	11,290.35	141.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	31,274.22	2,090.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,254.42*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	6,822.50	123.80
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	8,053.45	123.80
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	4,310.23	61.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.14*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	33,271.91	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	4,098.70	61.90
26 18		**Medium-Voltage Circuit Protection Devices** *(26 10)*		
26 18 36		**Medium-Voltage Enclosed Fuses** *(26 18)*		
26 18 36 00-0001		Sectionalizing Switch *(26 18 36)*		
26 18 36 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*		
		Note: 15 KV - 25 KV.		
26 18 36 00-0003		Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*		
		Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	100,894.48	1,039.23
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	113,538.26	1,039.23
26 19		**High-Voltage Circuit Protection** *(26 10)*		
26 19 18		**Protection Devices** *(26 19)*		
26 19 18 00-0001		Primary Fuse Cutouts *(26 19 18)*		
		Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002		Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*		
		Note: Includes the fuse and cutout switch.		
26 19 18 00-0003		8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	843.08	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	994.44	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.04*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,145.29	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.30*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,167.98	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.46*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,167.98	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.46*	
26 19 18 00-0009		**17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	843.08	302.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0011		**17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	873.05	302.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0013		**Fuseholders** *(26 19 18 00-0002)*		
		Note: Including current limiting fuse.		
26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	716.77	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	868.13	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.04*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	1,018.98	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.30*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	727.15	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	878.51	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.04*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	716.77	302.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0020		**Accessories** *(26 19 18 00-0002)*		
26 19 18 00-0021	EA	Hot Line Clamp	106.60	34.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.70*	
26 19 18 00-0022	EA	Stirrup	116.12	34.06
26 19 18 00-0023		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,076.43	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,227.79	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.04*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,378.64	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.30*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,423.08	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.46*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,423.08	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.46*	
26 19 18 00-0030		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	1,076.43	302.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0032		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	1,076.43	302.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0034		**Fuseholders** *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	727.48	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	878.84	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.04*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	1,029.69	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*272.30*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	727.48	378.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0039		Pole Mounted Capacitors *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,940.30	305.15

26 19 80 Transmission and Distribution Accessories *(26 19)*

26 19 80 60 Structure Assemblies *(26 19 80)*

26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	618.27	287.59
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,033.21	484.36
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,177.03	378.40
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	672.40	196.77
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	853.13	272.45
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,492.19	544.91
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,170.77	408.68
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,139.81	817.35
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,431.89	923.31
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,328.37	454.09
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,127.40	484.36
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,117.52	983.85
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,614.38	590.31
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,007.88	423.82
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,894.85	862.77
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,489.61	438.95
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	648.24	287.59
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,076.02	484.36
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,322.61	378.40
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	723.78	196.77
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	925.91	257.32
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,637.77	544.91
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,277.81	408.68
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,358.17	817.35
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,727.32	923.31
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,473.95	454.09
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,183.06	484.36
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,173.18	983.85
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,725.70	590.31
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,063.54	408.68
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,950.51	862.77
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,600.93	529.76
26 19 80 60-0036		25 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,983.46	454.09
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,215.01	227.04
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,761.72	348.13
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,314.40	711.40
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,208.48	529.76
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,562.03	1,044.40
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,394.76	1,180.63
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,382.90	688.70
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,074.03	688.70
26 19 80 60-0046		50 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,664.65	620.58
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,450.27	317.86
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,835.43	499.49
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,448.20	1,014.13
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,643.96	756.81
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,078.12	1,513.62
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	6,009.63	1,680.12
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,064.63	817.35
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,086.58	946.02
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,975.29	893.04
26 19 80 60-0057		Overhead To Underground Conversion Structures *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0058		**5 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,353.09	3,027.23
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,353.09	3,027.23
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,353.09	3,027.23
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,353.09	3,027.23
26 19 80 60-0063		**15 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,554.55	3,027.23
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,554.55	3,027.23
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,554.55	3,027.23
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,554.55	3,027.23
26 19 80 60-0068		**25 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,774.32	3,027.23
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,774.32	3,027.23
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,774.32	3,027.23
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,774.32	3,027.23
26 19 80 60-0073		**Transformer Stations** *(26 19 80 60)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		**5 KV Station** *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	10,243.76	4,035.31
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,481.77	4,540.85
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	12,719.78	5,044.88
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	12,719.78	5,044.88
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	10,243.76	4,035.31
26 19 80 60-0080		**15 KV Stations** *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	10,555.12	4,034.16
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	11,793.14	4,540.85
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	13,031.15	5,044.88
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	13,031.15	5,044.88
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	10,555.12	4,035.31
26 19 80 60-0086		**25 KV Stations** *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,894.80	4,035.31
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	12,132.81	4,540.85
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	13,370.82	5,044.88
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	13,370.82	5,044.88
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,894.80	4,035.31

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0001		**Service Drop Cable And Weatherheads** *(26 21 13)*		
26 21 13 00-0002		**600 Volt Insulated Stranded Conductors** *(26 21 13 00-0001)*		
26 21 13 00-0003		**Aluminum Duplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.84	3.60
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.93	4.26
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.23	4.81
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.24	6.05
26 21 13 00-0008		**Aluminum Triplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.12	4.26
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.98	4.81
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.78	6.05
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	22.47	7.38
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.20	9.77
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	37.53	12.10
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	51.49	14.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0016		**Aluminum Quadruplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.03	4.81
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.77	6.05
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.00	7.76
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.35	9.77
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	33.84	10.81
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	39.44	12.10
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	46.26	14.42
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	59.40	15.94
26 21 13 00-0025		**Weatherproof Conduit Hubs** *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	63.15	23.84
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	72.08	27.10
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	84.01	30.35
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	117.62	40.64
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	129.56	43.89
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	168.95	50.94
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	224.39	57.44
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	291.48	67.74
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	512.15	135.48
26 21 13 00-0035		**Galvanized Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	71.89	23.84
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	82.55	27.10
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	94.78	30.35
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	127.42	40.64
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	144.90	43.89
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	193.03	50.94
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	335.81	57.44
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	381.34	67.74
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	617.56	135.48
26 21 13 00-0045		**Aluminum Clamp-On Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	69.21	23.84
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	78.04	27.10
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	88.69	30.21
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	117.77	40.64
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	131.87	43.89
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	155.81	50.94
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	266.00	57.44
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	346.24	67.74
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	485.01	101.61
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	575.78	135.48
26 21 13 00-0056		**Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	64.95	23.84
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	74.29	27.10
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	84.30	30.21
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	112.33	40.64
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	122.29	43.89
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	149.53	50.94
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	245.74	57.44
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	275.89	67.74
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	471.81	101.61
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	652.65	135.48
26 21 16		**Low-Voltage Underground Electrical Service Entrance** *(26 21)*		
26 21 16 00-0001		**Aluminum Triplex For Underground Service, Direct Burial** *(26 21 16)* Note: Excludes excavation and backfill.		
26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,109.75	1,345.46
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,882.30	1,424.61
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,002.36	1,513.62
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,381.45	1,513.62
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,350.19	1,614.57
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	11,124.72	1,862.96
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	13,596.16	2,421.79

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0001		**Single Phase General Purpose "Dry Type" Transformers** *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002		**480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)* Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,801.53	347.18
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,518.76	416.61
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,278.42	434.66
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,044.99	451.34
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,897.59	486.05
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,088.05	520.77
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*302.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*453.49*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,784.78	555.48
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*333.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*500.54*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,471.18	624.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*311.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*466.60*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,958.93	694.36
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*378.51*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*567.77*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,927.98	833.23
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*513.08*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*769.61*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,215.96	972.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*663.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*995.38*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,513.39	1,249.84
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,100.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,651.03*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,817.31	1,527.59
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,088.11*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,132.16*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,848.81	1,735.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,368.85*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,053.28*	
26 22 13 00-0017		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)* Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,003.50	416.61
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,452.76	433.97
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,122.04	451.34
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,727.24	486.05
26 22 13 00-0022		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)* Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,390.37	520.77
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,118.47	555.48
26 22 13 00-0025		**208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)* Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,476.84	312.46
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,684.97	347.18
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,244.62	381.89
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,620.55	416.61
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,969.64	434.66
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,439.67	451.34
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,513.07	486.05
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,300.49	520.77
26 22 13 00-0034		**1 Phase Mounting Brackets** *(26 22 13 00-0001)*		
26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	686.23	247.60
26 22 13 00-0036		**1 Phase Weathershields** *(26 22 13 00-0001)* Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	217.81	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2	277.64	
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2	331.08	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2	394.97	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2	534.37	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2	638.92	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2	784.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0044		**Packaged Power Supply** *(26 22 13 00-0001)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	4,070.16	433.97
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,646.96	451.34
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	5,039.29	486.05
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,320.30	520.77
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,984.67	555.48
26 22 13 00-0050		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,035.40	312.46
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,440.75	347.18
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,160.46	416.61
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,746.98	433.97
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,536.77	451.34
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,581.06	486.05
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,310.73	520.77
26 22 13 00-0058		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,112.35	520.77
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,615.01	555.48
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,163.78	590.20
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,246.48	624.93
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,023.64	659.64
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,320.21	694.36
26 22 13 00-0065		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		**Packaged Power Supply** *(26 22 13 00-0065)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	18,334.60	1,492.87
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*767.44*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,151.16*	
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	22,214.59	1,597.02
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*951.03*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,426.54*	
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	26,809.71	1,735.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,166.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,750.34*	
26 22 13 00-0070		**Drive Isolation Transformers** *(26 22 13 00-0065)* Note: Only use in step-up applications.		
26 22 13 00-0071		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,830.16	555.48
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,904.43	590.20
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,374.83	624.93
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,047.88	659.64
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,598.41	729.07
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,351.84	798.52
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,917.90	867.95
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,542.45	972.10
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	27,691.57	1,006.82
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	32,096.79	1,041.54
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,629.31	1,076.25
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,493.92	1,319.28
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	50,834.67	1,388.72
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	58,378.07	1,458.15
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	71,256.61	1,735.89
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	94,677.85	2,048.36
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	99,831.22	2,256.66
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	121,846.54	2,499.69
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	150,726.34	2,777.43
26 22 13 00-0091		**208V Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,375.76	555.48
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,552.09	590.20
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,042.89	624.93
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,848.47	659.64
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,419.95	729.07
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,186.13	763.79
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,014.61	902.66
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,743.60	972.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,998.58	1,006.82
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	33,624.49	1,041.54
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	42,587.79	1,076.25
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	47,675.26	1,319.28
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	53,280.79	1,388.72
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	61,201.07	1,458.15
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	74,706.87	1,735.89

26 22 13 00-0107 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,130.20	572.85
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,833.44	624.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	

26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	12,054.92	763.79
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*526.37*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*789.55*	
		For K4 Factor Rating, Add	*7,369.13*	
		For K13 Factor Rating, Add	*10,527.33*	
		For K20 Factor Rating, Add	*13,685.53*	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,678.82	833.23
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*650.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*975.93*	
		For K4 Factor Rating, Add	*9,108.65*	
		For K13 Factor Rating, Add	*13,012.36*	
		For K20 Factor Rating, Add	*16,916.07*	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,302.47	902.66
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*674.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,012.28*	
		For K4 Factor Rating, Add	*9,447.99*	
		For K13 Factor Rating, Add	*13,497.13*	
		For K20 Factor Rating, Add	*17,546.27*	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,391.78	972.10
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*922.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,383.57*	
		For K4 Factor Rating, Add	*12,913.31*	
		For K13 Factor Rating, Add	*18,447.58*	
		For K20 Factor Rating, Add	*23,981.85*	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,992.89	1,041.54
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*895.49*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,343.24*	
		For K4 Factor Rating, Add	*12,536.87*	
		For K13 Factor Rating, Add	*17,909.82*	
		For K20 Factor Rating, Add	*23,282.77*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,951.72	1,249.84
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,122.60*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,683.90*	
		For K4 Factor Rating, Add	*15,716.42*	
		For K13 Factor Rating, Add	*22,452.03*	
		For K20 Factor Rating, Add	*29,187.64*	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	32,720.67	1,388.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,497.16*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,245.74*	
		For K4 Factor Rating, Add	*20,960.27*	
		For K13 Factor Rating, Add	*29,943.24*	
		For K20 Factor Rating, Add	*38,926.21*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,843.98	1,735.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,068.61*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,102.91*	
		For K4 Factor Rating, Add	*28,960.53*	
		For K13 Factor Rating, Add	*41,372.19*	
		For K20 Factor Rating, Add	*53,783.85*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	54,610.53	2,152.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,515.28*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,772.91*	
		For K4 Factor Rating, Add	*35,213.86*	
		For K13 Factor Rating, Add	*50,305.51*	
		For K20 Factor Rating, Add	*65,397.16*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	78,941.38	2,638.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,683.21*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,524.82*	
		For K4 Factor Rating, Add	*51,564.98*	
		For K13 Factor Rating, Add	*73,664.26*	
		For K20 Factor Rating, Add	*95,763.54*	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	186,072.08	3,186.97
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*8,984.20*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,476.30*	
		For K4 Factor Rating, Add	*125,778.79*	
		For K13 Factor Rating, Add	*179,683.99*	
		For K20 Factor Rating, Add	*233,589.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	246,169.49	3,471.79
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*11,961.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*17,941.94*	
		For K4 Factor Rating, Add	*167,458.14*	
		For K13 Factor Rating, Add	*239,225.91*	
		For K20 Factor Rating, Add	*310,993.68*	
26 22 13 00-0123		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*		
26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,519.94	538.13
		For K4 Factor Rating, Add	*3,810.58*	
		For K13 Factor Rating, Add	*5,443.69*	
		For K20 Factor Rating, Add	*7,076.80*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,130.20	572.85
		For K4 Factor Rating, Add	*4,889.16*	
		For K13 Factor Rating, Add	*6,984.51*	
		For K20 Factor Rating, Add	*9,079.86*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,833.44	624.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	
		For K4 Factor Rating, Add	*6,708.52*	
		For K13 Factor Rating, Add	*9,583.60*	
		For K20 Factor Rating, Add	*12,458.68*	
26 22 13 00-0127		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0065)*		
26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,566.79	763.79
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,001.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,502.94*	
		For K4 Factor Rating, Add	*14,027.44*	
		For K13 Factor Rating, Add	*20,039.20*	
		For K20 Factor Rating, Add	*26,050.96*	
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,104.98	902.66
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,114.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,672.47*	
		For K4 Factor Rating, Add	*15,609.75*	
		For K13 Factor Rating, Add	*22,299.64*	
		For K20 Factor Rating, Add	*28,989.53*	
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	35,998.17	1,041.54
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,695.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,543.63*	
		For K4 Factor Rating, Add	*23,740.57*	
		For K13 Factor Rating, Add	*33,915.10*	
		For K20 Factor Rating, Add	*44,089.63*	
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	45,278.78	1,249.84
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,138.95*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,208.43*	
		For K4 Factor Rating, Add	*29,945.36*	
		For K13 Factor Rating, Add	*42,779.09*	
		For K20 Factor Rating, Add	*55,612.82*	
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	54,708.34	1,388.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,596.55*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,894.82*	
		For K4 Factor Rating, Add	*36,351.64*	
		For K13 Factor Rating, Add	*51,930.91*	
		For K20 Factor Rating, Add	*67,510.18*	
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,192.94	1,735.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,336.06*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,004.09*	
		For K4 Factor Rating, Add	*46,704.81*	
		For K13 Factor Rating, Add	*66,721.15*	
		For K20 Factor Rating, Add	*86,737.50*	
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	85,283.04	2,152.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*4,048.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*6,073.35*	
		For K4 Factor Rating, Add	*56,684.61*	
		For K13 Factor Rating, Add	*80,978.02*	
		For K20 Factor Rating, Add	*105,271.43*	
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	138,279.17	2,638.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,650.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*9,975.15*	
		For K4 Factor Rating, Add	*93,101.44*	
		For K13 Factor Rating, Add	*133,002.05*	
		For K20 Factor Rating, Add	*172,902.67*	
26 22 13 00-0136		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*		
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0136)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	10,063.03	624.93
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	15,488.15	763.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	23,063.66	902.66
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	29,640.15	1,041.54
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	45,007.86	1,249.84
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	54,945.39	1,388.72
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	63,716.39	1,735.89
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	102,122.06	2,152.51
26 22 13 00-0146		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0136)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	11,832.43	624.93
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	18,281.95	763.79
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	27,313.62	902.66
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	35,143.10	1,041.54
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	53,507.80	1,249.84
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	65,384.06	1,388.72
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	75,763.61	1,735.89
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	121,687.16	2,152.51
26 22 13 00-0155		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*		
26 22 13 00-0156		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0157		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,666.72	623.53
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,473.43	762.10
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,384.98	900.66
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,156.32	1,039.23
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,512.03	1,247.08
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,761.02	1,385.64
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,547.60	1,732.04
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,760.58	2,147.74
26 22 13 00-0166		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,394.72	623.53
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,355.26	762.10
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,460.32	900.66
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,679.92	1,039.23
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,084.63	1,247.08
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,457.95	1,385.64
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,172.89	1,732.04
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	27,000.11	2,147.74
26 22 13 00-0175		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,119.78	623.53
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,239.54	762.10
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,535.67	900.66
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,201.08	1,039.23
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,068.74	1,247.08
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,154.87	1,385.64
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,798.19	1,732.04
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	32,239.64	2,147.74

26 22 13 00-0184 Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*

Note: Two taps at 2.5%, four at -2.5%.

26 22 13 00-0185 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*

26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,877.27	623.53
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,945.60	762.10
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,175.58	900.66
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,694.02	1,039.23
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,098.13	1,247.08
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,348.98	1,385.64
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,713.05	1,732.04
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,674.39	2,147.74

26 22 13 00-0194 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*

26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,602.33	623.53
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,829.88	762.10
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,250.93	900.66
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,217.64	1,039.23
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,958.58	1,247.08
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,311.71	1,385.64
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,190.19	1,732.04
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,347.56	2,147.74

26 22 13 00-0203 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*

26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,329.84	623.53
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,714.15	762.10
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,326.26	900.66
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,738.78	1,039.23
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,059.69	1,247.08
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,811.49	1,385.64
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,664.87	1,732.04
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	48,073.36	2,147.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0212		**3 Phase Weathershields** *(26 22 13 00-0065)* Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,328.17	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0216		**Three Phase Mounting Brackets** *(26 22 13 00-0065)*		
26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,738.02	247.60
26 22 13 00-0218		**Foam Core Poly Transformer Pads** *(26 22 13)*		
26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads. Note: Excludes site prep.	591.82	46.32

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		**Fusible Switch Type 240 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0002		**Incoming Service Section Main Device Only** *(26 24 13 00-0001)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,337.23	1,185.03
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,781.11	1,253.44
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,511.45	1,421.84
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,088.86	1,524.26
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,692.87	1,625.19
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,123.14	1,728.02
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,163.97	1,185.03
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,523.46	1,253.44
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,978.78	1,423.06
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,135.34	1,524.26
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,692.87	1,626.82
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,123.14	1,728.02
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,877.45	1,806.60
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	19,099.30	1,935.43
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	22,472.55	2,086.36
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,031.04	1,049.95
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,331.68	1,117.83
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,818.54	1,286.77
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,103.40	1,340.83
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,354.20	1,389.19
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,758.63	1,489.44
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,142.17	1,591.59
26 24 13 00-0025		**Branch Breaker Units** *(26 24 13 00-0001)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	350.96	41.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.80*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	515.76	65.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.02*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,365.67	118.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.12*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,405.08	154.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.67*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,320.39	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	6,837.50	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	11,106.89	676.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*405.62*	
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,121.33	1,537.67
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,809.88	1,537.67
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	9,868.00	1,998.30
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,142.57	1,998.30
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,897.47	1,049.95
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,321.73	1,117.83
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,472.57	1,286.77
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,028.94	1,388.11
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,682.28	1,049.95
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,841.04	1,117.83
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,102.57	1,286.77
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,474.53	1,388.11
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	13,445.88	1,557.99
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,791.37	914.34
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,113.30	982.34
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,654.10	1,151.29
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,921.56	1,205.35
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,178.91	1,253.44
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,527.98	1,340.83
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,867.86	1,421.84
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,040.98	1,761.21
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,747.98	1,930.56
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,873.91	2,082.97
26 24 13 00-0060		**Branch Breaker Units** *(26 24 13 00-0039)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	193.55	35.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.54*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	308.38	59.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.77*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	904.49	83.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.99*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,553.41	107.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.22*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,054.89	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.47*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	5,725.13	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.47*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	9,464.46	497.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*298.76*	
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,338.89	1,185.03
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,779.26	1,253.44
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,509.06	1,421.84
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,086.11	1,524.26
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,686.62	1,625.19
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,123.14	1,728.02
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,165.63	1,185.03
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,521.61	1,253.44
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,978.78	1,423.06
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,132.59	1,524.26
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,689.75	1,626.82
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,123.14	1,728.02
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,161.29	1,049.95
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,515.11	1,117.83
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,092.98	1,286.77
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,388.80	1,340.83
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,673.41	1,389.19
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,066.64	1,489.44
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,465.54	1,591.59
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,460.35	1,808.63
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,124.99	1,935.30
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,341.90	2,079.58
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	350.96	41.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.80*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	515.76	65.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.02*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,365.67	118.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.12*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,405.08	154.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,320.39	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,837.50	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	11,106.89	676.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*405.62*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,655.17	1,625.19
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,187.81	1,728.02
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,618.42	1,928.79
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,406.10	2,065.23
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,058.77	1,625.19
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,333.77	1,728.02
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,566.42	1,930.97
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,214.45	2,065.23
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,840.54	2,202.19
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,345.18	2,339.02
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,161.29	1,049.95
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,515.11	1,117.83
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,092.98	1,286.77
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,388.80	1,340.83
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,673.41	1,389.19
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,066.64	1,489.44
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,465.54	1,591.59

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	711.51	41.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.80*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	825.99	65.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.02*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,498.15	118.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.12*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,405.08	154.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.67*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,765.92	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,895.05	379.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.57*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	9,481.93	676.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*405.62*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	754.64	106.35
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	752.13	106.35
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	752.13	106.35
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,171.42	140.22
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,171.42	140.22
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	857.36	104.32
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,233.96	104.32
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,176.06	281.11

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	961.49	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	958.98	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	958.98	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,437.84	160.54
		For Electrical Interlock Kit, Add	*293.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,437.84	160.54
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,035.53	117.87
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,649.45	117.87
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,232.90	314.71
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,029.13	403.19
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	11,152.86	546.25
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,341.65	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,339.11	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,341.65	119.90
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,011.44	160.54
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,053.89	160.54
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,328.75	209.99
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,444.98	117.87
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,169.26	117.87
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,287.29	314.71
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,428.22	403.19
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	11,152.86	546.25
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,025.96	1,246.40
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,578.47	1,246.40
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,985.82	1,585.09
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,423.49	1,585.09
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,424.25	1,442.84
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,959.47	1,442.84
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,423.49	1,788.30
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,816.67	1,788.30
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,040.73	1,761.21
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,590.73	1,761.21
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,085.47	2,167.64
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,661.49	2,167.64
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,897.91	1,930.56
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,566.33	1,930.56
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,157.94	2,384.40
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,659.70	2,384.40
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,149.08	1,937.33
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,876.49	2,181.19
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,984.24	2,181.19
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,250.10	2,303.12
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,900.94	2,181.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,007.09	2,181.19
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,272.95	2,303.12
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,074.64	2,303.12
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,272.95	2,303.12
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,368.94	2,303.12
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	607.44	162.57
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	685.67	162.57
26 24 13 00-0201	EA	Cable Supports In Pull Box	236.08	40.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.58*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	598.82	189.67
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,014.46	243.86
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,014.46	243.86
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	767.65	189.67
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,084.52	277.73
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,243.49	277.73
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,310.76	359.01
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,392.73	359.01
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,720.40	1,128.94
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,166.57	1,227.16
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,490.69	1,568.02
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,096.99	1,710.54
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,567.52	1,820.95
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,478.06	990.34
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,266.31	940.76
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,610.57	1,020.15
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	10,219.10	1,128.94
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	10,948.06	1,131.92
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	12,008.43	1,263.74
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	189.30	67.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.37*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	229.99	68.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.87*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	986.21	81.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.29*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,616.47	175.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.62*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	660.53	244.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,778.49	141.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.29*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,448.11	587.97
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,466.25	795.12
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,918.19	967.72
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,993.71	1,354.78
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,193.80	1,693.47
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,759.18	1,693.47
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,409.52	2,258.01
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,493.60	2,258.01
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,176.49	2,688.01
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,171.29	2,688.01
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,342.41	1,422.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*851.70*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	15,137.47	2,370.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,421.09*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	33,559.28	3,983.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,368.49*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	54,141.04	6,448.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,938.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,714.71	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	350.60	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	459.96	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	331.30	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	9,710.65	1,490.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*898.39*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	17,928.05	2,506.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,496.44*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	37,592.21	4,132.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,490.40*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	58,261.93	6,773.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,164.27*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	6,706.35	1,300.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*781.60*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,188.84	2,181.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,302.67*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	18,219.74	3,657.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,171.12*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	31,360.10	5,893.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,615.95*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	51,115.51	9,618.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6,012.32*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	7,798.55	1,246.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*745.48*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	14,458.98	2,086.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,242.15*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	20,784.81	3,468.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,073.64*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	34,325.07	5,649.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,456.06*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	53,912.84	9,686.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,773.20*	
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,055.18	1,138.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*655.54*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,311.51	1,138.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*713.04*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,776.47	1,354.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*781.60*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,625.61	1,354.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*846.74*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,139.76	1,625.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*927.93*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	12,853.49	1,625.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,026.35*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	347.38	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	80.41	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	587.03	98.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.90*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	697.89	130.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.16*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	1,949.90	196.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.74*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,572.43	246.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.69*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,125.72	330.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*198.07*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,784.26	423.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.02*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,073.26	645.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*387.08*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,073.26	645.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*387.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	8,517.49	903.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*541.91*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	10,714.10	1,354.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*812.87*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,843.07	587.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.81*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,954.86	643.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.34*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,602.44	967.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*580.62*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	12,890.24	1,354.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*812.87*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,177.97	1,498.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*899.19*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	17,664.92	2,688.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,612.83*	
26 24 13 00-0295		**Branch Or Distribution Devices** *(26 24 13)*		
26 24 13 00-0296		**3 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	687.83	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	694.65	60.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,671.57	73.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,423.92	94.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,417.43	117.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.04*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,476.00	136.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.45*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,832.79	154.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.23*	
26 24 13 00-0304		**2 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	473.94	36.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	608.93	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,665.66	60.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,639.06	67.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.71*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,788.79	88.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.93*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,320.46	128.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.35*	
26 24 13 00-0311		**Meter Devices And Instrumentation** *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		**Compartments For Instrument Transformers And Metering Devices** *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	419.75	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	606.31	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	714.06	
26 24 13 00-0316		**Instruments** *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	572.53	
26 24 13 00-0318	EA	AC Ammeter	572.53	
26 24 13 00-0319	EA	AC Wattmeter	1,529.44	
26 24 13 00-0320	EA	Variometer	1,727.25	
26 24 13 00-0321	EA	Power Factor Meter	1,379.87	
26 24 13 00-0322	EA	Frequency Meter	1,523.00	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	514.64	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,937.93	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,242.21	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,243.49	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	79.29	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	3,910.93	

26 24 16 Panelboards *(26 24)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0001		**Branch Circuit Panelboard** *(26 24 16)* Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		**Assembled Lighting And Power Panelboards** *(26 24 16 00-0001)* Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		**120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,315.21	386.12
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,502.92	386.12
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,713.26	535.14
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,924.19	535.14
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,124.29	670.62
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,329.53	670.62
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,527.38	772.22
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,046.39	988.98
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,213.86	988.98
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,375.14	1,131.24
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,633.40	1,131.24
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,790.88	1,273.49
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,028.40	1,273.49
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,177.96	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,411.01	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,630.00	1,557.99
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,777.27	1,557.99
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,002.78	1,557.99
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0022		**120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,530.23	372.57
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,720.88	372.57
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,170.14	636.75
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,457.72	636.75
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,661.71	779.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,874.93	779.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,063.33	934.79
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,698.15	934.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,867.67	1,144.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,052.56	1,144.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,255.88	1,287.04
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,419.11	1,287.04
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,593.71	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,781.45	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,984.45	1,666.37
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,205.34	1,666.37
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,447.37	1,666.37
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,594.90	1,761.21
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,580.31	440.31
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,780.82	440.31
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,006.98	589.33
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,242.61	589.33
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,455.08	724.81
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,682.71	724.81
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,896.10	860.28
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,120.78	860.28
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,325.14	1,009.30
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,560.41	1,009.30
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,803.99	1,165.11
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,039.21	1,165.11
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,521.21	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,689.51	1,408.97
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,961.68	1,564.77
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,214.82	1,564.77
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,388.47	1,707.02
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,647.71	1,707.02
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,415.36	1,514.64
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,600.78	1,591.86
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,886.35	1,676.53
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,160.26	1,774.75
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,346.11	1,828.95
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,654.86	1,940.72
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,844.58	426.76
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,047.85	426.76
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,286.15	562.23
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,604.28	562.23
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,118.22	846.73
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,324.83	846.73
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,550.65	988.98
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,741.51	988.98
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,993.59	1,144.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,171.34	1,144.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,446.30	1,287.04
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,678.71	1,287.04
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,477.56	1,490.25
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,726.37	1,571.54
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,835.92	1,571.54
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,117.16	1,774.75
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,307.82	1,774.75
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,441.57	1,774.75
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,400.04	1,632.50
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,673.79	1,727.34
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,787.46	1,774.75
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,092.07	1,883.14
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,282.02	1,937.33
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,467.70	2,005.07
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0091		480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,760.10	433.53
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,021.51	433.53
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,271.29	596.10
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,532.66	596.10
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,775.08	745.13
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,031.59	745.13
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,300.15	900.92
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,544.60	900.92
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,815.36	1,070.27
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,076.07	1,070.27
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,314.13	1,219.30
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,570.62	1,219.30
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,127.71	1,483.48
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,383.89	1,483.48
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,657.95	1,625.73
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	5,852.52	1,625.73
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,159.77	1,795.07
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,373.27	1,795.07
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,225.90	460.63
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,480.88	501.27
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,738.90	623.20
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,299.06	758.67
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,547.83	839.96
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,772.81	907.70
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,022.81	988.98
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,262.62	1,070.27
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,480.30	1,138.02
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,715.32	1,205.75
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,971.30	1,287.04
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,252.95	1,388.65
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,530.18	1,544.44
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,799.41	1,639.28
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,984.97	1,679.92
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,290.24	1,788.30
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,496.39	1,856.05
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,710.92	1,914.30
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,123.00	474.18
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,410.51	474.18
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,689.80	629.97
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,971.61	629.97
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,258.51	779.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,538.83	779.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,824.28	934.79
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,108.37	934.79
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,421.62	1,097.37
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,679.05	1,097.37
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,952.79	1,104.15
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,246.18	1,104.15
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,985.39	1,530.90
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,285.04	1,530.90
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,509.26	1,612.18
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,839.35	1,720.56
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,080.86	1,720.56
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,450.66	1,883.14
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0148		**277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,745.81	582.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,040.86	582.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,323.62	772.22
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,963.32	772.22
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,239.24	975.44
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,514.66	975.44
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,779.91	1,117.70
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,023.00	1,117.70
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,283.45	1,273.49
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,564.84	1,273.49
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,803.09	1,408.97
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,054.49	1,408.97
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,807.73	1,666.37
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,117.64	1,666.37
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,338.96	1,822.18
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,688.58	1,822.18
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,932.76	1,991.52
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,186.20	1,991.52
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	10,836.11	2,217.77
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	13,176.26	2,662.14
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	657.32
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	759.02
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,045.44
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,209.09
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,370.48
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,538.04
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,671.96
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,833.47
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,037.35
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,172.17
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,379.09
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	981.26
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,116.31
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,797.71
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,001.47
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,195.26
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,738.05	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,978.13	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,191.91	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0192		**Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** *(26 24 16 00-0170)*		
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,298.60	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,392.97	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,664.12	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,824.71	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,974.50	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,260.55	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,386.53	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,540.70	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,800.77	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,930.80	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,126.27	
26 24 16 00-0204		**Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** *(26 24 16 00-0170)*		
26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,615.21	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,742.32	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,534.87	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,723.98	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,906.78	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,434.29	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,667.05	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,878.99	
26 24 16 00-0213		**240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214		**Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	743.06	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	875.97	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	990.10	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,129.47	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,301.55	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,443.48	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,665.75	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,797.49	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,944.29	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,178.46	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,399.32	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,824.02	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,148.28	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,296.64	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,505.74	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,211.92	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,397.79	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,577.87	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,542.35	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,767.94	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,954.05	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,384.34	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,509.91	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,616.11	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,748.15	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,917.17	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,047.50	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,388.25	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,512.06	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,651.53	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,941.88	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,148.69	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,573.40	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,782.23	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,922.65	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,127.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,949.08	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,120.30	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,289.38	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,878.89	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,110.83	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,307.70	

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,049.69	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,156.96	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,605.81	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,794.47	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,958.09	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,969.22	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,080.27	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,262.89	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,437.48	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,613.32	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,857.44	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,124.29	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,191.11	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,380.67	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,514.13	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,790.81	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,624.19	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,791.20	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,008.99	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,163.63	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,402.59	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,615.97	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*			
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,668.98	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		1,776.25	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,210.44	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,505.37	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,656.77	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,667.90	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,760.63	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,916.99	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,152.65	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,313.59	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,525.76	
26 24 16 00-0297		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*			
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,875.50	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,942.32	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		2,990.80	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,118.76	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		3,501.71	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		4,322.87	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		4,471.56	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		4,663.09	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		4,817.73	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		5,039.99	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard		5,250.90	
26 24 16 00-0309		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*			
		Note: As manufactured by Square D or equal.			
26 24 16 00-0310		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*			
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,091.22	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,199.10	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,390.13	
		For Door-In-Door (Hinged) Trim Front, Add		*130.20*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,666.92	
		For Door-In-Door (Hinged) Trim Front, Add		*130.20*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,856.96	
		For Door-In-Door (Hinged) Trim Front, Add		*222.37*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,019.40	
		For Door-In-Door (Hinged) Trim Front, Add		*284.20*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,049.90	
		For Door-In-Door (Hinged) Trim Front, Add		*130.20*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,180.43	
		For Door-In-Door (Hinged) Trim Front, Add		*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,361.62	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,536.35	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,713.24	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,958.38	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,338.05	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,405.48	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,608.56	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,674.52	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,808.46	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,084.50	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,968.78	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,137.79	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,353.29	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,576.53	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,817.68	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,031.03	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,710.51	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,818.39	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,000.26	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,271.55	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,567.86	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,718.09	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,750.42	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,860.79	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,015.72	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,251.53	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,413.14	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,625.31	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,942.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,010.11	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,319.46	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,284.65	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,413.09	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,795.40	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,667.46	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,818.15	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,007.39	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,230.63	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,454.68	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,664.98	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,948.38	402.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.79*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,254.48	402.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.72*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,485.01	402.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.72*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,914.04	661.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*396.96*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,092.46	661.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*396.96*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,288.26	661.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*396.96*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,617.35	879.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*527.66*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,790.10	882.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*529.27*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,858.93	879.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*527.66*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,425.01	879.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*527.66*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,836.75	1,323.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*793.91*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,222.02	1,323.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*793.91*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,537.03	1,323.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*793.91*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,921.52	1,323.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*793.91*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,620.97	411.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.89*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,724.70	466.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.05*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,947.34	466.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,602.62	466.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.05*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,368.62	765.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*459.08*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,737.44	767.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.30*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,039.70	765.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*459.08*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,338.39	1,022.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*613.73*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,772.51	1,019.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*611.57*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,206.73	1,019.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*611.57*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	174.10	67.74
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	599.30	270.95
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	897.79	386.79
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,914.18	813.00
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,090.40	880.60

26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	235.50	74.51
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	403.22	81.29

26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	239.04	74.51
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	265.97	81.29
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	968.57	386.79
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,198.10	880.60

26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.

26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	289.35	74.51
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,111.28	813.00

26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,249.60	813.00
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,441.21	880.60
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,963.42	1,354.78

26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.

26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,143.25	813.00
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,426.40	880.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	8,715.35	1,354.78
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,349.61	813.00
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,612.00	880.60
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,309.11	813.00
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,444.40	880.60
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	898.25	386.79
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,086.77	451.82
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	915.18	386.79
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,091.38	451.82
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,564.50	602.20
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,850.22	722.77
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,118.45	833.86
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,328.55	902.69
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,486.58	1,354.78
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,624.51	602.20
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,907.15	722.77
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,175.38	833.86
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,382.40	902.69
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,663.52	1,354.78
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,233.83	1,505.30
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,418.47	1,505.30
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,172.93	451.82
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,750.21	677.39
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,223.71	451.82
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,796.37	677.39
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,206.16	833.86
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,406.44	903.23
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,937.65	1,084.23
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,548.12	1,354.78
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,260.01	833.86
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,467.03	902.69
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,143.99	1,083.41
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,755.84	1,354.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,279.99	1,505.30
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,464.63	1,505.30
26 24 16 00-0455		**Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,166.78	451.82
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,728.67	677.39
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,976.39	722.77
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,268.52	834.27
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,491.07	903.23
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,301.33	1,204.39
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,991.78	722.77
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,298.47	833.86
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,497.80	902.69
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,216.71	1,204.39
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,818.64	1,505.30
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,126.37	1,505.30
26 24 16 00-0468		**Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,921.89	903.23
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,040.49	1,354.78
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,013.25	902.69
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,132.81	1,354.78
26 24 16 00-0473		**Panel Mounted Accessories And Fuseholders** *(26 24 16 00-0001)*		
26 24 16 00-0474		**Midget Finger-Safe Fuse Holders** *(26 24 16 00-0473)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	85.24	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	99.94	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	137.21	36.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	175.60	36.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	201.08	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	252.07	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	294.72	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	238.18	48.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	253.20	60.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	309.20	60.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	99.99	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	107.81	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	101.43	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 24 16 00-0488		**Removal And Reinstallation Of Panelboards** *(26 24 16 00-0001)*		
		Note: Includes storage, cleaning and supply materials.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,699.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*508.04*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	89.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.42*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	6.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.27*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,596.84	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,073.67	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,567.84	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,271.46	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,644.09	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,995.59	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,596.84	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,073.67	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,567.84	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,271.46	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,644.09	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,995.59	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,756.72	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	5,002.71	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,165.27	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,527.62	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,642.82	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	42,459.65	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,756.72	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	5,002.71	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,165.27	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,527.62	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,642.82	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	42,459.65	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,576.13	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,286.64	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,245.49	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,505.03	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	27,327.95	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,576.13	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,286.64	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,245.49	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,505.03	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	27,327.95	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,272.92	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,840.97	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,728.46	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	20,143.00	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,887.58	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,272.92	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,840.97	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,728.46	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	20,143.00	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,887.58	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,791.82	129.99
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,922.83	142.37
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	20,086.48	160.94
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	31,063.92	185.70
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	53,134.45	247.60
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,791.82	129.99
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,922.83	142.37
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	20,086.48	160.94
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	31,063.92	185.70
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	53,134.45	247.60
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,335.46	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,888.97	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	12,094.05	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,597.39	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	28,292.74	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,335.46	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,888.97	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	12,094.05	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,597.39	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	28,292.74	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,961.45	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	23,301.27	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,732.06	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,948.16	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	53,113.27	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	72,075.65	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,961.45	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	23,301.27	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,732.06	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,948.16	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,113.27	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	72,075.65	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0092		**Combination Starters With Current Limiting Circuit Breakers** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,469.21	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,946.04	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,093.86	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,217.84	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,069.66	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,706.36	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,469.21	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,946.04	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,093.86	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,217.84	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,069.66	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,706.36	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,621.71	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,857.87	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,656.90	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,434.69	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,999.58	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,621.71	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,857.87	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,656.90	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,434.69	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,999.58	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,426.38	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,124.61	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,712.54	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,377.69	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,657.69	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,426.38	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,124.61	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,712.54	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,377.69	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,657.69	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,246.97	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,800.34	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,336.68	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	23,142.19	241.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.84*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	38,349.06	284.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.85*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,246.97	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,800.34	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,336.68	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	23,142.19	241.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.84*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	38,349.06	284.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.85*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,617.49	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,869.06	142.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.42*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,430.96	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	35,489.64	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	58,385.85	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,617.49	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,869.06	142.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.42*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,430.96	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	35,489.64	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	58,385.85	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,185.71	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,722.02	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,551.27	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,983.64	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	35,374.87	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,185.71	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,722.02	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,551.27	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,983.64	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	35,374.87	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,666.72	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,999.16	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	26,405.38	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	39,505.98	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	53,545.77	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	75,041.69	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,666.78	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.58*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,999.16	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	26,405.38	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	39,505.98	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	53,545.77	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	75,041.69	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0181		**Combination Starters With Fusible Switch** *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,311.79	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,184.26	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,359.11	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,443.63	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,322.03	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	27,319.82	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0189		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,311.79	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,184.26	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,359.11	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,443.63	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,322.03	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	27,319.82	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0196		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,724.77	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,543.33	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,860.86	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,434.54	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,200.20	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,729.22	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,724.77	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,543.33	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,860.86	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,434.54	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,200.20	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,729.22	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,369.71	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,001.59	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,429.79	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,824.49	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,789.79	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	

26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,369.71	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,001.59	210.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.27*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,429.79	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.70*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,824.49	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,789.79	297.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.28*	

26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,973.12	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,575.57	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,900.47	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,956.54	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	

26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,973.12	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,575.57	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,900.47	136.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.71*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,956.54	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	

26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Auto-transformer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,523.97	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,271.92	142.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.42*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,101.52	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,505.95	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,561.44	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,523.97	129.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.00*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,271.92	142.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.42*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,101.52	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,505.95	185.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.42*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,561.44	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,367.40	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,100.30	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,288.04	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,472.36	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,367.40	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,100.30	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,288.04	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,472.36	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,958.99	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,301.27	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,732.06	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,948.16	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,113.27	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	72,075.65	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,958.99	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.56*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,301.27	198.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.85*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,732.06	229.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,948.16	253.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.27*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,113.27	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	72,075.65	396.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.71*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	199.15
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	383.35
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	547.99
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	137.61
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	194.13
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	326.83
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	81.09
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	68.81
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	147.29
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	182.10
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	356.18
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	182.10
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	208.88
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	251.73
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	297.26
26 24 19 00-0285	EA	Blank Devices Panel	56.24
26 24 19 00-0286	EA	Oversize Or Special Color Starter	88.37
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	773.59
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	701.29
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	1,044.42
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	88.37
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	125.87
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	88.37
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	125.87
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	125.87
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	182.10
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	452.58
26 24 19 00-0297	EA	Heater Module	84.26
26 24 19 00-0298	EA	LAM - Long Acceleration Module	523.41
26 24 19 00-0299	EA	JAM - Jam Protection Module	600.00
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,138.73
26 24 19 00-0301	EA	ULM - Underload Module	546.38
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	120.00
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	224.68
26 24 19 00-0304	EA	Type SIS Control Wire	94.47
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	120.00
26 24 19 00-0306	EA	Ring Terminals Power	120.00
26 24 19 00-0307	EA	14 Gauge Control Wire	94.47
26 24 19 00-0308	EA	Wiring Diagram On Door	71.49
26 24 19 00-0309	EA	Special Color Or Type Control Wire	86.81
26 24 19 00-0310	EA	Current Transformer 12.5 VA	681.70
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,177.88
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,451.07

26 24 19 00-0313 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	700.96
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	826.09
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	963.60
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	1,070.48
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	937.55
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,443.11
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	3,074.99
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	862.28
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,466.78
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	2,053.04
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	200.74
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,871.50
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,125.97
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,125.97
26 24 19 00-0328	EA	Teleductor, Control Relays	1,512.40
26 24 19 00-0329	EA	Current Transducer, Control Relays	4,067.30
26 24 19 00-0330	EA	Watt Transducer, Control Relays	8,134.59
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	276.02
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	412.89
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	465.36
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	517.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	465.36	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	517.82	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	545.20	
26 24 19 00-0338		**Circuit Breaker Modifications/Accessories** *(26 24 19 00-0268)*		
26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	778.12	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	268.77	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	966.69	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	4,456.32	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	2,581.46	
26 24 19 00-0344		**Incoming Line And Feeder Circuit Breakers** *(26 24 19 00-0268)*		
26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,880.20	80.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,260.36	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,152.25	80.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,529.74	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,825.89	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,581.08	160.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.58*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,828.58	173.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.01*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,689.50	222.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.65*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	9,028.47	340.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.34*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	12,779.45	513.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*308.51*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	28,111.27	680.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.19*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	42,040.31	854.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*512.05*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	70,231.55	990.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*594.75*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,263.16	80.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,632.60	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,263.16	80.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,632.60	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,861.93	80.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.28*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	5,284.93	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,565.02	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,447.82	123.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,728.54	340.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.34*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,728.54	340.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.34*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	11,775.87	371.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.74*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	14,711.53	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.87*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	16,925.01	513.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*308.51*	
26 24 19 00-0371		**Incoming Line And Feeder Fusible Switches** *(26 24 19 00-0268)*		
26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,050.16	123.80
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,171.01	123.80
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	3,249.95	154.75
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	5,296.34	185.70
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	10,462.21	235.22
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	14,678.54	309.50
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	35,758.15	414.73
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	40,325.42	575.67
26 24 19 00-0380		**Dry Type Distribution Transformers** *(26 24 19 00-0268)*		
26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,826.40	
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,885.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,946.91	
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	2,233.46	
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,420.92	
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,739.58	
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	3,293.95	
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,711.72	
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	8,628.54	
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,579.39	
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	6,344.20	
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	9,887.21	
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	9,156.11	
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	12,688.40	
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	13,097.90	
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	18,143.02	
26 24 19 00-0397		**Metering Equipment** *(26 24 19 00-0268)*		
26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	862.32	
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,885.32	
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	776.62	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,885.32	
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	1,047.10	
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	1,111.37	
26 24 19 00-0404	EA	Add For Additional Circuits	140.43	
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,888.47	
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	4,073.25	
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,591.21	
26 24 19 00-0408	EA	Add For Demand Attachment	919.15	
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	1,073.88	
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,853.18	
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	2,158.47	
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,799.62	
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,936.20	
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,480.94	
26 24 19 00-0415		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	33,054.66	
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	48,137.20	
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	63,254.56	
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	96,285.11	
26 24 19 00-0420		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	533.25	
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	533.25	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	737.21	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,349.10	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	737.21	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	941.17	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	941.17	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,346.64	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	941.17	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,346.64	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,145.13	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,713.08	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,145.13	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,346.64	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,713.08	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,713.08	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,221.31	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,357.73	
26 24 19 00-0439	EA	Service Entrance Label Signage	510.60	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,067.28	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	610.21	
26 24 19 00-0442		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	337.16	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	337.16	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,043.03	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,176.44	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	100.66	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	271.67	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	57.00	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	244.99	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	742.98	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	244.99	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	480.00	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,847.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,914.91	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,922.57	
26 24 19 00-0457		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	742.77	371.40
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,114.16	557.10
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,238.00	619.00
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,485.73	742.80
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	123.80	61.90
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	742.77	371.40
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,114.16	557.10
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,238.00	619.00
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,485.73	742.80
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	123.80	61.90
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	866.62	433.30
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,114.16	557.10
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,485.73	742.80
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,732.98	866.47
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	185.70	92.85
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	990.40	495.20
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,361.92	680.90
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,732.98	866.47
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,980.46	990.27
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	247.60	123.80
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	990.40	495.20
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,485.73	742.80
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,856.81	928.37
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,104.74	1,052.43
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	247.60	123.80
26 24 19 00-0483		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0484		**2.4 KV Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	17,060.86	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	17,060.86	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	17,060.86	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	17,122.79	278.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.14*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	18,187.72	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	18,249.60	340.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.26*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	18,311.49	371.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.83*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	18,435.34	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.99*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	18,559.12	495.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*297.12*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	31,185.65	557.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.25*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	33,477.72	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	25,283.92	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	26,342.36	266.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.71*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	29,923.85	290.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.56*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	33,304.52	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	36,240.55	359.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.43*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	39,704.49	383.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*230.27*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	43,166.37	408.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.11*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	47,275.25	445.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.42*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	55,007.64	495.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*297.12*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	59,594.52	526.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.71*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	90,966.15	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	96,926.05	680.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.58*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	102,115.81	742.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	111,192.30	804.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.90*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	23,859.37	247.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.56*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	23,921.30	278.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.14*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	23,983.17	309.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.70*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	24,045.05	340.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.26*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	24,111.00	371.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.83*	
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	24,172.95	402.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.42*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	24,234.85	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.99*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	24,482.39	557.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.25*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	41,633.90	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	41,757.82	680.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.58*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	44,037.70	742.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.72*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,386.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	9,670.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	14,786.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	

26 24 19 00-0524 4.8 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	18,595.19	371.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.83*	
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	18,657.14	402.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.42*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	18,719.04	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.99*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	18,780.97	464.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.57*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	19,835.74	495.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*297.12*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	19,897.71	526.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.71*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	19,959.50	557.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.25*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	20,021.51	588.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.85*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	20,083.34	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	33,960.84	804.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.90*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	34,084.15	866.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*519.89*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	36,366.08	928.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*557.04*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	36,489.73	990.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*594.14*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	25,819.23	371.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.83*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	26,164.88	402.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.42*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	30,502.44	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.99*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	33,897.77	464.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.57*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	36,796.55	495.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*297.12*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	40,272.97	526.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.71*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	43,536.44	557.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.25*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	47,843.72	588.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.85*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	55,403.16	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	60,543.20	649.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*389.98*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	65,745.14	711.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*427.13*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	70,040.22	742.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	74,091.94	773.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*464.25*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	79,757.05	804.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.90*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	126,349.59	990.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*594.14*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	140,496.43	1,052.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*631.42*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	168,837.34	1,114.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*668.49*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	178,574.10	1,114.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*668.49*	
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	25,513.49	433.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.99*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	25,575.42	464.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.57*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	25,637.27	495.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*297.12*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	25,699.24	526.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.71*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	27,896.84	557.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.25*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	27,958.85	588.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.85*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	28,020.68	619.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.40*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	28,082.61	649.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*389.98*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	28,144.60	680.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.58*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	28,515.66	866.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*519.89*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	45,950.86	928.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*557.04*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	48,222.47	990.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*594.14*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	48,222.47	990.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*594.14*	
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,330.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,674.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,879.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.28*	

26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0483)*

26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,747.93	247.60
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,725.63	371.40
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,801.84	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	297.96	18.57
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,680.84	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	901.85	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,685.90	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	172.02	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	570.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	172.02	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	520.96	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,385.95	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,385.95	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,145.58	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,857.92	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	558.10	18.57
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	4,011.35	61.90
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,660.08	30.95
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,825.88	30.95
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,636.30	18.57
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	8,161.78	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	1,123.81	61.90
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	785.10	61.90

26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0483)*

Note: 3 Pole. Includes structure.

26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,361.00	371.21
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,363.24	657.07
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,831.27	841.32
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,540.47	1,354.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,334.57	1,490.25
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,857.68	1,652.82
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	7,982.78	1,937.33
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	13,680.24	2,257.06

26 24 19 00-0605 Main Lugs Only *(26 24 19 00-0483)*

26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	1,100.81	474.18
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	1,196.71	474.18
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	1,683.12	745.13
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	4,075.01	1,354.78
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	6,189.17	1,964.43
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	8,820.95	2,709.56

26 24 19 00-0612 Incoming Main Circuit Breaker Structure *(26 24 19 00-0483)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	7,103.52	655.57
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	15,004.50	842.13
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	15,638.56	1,311.69
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	22,145.15	1,311.69
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	31,996.31	1,484.16
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	6,179.87	656.39
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	8,524.09	842.54
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	16,607.57	1,312.77
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	19,276.69	1,312.77
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	27,099.50	1,485.52
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,127.59	275.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.80*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,309.17	275.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.69*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,895.13	390.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.58*	
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	3,065.10	513.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.90*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,443.09	642.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.88*	

26 24 19 00-0631 Class I, Type B *(26 24 19 00-0624)*

26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	1,063.44	239.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.48*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,238.75	239.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.57*	
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,811.28	346.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.43*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,979.58	470.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*282.25*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,374.11	600.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.19*	

26 24 19 00-0637 Class I, Type C *(26 24 19 00-0624)*

26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,114.61	222.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.72*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,302.18	222.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.13*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,930.24	331.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.23*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,106.25	459.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.36*	
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,490.25	589.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.81*	

26 24 19 00-0643 Class II, Type B *(26 24 19 00-0624)*

26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,139.29	329.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.10*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,556.81	329.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.79*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,194.91	438.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.55*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,551.83	562.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.69*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,336.38	686.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*413.04*	

26 24 19 00-0649 Class II, Type C *(26 24 19 00-0624)*

26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,402.56	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.26*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,606.80	311.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.65*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,320.43	425.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.66*	
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,668.56	548.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.83*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,471.64	677.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.06*	

26 24 19 00-0655 Fused Disconnect Combination Starter *(26 24 19 00-0483)*

26 24 19 00-0656 Class I, Type A *(26 24 19 00-0655)*

26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	1,032.80	253.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.57*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,547.87	346.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,435.05	451.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.96*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,335.27	632.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*380.55*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,765.56	806.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*483.85*	
26 24 19 00-0662		**Class I, Type B** *(26 24 19 00-0655)*		
26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	1,043.35	226.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.48*	
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,406.70	310.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.10*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	2,070.19	414.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*249.04*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,439.19	598.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*360.31*	
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	5,850.72	761.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*457.70*	
26 24 19 00-0668		**Class I, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,097.21	211.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.85*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,476.24	287.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.69*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,238.02	399.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.92*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,605.73	589.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.81*	
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,542.64	753.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.59*	
26 24 19 00-0674		**Class II, Type B** *(26 24 19 00-0655)*		
26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,324.27	317.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.28*	
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,706.95	395.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.85*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,458.80	509.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.13*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,967.81	686.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*413.04*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	6,721.20	857.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*513.17*	
26 24 19 00-0680		**Class II, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,366.83	298.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.26*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,776.01	373.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.30*	
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,596.43	486.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.98*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	4,116.51	670.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*403.21*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	6,862.46	830.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*498.08*	
26 24 19 00-0686		**Space Complete With Bus And Hardware** *(26 24 19 00-0483)*		
26 24 19 00-0687		**Circuit Breaker Type** *(26 24 19 00-0686)*		
26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	322.02	92.12
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	322.02	92.12
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	478.08	134.12
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	570.99	176.12
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	952.64	268.25
26 24 19 00-0693		**Fused Disconnect Type** *(26 24 19 00-0686)*		
26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	322.02	92.12
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	429.49	134.12
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	594.76	176.12
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	1,018.99	268.25
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,423.83	390.18
26 24 19 00-0699		**Blank Space For Future Expansion** *(26 24 19 00-0686)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	138.45	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	138.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	417.58	
26 24 19 00-0705		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0686)*		
26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	3,676.74	713.02
26 24 19 00-0707		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0483)*		
26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	6,295.71	1,856.86
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	6,295.71	1,856.86
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,904.11	1,856.86
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	Corner Section	6,904.11	1,856.86
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712		**Motor Control Center Starters With HMCP Circuit Breaker** *(26 24 19 00-0483)*		
		Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0713		**FVNR Starters With HMCP Circuit Breaker** *(26 24 19 00-0712)*		
26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,580.18	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.47*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,758.57	289.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.54*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,021.61	388.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.32*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,370.32	512.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.62*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	9,835.26	640.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.44*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	22,796.29	640.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.44*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,586.24	225.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.33*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,788.92	254.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.41*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,077.08	346.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.09*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,362.74	470.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*282.09*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	9,845.28	606.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.19*	
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	22,945.77	606.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.19*	
26 24 19 00-0726		**Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker** *(26 24 19 00-0712)*		
26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,508.80	326.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.78*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,068.40	361.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,030.26	485.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.14*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,607.00	641.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.88*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,457.78	802.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*481.55*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,536.07	281.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.07*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,121.25	317.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.63*	
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,106.57	434.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.54*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,616.38	587.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.81*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,487.71	759.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*455.64*	

26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,741.41	326.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.78*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,876.33	361.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.65*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,267.95	485.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.14*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,892.55	641.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.88*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	19,714.51	802.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*481.55*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,768.68	281.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.07*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,929.17	317.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.63*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,344.26	434.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.54*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,901.93	587.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.81*	
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	19,744.44	759.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*455.64*	

26 24 19 00-0748 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0483)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0749 FVNR Starters With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,285.46	254.29
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,679.02	345.61
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,769.40	450.33
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,639.78	634.30
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,209.82	806.36
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	23,048.45	806.36
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,303.37	225.44
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,707.80	309.57
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,838.31	415.10
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,649.84	600.57
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,200.17	762.87
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	23,178.38	762.87

26 24 19 00-0762 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,185.81	318.37
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,042.77	432.04
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,685.69	562.64
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,729.86	795.12
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	15,743.02	930.46
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,227.99	281.80
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,091.60	386.66
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,777.73	519.42
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,754.69	749.32
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	15,753.26	877.49

26 24 19 00-0773 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,536.27	318.37
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,863.11	432.04
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,946.64	562.64
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,201.28	795.12
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	19,134.45	930.46
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,579.49	281.80
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,911.93	386.66
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,038.68	519.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,226.11	749.32
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	19,144.69	877.49
26 24 19 00-0784		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0483)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	269.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	329.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 24 19 00-0787	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	396.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 24 19 00-0788	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	514.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.22*	
26 24 19 00-0789	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	860.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.26*	
26 24 19 00-0790	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	155.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 24 19 00-0791		**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0792		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,506.15	195.76
26 24 19 00-0794	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,783.93	216.76
26 24 19 00-0795	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,363.92	291.96
26 24 19 00-0796	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,699.21	384.76
26 24 19 00-0797	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	10,063.16	480.95
26 24 19 00-0798	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	11,559.30	480.95
26 24 19 00-0799	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	24,271.88	602.20
26 24 19 00-0800		**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0801	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	892.42	190.34
26 24 19 00-0802	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,061.66	259.44
26 24 19 00-0803	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,448.52	331.92
26 24 19 00-0804	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,661.57	475.53
26 24 19 00-0805	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,663.08	604.77
26 24 19 00-0806	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	10,493.79	604.77
26 24 19 00-0807	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	12,974.96	755.96
26 24 19 00-0808	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	19,078.60	755.96
26 24 19 00-0809		**Control Circuit Transformer** *(26 24 19 00-0483)*		
26 24 19 00-0810	EA	Control Circuit Transformer, Size 1 Factory Installed	73.86	
26 24 19 00-0811	EA	Control Circuit Transformer, Size 2 Factory Installed	73.86	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 3 Factory Installed	142.25	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 4 Factory Installed	142.25	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 5 Factory Installed	197.62	
26 24 19 00-0815	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	59.27	15.34
26 24 19 00-0816		**Cover Mounted Control Devices** *(26 24 19 00-0483)*		
26 24 19 00-0817	EA	Control Device, 2 Unit Push Button Station Cover Mounted	130.31	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	
26 24 19 00-0818	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	147.16	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.17*	
26 24 19 00-0819	EA	Control Device, Pilot Light Cover Mounted	121.62	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.69*	
26 24 19 00-0820	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	338.27	92.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.52*	
26 24 19 00-0821	EA	Auxiliary Contact Add Per Starter	388.16	35.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.06*	
26 24 19 00-0822		**Extra Interlocks** *(26 24 19 00-0483)*		
		Note: Per contact.		
26 24 19 00-0823	EA	Extra Interlocks, Class I, Type A Per Contact	85.53	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.69*	
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type B Per Contact	116.40	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.69*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type C Per Contact	127.91	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.58*	
26 24 19 00-0826	EA	Extra Interlocks, Class II, Type B Per Contact	114.67	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type C Per Contact	120.11	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0828		**Special Cabinet Provisions** *(26 24 19 00-0483)*		
26 24 19 00-0829	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	924.64	
26 24 19 00-0830		**Nameplate Requirements** *(26 24 19 00-0483)*		
26 24 19 00-0831	EA	Special Cabinet Nameplate Requirements	32.83	
26 24 19 00-0832		**Auxiliary Relays** *(26 24 19 00-0483)*		
26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	189.47	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	179.59	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	105.88	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 24 19 00-0836		**Motor Control Center Accessories** *(26 24 19 00-0483)*		
26 24 19 00-0837		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0836)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,467.20	433.97
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,684.29	451.34
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,217.26	486.05
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,791.92	520.77
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,438.65	555.48
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	12,807.81	624.93
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	16,795.55	694.36
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,854.06	572.85
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,706.60	624.93
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,239.99	694.36
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,992.47	763.79
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	15,652.29	833.23
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,161.62	902.66
26 24 19 00-0851		**Bolt-On Lighting Panel** *(26 24 19 00-0836)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,413.11	705.02
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,787.92	1,227.16
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	5,039.79	1,660.27
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,528.71	762.87
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,735.70	1,201.01
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,247.33	1,764.05
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,998.68	817.75
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,368.75	1,312.77
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,732.92	1,764.05
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,127.30	881.96
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,368.75	1,312.77
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,846.72	1,820.95
26 24 19 00-0864		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0836)* Note: For MCC lighting panel only.		
26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	44.70	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	284.96	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	87.38	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	201.17	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	235.71	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	357.63	
26 24 19 00-0871		**Blank Unit Door (BUD)** *(26 24 19 00-0836)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	75.99	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	91.19	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	136.78	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	182.37	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	273.56	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	319.16	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	364.75	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	302.80	40.64
		For Up To 25, Add	*75.70*	
		For >25 To 50, Add	*45.42*	
		For >50 To 100, Add	*22.71*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	425.30	40.64
		For Up To 25, Add	*106.33*	
		For >25 To 50, Add	*63.80*	
		For >50 To 100, Add	*31.90*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	537.42	54.19
		For Up To 25, Add	*134.36*	
		For >25 To 50, Add	*80.61*	
		For >50 To 100, Add	*40.31*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	737.59	54.19
		For Up To 25, Add	*184.40*	
		For >25 To 50, Add	*110.64*	
		For >50 To 100, Add	*55.32*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	778.41	67.74
		For Up To 25, Add	*194.60*	
		For >25 To 50, Add	*116.76*	
		For >50 To 100, Add	*58.38*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,078.99	67.74
		For Up To 25, Add	*269.75*	
		For >25 To 50, Add	*161.85*	
		For >50 To 100, Add	*80.92*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,260.04	71.12
		For Up To 25, Add	*315.01*	
		For >25 To 50, Add	*189.01*	
		For >50 To 100, Add	*94.50*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,530.07	73.16
		For Up To 25, Add	*382.52*	
		For >25 To 50, Add	*229.51*	
		For >50 To 100, Add	*114.76*	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,884.32	77.22
		For Up To 25, Add	*471.08*	
		For >25 To 50, Add	*282.65*	
		For >50 To 100, Add	*141.32*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,176.02	90.10
		For Up To 25, Add	*544.01*	
		For >25 To 50, Add	*326.40*	
		For >50 To 100, Add	*163.20*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,516.37	98.22
		For Up To 25, Add	*629.09*	
		For >25 To 50, Add	*377.46*	
		For >50 To 100, Add	*188.73*	
26 25 13 00-0014		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	487.18	40.64
		For Up To 25, Add	*121.80*	
		For >25 To 50, Add	*73.08*	
		For >50 To 100, Add	*36.54*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	699.89	40.64
		For Up To 25, Add	*174.97*	
		For >25 To 50, Add	*104.98*	
		For >50 To 100, Add	*52.49*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	791.34	54.19
		For Up To 25, Add	*197.84*	
		For >25 To 50, Add	*118.70*	
		For >50 To 100, Add	*59.35*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,003.70	54.19
		For Up To 25, Add	*250.93*	
		For >25 To 50, Add	*150.56*	
		For >50 To 100, Add	*75.28*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,222.42	67.74
		For Up To 25, Add	*305.61*	
		For >25 To 50, Add	*183.36*	
		For >50 To 100, Add	*91.68*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,579.64	67.74
		For Up To 25, Add	*394.91*	
		For >25 To 50, Add	*236.95*	
		For >50 To 100, Add	*118.47*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,039.23	70.18
		For Up To 25, Add	*509.81*	
		For >25 To 50, Add	*305.88*	
		For >50 To 100, Add	*152.94*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,452.53	73.16
		For Up To 25, Add	*613.13*	
		For >25 To 50, Add	*367.88*	
		For >50 To 100, Add	*183.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,037.50	76.55
		For Up To 25, Add	*759.38*	
		For >25 To 50, Add	*455.63*	
		For >50 To 100, Add	*227.81*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,506.65	90.10
		For Up To 25, Add	*876.66*	
		For >25 To 50, Add	*526.00*	
		For >50 To 100, Add	*263.00*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	4,062.98	98.22
		For Up To 25, Add	*1,015.75*	
		For >25 To 50, Add	*609.45*	
		For >50 To 100, Add	*304.72*	
26 25 13 00-0026		Cable Tap Boxes *(26 25 13 00-0001)*		
26 25 13 00-0027		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,445.25	189.67
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,533.41	189.67
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,742.67	257.40
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,923.02	257.40
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,137.93	338.69
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,439.08	338.69
26 25 13 00-0034		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,533.41	372.57
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,758.22	372.57
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,952.73	508.04
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,318.80	508.04
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,496.29	677.39
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,975.42	677.39
26 25 13 00-0041		Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*		
26 25 13 00-0042		240 Volt, 3-Phase *(26 25 13 00-0041)*		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,111.83	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.11*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,191.86	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.14*	
26 25 13 00-0045		600 Volt, 3-Phase *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,121.77	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.11*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,747.87	135.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.14*	
26 25 13 00-0048		120/208 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,280.09	162.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,531.05	162.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.84*	
26 25 13 00-0051		277/480 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,460.49	162.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,237.46	162.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.84*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,302.83	562.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.67*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,862.82	562.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*529.21*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,840.48	1,625.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*736.29*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	11,207.36	1,625.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,302.67*	
26 25 13 00-0058		Bus Duct Plug-In Fusible Switch *(26 25 13 00-0001)*		
26 25 13 00-0059		240 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,109.35	135.48
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,220.86	135.48
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,683.61	162.57
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,844.16	325.14
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,163.58	731.58
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,750.44	1,273.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,150.34	149.02
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,259.17	149.02
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,695.18	149.02
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,910.06	311.59
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,127.40	704.48
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,007.03	1,354.78
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,972.19	1,761.21
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,282.87	176.12
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,381.05	176.12
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,866.85	176.12
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,163.75	365.79
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,868.33	812.86
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,460.91	1,246.40
26 25 13 00-0081		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,324.36	176.12
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,422.54	149.43
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,989.53	203.21
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,295.14	365.79
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,868.33	812.86
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,460.91	1,246.40
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	18,083.59	1,652.82

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	879.90	56.90
		For Up To 25, Add	*219.98*	
		For >25 To 50, Add	*131.99*	
		For >50 To 100, Add	*65.99*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	892.56	56.90
		For Up To 25, Add	*223.14*	
		For >25 To 50, Add	*133.88*	
		For >50 To 100, Add	*66.94*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,165.88	56.90
		For Up To 25, Add	*291.47*	
		For >25 To 50, Add	*174.88*	
		For >50 To 100, Add	*87.44*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,398.80	56.90
		For Up To 25, Add	*349.70*	
		For >25 To 50, Add	*209.82*	
		For >50 To 100, Add	*104.91*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,708.79	56.90
		For Up To 25, Add	*427.20*	
		For >25 To 50, Add	*256.32*	
		For >50 To 100, Add	*128.16*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,332.32	135.48
		For Up To 25, Add	*583.08*	
		For >25 To 50, Add	*349.85*	
		For >50 To 100, Add	*174.92*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,220.97	135.48
		For Up To 25, Add	*805.24*	
		For >25 To 50, Add	*483.15*	
		For >50 To 100, Add	*241.57*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,810.88	135.48
		For Up To 25, Add	*952.72*	
		For >25 To 50, Add	*571.63*	
		For >50 To 100, Add	*285.82*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,691.97	135.48
		For Up To 25, Add	*1,172.99*	
		For >25 To 50, Add	*703.80*	
		For >50 To 100, Add	*351.90*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,007.45	60.96
		For Up To 25, Add	*251.86*	
		For >25 To 50, Add	*151.12*	
		For >50 To 100, Add	*75.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,024.26	60.96
		For Up To 25, Add	*256.07*	
		For >25 To 50, Add	*153.64*	
		For >50 To 100, Add	*76.82*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,316.08	60.96
		For Up To 25, Add	*329.02*	
		For >25 To 50, Add	*197.41*	
		For >50 To 100, Add	*98.71*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,560.02	60.96
		For Up To 25, Add	*390.01*	
		For >25 To 50, Add	*234.00*	
		For >50 To 100, Add	*117.00*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,883.80	60.96
		For Up To 25, Add	*470.95*	
		For >25 To 50, Add	*282.57*	
		For >50 To 100, Add	*141.29*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,892.33	104.32
		For Up To 25, Add	*723.08*	
		For >25 To 50, Add	*433.85*	
		For >50 To 100, Add	*216.92*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,627.23	104.32
		For Up To 25, Add	*906.81*	
		For >25 To 50, Add	*544.08*	
		For >50 To 100, Add	*272.04*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,292.26	193.73
		For Up To 25, Add	*1,073.07*	
		For >25 To 50, Add	*643.84*	
		For >50 To 100, Add	*321.92*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,290.81	193.73
		For Up To 25, Add	*1,322.70*	
		For >25 To 50, Add	*793.62*	
		For >50 To 100, Add	*396.81*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	325.02	88.06
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	345.51	88.06
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	383.57	98.22
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	396.73	98.22
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	442.12	108.38
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	447.95	108.38
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,156.00	172.06
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,485.37	192.38
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	3,293.99	212.70
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,290.34	677.39

26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	331.33	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.66*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	392.69	28.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.87*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	481.61	28.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	944.58	28.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,324.88	30.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.33*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	2,152.04	33.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	

26 27 13 00-0020 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	667.05	176.12

26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,296.35	84.67
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,708.10	101.61
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,117.64	118.54
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,454.26	135.48
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,199.69	152.41
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,454.54	169.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	4,030.56	203.21
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,401.27	84.67
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,164.38	101.61
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,359.14	135.48
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,834.96	152.41
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	6,084.23	169.34
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,987.26	118.54
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,613.36	135.48
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,199.69	152.41
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,763.92	169.34
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,748.01	186.28
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,980.79	203.21
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,175.52	237.08
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,087.75	118.54
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,049.75	135.48
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,708.56	169.34
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,118.10	186.28
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,831.42	203.21
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,409.77	101.61
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,845.83	118.54
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,279.68	135.48
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,647.23	152.41
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,255.66	169.34
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,510.51	186.28
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	4,329.61	220.15
26 27 13 00-0060		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,523.54	101.61
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,330.84	118.54
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,812.86	152.41
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,288.70	169.34
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,405.43	186.28
26 27 13 00-0066		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,100.70	135.48
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,735.66	152.41
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,388.28	169.34
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,952.53	186.28
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,980.84	203.21
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,213.54	220.15
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,496.71	254.02
26 27 13 00-0074		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,232.13	135.48
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,260.44	152.41
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,118.15	186.28
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,395.07	203.21
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,130.51	220.15
26 27 13 00-0080		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0081		**800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,296.35	84.67
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,708.10	101.61
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,454.26	135.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,199.69	152.41
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,962.80	169.34
26 27 13 00-0087		**1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,401.26	84.67
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,164.37	101.61
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,580.11	135.48
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,055.94	152.41
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,084.23	169.34
26 27 13 00-0093		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,987.26	118.54
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,613.36	135.48
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,763.92	169.34
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,748.01	186.28
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,980.79	203.21
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,087.76	118.54
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,049.75	135.48
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,708.56	169.34
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,118.10	186.28
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,831.46	203.21
26 27 13 00-0105		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0106		**800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,409.77	101.61
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,845.83	118.54
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,647.23	152.41
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,476.64	169.34
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,952.48	186.28
26 27 13 00-0112		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,523.53	101.61
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,330.83	118.54
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,591.88	152.41
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,067.71	169.34
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,405.38	186.28
26 27 13 00-0118		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,100.68	135.48
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,735.63	152.41
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,952.48	186.28
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,980.79	203.21
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,213.54	220.15
26 27 13 00-0124		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,232.11	135.48
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,260.41	152.41
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,118.10	186.28
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,395.07	203.21
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,130.51	220.15
26 27 13 00-0130		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,480.99	81.29
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	4,199.29	162.57
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	2,216.61	121.93
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,721.29	121.93
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,290.74	121.93
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,556.81	112.44
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,659.00	203.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0138		**Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,749.06	813.00
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	7,940.11	813.00
26 27 13 00-0142		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,978.36	813.00
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	14,575.51	813.00
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	15,676.94	813.00
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		**NEMA 1 Enclosures, Lockable** *(26 27 16)*		
26 27 16 00-0002		**Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0003		**4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	84.55	27.10
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	94.72	29.81
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.99	32.52
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.56	37.93
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.39	40.64
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.96	43.35
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.58	43.35
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	156.42	46.07
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	168.85	48.77
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	219.27	65.03
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.93	78.57
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	252.84	75.87
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.74	32.52
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	128.11	37.93
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	153.07	46.07
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.21	48.77
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	177.58	51.48
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	190.50	54.19
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	242.18	70.45
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	293.83	86.71
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	283.43	84.00
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	368.94	108.38
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	471.10	124.64
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	537.16	135.48
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	596.78	143.61
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	649.64	149.02
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	455.50	108.38
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	59.56	18.97
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	85.12	27.10
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.98	29.81
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	66.55	21.67
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.49	27.10
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	92.17	29.81
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.04	32.52
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	119.05	37.93
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.39	40.64
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	140.26	43.35
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	139.85	43.35
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.19	46.07
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	162.89	48.77
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	212.98	65.03
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	263.85	81.29
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	244.80	75.87
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	317.15	97.54
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	459.34	121.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.62	32.52
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	113.25	35.22
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	130.53	40.64
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	148.19	46.07
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	159.72	48.77
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	171.36	51.48
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	183.49	54.19
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	234.85	70.45
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	288.54	86.71
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	274.11	84.00
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	356.47	108.38
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	446.03	124.64
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	511.76	135.48
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	552.74	143.61
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	605.23	149.02
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	148.19	46.07
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	202.42	59.61
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	257.33	75.87
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	319.34	94.83
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	305.09	92.12
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	377.97	113.80
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	421.27	130.06
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	489.61	138.19
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	564.36	149.02
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.60	157.16
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	631.19	162.57
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	648.23	162.57
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	346.37	102.97
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	456.07	132.76
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	461.14	140.90
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.64	151.73
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	691.75	167.99
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	768.69	173.41
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	820.26	181.54
26 27 16 00-0090		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	503.53	146.31
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	500.85	154.45
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	660.30	167.99
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	755.03	184.25
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	848.33	192.38
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	894.95	200.50
26 27 16 00-0097		**NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)*		
26 27 16 00-0098		**4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,303.53	119.22
26 27 16 00-0100		**NEMA 12 Enclosures, Lockable** *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0101		**Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0102		**4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.75	21.67
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	153.57	29.81
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	190.15	37.93
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	205.81	40.64
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	230.70	43.35
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	248.41	46.07
26 27 16 00-0109		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	170.42	32.52
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	187.67	35.22
26 27 16 00-0112		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0113		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	241.50	21.67
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	289.75	29.81
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	327.65	32.52
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	374.87	37.93
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	385.60	40.64
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	455.32	43.35
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	488.87	46.07
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	556.24	48.77
26 27 16 00-0122		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	352.72	32.52
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	398.71	35.22
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	434.64	40.64
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	514.08	48.77
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	558.31	54.19
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	775.22	70.45
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,201.30	108.38
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,573.25	124.64
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,773.69	135.48
26 27 16 00-0132		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,640.60	138.19
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,890.54	149.02
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,078.02	157.16
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,290.93	162.57
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,259.42	162.57
26 27 16 00-0138		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0139		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,215.26	220.15
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,285.43	243.86
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,356.86	260.79
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,614.19	325.14
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,735.66	383.40
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,772.68	383.40
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,664.39	406.44
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,840.71	433.53
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,858.69	433.53
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	380.12	94.83
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	410.25	94.83
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	531.11	98.22
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	551.62	98.22
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	699.55	101.61
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	525.57	98.22
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	579.19	98.22
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	603.99	101.61
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	768.70	101.61
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	846.01	108.38
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	911.12	115.15
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	950.30	115.15
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,135.64	118.54
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,234.05	121.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,699.11	135.48
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	812.57	104.99
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,028.21	118.54
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,209.96	121.93
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,399.09	125.32
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,491.49	125.32
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,698.61	135.48
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,966.15	152.41
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,852.05	145.64
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,604.60	270.95
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,285.75	338.69
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,504.86	128.70
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,270.59	169.34
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,308.33	169.34
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,119.58	254.02
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,128.78	270.95
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	10,544.20	474.18
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,512.35	338.69
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,513.93	406.44
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,989.77	372.57
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)* Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	113.82	27.10
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	125.67	29.81
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	186.53	32.52
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	234.81	40.64
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	262.35	46.07
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	307.95	51.48
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	332.99	54.19
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	433.54	70.45
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	518.32	86.71
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	591.62	108.38
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	899.74	138.19
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	998.06	149.02
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,124.00	157.16
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,182.34	162.57
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,115.82	167.99
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,260.46	189.67
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,395.43	209.99
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,537.37	231.67
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,673.71	251.99
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	725.34	132.76
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,115.81	167.99
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,322.33	173.41
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,675.30	189.67
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,083.64	134.12
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,215.07	150.38
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,345.14	166.63
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,487.76	184.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,619.19	200.50
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	809.59	100.26
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,083.64	134.12
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,215.07	150.38
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,430.45	176.12
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,619.19	200.50
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,538.61	197.80
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,619.19	200.50
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,705.86	205.93
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,900.76	216.76
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,061.88	227.61
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	83.30	21.67
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.51	27.10
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.99	29.81
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	123.19	32.52
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	143.01	37.93
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	156.03	40.64
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	170.23	43.35
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	169.43	43.35
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	185.47	46.07
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	199.68	48.77
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	301.21	75.87
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	402.58	97.54
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	115.24	32.52
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	158.18	40.64
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	179.17	46.07
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	194.48	48.77
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	193.30	48.77
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	209.56	51.48
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.97	54.19
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	294.98	70.45
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	338.89	84.00
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	453.09	108.38
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	472.17	116.52
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	541.76	124.64
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	611.45	135.48
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	253.18	59.61
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	365.26	92.12
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	501.48	119.22
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	599.40	138.19
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	680.00	149.02
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	757.52	157.16
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	552.93	132.76
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	746.72	167.99
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	821.93	173.41
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	825.26	184.25
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,163.29	200.50
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,202.59	205.93
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,412.42	216.76
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	130.77	18.97
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	152.51	23.03
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	190.63	29.81
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	181.16	29.81
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	242.01	40.64
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	301.78	48.77
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	278.62	46.07
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	324.76	54.19
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	382.35	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	463.01	78.57
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	119.77	18.97
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	170.18	29.81
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	150.05	26.01
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	159.32	28.18
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	195.22	36.85
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	228.56	40.64
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	295.84	51.48
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	345.74	60.96
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	484.99	97.54
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	262.88	21.67
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	309.23	29.81
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	391.50	40.64
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	475.37	48.77
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	585.72	62.31
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	690.86	78.57
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	341.23	18.97
		For 316 Stainless Steel, Add	*47.01*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	443.69	27.10
		For 316 Stainless Steel, Add	*60.15*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	502.81	29.81
		For 316 Stainless Steel, Add	*68.53*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	575.56	32.52
		For 316 Stainless Steel, Add	*79.08*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	706.84	40.64
		For 316 Stainless Steel, Add	*96.84*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	994.49	51.48
		For 316 Stainless Steel, Add	*138.53*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,239.88	62.31
		For 316 Stainless Steel, Add	*173.45*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,494.56	78.57
		For 316 Stainless Steel, Add	*207.70*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	161.82	29.81
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	182.39	32.52
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	208.58	37.93
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	226.85	40.64
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	262.20	46.07
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	246.12	46.07
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	287.18	51.48
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	360.30	62.31
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	459.23	85.35
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	589.01	122.87
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	174.47	29.81
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	197.34	32.52
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	224.66	37.93
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	246.37	40.64
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	282.88	46.07
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	265.66	46.07
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	313.68	51.48
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	374.08	62.31
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	487.96	85.35
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	620.02	122.87
26 27 16 00-0343		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	197.45	29.81
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	211.12	32.52
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	239.59	37.93
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	259.01	40.64
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	307.02	46.07
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	281.75	46.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	346.98	51.48
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	412.01	62.31
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	504.04	85.35
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	647.59	122.87
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	206.64	29.81
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	228.34	32.52
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	255.67	37.93
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	276.24	40.64
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	330.00	46.07
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	301.26	46.07
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	371.12	51.48
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	423.49	62.31
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	541.94	85.35
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	687.81	122.87

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,773.99	152.41
		For Mounting Pan, Add	*77.77*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,399.99	162.57
		For Mounting Pan, Add	*144.91*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,784.45	182.89
		For Mounting Pan, Add	*199.83*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,468.84	182.89
		For Mounting Pan, Add	*101.61*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,234.55	187.98
		For Mounting Pan, Add	*199.83*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,306.04	203.21
		For Mounting Pan, Add	*152.85*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,394.75	203.21
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,811.50	254.02
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,539.49	228.62
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,690.05	254.02
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,221.81	457.24
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,754.72	304.82
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,514.08	508.04
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,041.49	508.04
		For Mounting Pan, Add	*428.55*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,861.45	228.62
		For Mounting Pan, Add	*152.85*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,889.02	228.62
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,414.08	228.62
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,891.25	254.02
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,079.58	457.24
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,614.09	558.85
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,604.79	660.45
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,737.17	558.85
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,953.25	558.85
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,927.52	609.65
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,832.22	558.85
		For Mounting Pan, Add	*428.55*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,181.62	609.65
		For Mounting Pan, Add	*626.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,089.88	609.65
		For Mounting Pan, Add	*835.44*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	20,369.43	812.86
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,488.24	660.45
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	28,124.39	1,016.08
		For Mounting Pan, Add	*1,329.11*	
26 27 16 00-0398		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,160.63	660.45
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,034.64	609.65
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,202.00	660.45
		For Mounting Pan, Add	*626.67*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,983.27	711.26
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,883.87	711.26
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	30,670.77	1,016.08
		For Mounting Pan, Add	*1,329.11*	
26 27 16 00-0405		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,812.33	558.85
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0407		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408		15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	440.97	108.38
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	809.91	108.38
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,995.64	149.02
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,704.85	162.57
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,972.90	162.57
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	695.47	149.02
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	703.75	149.02
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,294.55	149.02
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,418.67	189.67
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,069.75	189.67
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,102.63	298.05
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,559.52	298.05
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,488.60	379.34
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,829.78	379.34
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,159.49	569.01
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,699.31	569.01
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	13,474.33	731.58
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	7,297.26	731.58
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,632.83	569.01
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,447.87	569.01
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	9,171.62	731.58
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	24.22	6.77
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	36.32	6.77

26 27 19 Multi-Outlet Assemblies *(26 27)*

26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets *(26 27 19)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	31.75	9.89
		For Concrete Or Masonry Surface, Add	*0.99*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	24.53	7.04
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	23.20	7.45
		For Concrete Or Masonry Surface, Add	*0.74*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	25.41	7.04
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	20.83	7.18
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	28.34	7.04
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	25.15	7.04
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	27.07	7.04
		For Concrete Or Masonry Surface, Add	*0.71*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	364.00	60.04
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	395.69	60.04
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	432.34	60.04

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	74.52	12.38
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	64.51	12.38
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	73.13	12.38
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	54.02	12.38
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	44.38	12.38

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	472.66	60.04
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	540.77	60.04
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	577.52	60.04

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	49.77	12.38
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	44.68	12.38
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	48.32	12.38

26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	616.98	60.04
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	698.95	60.04
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	752.99	60.04

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	49.77	12.38
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	44.68	12.38
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	48.32	12.38

26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	493.99	60.04
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	551.30	60.04
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	615.55	60.04
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	76.47	12.38
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	78.09	12.38
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	83.48	12.38
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	57.04	12.38
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	44.38	12.38
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	476.09	60.04
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	534.87	60.04
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	604.12	60.04
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	999.66	60.04
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,143.82	60.04
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,305.29	60.04
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	541.79	60.04
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	512.74	60.04
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	657.73	60.04
26 27 26		**Wiring Devices** *(26 27)*		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	107.83	48.09
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	115.95	51.48
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	139.97	61.64
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	156.20	68.41
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	125.96	48.09
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	135.04	51.48
26 27 26 00-0010		Receptacle Components *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	32.05	13.55
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	30.99	13.55
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	37.22	13.55
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	40.83	13.55
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	52.19	16.93
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	64.03	16.93
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	33.44	13.55
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	32.32	13.55
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	48.58	13.55
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	39.69	13.55
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	52.19	16.93
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	64.03	16.93
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	102.02	16.93
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	102.02	16.93
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	84.41	20.32
26 27 26 00-0026		Specialty Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0027		Specialty Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	74.30	23.71
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	74.30	23.71
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	91.60	23.71
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	115.57	23.71
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	122.34	27.10
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	112.49	27.10
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	109.72	27.10
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	95.41	27.10
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	110.77	27.10
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	137.48	27.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	144.25	30.48
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	158.60	33.87
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	172.14	40.64
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,647.96	318.37
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	4,128.68	389.50
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	88.95	27.10
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	129.97	40.64
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	85.61	16.93
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,710.26	412.63

26 27 26 00-0047 Isolated Ground Receptacles *(26 27 26 00-0026)*

26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	101.00	13.55
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	72.13	16.93
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	71.86	16.93
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	99.02	27.10
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	81.25	16.93
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	74.15	16.93
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	103.11	20.32
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	81.02	20.32
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	105.73	20.32
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	129.81	20.32
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	126.38	27.10

26 27 26 00-0059 Explosion Proof Receptacle Assembly *(26 27 26 00-0026)*

26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	1,014.27	33.87
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	934.45	37.26
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,553.54	67.74
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,957.13	67.74
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,476.32	101.61
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,359.47	101.61

26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) *(26 27 26 00-0026)*

26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	45.73	16.93
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	64.96	20.32
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	48.88	23.08
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	83.55	27.10

26 27 26 00-0071 Arc Fault Circuit Interrupter (AFCI) *(26 27 26 00-0026)*

26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	85.26	16.93
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	94.05	16.93

26 27 26 00-0074 Locking Receptacle *(26 27 26 00-0026)*

26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	61.62	16.93
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	76.02	16.93
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	68.22	20.32
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	67.59	20.32
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	80.26	20.32
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	96.63	20.32
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	94.82	20.32
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	82.85	20.32
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	94.24	27.10
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	95.76	27.10
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	136.13	27.10

26 27 26 00-0086 Hospital Grade Receptacle *(26 27 26 00-0026)*

26 27 26 00-0087	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	62.15	13.55
26 27 26 00-0088	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	67.62	13.55
26 27 26 00-0089	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	77.96	13.55
26 27 26 00-0090	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	68.40	13.55
26 27 26 00-0091	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	79.10	13.55
26 27 26 00-0092	EA	20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	87.40	13.55
26 27 26 00-0093	EA	120 Volt, Transient Voltage, Surge Suppresser Receptacle Note: Hospital grade receptacle.	195.38	40.64

26 27 26 00-0094 Weathertight Pin And Sleeve Receptacle *(26 27 26 00-0026)*

26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	306.83	67.74
26 27 26 00-0096	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	306.12	67.74
26 27 26 00-0097	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	319.48	67.74
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	389.70	74.51
26 27 26 00-0099	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	390.81	74.51
26 27 26 00-0100	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	388.24	74.51
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	465.28	83.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0102	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	443.55	83.32
26 27 26 00-0103	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	477.57	83.32
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	482.46	91.45
26 27 26 00-0105	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	482.03	91.45
26 27 26 00-0106	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	485.11	91.45
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	678.55	108.38
26 27 26 00-0108	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	652.23	108.38
26 27 26 00-0109	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	669.36	108.38
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	745.42	120.58
26 27 26 00-0111	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	745.93	120.58
26 27 26 00-0112	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	746.44	120.58
26 27 26 00-0113	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	829.69	135.48
26 27 26 00-0114	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	863.43	135.48
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	928.96	149.02
26 27 26 00-0116	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	926.42	149.02
26 27 26 00-0117	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	931.19	149.02
26 27 26 00-0118		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0119	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	90.30	13.55
26 27 26 00-0120	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	183.22	16.93
26 27 26 00-0121		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	33.28	13.55
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	36.46	13.55
26 27 26 00-0124	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	45.60	13.55
26 27 26 00-0125	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	49.88	13.55
26 27 26 00-0126	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	75.61	13.55
26 27 26 00-0127	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	81.74	13.55
26 27 26 00-0128	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	87.60	13.55
26 27 26 00-0129		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0130	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	77.85	13.55
26 27 26 00-0131	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	84.19	13.55
26 27 26 00-0132		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0133	EA	TV Receptacle With Cover (Type F), Complete	89.48	31.43
26 27 26 00-0134		**Switches** *(26 27 26)*		
26 27 26 00-0135		**Switches** *(26 27 26 00-0134)*		
26 27 26 00-0136		**Switch Assemblies** *(26 27 26 00-0135)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0137	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	112.30	47.42
26 27 26 00-0138	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	121.10	51.48
26 27 26 00-0139	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	152.29	61.98
26 27 26 00-0140	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	167.16	68.75
26 27 26 00-0141	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	259.12	106.35
26 27 26 00-0142	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	281.41	116.52
26 27 26 00-0143	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	299.22	120.24
26 27 26 00-0144	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	328.93	133.79
26 27 26 00-0145		**Switch Components** *(26 27 26 00-0135)*		
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, SPST Switch	36.82	13.55
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, 3-Way Switch	46.64	16.93
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, 4-Way Switch	91.24	27.10
26 27 26 00-0149	EA	15 Amperes, 120/277 Volt, DPST Switch	42.47	13.55
26 27 26 00-0150	EA	15 Amperes, 120/277 Volt, Thermal Switch	82.18	16.93
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, SPST Switch	44.24	16.93
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, 3-Way Switch	54.83	20.32
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, 4-Way Switch	124.86	27.10
26 27 26 00-0154	EA	20 Amperes, 120/277 Volt, DPST Switch	53.30	16.93
26 27 26 00-0155	EA	20 Amperes, 120/277 Volt, DPDT Switch	57.32	16.93
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	92.88	16.97
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	117.10	16.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0158	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	89.34	20.36
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	67.55	23.71
26 27 26 00-0160	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	83.51	27.10
26 27 26 00-0161	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	124.95	27.10
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	93.28	27.16
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	115.05	27.16
26 27 26 00-0164	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	120.24	33.94
26 27 26 00-0165	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	167.98	37.34
26 27 26 00-0166	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	80.19	22.19
26 27 26 00-0167	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	113.38	22.19
26 27 26 00-0168	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	99.07	22.19
26 27 26 00-0169	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	94.15	22.19
26 27 26 00-0170	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	104.45	11.00
26 27 26 00-0171	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	111.12	11.00
26 27 26 00-0172	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	118.27	42.36
26 27 26 00-0173	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	142.49	42.36
26 27 26 00-0174	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	170.05	13.58
26 27 26 00-0175	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	93.70	13.58
26 27 26 00-0176	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	287.55	13.55
26 27 26 00-0177	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	53.24	13.55
26 27 26 00-0178	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	99.85	13.58
26 27 26 00-0179	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	114.58	13.58
26 27 26 00-0180	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	146.71	13.58
26 27 26 00-0181	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	175.11	13.58
26 27 26 00-0182		**Specialty Switches** *(26 27 26 00-0134)*		
26 27 26 00-0183		**Dimmers With SPST Switch** *(26 27 26 00-0182)*		
26 27 26 00-0184	EA	600 Watt Dimmers With SPST Switch	81.97	30.48
26 27 26 00-0185	EA	1,000 Watt Dimmers With SPST Switch	147.52	30.48
26 27 26 00-0186	EA	1,500 Watt Dimmers With SPST Switch	267.40	49.05
26 27 26 00-0187	EA	2,000 Watt Dimmers With SPST Switch	351.05	49.05
26 27 26 00-0188	EA	600 Watt Fluorescent Dimmer Switch	192.86	36.18
26 27 26 00-0189	EA	1,000 Watt Fluorescent Dimmer Switch	264.83	36.18
26 27 26 00-0190	EA	1,500 Watt Fluorescent Dimmer Switch	482.56	54.60
26 27 26 00-0191	EA	Remote Speed Switch For Paddle Fan	136.55	45.11
26 27 26 00-0192	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	227.30	67.33
26 27 26 00-0193		**Time Switches** *(26 27 26 00-0182)*		
26 27 26 00-0194	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	157.00	40.64
26 27 26 00-0195	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	160.79	40.64
26 27 26 00-0196	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	157.00	40.64
26 27 26 00-0197	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	160.79	40.64
26 27 26 00-0198	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	182.24	40.64
26 27 26 00-0199	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	182.24	40.64
26 27 26 00-0200	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	331.16	40.64
26 27 26 00-0201	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	331.16	40.64
26 27 26 00-0202	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	283.38	40.64
26 27 26 00-0203	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	312.56	40.64
26 27 26 00-0204	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	312.56	40.64
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	381.51	40.64
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	393.12	40.64
26 27 26 00-0207	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	157.00	40.64
26 27 26 00-0208	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	160.79	40.64
26 27 26 00-0209	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	157.00	40.64
26 27 26 00-0210	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	160.79	40.64
26 27 26 00-0211	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	182.24	40.64
26 27 26 00-0212	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	182.24	40.64
26 27 26 00-0213	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	331.16	40.64
26 27 26 00-0214	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	331.16	40.64
26 27 26 00-0215	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	381.51	40.64
26 27 26 00-0216	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	393.12	40.64
26 27 26 00-0217		**Low Voltage Switching** *(26 27 26 00-0182)*		
26 27 26 00-0218	EA	36 Pin Male Or Female Connector	271.90	13.55
26 27 26 00-0219		**Other Switches** *(26 27 26 00-0182)*		
26 27 26 00-0220	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	45.33	20.32
26 27 26 00-0221	EA	SPST Locking Switch For Concealed Devices	140.92	54.19
26 27 26 00-0222	EA	3-Way Locking Switch For Concealed Devices	142.96	54.19
26 27 26 00-0223	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	159.01	50.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0224	EA	15 Amperes Momentary Contact Switch	150.74	50.67
26 27 26 00-0225	EA	20 Amperes Momentary Contact Switch	159.45	50.67
26 27 26 00-0226	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	146.48	61.09
26 27 26 00-0227	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	148.91	61.09
26 27 26 00-0228	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	183.35	74.67
26 27 26 00-0229	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	166.73	67.89
26 27 26 00-0230	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	167.34	67.89
26 27 26 00-0231		Hospital Grade Switches *(26 27 26 00-0182)*		
26 27 26 00-0232	EA	15 Amperes, 120/277 Volt, SPST Hospital Grade Switch	36.82	13.55
26 27 26 00-0233	EA	20 Amperes, 120/277 Volt, SPST Hospital Grade Switch	44.24	16.93
26 27 26 00-0234		Plates And Covers *(26 27 26)*		
26 27 26 00-0235		Wall Plates *(26 27 26 00-0234)*		
26 27 26 00-0236		Nylon Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0237	EA	1 Gang Nylon Switch Wall Plates	2.15	0.68
26 27 26 00-0238	EA	2 Gang Nylon Switch Wall Plates	3.63	1.02
26 27 26 00-0239	EA	3 Gang Nylon Switch Wall Plates	5.15	1.36
26 27 26 00-0240	EA	4 Gang Nylon Switch Wall Plate	7.43	1.70
26 27 26 00-0241	EA	1 Gang Duplex Nylon Wall Plate	2.17	0.68
26 27 26 00-0242	EA	2 Gang Duplex Nylon Wall Plate	3.72	1.02
26 27 26 00-0243		Plastic Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0244	EA	1 Gang Plastic Switch Wall Plates	1.99	0.68
26 27 26 00-0245	EA	2 Gang Plastic Switch Wall Plates	3.31	1.02
26 27 26 00-0246	EA	3 Gang Plastic Switch Wall Plates	4.64	1.36
26 27 26 00-0247	EA	4 Gang Plastic Switch Wall Plates	7.43	1.70
26 27 26 00-0248	EA	1 Gang Duplex Plastic Wall Plate	1.99	0.68
26 27 26 00-0249	EA	2 Gang Duplex Plastic Wall Plate	3.32	1.02
26 27 26 00-0250		Thermoplastic Wall Plates (Hospital Grade) *(26 27 26 00-0235)*		
26 27 26 00-0251	EA	1 Gang Thermoplastic Hospital Grade Switch Wall Plate	9.69	0.68
26 27 26 00-0252	EA	2 Gang Thermoplastic Hospital Grade Switch Wall Plate	11.73	1.02
26 27 26 00-0253	EA	3 Gang Thermoplastic Hospital Grade Switch Wall Plate	18.38	1.36
26 27 26 00-0254	EA	4 Gang Thermoplastic Hospital Grade Switch Wall Plate	26.90	1.70
26 27 26 00-0255	EA	1 Gang Duplex Thermoplastic Hospital Grade Wall Plate	14.30	0.68
26 27 26 00-0256	EA	2 Gang Duplex Thermoplastic Hospital Grade Wall Plate	22.49	1.02
26 27 26 00-0257		Brass Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0258	EA	1 Gang, 0.04" Brass Switch Wall Plates	21.05	3.06
26 27 26 00-0259	EA	2 Gang, 0.04" Brass Switch Wall Plates	39.48	3.53
26 27 26 00-0260	EA	3 Gang, 0.04" Brass Switch Wall Plates	57.78	3.94
26 27 26 00-0261	EA	4 Gang, 0.04" Brass Switch Wall Plates	89.92	4.27
26 27 26 00-0262	EA	5 Gang, 0.04" Brass Switch Wall Plates	109.55	4.54
26 27 26 00-0263	EA	6 Gang, 0.04" Brass Switch Wall Plates	126.80	4.75
26 27 26 00-0264	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	21.05	3.06
26 27 26 00-0265	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	46.29	3.53
26 27 26 00-0266	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	66.74	3.94
26 27 26 00-0267		Stainless Steel Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0268	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	11.23	3.06
26 27 26 00-0269	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	18.03	3.53
26 27 26 00-0270	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	25.19	3.94
26 27 26 00-0271	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	37.00	4.27
26 27 26 00-0272	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	43.59	4.54
26 27 26 00-0273	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	52.74	4.75
26 27 26 00-0274	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	12.31	3.06
26 27 26 00-0275	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	20.57	3.53
26 27 26 00-0276	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	33.62	3.94
26 27 26 00-0277	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	40.65	4.27
26 27 26 00-0278		Chrome Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0279	EA	1 Gang, 0.040" Chrome Switch Wall Plate	42.19	3.06
26 27 26 00-0280	EA	2 Gang 0.040" Chrome Switch Wall Plate	79.09	3.53
26 27 26 00-0281	EA	3 Gang 0.040" Chrome Switch Wall Plate	115.95	3.94
26 27 26 00-0282	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	42.16	3.06
26 27 26 00-0283		Ceramic Wall Plates *(26 27 26 00-0235)*		
26 27 26 00-0284	EA	1 Gang, Ceramic Switch Wall Plate	22.20	3.73
26 27 26 00-0285	EA	1 Gang, Ceramic Duplex Receptacle Wall Plate	22.20	3.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0286	EA	2 Gang, Ceramic Switch Wall Plate	25.83	3.53
26 27 26 00-0287	EA	2 Gang, Ceramic Combination Switch/Receptacle Wall Plate	25.83	3.53
26 27 26 00-0288	EA	3 Gang, Ceramic Switch Wall Plate	33.47	3.94
26 27 26 00-0289		**Weatherproof Covers** *(26 27 26 00-0234)*		
26 27 26 00-0290		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	15.76	0.68
26 27 26 00-0292	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	17.09	0.68
26 27 26 00-0293	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	17.09	0.68
26 27 26 00-0294	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	17.09	0.68
26 27 26 00-0295	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	20.90	1.02
26 27 26 00-0296	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	23.78	1.02
26 27 26 00-0297	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	24.07	1.02
26 27 26 00-0298	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	24.07	1.02
26 27 26 00-0299	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	32.84	1.02
26 27 26 00-0300	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	30.97	1.36
26 27 26 00-0301	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	33.91	1.36
26 27 26 00-0302		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0303	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	19.34	0.68
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	62.27	0.68
26 27 26 00-0305	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	69.86	0.68
26 27 26 00-0306	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	19.20	0.68
26 27 26 00-0307	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	52.75	0.68
26 27 26 00-0308	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	87.90	0.68
26 27 26 00-0309	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	111.97	0.68
26 27 26 00-0310	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	24.07	1.02
26 27 26 00-0311	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	176.90	1.02
26 27 26 00-0312	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	40.39	1.36
26 27 26 00-0313	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	168.86	1.36
26 27 26 00-0314		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0315	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	6.50	0.68
26 27 26 00-0316	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	8.38	0.68
26 27 26 00-0317	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	11.22	1.02
26 27 26 00-0318	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	12.20	1.02
26 27 26 00-0319	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	12.20	1.02
26 27 26 00-0320	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	13.61	1.02
26 27 26 00-0321		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0322	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	67.70	0.68
26 27 26 00-0323		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0324	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.52	0.68
26 27 26 00-0325	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.52	0.68
26 27 26 00-0326	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.52	0.68
26 27 26 00-0327	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.68	1.02
26 27 26 00-0328	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.68	1.02
26 27 26 00-0329		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0330	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	97.36	0.68
26 27 26 00-0331		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0289)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0332	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.98	0.68
26 27 26 00-0333	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.02	1.01
26 27 26 00-0334	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.02	0.68
26 27 26 00-0335	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.53	0.68
26 27 26 00-0336	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	33.05	0.68
26 27 26 00-0337	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.82	0.68
26 27 26 00-0338	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.02	0.68
26 27 26 00-0339	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	23.41	0.68
26 27 26 00-0340	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.94	0.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0341	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	30.18	1.01
26 27 26 00-0342		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0343	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	89.13	
26 27 26 00-0344	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	11.29	
26 27 26 00-0345		**Relay Systems** *(26 27 26)*		
26 27 26 00-0346	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	102.27	30.48
26 27 26 00-0347	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	436.58	101.61
26 27 26 00-0348	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	738.05	135.48
26 27 26 00-0349		**Limit Switches** *(26 27 26)*		
26 27 26 00-0350		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0349)*		
26 27 26 00-0351		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0350)*		
26 27 26 00-0352	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	461.14	85.35
26 27 26 00-0353		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0354	EA	Single Pole Water Resistant In Line Midget Fuseholder	97.91	
26 27 26 00-0355	EA	Double Pole Water Resistant In Line Midget Fuseholder	225.77	

26 27 33 Power Distribution Units *(26 27)*

Note: Includes wiring connections and testing.

26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	22,546.12	416.60
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	27,223.79	451.55
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	31,025.87	501.27
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	35,698.13	541.91
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,953.07	677.39
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	43,700.01	812.86
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	50,421.66	948.34
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	53,018.37	1,083.83
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	56,010.01	1,219.30
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,999.91	135.48
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,989.18	169.34
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,743.03	203.21
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	2,167.64	
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,625.73	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001		**Door Bell Chime And Door Button With Built-In Viewer** *(26 27 73)*		
		Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	96.29	21.48
26 27 73 00-0003		**Wireless Door Bell System** *(26 27 73)*		
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH)	152.66	
		Note: Includes 2 push buttons		
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G)	143.89	
		Note: Includes 2 push buttons		
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300)	108.06	
		Note: Includes 2 push buttons		
26 27 73 00-0007		**Door Chimes** *(26 27 73)*		
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	769.05	282.20
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	327.54	67.74
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete	130.84	33.87
		Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001		**125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses** *(26 28 13)*		
26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	33.03	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	32.12	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.89	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.72	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.87	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.62	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.09	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.71	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.05	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.31	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.43	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0013		**Class RK1, Time Delay Fuses** *(26 28 13)*		
26 28 13 00-0014		**250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.56	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	50.60	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	53.36	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	53.00	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	50.24	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.59	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.20	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.87	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.23	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.78	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.43	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.11	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.10	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.29	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	60.09	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0030		**250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	115.06	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	114.40	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	127.79	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	113.34	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	333.84	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	242.55	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	221.71	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	233.87	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	443.94	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	476.64	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	513.01	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	393.67	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	886.02	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	836.37	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	650.31	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0046		**600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	87.19	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	80.88	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	75.59	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	77.33	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	75.83	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	76.37	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	70.61	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	70.03	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	69.25	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	70.39	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	104.61	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	104.88	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	102.72	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	103.74	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	104.64	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0062		**600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	199.50	12.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	203.92	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	202.78	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	203.68	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	378.96	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	384.79	13.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.94*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	378.26	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	377.29	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	726.63	16.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.97*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	729.34	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	823.70	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	745.38	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,346.60	20.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.41*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,196.49	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,042.06	24.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0078		**600 Volt AC, Class CC Midget Fuses** *(26 28 13)*		
		Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	63.58	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	64.63	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	64.33	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	

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26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	64.00	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	68.95	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	61.02	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	70.33	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	64.03	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	62.73	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	59.76	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	62.28	9.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 28 13 00-0090		**200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse** *(26 28 13)*		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	85.44	6.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	86.13	6.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	73.19	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.88*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	71.72	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	73.37	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	71.90	10.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.10*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	91.30	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	74.80	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	136.36	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	115.15	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	133.11	13.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	115.49	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	113.21	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	179.04	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	191.63	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	188.42	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.20*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	161.81	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	396.57	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	335.05	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	316.98	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	321.88	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	264.65	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	692.63	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	639.22	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	587.82	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	642.52	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	525.93	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,136.25	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	959.96	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	709.21	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0121		**600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses** *(26 28 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,197.05	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,201.41	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,205.46	16.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,196.64	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,022.26	20.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,162.87	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,989.75	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,226.82	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,183.14	23.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,938.81	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,991.35	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,651.75	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,929.29	27.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,967.81	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,703.34	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,493.96	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,674.44	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,724.70	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,851.53	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,797.22	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,424.57	30.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,132.69	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,537.42	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,899.19	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,924.76	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,696.94	33.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,375.49	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,066.62	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,523.14	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,077.73	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,601.43	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,905.29	37.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.35*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	74.16	24.38
		For Bolt-On, Add	*18.75*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	74.16	24.38
		For Bolt-On, Add	*18.75*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	113.82	30.48
		For Bolt-On, Add	*26.08*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	193.02	30.48
		For Bolt-On, Add	*35.98*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	283.60	30.48
		For Bolt-On, Add	*47.30*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	335.24	30.48
		For Bolt-On, Add	*53.76*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	143.12	30.48
		For Bolt-On, Add	*29.74*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	127.37	36.58
		For Bolt-On, Add	*30.15*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	127.37	36.58
		For Bolt-On, Add	*30.15*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	200.53	48.77
		For Bolt-On, Add	*44.03*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	358.20	60.96
		For Bolt-On, Add	*68.48*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	428.55	67.74
		For Bolt-On, Add	*79.65*	
		For Installation In New Panelboard, Deduct	*-37.26*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.71*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	380.47	43.35
		For Bolt-On, Add	*64.63*	
		For Installation In New Panelboard, Deduct	*-24.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.26*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	528.63	43.35
		For Bolt-On, Add	*83.15*	
		For Installation In New Panelboard, Deduct	*-24.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.26*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	269.64	48.77
		For Bolt-On, Add	*52.67*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	269.64	48.77
		For Bolt-On, Add	*52.67*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	357.32	60.96
		For Bolt-On, Add	*68.37*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	565.60	73.16
		For Bolt-On, Add	*99.15*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	732.10	85.35
		For Bolt-On, Add	*124.70*	
		For Installation In New Panelboard, Deduct	*-47.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.90*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	121.08	24.38
		For Bolt-On, Add	*24.62*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	121.08	24.38
		For Bolt-On, Add	*24.62*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	233.78	30.48
		For Bolt-On, Add	*41.08*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	386.07	30.48
		For Bolt-On, Add	*60.11*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	250.92	36.58
		For Bolt-On, Add	*45.59*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	250.92	36.58
		For Bolt-On, Add	*45.59*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	525.14	48.77
		For Bolt-On, Add	*84.61*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	722.75	60.96
		For Bolt-On, Add	*114.05*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,092.08	67.74
		For Bolt-On, Add	*162.59*	
		For Installation In New Panelboard, Deduct	*-37.26*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.71*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	412.99	48.77
		For Bolt-On, Add	*70.59*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	412.99	48.77
		For Bolt-On, Add	*70.59*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	633.61	60.96
		For Bolt-On, Add	*102.91*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	919.50	73.16
		For Bolt-On, Add	*143.39*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,461.01	85.35
		For Bolt-On, Add	*215.82*	
		For Installation In New Panelboard, Deduct	*-47.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.90*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,695.41	91.45
		For Bolt-On, Add	*247.49*	
		For Installation In New Panelboard, Deduct	*-50.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,822.35	97.54
		For Bolt-On, Add	*265.73*	
		For Installation In New Panelboard, Deduct	*-54.19*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.03*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	2,172.14	103.64
		For Bolt-On, Add	*311.82*	
		For Installation In New Panelboard, Deduct	*-57.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.09*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	151.93	24.38
		For Bolt-On, Add	*28.47*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	151.93	24.38
		For Bolt-On, Add	*28.47*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	264.25	30.48
		For Bolt-On, Add	*44.89*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	331.30	36.58
		For Bolt-On, Add	*55.64*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	331.30	36.58
		For Bolt-On, Add	*55.64*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	602.22	48.77
		For Bolt-On, Add	*94.24*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,631.42	60.96
		For Bolt-On, Add	*227.64*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	545.64	48.77
		For Bolt-On, Add	*87.17*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	545.64	48.77
		For Bolt-On, Add	*87.17*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	730.15	60.96
		For Bolt-On, Add	*114.98*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	2,022.72	73.16
		For Bolt-On, Add	*281.29*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	178.11	24.38
		For Bolt-On, Add	*31.75*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	178.11	24.38
		For Bolt-On, Add	*31.75*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	207.58	30.48
		For Bolt-On, Add	*37.80*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	382.57	30.48
		For Bolt-On, Add	*59.68*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	399.62	36.58
		For Bolt-On, Add	*64.18*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	399.62	36.58
		For Bolt-On, Add	*64.18*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	478.44	48.77
		For Bolt-On, Add	*78.77*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	702.80	60.96
		For Bolt-On, Add	*111.56*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	925.52	67.74
		For Bolt-On, Add	*141.77*	
		For Installation In New Panelboard, Deduct	*-37.26*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.71*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,161.82	79.26
		For Bolt-On, Add	*176.05*	
		For Installation In New Panelboard, Deduct	*-44.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.84*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,245.18	91.45
		For Bolt-On, Add	*191.21*	
		For Installation In New Panelboard, Deduct	*-50.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	479.58	48.77
		For Bolt-On, Add	*78.91*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	479.58	48.77
		For Bolt-On, Add	*78.91*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	557.27	60.96
		For Bolt-On, Add	*93.37*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	874.27	73.16
		For Bolt-On, Add	*137.73*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,149.63	94.83
		For Bolt-On, Add	*180.45*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,430.22	109.74
		For Bolt-On, Add	*221.45*	
		For Installation In New Panelboard, Deduct	*-60.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,522.21	116.52
		For Bolt-On, Add	*235.32*	
		For Installation In New Panelboard, Deduct	*-64.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.22*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	416.69	36.58
		For Bolt-On, Add	*66.31*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	416.69	36.58
		For Bolt-On, Add	*66.31*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	643.45	48.77
		For Bolt-On, Add	*99.40*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,071.55	60.96
		For Bolt-On, Add	*157.65*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,696.25	75.87
		For Bolt-On, Add	*241.67*	
		For Installation In New Panelboard, Deduct	*-42.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.80*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,933.03	79.26
		For Bolt-On, Add	*272.45*	
		For Installation In New Panelboard, Deduct	*-44.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.84*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,105.17	91.45
		For Bolt-On, Add	*298.71*	
		For Installation In New Panelboard, Deduct	*-50.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	604.30	48.77
		For Bolt-On, Add	*94.50*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	604.30	48.77
		For Bolt-On, Add	*94.50*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	761.90	60.96
		For Bolt-On, Add	*118.95*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,336.88	73.16
		For Bolt-On, Add	*195.56*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,971.81	94.83
		For Bolt-On, Add	*283.22*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,331.86	109.74
		For Bolt-On, Add	*334.16*	
		For Installation In New Panelboard, Deduct	*-60.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,527.04	116.52
		For Bolt-On, Add	*360.93*	
		For Installation In New Panelboard, Deduct	*-64.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.22*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	433.65	36.58
		For Bolt-On, Add	*68.43*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	433.65	36.58
		For Bolt-On, Add	*68.43*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	800.06	48.77
		For Bolt-On, Add	*118.97*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,505.78	60.96
		For Bolt-On, Add	*211.93*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,414.03	75.87
		For Bolt-On, Add	*331.39*	
		For Installation In New Panelboard, Deduct	*-42.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.80*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,758.55	79.26
		For Bolt-On, Add	*375.64*	
		For Installation In New Panelboard, Deduct	*-44.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.84*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	2,996.02	91.45
		For Bolt-On, Add	*410.06*	
		For Installation In New Panelboard, Deduct	*-50.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.96*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	721.75	48.77
		For Bolt-On, Add	*109.19*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	721.75	48.77
		For Bolt-On, Add	*109.19*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	965.49	60.96
		For Bolt-On, Add	*144.40*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,833.03	73.16
		For Bolt-On, Add	*257.58*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,312.89	94.83
		For Bolt-On, Add	*325.86*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,749.25	109.74
		For Bolt-On, Add	*511.33*	
		For Installation In New Panelboard, Deduct	*-60.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.16*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,994.57	116.52
		For Bolt-On, Add	*544.37*	
		For Installation In New Panelboard, Deduct	*-64.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.22*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	220.86	24.38
		For Bolt-On, Add	*37.09*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	220.86	24.38
		For Bolt-On, Add	*37.09*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	399.03	30.48
		For Bolt-On, Add	*61.73*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	503.12	36.58
		For Bolt-On, Add	*77.12*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	503.12	36.58
		For Bolt-On, Add	*77.12*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	943.80	48.77
		For Bolt-On, Add	*136.94*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,792.89	60.96
		For Bolt-On, Add	*247.82*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	3,548.06	75.87
		For Bolt-On, Add	*473.14*	
		For Installation In New Panelboard, Deduct	*-42.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.80*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	847.09	48.77
		For Bolt-On, Add	*124.85*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	847.09	48.77
		For Bolt-On, Add	*124.85*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,139.63	60.96
		For Bolt-On, Add	*166.16*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,211.50	73.16
		For Bolt-On, Add	*304.89*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	4,411.79	94.83
		For Bolt-On, Add	*588.22*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	341.30	24.38
		For Bolt-On, Add	*52.15*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	341.30	24.38
		For Bolt-On, Add	*52.15*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	527.12	30.48
		For Bolt-On, Add	*77.74*	
		For Installation In New Panelboard, Deduct	*-16.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.32*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	642.46	36.58
		For Bolt-On, Add	*94.53*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	642.46	36.58
		For Bolt-On, Add	*94.53*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,243.77	48.77
		For Bolt-On, Add	*174.44*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,301.86	60.96
		For Bolt-On, Add	*311.44*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	4,677.54	67.74
		For Bolt-On, Add	*610.77*	
		For Installation In New Panelboard, Deduct	*-37.26*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.71*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,126.32	48.77
		For Bolt-On, Add	*159.76*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,126.32	48.77
		For Bolt-On, Add	*159.76*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,571.04	60.96
		For Bolt-On, Add	*220.09*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,589.96	73.16
		For Bolt-On, Add	*352.19*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	5,886.96	94.83
		For Bolt-On, Add	*772.62*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	133.41	24.38
		For Bolt-On, Add	*26.16*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	304.55	36.58
		For Bolt-On, Add	*52.29*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	497.28	48.77
		For Bolt-On, Add	*81.13*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	320.66	24.38
		For Bolt-On, Add	*49.57*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	320.66	24.38
		For Bolt-On, Add	*49.57*	
		For Installation In New Panelboard, Deduct	*-13.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.26*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	638.23	48.77
		For Bolt-On, Add	*98.75*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	757.24	36.58
		For Bolt-On, Add	*108.88*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	757.24	36.58
		For Bolt-On, Add	*108.88*	
		For Installation In New Panelboard, Deduct	*-20.32*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.39*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,502.46	48.77
		For Bolt-On, Add	*206.77*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,588.97	60.96
		For Bolt-On, Add	*347.33*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	5,802.26	75.87
		For Bolt-On, Add	*754.92*	
		For Installation In New Panelboard, Deduct	*-42.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.80*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,290.52	48.77
		For Bolt-On, Add	*180.28*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,290.52	48.77
		For Bolt-On, Add	*180.28*	
		For Installation In New Panelboard, Deduct	*-27.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.51*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,809.41	60.96
		For Bolt-On, Add	*249.89*	
		For Installation In New Panelboard, Deduct	*-33.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.64*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,798.77	73.16
		For Bolt-On, Add	*378.30*	
		For Installation In New Panelboard, Deduct	*-40.64*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.77*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	7,215.39	94.83
		For Bolt-On, Add	*938.67*	
		For Installation In New Panelboard, Deduct	*-52.50*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.00*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	522.46	135.48
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	829.53	163.25
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,145.83	191.03
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,978.36	300.76
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,236.31	467.40
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,089.41	690.94
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,693.30	812.86
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,038.52	948.34

26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	804.56	150.52
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	970.77	181.41
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,556.77	212.02
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,298.14	334.63
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,050.23	519.15
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,879.90	767.35
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,691.83	902.69
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,003.81	1,053.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	739.85	212.70
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,095.53	282.47
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,486.26	313.63
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,351.95	491.11
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,921.25	806.09
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,035.11	1,129.21
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	973.91	235.06
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,235.35	313.63
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,838.48	352.92
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,704.00	537.85
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,077.27	868.42
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,803.47	1,254.52
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,684.12	1,490.25
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,084.22	1,693.47
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	715.69	212.70
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,064.32	282.47
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,429.47	313.63
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,430.05	491.11
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,361.42	806.09
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,697.31	1,129.21
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,469.71	1,422.52
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,862.60	1,625.73
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,062.53	235.06
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,344.27	313.63
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,997.73	352.92
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,942.40	537.85
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,585.91	868.42
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,701.80	1,254.52
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,175.57	1,490.25
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	21,695.29	1,693.47
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	507.18	196.03
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	791.42	272.72
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,097.70	313.63
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,718.53	501.81
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,487.15	836.30
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,727.24	1,140.45
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,212.38	1,354.78
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,867.66	1,581.16

26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*

26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	560.24	216.36
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	896.60	306.05
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,241.38	348.45
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,926.30	545.44
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,752.08	896.05
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,334.77	1,254.39
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,124.08	1,354.78
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,116.20	1,581.16

26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*

26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	589.04	176.12
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	905.29	245.22
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,228.63	282.47
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,929.10	451.82
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,885.16	752.58
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,291.33	1,026.24
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,908.94	1,219.30
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,240.56	1,422.52

26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*

26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	642.31	194.41
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	994.72	275.70
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,338.79	313.63
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,080.91	491.11
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,162.65	806.09
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,799.36	1,129.21
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,512.21	1,219.30

26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*

26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	687.28	194.68
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,071.41	275.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,463.52	313.63
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,273.03	490.84
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,431.39	806.36
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,594.72	1,128.94
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,420.08	1,219.30
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,274.81	1,422.52
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,021.00	176.39
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,229.26	245.49
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,896.83	282.20
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,842.98	451.55
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,105.24	194.41
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,341.87	275.70
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,054.73	313.63
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,060.08	491.11
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,230.42	194.68
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,479.94	275.43
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,303.03	313.63
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,421.78	490.84
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	359.45	117.87
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	492.39	141.84
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	764.24	165.82
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,420.55	261.61
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,406.91	405.75
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,391.98	600.57
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	493.79	185.20
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	699.13	245.49
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	977.99	272.72
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,752.56	426.89
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,001.12	701.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,160.75	981.67
26 28 16 16-0131		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	552.20	185.20
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	793.30	245.49
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,063.67	272.72
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,968.43	426.89
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,370.11	701.23
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,394.66	981.67
26 28 16 16-0138		**General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)*		
26 28 16 16-0139		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	490.76	163.93
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	657.07	188.45
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,500.26	301.16
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,236.40	501.27
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,626.68	683.08
26 28 16 16-0145		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	463.81	153.36
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	635.10	213.37
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	976.31	245.49
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,684.25	392.75
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,544.19	654.63
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,047.73	892.26
26 28 16 16-0152		**NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0153		**Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	772.46	159.18
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,236.89	191.03
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,548.06	222.18
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,264.25	338.69
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,029.98	541.91
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,844.99	722.77
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,296.38	812.86
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,635.74	948.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,337.44	212.16
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,591.63	260.12
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,268.23	298.73
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,192.28	448.03
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,978.21	733.07
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,876.84	1,008.09
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,973.78	1,160.77
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,897.85	1,306.69
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	979.22	250.63
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,562.89	331.92
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,888.33	364.43
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,796.80	564.26
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,084.61	940.89
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,190.62	1,254.52
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,510.04	297.10
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,800.42	364.16
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,419.48	418.08
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,512.11	627.26
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,434.21	1,026.37
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,486.07	1,411.27
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,139.05	1,625.73
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,925.44	1,828.95
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,078.25	250.63
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,565.76	331.92
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,027.59	364.43
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,889.68	564.26
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,169.81	940.89
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,127.77	1,254.52
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,660.69	1,422.52
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	23,280.11	1,625.73
26 28 16 16-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,566.86	297.37
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,864.31	364.43
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,561.47	417.95
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,604.40	627.26
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,767.89	1,026.24
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,869.44	1,411.00
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,346.26	1,625.73
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	24,516.70	1,828.95
26 28 16 16-0206		Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	734.93	139.40
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,204.69	193.05
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,588.35	221.37
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,104.63	358.47
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,713.04	597.99
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,634.72	797.29
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,937.56	948.75
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,422.40	1,084.23
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	827.89	153.64
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,365.73	215.01
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,794.50	242.78
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,338.75	376.36
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,355.88	627.26
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,325.96	836.30
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,866.48	993.87
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,643.65	1,128.94
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	874.31	209.04
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,397.69	289.52
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,809.73	332.05
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,463.03	537.72
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,382.34	896.86
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,571.70	1,195.59
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,042.30	1,422.52
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,950.41	1,625.73

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	949.56	230.31
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,522.33	322.58
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,955.82	364.16
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,615.92	564.53
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,726.35	940.76
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,201.47	1,254.39
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,048.74	1,490.25
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,276.45	1,693.47
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	497.77	230.31
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,580.77	322.58
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,037.29	364.16
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,715.08	564.53
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,983.09	940.76
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,162.24	1,254.39
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,026.76	1,490.25
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,246.54	1,693.47
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
		Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	466.92	138.46
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	662.82	166.09
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	875.15	193.19
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,808.63	294.52
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,458.03	471.19
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,930.20	628.61
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	627.12	218.26
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	908.61	288.71
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,121.72	316.75
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,202.54	490.84
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,154.47	818.02
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,866.02	1,091.14
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	708.97	218.12
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	990.69	288.71
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,385.99	316.75
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,373.23	490.84
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,264.12	818.15
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,722.08	1,091.14
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,937.51	1,236.10
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	421.84	121.25
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	694.54	167.86
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	727.85	192.51
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,843.60	311.59
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,556.55	519.96
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,063.29	693.24
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	661.39	181.81
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	953.46	251.72
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,406.95	288.71
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,422.40	467.54
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,090.84	135.48
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,511.56	163.25
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,143.62	190.76
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,109.09	301.03
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,472.67	467.13
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,800.71	690.67
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,656.30	150.52
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,951.99	181.27
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,560.48	211.89
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,853.70	334.63
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,025.23	519.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,540.90	767.35
26 28 16 16-0304		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,341.13	212.97
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,932.22	282.20
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,624.88	313.63
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,989.69	490.84
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,599.12	806.36
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,264.23	1,128.94
26 28 16 16-0311		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,832.99	235.19
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,224.64	313.63
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,858.20	352.79
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,281.96	537.57
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,104.96	868.42
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,914.10	1,254.39
26 28 16 16-0318		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,804.20	212.97
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,511.12	282.20
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,783.25	313.63
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,573.71	490.84
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,716.68	806.36
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,548.52	1,128.94
26 28 16 16-0325		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,380.18	235.19
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,845.13	313.63
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,040.61	352.79
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,879.22	537.57
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,264.59	868.42
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	27,256.79	1,254.39
26 28 16 16-0332		**Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)*		
26 28 16 16-0333		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,005.38	135.48
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,437.84	188.45
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,607.13	216.76
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,386.21	346.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,633.55	576.59
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,667.34	785.50
26 28 16 16-0340		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,281.20	149.43
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,777.81	211.35
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,251.51	240.87
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,259.78	376.36
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,216.36	619.41
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,987.25	867.06
26 28 16 16-0347		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,087.24	176.39
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,518.93	245.49
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,625.33	282.20
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,076.76	451.55
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,198.90	752.71
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,646.21	1,026.37
26 28 16 16-0354		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,371.51	194.68
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,905.96	275.43
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,397.00	313.63
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,488.68	490.84
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,974.80	806.36
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,079.12	1,128.94
26 28 16 16-0361		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,878.92	176.39
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,447.51	245.49
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,793.83	282.20
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,886.64	451.55
26 28 16 16-0366		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,276.28	194.68
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,929.74	275.43
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,889.32	313.63
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,534.23	490.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,808.95	235.06
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,335.66	313.63
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,821.28	352.92
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,169.97	537.85
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,570.20	194.41
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,085.92	275.70
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,396.38	313.63
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,045.26	491.11
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,359.91	235.06
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,952.17	313.63
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,987.19	352.92
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,091.51	194.41
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,669.66	275.70
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,515.47	313.63
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,436.89	270.95
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,878.71	322.58
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,300.54	364.16
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	9,153.66	564.53
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,654.51	322.58
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,108.32	364.16
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,728.38	564.53
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	751.59	135.48
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	983.33	163.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,346.10	191.03
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,273.18	300.76
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,874.61	467.40
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,821.69	690.94
26 28 16 16-0410		**600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,188.52	150.38
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,221.94	181.54
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,766.75	212.02
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,763.74	334.63
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,058.37	518.88
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,019.77	767.48
26 28 16 16-0417		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,041.24	212.70
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,444.08	282.47
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,981.02	313.63
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,941.14	491.11
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,794.49	806.09
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,324.97	1,129.21
26 28 16 16-0424		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,393.38	235.06
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,571.46	313.63
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,331.41	352.92
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,389.70	537.85
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,139.69	868.42
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,484.85	1,254.52
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,114.71	212.70
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,494.55	282.47
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,139.43	313.63
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,140.02	491.11
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,326.99	806.09
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,684.71	1,129.21
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,478.55	235.06
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,798.65	313.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,487.63	352.92
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,687.87	537.85
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,622.46	868.42
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,882.42	1,254.52
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	787.34	195.76
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,042.84	272.99
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,387.62	313.63
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,973.59	501.95
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,367.64	836.57
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,935.00	1,140.72
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	877.83	216.09
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,158.77	306.18
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,546.68	348.17
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,144.33	545.30
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,623.35	896.19
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,662.39	1,254.52
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,013.71	176.12
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,331.43	245.22
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,780.42	282.47
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,532.99	451.82
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,369.66	752.58
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,501.29	1,026.24
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	988.52	194.41
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,438.18	275.70
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,905.14	313.63
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,493.94	491.11
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,382.74	806.09
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,138.55	1,129.21
26 28 16 16-0474		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,223.88	176.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,450.96	245.22
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,270.07	282.47
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,599.06	451.82
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,551.32	575.78
26 28 16 16-0480		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,269.67	194.41
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,580.17	275.70
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,423.41	313.63
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,693.76	491.11
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,944.79	758.67
26 28 16 16-0486		**Double Throw Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0487		**NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0488		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	942.86	174.09
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,397.05	227.61
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,962.64	297.37
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,618.56	386.79
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,381.31	483.65
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,624.23	775.61
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,307.55	1,083.83
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,664.62	1,219.30
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,182.12	1,354.78
26 28 16 16-0498		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,186.40	243.86
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,659.16	318.37
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,506.41	416.60
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,690.36	541.91
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,791.85	677.39
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,248.51	1,083.83
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,345.66	1,219.30
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,572.93	1,354.78
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,407.60	1,490.25
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,266.40	1,761.21
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,168.11	2,032.17
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,869.46	2,303.12
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	48,178.67	2,574.08
26 28 16 16-0512		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,579.10	304.82
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,303.79	398.30
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,114.71	520.23
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,641.50	676.04
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,442.44	846.73
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,436.67	1,356.80
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,303.49	1,490.25
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,408.36	1,557.99
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,395.43	1,625.73
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	33,450.23	1,896.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	38,491.82	2,167.64
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	54,766.95	2,438.59
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	60,552.32	2,709.56
26 28 16 16-0526		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,618.46	227.61
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,440.09	297.37
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,604.09	386.79
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,560.14	483.65
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,644.27	775.61
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,421.59	1,083.83
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,387.22	1,219.30
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,229.39	1,354.78
26 28 16 16-0535		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,799.80	318.37
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,677.81	416.60
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,913.04	541.91
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,947.29	677.39
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,262.68	1,083.83
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,536.37	1,219.30
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,423.56	1,354.78
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,550.31	1,490.25
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,101.72	1,761.21
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	36,524.19	2,032.17
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,869.40	2,303.12
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	52,481.72	2,574.08
26 28 16 16-0548		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,442.30	398.30
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,315.31	520.23
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,055.43	676.04
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,325.19	846.73
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,425.66	1,356.80
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,835.79	1,490.25
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,537.61	1,557.99
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	29,809.82	1,625.73
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	36,415.91	1,896.69
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	41,907.47	2,167.64
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	59,755.94	2,438.59
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	66,065.64	2,709.56
26 28 16 16-0561		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0562		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,464.63	297.37
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,699.72	386.79
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,793.33	483.65
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	32,377.28	775.61
26 28 16 16-0567		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,226.26	415.91
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,229.69	541.24
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,348.45	677.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	20,971.27	1,085.85
26 28 16 16-0572		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,124.87	304.96
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,871.78	398.03
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,435.53	520.10
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,872.21	676.31
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,415.29	846.73
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,590.97	1,356.95
26 28 16 16-0579		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,094.25	227.61
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,195.39	297.37
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,841.55	386.79
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,281.62	483.65
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,055.60	775.61
26 28 16 16-0585		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,362.75	318.37
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,570.30	415.91
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,417.18	541.24
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,211.66	677.39
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,383.87	1,085.85
26 28 16 16-0591		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,903.88	398.03
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,450.24	520.10
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,076.64	676.31
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,391.15	846.73
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,724.01	1,356.95
26 28 16 16-0597		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0598		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,511.94	174.23
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,840.57	227.46
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,207.82	297.24
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,413.34	386.52
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,284.27	483.80
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,138.20	775.34
26 28 16 16-0605		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,879.59	243.86
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,401.31	318.37
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,030.27	415.91
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,625.35	541.24
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,302.43	677.39
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,583.27	1,085.85
26 28 16 16-0612		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,311.85	304.96
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,038.30	398.03
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,911.75	520.10
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,393.76	676.31
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,454.63	846.73
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	21,638.79	1,356.95
26 28 16 16-0619		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,759.08	227.46
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,943.59	297.24
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,505.01	386.52
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,842.12	483.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,537.78	775.34
26 28 16 16-0625		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,114.91	318.37
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,357.75	415.91
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,167.93	541.24
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,748.61	677.39
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,838.25	1,085.85
26 28 16 16-0631		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,090.62	398.03
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,297.75	520.10
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,621.27	676.31
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,944.34	846.73
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	22,287.90	1,356.95
26 28 16 16-0637		**Removal And Reinstallation Of Disconnect (Safety) Switches** *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	677.39	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	880.64	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	982.29	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,151.63	
26 28 16 16-0642		**Bolted Contact Switches** *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		**Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0642)*		
26 28 16 16-0644		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,803.68	1,354.78
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,692.86	1,625.73
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,722.28	1,896.69
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,431.15	2,167.64
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	15,168.48	2,438.59
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	19,029.52	2,709.56
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	25,656.34	3,251.47
26 28 16 16-0652		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,451.47	1,354.78
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,467.54	1,625.73
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,490.28	1,896.69
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	14,533.08	2,167.64
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	16,357.22	2,438.59
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	21,260.07	2,709.56
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	27,980.39	3,251.47
26 28 16 16-0660		**Manually Operated, Bolted Contact Switches** *(26 28 16 16-0642)*		
26 28 16 16-0661		**Top Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0660)*		
26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,891.93	1,354.78
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,815.84	1,625.73
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,794.50	1,896.69
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,765.17	2,167.64
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,802.61	2,438.59
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,663.65	2,709.56
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	22,210.33	3,251.47
26 28 16 16-0669		**Bottom Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0660)*		
26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	8,320.68	1,354.78
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,463.64	1,625.73
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	10,422.27	1,896.69
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	11,594.62	2,167.64
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,844.43	2,438.59
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	17,727.24	2,709.56
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	24,374.10	3,251.47

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13		**Across-The-Line Motor Controllers** *(26 29 13)*		
26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	253.88	67.89
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	332.52	88.25
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	286.84	67.89
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	365.48	88.25
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	268.17	67.89
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	351.20	88.25
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	538.10	81.47
		For Pilot Light, Add	*126.33*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	620.03	101.83
		For Pilot Light, Add	*126.33*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	571.06	81.47
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	649.70	101.83
26 29 13 13-0013		Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	205.74	67.89
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	334.45	88.25
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	232.03	74.67
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	361.81	95.04
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	236.48	67.89
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	366.25	88.25
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	495.77	81.47
		For Pilot Light, Add	*120.84*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	612.83	101.83
		For Pilot Light, Add	*120.84*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	523.13	88.25
		For Pilot Light, Add	*120.84*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	637.01	108.62
			For Pilot Light, Add	*120.84*	
	26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	525.46	81.47
	26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	650.99	101.83
	26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	150.16	47.52
			For Pilot Light, Add	*76.32*	
	26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	278.88	67.89
			For Pilot Light, Add	*76.32*	
	26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	176.46	54.31
			For Pilot Light, Add	*76.32*	
	26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	305.17	74.67
			For Pilot Light, Add	*76.32*	
26 29 13 13-0030			**Reversing Manual Motor Starters** *(26 29 13 13-0001)*		
	26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	548.62	122.20
			For Pilot Light, Add	*122.96*	
	26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	793.33	162.93
			For Pilot Light, Add	*122.96*	
26 29 13 13-0033			**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
	26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	548.62	122.20
	26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	793.33	162.93
26 29 13 13-0036			**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
	26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	500.21	81.47
	26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	500.21	81.47
	26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	1,028.31	95.04
	26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	1,028.31	95.04
	26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,340.30	95.04
	26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	636.13	95.04
	26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	426.52	61.09
	26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	592.88	88.25
	26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	592.88	88.25
	26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,229.74	101.83
	26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,229.74	101.83
	26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,565.89	101.83
	26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	728.79	101.83
	26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	519.20	67.89
	26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	776.74	95.04
	26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	776.74	95.04
	26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,460.83	108.62
	26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,460.83	108.62
	26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,782.71	108.62
	26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	915.94	108.62
	26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	706.34	74.67
	26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	619.49	101.83
	26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	619.49	101.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,147.60	115.40
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,147.60	115.40
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,468.38	115.40
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	756.51	115.40
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	549.10	81.47
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	712.17	108.62
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	712.17	108.62
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,349.03	122.20
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,349.03	122.20
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,692.88	122.20
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	848.09	122.20
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	638.48	88.25
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,437.00	142.56
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,437.00	142.56
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,262.15	101.83
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,698.14	156.14
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,523.31	115.40
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,437.00	142.56
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,262.15	101.83
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,698.14	156.14
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,523.31	115.40
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	586.84	135.78
		For Factory Installed Accessory, Deduct	*-271.55*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	660.14	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	632.98	135.78
		For Factory Installed Accessory, Deduct	*-271.55*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	707.37	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	780.66	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	986.27	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,240.21	244.40
		For Factory Installed Accessory, Deduct	*-488.79*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	737.04	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	810.33	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	885.82	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,133.26	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,386.09	278.34
		For Factory Installed Accessory, Deduct	*-556.68*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,234.37	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,376.26	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,794.36	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,846.44	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,108.55	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,681.55	339.44
		For Factory Installed Accessory, Deduct	*-678.87*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,819.20	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,152.52	339.44
		For Factory Installed Accessory, Deduct	*-678.87*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,570.62	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,176.27	475.22
		For Factory Installed Accessory, Deduct	*-950.42*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,341.98	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,271.58	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	23,972.93	814.64
		For Factory Installed Accessory, Deduct	*-1,629.30*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	34,332.97	1,221.97
		For Factory Installed Accessory, Deduct	*-2,443.94*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	620.89	135.78
		For Factory Installed Accessory, Deduct	*-271.55*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	694.19	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	667.03	135.78
		For Factory Installed Accessory, Deduct	*-271.55*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	742.53	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	815.82	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,023.62	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,278.66	244.40
		For Factory Installed Accessory, Deduct	*-488.79*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	773.29	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	848.78	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	922.07	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,170.61	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,422.35	278.34
		For Factory Installed Accessory, Deduct	*-556.68*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,396.96	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,539.95	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,956.95	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,166.13	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,427.13	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	3,001.23	339.44
		For Factory Installed Accessory, Deduct	*-678.87*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,814.95	339.44
		For Factory Installed Accessory, Deduct	*-678.87*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,233.05	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,478.90	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,282.28	814.64
		For Factory Installed Accessory, Deduct	*-1,629.30*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	39,657.69	1,221.97
		For Factory Installed Accessory, Deduct	*-2,443.94*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	930.38	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	1,003.67	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,109.93	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,739.71	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,883.80	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,572.59	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,832.50	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,578.79	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	13,922.89	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	33,505.15	814.64
		For Factory Installed Accessory, Deduct	*-1,629.30*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,364.00	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,412.34	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,485.64	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,734.17	237.60
			For Factory Installed Accessory, Deduct	*-475.22*	
	26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,667.07	203.66
			For Factory Installed Accessory, Deduct	*-407.33*	
	26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,022.24	271.55
			For Factory Installed Accessory, Deduct	*-543.10*	
	26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,956.39	407.33
			For Factory Installed Accessory, Deduct	*-814.64*	
	26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	13,922.89	543.10
			For Factory Installed Accessory, Deduct	*-1,086.20*	
	26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,104.03	814.64
			For Factory Installed Accessory, Deduct	*-1,629.30*	
	26 29 13 13-0157		**NEMA 7/9, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
			Note: Bolted cast iron enclosure.		
	26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,708.50	217.24
			For Factory Installed Accessory, Deduct	*-434.48*	
	26 29 13 13-0159		**Non-Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
	26 29 13 13-0160		**Open Enclosure, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
	26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	695.59	135.78
			For Factory Installed Accessory, Deduct	*-271.55*	
	26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	722.75	149.35
			For Factory Installed Accessory, Deduct	*-298.71*	
	26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	776.58	149.35
			For Factory Installed Accessory, Deduct	*-298.71*	
	26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	858.66	162.93
			For Factory Installed Accessory, Deduct	*-325.86*	
	26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,377.53	244.40
			For Factory Installed Accessory, Deduct	*-488.79*	
	26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	882.83	162.93
			For Factory Installed Accessory, Deduct	*-325.86*	
	26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,034.13	176.51
			For Factory Installed Accessory, Deduct	*-353.02*	
	26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,080.27	176.51
			For Factory Installed Accessory, Deduct	*-353.02*	
	26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,334.34	162.93
			For Factory Installed Accessory, Deduct	*-325.86*	
	26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,517.98	203.66
			For Factory Installed Accessory, Deduct	*-407.33*	
	26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,342.54	271.55
			For Factory Installed Accessory, Deduct	*-543.10*	
	26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,930.95	407.33
			For Factory Installed Accessory, Deduct	*-814.64*	
	26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,140.23	543.10
			For Factory Installed Accessory, Deduct	*-1,086.20*	
	26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,529.59	814.64
			For Factory Installed Accessory, Deduct	*-1,629.30*	
	26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	36,784.96	1,221.97
			For Factory Installed Accessory, Deduct	*-2,443.94*	
	26 29 13 13-0176		**NEMA 1, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
	26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	731.85	135.78
			For Factory Installed Accessory, Deduct	*-271.55*	
	26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	759.01	149.35
			For Factory Installed Accessory, Deduct	*-298.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	812.84	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	894.91	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	917.98	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	1,001.17	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,117.62	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,498.02	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,681.66	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,662.22	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,593.38	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,350.84	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	1,000.69	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,082.77	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,105.84	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,189.02	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,305.47	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,841.87	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,024.41	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,067.59	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,938.02	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,791.54	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	37,581.91	814.64
		For Factory Installed Accessory, Deduct	*-1,629.30*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	1,000.69	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,082.77	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,105.84	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,189.02	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,305.47	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,841.87	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,024.41	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,067.59	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,938.02	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,823.55	230.82
		For Factory Installed Accessory, Deduct	*-461.64*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,462.91	230.82
		For Factory Installed Accessory, Deduct	*-461.64*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,569.15	244.40
		For Factory Installed Accessory, Deduct	*-488.79*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,516.29	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,653.94	339.44
		For Factory Installed Accessory, Deduct	*-678.87*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,593.59	475.22
		For Factory Installed Accessory, Deduct	*-950.42*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,359.92	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,443.10	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,481.55	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,564.73	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,681.18	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,622.95	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,256.24	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,314.52	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,437.97	543.10
		For Factory Installed Accessory, Deduct	*-1,086.20*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,808.78	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,185.62	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,190.86	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,731.57	217.24
		For Factory Installed Accessory, Deduct	*-434.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,823.55	230.82
		For Factory Installed Accessory, Deduct	*-461.64*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,863.09	230.82
		For Factory Installed Accessory, Deduct	*-461.64*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,950.67	244.40
		For Factory Installed Accessory, Deduct	*-488.79*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,084.69	244.40
		For Factory Installed Accessory, Deduct	*-488.79*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,523.19	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,301.08	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,370.29	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,516.08	190.09
		For Factory Installed Accessory, Deduct	*-380.17*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,574.00	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,612.45	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,725.29	217.24
		For Factory Installed Accessory, Deduct	*-434.48*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,798.99	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,838.53	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,123.62	271.55
		For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,101.22	407.33
		For Factory Installed Accessory, Deduct	*-814.64*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,691.26	610.99
		For Factory Installed Accessory, Deduct	*-1,221.97*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,742.85	814.64
		For Factory Installed Accessory, Deduct	*-1,629.30*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	70,273.91	1,493.52
		For Factory Installed Accessory, Deduct	*-2,987.05*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,339.83	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,399.95	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,439.50	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,582.00	190.09
		For Factory Installed Accessory, Deduct	*-380.17*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,642.11	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,681.66	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,824.16	217.24
		For Factory Installed Accessory, Deduct	*-434.48*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,897.86	237.60
			For Factory Installed Accessory, Deduct	*-475.22*	
	26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,937.40	237.60
			For Factory Installed Accessory, Deduct	*-475.22*	
	26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,380.68	271.55
			For Factory Installed Accessory, Deduct	*-543.10*	
	26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,546.14	407.33
			For Factory Installed Accessory, Deduct	*-814.64*	
	26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,508.59	610.99
			For Factory Installed Accessory, Deduct	*-1,221.97*	
26 29 13 13-0267	NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*				
	26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,923.34	203.66
			For Factory Installed Accessory, Deduct	*-407.33*	
	26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,962.89	203.66
			For Factory Installed Accessory, Deduct	*-407.33*	
	26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,218.64	237.60
			For Factory Installed Accessory, Deduct	*-475.22*	
	26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,850.87	271.55
			For Factory Installed Accessory, Deduct	*-543.10*	
26 29 13 13-0272	NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*				
			Note: Brushed stainless steel enclosure.		
	26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,400.12	203.66
			For Factory Installed Accessory, Deduct	*-407.33*	
	26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,826.05	217.24
			For Factory Installed Accessory, Deduct	*-434.48*	
26 29 13 13-0275	Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*				
	26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	179.26	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	303.28	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	179.26	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	303.28	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	303.28	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	151.18	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	134.90	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	179.26	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	151.18	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	201.81	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	225.09	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	386.70	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	410.50	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	491.19	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	855.74	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	855.74	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	
	26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	53.07	10.18
			For Factory Installed Accessory, Deduct	*-20.36*	
	26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	107.34	13.58
			For Factory Installed Accessory, Deduct	*-27.16*	
	26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	141.68	16.97
			For Factory Installed Accessory, Deduct	*-33.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	111.61	16.97
		For Factory Installed Accessory, Deduct	*-33.94*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	62.09	10.18
		For Factory Installed Accessory, Deduct	*-20.36*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	38.28	10.18
		For Factory Installed Accessory, Deduct	*-20.36*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	196.28	13.58
		For Factory Installed Accessory, Deduct	*-27.16*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	338.36	16.97
		For Factory Installed Accessory, Deduct	*-33.94*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	652.13	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	651.03	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	704.56	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	691.68	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	751.80	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	726.83	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	845.66	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	936.84	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,176.10	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	663.43	149.35
		For Factory Installed Accessory, Deduct	*-298.71*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	716.95	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	714.75	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	771.57	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	756.50	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	817.71	176.51
		For Factory Installed Accessory, Deduct	*-353.02*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	793.85	162.93
		For Factory Installed Accessory, Deduct	*-325.86*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	911.57	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	999.45	203.66
		For Factory Installed Accessory, Deduct	*-407.33*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,239.82	237.60
		For Factory Installed Accessory, Deduct	*-475.22*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	201.81	16.97
		For Factory Installed Accessory, Deduct	*-33.94*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0325		**Non-Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	198.40	67.89
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	231.74	74.67
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	231.74	74.67
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	257.41	81.47
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	218.17	67.89
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	229.16	67.89
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	250.42	74.67
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	261.40	74.67
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	257.01	74.67
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	261.40	74.67
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	279.38	81.47
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	267.99	74.67
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	290.36	81.47
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	270.19	74.67
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	270.19	74.67
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	301.35	81.47
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	301.35	81.47
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	278.59	67.89
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	300.56	67.89
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	332.81	74.67
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	332.81	74.67
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	354.78	74.67
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	372.76	81.47
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	372.76	81.47
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	319.24	67.89
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	341.21	67.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	371.26	74.67
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	393.23	74.67
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	417.80	81.47
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	439.77	81.47
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	359.18	74.67
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	410.81	74.67
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	463.94	81.47

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	85.14	33.94
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	93.62	33.94
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	108.98	33.94
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	139.53	33.94

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,947.32	650.29
		For NEMA 4, Add	*827.39*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,827.16	867.06
		For NEMA 4, Add	*1,511.28*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	24,119.27	1,029.63
		For NEMA 4, Add	*2,758.32*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	58,599.67	1,259.94
		For NEMA 4, Add	*7,011.35*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	93,424.00	1,612.18
		For NEMA 4, Add	*11,274.79*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,892.19	664.11
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,726.45	868.42
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,935.47	1,026.37
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	58,132.47	1,254.39
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	92,672.71	1,612.86

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	194.93	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	214.99	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	365.96	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	198.83	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	285.90	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	142.95	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	466.59	

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,875.53	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,811.50	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	640.42	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	530.66	

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,478.79	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,533.40	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,642.97	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volt, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,841.33	311.59
		For Electronic Overloads, Add	*230.68*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,262.55	487.72
		For Electronic Overloads, Add	*243.36*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,156.95	569.01
		For Electronic Overloads, Add	*385.31*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,786.74	704.48
		For Electronic Overloads, Add	*641.35*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,768.82	1,124.47
		For Electronic Overloads, Add	*1,237.06*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	17,440.76	1,408.97
		For Electronic Overloads, Add	*2,777.48*	
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,321.64	311.59
		For Electronic Overloads, Add	*321.94*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,742.86	487.72
		For Electronic Overloads, Add	*334.62*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,623.92	569.01
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,040.24	704.48
		For Electronic Overloads, Add	*689.51*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,223.09	1,124.47
		For Electronic Overloads, Add	*1,513.37*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	21,296.58	1,408.97
		For Electronic Overloads, Add	*3,510.08*	
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	218.73	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	513.74	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	354.57	
26 29 13 13-0420		**NEMA 4 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,331.22	406.44
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,690.63	569.01
		For Electronic Overloads, Add	*486.71*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,257.00	623.20
		For Electronic Overloads, Add	*760.49*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,323.04	758.67
		For Electronic Overloads, Add	*1,295.37*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,171.66	1,124.47
		For Electronic Overloads, Add	*2,073.60*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	28,674.67	1,408.97
		For Electronic Overloads, Add	*4,911.92*	
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,811.53	406.44
		For Electronic Overloads, Add	*565.30*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,170.94	569.01
		For Electronic Overloads, Add	*577.97*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,723.97	623.20
		For Electronic Overloads, Add	*849.21*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,576.53	758.67
		For Electronic Overloads, Add	*1,343.53*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,625.93	1,124.47
		For Electronic Overloads, Add	*2,349.91*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	27,167.03	1,408.97
		For Electronic Overloads, Add	*4,625.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	218.76	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	513.74	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	354.57	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,902.03	313.63
		For Electronic Overloads, Add	*242.22*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,326.58	490.84
		For Electronic Overloads, Add	*255.52*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,258.35	564.53
		For Electronic Overloads, Add	*404.58*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,955.51	705.56
		For Electronic Overloads, Add	*673.41*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,094.36	1,129.07
		For Electronic Overloads, Add	*1,298.92*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,171.66	1,411.14
		For Electronic Overloads, Add	*2,916.35*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,475.55	313.63
		For Electronic Overloads, Add	*351.18*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,902.83	490.84
		For Electronic Overloads, Add	*365.01*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,850.56	564.53
		For Electronic Overloads, Add	*517.10*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,369.89	705.56
		For Electronic Overloads, Add	*752.15*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,946.63	1,129.07
		For Electronic Overloads, Add	*1,650.85*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,974.73	1,411.14
		For Electronic Overloads, Add	*3,828.93*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	216.94	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	509.47	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	351.62	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,328.62	650.29
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,861.60	867.06
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,423.65	1,192.21
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,515.21	1,625.73
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,302.44	2,276.02
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,283.12	406.44
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,672.70	569.01
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,834.83	623.20
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,781.23	758.67
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,213.49	1,124.47
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,536.54	406.44
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,943.22	569.01
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,151.51	623.20
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,345.24	758.67
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,070.08	1,124.47
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,430.48	418.22
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,829.94	564.53

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,097.66	627.26
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,216.76	752.71
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,125.66	1,129.07
26 29 13 13-0486		NEMA 12 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,709.72	418.22
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,128.02	564.53
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,446.60	627.26
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,736.36	752.71
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,069.50	1,129.07
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,263.89	867.06
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,683.69	1,083.83
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,144.84	1,408.97
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,885.63	1,842.50
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	23,362.20	2,492.78
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,795.73	243.86
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,150.35	243.86
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	967.70	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	547.04	135.48
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	547.04	135.48
26 29 13 13-0507	EA	Pilot Light Kit	574.91	135.48

26 29 23 Variable-Frequency Motor Controllers *(26 29)*

26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,343.28	500.50
		For 6-Pulse Drive Package, Deduct	*-738.19*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,634.12	547.01
		For 6-Pulse Drive Package, Deduct	*-849.84*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	3,053.81	601.48
		For 6-Pulse Drive Package, Deduct	*-1,017.97*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,206.57	578.15
		For 6-Pulse Drive Package, Deduct	*-1,127.65*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,439.92	630.34
		For 6-Pulse Drive Package, Deduct	*-1,198.58*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,708.59	630.34
		For 6-Pulse Drive Package, Deduct	*-1,346.35*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,430.80	752.63
		For 6-Pulse Drive Package, Deduct	*-1,609.05*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,818.89	752.63
		For 6-Pulse Drive Package, Deduct	*-1,822.50*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,386.10	1,133.23
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,460.80	1,133.23
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	9,130.41	1,505.39
		For 6-Pulse Drive Package, Deduct	*-3,365.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,473.77	1,505.39
		For 6-Pulse Drive Package, Deduct	*-4,104.72*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,638.02	1,505.39
		For 6-Pulse Drive Package, Deduct	*-4,745.05*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	15,328.94	1,903.01
		For 6-Pulse Drive Package, Deduct	*-6,337.68*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	18,473.39	2,251.21
		For 6-Pulse Drive Package, Deduct	*-7,684.03*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,861.59	2,251.21
		For 6-Pulse Drive Package, Deduct	*-8,997.54*	
26 29 23 00-0018		460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)* Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,502.73	900.51
		For 6-Pulse Drive Package, Deduct	*-2,035.94*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,681.84	900.51
		For 6-Pulse Drive Package, Deduct	*-2,134.45*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,235.60	1,072.97
		For 6-Pulse Drive Package, Deduct	*-2,249.38*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,265.45	1,072.97
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,447.67	1,626.66
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,865.60	1,626.66
		For 6-Pulse Drive Package, Deduct	*-3,086.75*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	10,710.05	2,145.94
		For 6-Pulse Drive Package, Deduct	*-3,530.06*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	12,202.67	2,145.94
		For 6-Pulse Drive Package, Deduct	*-4,351.00*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	13,755.00	2,145.94
		For 6-Pulse Drive Package, Deduct	*-5,204.78*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	17,989.65	2,725.86
		For 6-Pulse Drive Package, Deduct	*-6,895.93*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	23,898.92	3,232.53
		For 6-Pulse Drive Package, Deduct	*-9,588.62*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	25,331.84	3,232.53
		For 6-Pulse Drive Package, Deduct	*-10,376.73*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	29,294.80	3,602.04
		For 6-Pulse Drive Package, Deduct	*-12,149.97*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	30,847.13	3,602.04
		For 6-Pulse Drive Package, Deduct	*-13,003.75*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	34,071.20	3,602.04
		For 6-Pulse Drive Package, Deduct	*-14,776.99*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	39,382.83	4,347.23
		For 6-Pulse Drive Package, Deduct	*-16,878.60*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	49,065.74	4,541.25
		For 6-Pulse Drive Package, Deduct	*-21,990.78*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	57,517.16	5,210.93
		For 6-Pulse Drive Package, Deduct	*-25,902.42*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	66,087.06	5,651.41
		For 6-Pulse Drive Package, Deduct	*-30,131.26*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	76,486.59	6,102.36
		For 6-Pulse Drive Package, Deduct	*-35,355.09*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	82,443.54	6,617.35
		For 6-Pulse Drive Package, Deduct	*-38,064.86*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,633.60	240.18
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,756.47	266.87
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,054.41	293.55
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,987.35	320.24
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,801.10	373.61
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	36,031.96	480.37
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,056.15	533.73
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,668.01	608.46
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,826.74	656.49
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,257.10	747.23
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,468.08	800.60
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,196.13	853.98

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment

(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Photovoltaic Collectors *(26 31)*

26 31 00 00-0002	EA	90 Watt Solar Panel (Ameresco VLS-90T) Note: 47.40" x 21.10" x 2"	541.94	128.70
26 31 00 00-0003	EA	140 Watt Solar Panel (Ameresco VLS-140T) Note: 59.20" x 26.50" x 2"	659.81	128.70
26 31 00 00-0004	EA	1 Panel, 40 To 90 Watt, Side Of Pole Mounting (SPM) (Ameresco 1X-SPM)	313.96	33.87
26 31 00 00-0005	EA	1 Panel, 125 To 150 Watt, Side Of Pole Mounting (SPM) (Ameresco 1X-SPM)	345.45	33.87

26 31 00 00-0006 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0007 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0006)*

26 31 00 00-0008	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,327.50	128.70
		For >25 To 50, Deduct	*-168.13*	
		For >50 To 100, Deduct	*-226.32*	
		For >100, Deduct	*-336.26*	
26 31 00 00-0009	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,439.71	128.70
		For >25 To 50, Deduct	*-176.54*	
		For >50 To 100, Deduct	*-237.54*	
		For >100, Deduct	*-353.09*	
26 31 00 00-0010	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,283.48	128.70
		For >25 To 50, Deduct	*-164.83*	
		For >50 To 100, Deduct	*-221.91*	
		For >100, Deduct	*-329.65*	

26 31 00 00-0011 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0006)*

26 31 00 00-0012	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,822.22	128.70
		For >25 To 50, Deduct	*-130.23*	
		For >50 To 100, Deduct	*-175.79*	
		For >100, Deduct	*-260.46*	
26 31 00 00-0013	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,072.69	128.70
		For >25 To 50, Deduct	*-149.02*	
		For >50 To 100, Deduct	*-200.83*	
		For >100, Deduct	*-298.03*	
26 31 00 00-0014	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,112.37	128.70
		For >25 To 50, Deduct	*-151.99*	
		For >50 To 100, Deduct	*-204.80*	
		For >100, Deduct	*-303.99*	
26 31 00 00-0015	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,988.37	128.70
		For >25 To 50, Deduct	*-142.69*	
		For >50 To 100, Deduct	*-192.40*	
		For >100, Deduct	*-285.39*	

26 31 00 00-0016 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0006)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0017	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	899.57	128.70
		For >25 To 50, Deduct	*-61.03*	
		For >50 To 100, Deduct	*-83.52*	
		For >100, Deduct	*-122.07*	
26 31 00 00-0018	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,110.36	128.70
		For >25 To 50, Deduct	*-76.84*	
		For >50 To 100, Deduct	*-104.60*	
		For >100, Deduct	*-153.68*	
26 31 00 00-0019	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,194.68	128.70
		For >25 To 50, Deduct	*-83.17*	
		For >50 To 100, Deduct	*-113.03*	
		For >100, Deduct	*-166.33*	

26 31 00 00-0020 Photovoltaic Inverters *(26 31)*

26 31 00 00-0021 Fronius Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0022	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,543.45	135.48
26 31 00 00-0023	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,311.49	135.48
26 31 00 00-0024	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,717.70	135.48
26 31 00 00-0025	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,629.06	135.48
26 31 00 00-0026	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,662.94	135.48
26 31 00 00-0027	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,881.92	135.48
26 31 00 00-0028	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,936.06	270.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0029	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	16,370.99	270.95
26 31 00 00-0030	EA	Inverter Display Stand (Fronius 4,045,894)	486.88	67.74
26 31 00 00-0031		**SMA Photovoltaic Inverters** *(26 31 00 00-0020)*		
26 31 00 00-0032	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,117.31	135.48
26 31 00 00-0033	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,941.74	135.48
26 31 00 00-0034	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,710.07	135.48
26 31 00 00-0035	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,296.62	135.48
26 31 00 00-0036	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	6,099.04	135.48
26 31 00 00-0037		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0020)*		
26 31 00 00-0038	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	5,094.68	135.48
26 31 00 00-0039	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,328.23	135.48
26 31 00 00-0040	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,886.78	135.48
26 31 00 00-0041	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,980.18	169.34
26 31 00 00-0042	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,510.28	203.21
26 31 00 00-0043	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,581.38	203.21
26 31 00 00-0044	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	9,054.60	203.21
26 31 00 00-0045	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	107,929.39	1,083.83
26 31 00 00-0046	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	108,072.22	1,083.83
26 31 00 00-0047	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	116,942.64	1,083.83
26 31 00 00-0048	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	108,413.07	1,083.83
26 31 00 00-0049		**Solectria Photovoltaic Inverters** *(26 31 00 00-0020)*		
26 31 00 00-0050	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,975.17	270.95
26 31 00 00-0051	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,975.17	270.95
26 31 00 00-0052	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,471.47	270.95
26 31 00 00-0053	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,471.47	270.95
26 31 00 00-0054	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	53,186.45	812.86
26 31 00 00-0055	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	50,704.92	812.86
26 31 00 00-0056	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	58,149.52	812.86
26 31 00 00-0057	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,770.89	812.86
26 31 00 00-0058	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	61,733.95	812.86
26 31 00 00-0059	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	58,976.70	812.86
26 31 00 00-0060	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	65,033.12	1,083.83
26 31 00 00-0061	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	62,000.14	1,083.83
26 31 00 00-0062	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	67,514.65	1,083.83
26 31 00 00-0063	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	63,930.22	1,083.83
26 31 00 00-0064		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0020)*		
26 31 00 00-0065	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	710.65	33.87
26 31 00 00-0066	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	774.51	33.87
26 31 00 00-0067	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,243.81	33.87
26 31 00 00-0068		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0069	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	419.04	50.80
26 31 00 00-0070	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	280.16	50.80
26 31 00 00-0071	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	776.14	50.80
26 31 00 00-0072		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0073		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0072)*		
26 31 00 00-0074	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	505.12	135.48
26 31 00 00-0075	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	492.25	135.48
26 31 00 00-0076	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	782.75	203.21
26 31 00 00-0077	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	787.26	203.21
26 31 00 00-0078	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,204.43	203.21
26 31 00 00-0079		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0072)*		
26 31 00 00-0080	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,112.11	135.48
26 31 00 00-0081	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,331.28	135.48
26 31 00 00-0082	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,578.81	270.95
26 31 00 00-0083	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,915.70	270.95
26 31 00 00-0084	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	993.50	135.48
26 31 00 00-0085		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0086	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	334.72	50.80
26 31 00 00-0087	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	446.32	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0088	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	520.71	50.80
26 31 00 00-0089	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	399.20	50.80
26 31 00 00-0090	EA	MPPT Charge Controller (Xantrex XW SCC)	1,380.27	67.74
26 31 00 00-0091		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0092		**Concorde Photovoltaic Batteries** *(26 31 00 00-0091)*		
26 31 00 00-0093	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	308.22	20.32
26 31 00 00-0094	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	388.66	27.10
26 31 00 00-0095	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	421.09	27.10
26 31 00 00-0096	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	482.65	40.64
26 31 00 00-0097	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	549.55	40.64
26 31 00 00-0098	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	652.28	47.42
26 31 00 00-0099	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	748.07	54.19
26 31 00 00-0100	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	739.41	54.19
26 31 00 00-0101	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,355.09	64.35
26 31 00 00-0102	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,567.01	67.74
26 31 00 00-0103		**Deka Photovoltaic Batteries** *(26 31 00 00-0091)*		
26 31 00 00-0104	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	323.32	33.94
26 31 00 00-0105	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	444.83	33.94
26 31 00 00-0106	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	655.63	33.94
26 31 00 00-0107	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	749.86	33.94
26 31 00 00-0108	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	752.34	33.94
26 31 00 00-0109	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,456.63	33.94
26 31 00 00-0110	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,684.78	33.94
26 31 00 00-0111		**Battery Enclosures** *(26 31 00 00-0091)*		
26 31 00 00-0112	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	365.33	33.87
26 31 00 00-0113	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,786.46	33.94
26 31 00 00-0114	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,679.83	33.94
26 31 00 00-0115	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,237.80	33.94
26 31 00 00-0116	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	997.85	33.94
26 31 00 00-0117	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,344.44	33.94
26 31 00 00-0118		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0119	EA	Solar Inverter Monitor (Xantrex 864-0203)	770.83	67.74
26 31 00 00-0120	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,591.02	33.87
26 31 00 00-0121	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,329.46	33.87
26 31 00 00-0122	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	245.85	33.87
26 31 00 00-0123	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	607.36	67.74
26 31 00 00-0124	EA	Sunny Boy Control with RS485 (SMA)	1,564.98	33.87
26 31 00 00-0125	EA	RS 485 Module (SMA)	356.38	33.87
26 31 00 00-0126	EA	RS 232 Module (SMA)	365.33	33.87
26 31 00 00-0127	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	685.29	
26 31 00 00-0128	EA	Bluetooth Piggy-Back Computer Card (SMA)	370.16	33.87
26 31 00 00-0129	EA	RS485-N Communication Computer Card (SMA)	367.66	33.87
26 31 00 00-0130	EA	Bluetooth Repeater (SMA)	693.82	33.87
26 31 00 00-0131	EA	Sunny Boy PC Service Cable (SMA)	329.53	10.16
26 31 00 00-0132	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,360.94	
26 31 00 00-0133	EA	Data Monitoring Module (PVPowered PVM1010)	692.36	33.87
26 31 00 00-0134	EA	Wireless IG Personal Display (Fronius 4,240,108)	696.18	
26 31 00 00-0135	EA	DatCom Power Supply (Fronius 43,0001,2311)	227.03	
26 31 00 00-0136	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	412.39	33.87
26 31 00 00-0137	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	348.91	33.87
26 31 00 00-0138	EA	Datalogger Pro Box (Fronius 4,240,102)	1,370.39	33.87
26 31 00 00-0139	EA	Datalogger Easy Box (Fronius 4,240,103)	891.40	33.87
26 31 00 00-0140	EA	Datalogger Interface Box (Fronius 4,240,105)	1,547.14	33.87
26 31 00 00-0141	EA	Datalogger Web (Fronius 4,240,122)	2,658.62	33.87
26 31 00 00-0142	EA	Interface Box (Fronius 4,240,109)	714.26	33.87
26 31 00 00-0143	EA	Interface Card (Fronius 4,240,009,Z)	509.62	33.87
26 31 00 00-0144	EA	Interface Card Easy (Fronius 4,240,013,Z)	336.02	33.87
26 31 00 00-0145	EA	Sensor Box (Fronius 4,240,104)	1,431.24	33.87
26 31 00 00-0146	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	158.64	33.87
26 31 00 00-0147	EA	Irradiance Sensor (Fronius 43,0001,1188)	497.02	33.87
26 31 00 00-0148	EA	Module Temperature Sensor (Fronius 43,0001,1190)	553.55	33.87
26 31 00 00-0149	EA	Wind Speed Sensor (Fronius 42,0411,0027)	292.78	67.74
26 31 00 00-0150		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0151	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,056.09	67.74
26 31 00 00-0152	EA	Line Communication Filter (Enphase LCF)	2,301.99	135.48
26 31 00 00-0153	EA	15 Meter RS 485 Communication Cable (SMA)	176.55	10.16
26 31 00 00-0154	EA	15 Meter RS 232 Communication Cable (SMA)	265.83	10.16
26 31 00 00-0155	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	40.63	3.35
26 31 00 00-0156	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	43.62	3.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0157	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	45.31	3.35
26 31 00 00-0158	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.00	3.35
26 31 00 00-0159	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	57.03	3.35
26 31 00 00-0160	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	90.63	6.71
26 31 00 00-0161	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	112.45	6.71
26 31 00 00-0162	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	147.66	10.06
26 31 00 00-0163	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	51.17	3.35
26 31 00 00-0164	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	71.09	3.35
26 31 00 00-0165	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	104.69	6.71
26 31 00 00-0166	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	139.84	6.71
26 31 00 00-0167	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	226.95	13.41
26 31 00 00-0168	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	236.87	13.41
26 31 00 00-0169	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,221.41	365.79

26 31 00 00-0170 Photovoltaic Mounting Systems *(26 31)*

26 31 00 00-0171	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	14.47	3.39
26 31 00 00-0172	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	41.65	16.93
26 31 00 00-0173	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	52.69	16.93
26 31 00 00-0174	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	27.78	6.77
26 31 00 00-0175	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	13.24	5.09
26 31 00 00-0176	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	28.29	6.77
26 31 00 00-0177	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	7.59	2.27
26 31 00 00-0178	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.95	2.27
26 31 00 00-0179	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	19.73	6.77
26 31 00 00-0180	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	117.39	33.87
26 31 00 00-0181	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	129.89	33.87
26 31 00 00-0182	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	139.95	33.87
26 31 00 00-0183	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	172.44	50.80
26 31 00 00-0184	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	209.93	50.80
26 31 00 00-0185	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	243.96	50.80
26 31 00 00-0186	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	268.80	67.74
26 31 00 00-0187	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	358.37	67.74
26 31 00 00-0188	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	503.87	101.61
26 31 00 00-0189	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	246.04	
26 31 00 00-0190	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	458.20	
26 31 00 00-0191	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	92.42	33.87
26 31 00 00-0192	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	93.57	33.87
26 31 00 00-0193	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	94.62	33.87
26 31 00 00-0194	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	97.25	33.87
26 31 00 00-0195	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	85.45	33.87
26 31 00 00-0196	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	86.78	33.87
26 31 00 00-0197	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	90.65	33.87
26 31 00 00-0198	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	89.55	33.87
26 31 00 00-0199	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	177.30	50.80
26 31 00 00-0200	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	178.10	50.80
26 31 00 00-0201	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	180.46	50.80
26 31 00 00-0202	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	177.99	50.80
26 31 00 00-0203	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	35.36	6.77
26 31 00 00-0204	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	23.30	6.77
26 31 00 00-0205	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	44.21	10.16
26 31 00 00-0206	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	46.01	10.16
26 31 00 00-0207	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.84	2.27
26 31 00 00-0208	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	58.57	6.77
26 31 00 00-0209	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	3.03	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0877 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,588.94	1,176.94
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,323.23*	
		For Tier 4 Diesel Generator, Add	*10,732.87*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,431.10	1,243.14
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,297.76*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,302.55	1,313.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,459.13*	
		For Tier 4 Diesel Generator, Add	*11,835.15*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,115.75	1,449.10
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,986.29*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,943.83	1,588.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*12,137.44*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	48,032.58	1,824.25
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*14,422.67*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	51,754.26	2,096.42
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*15,584.39*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	60,797.81	2,456.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*18,438.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,353.36	2,854.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,119.97*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	66,871.60	3,383.69
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,272.86*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	73,927.85	3,729.42
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*19,126.83*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	77,668.86	4,163.42
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*20,162.66*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	82,535.53	4,560.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*21,541.20*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	88,952.04	4,818.09
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*23,478.20*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	92,702.74	5,016.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*21,065.08*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	100,861.25	5,288.87
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,111.26*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	103,071.46	5,524.24
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,527.08*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	116,148.08	6,178.92
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*26,877.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	125,024.87	6,767.39
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*29,075.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	141,090.85	7,289.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*33,294.01*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	148,378.81	7,767.79
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*35,142.60*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	215,363.85	8,554.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*48,108.95*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	246,600.71	9,408.14
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*55,343.88*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	257,494.78	9,614.10
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*57,912.00*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	313,986.70	10,364.41
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*71,384.88*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	350,742.20	11,033.78
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*79,582.27*	

26 32 13 13-0028 Diesel Generator Sets (Generac SD) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with 24 hour run time fuel tank, radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0029	EA	10 KW, Industrial, Diesel Generator Set (Generac SD)	22,974.54	735.59
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0030	EA	15 KW, Industrial, Diesel Generator Set (Generac SD)	23,436.65	882.70
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0031	EA	20 KW, Industrial, Diesel Generator Set (Generac SD)	24,283.87	985.68
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0032	EA	25 KW, Industrial, Diesel Generator Set (Generac SD)	26,092.38	1,176.94
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0033	EA	30 KW, Industrial, Diesel Generator Set (Generac SD)	26,691.53	1,313.02
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0034	EA	35 KW, Industrial, Diesel Generator Set (Generac SD)	29,590.25	1,449.10
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0035	EA	40 KW, Industrial, Diesel Generator Set (Generac SD)	30,105.00	1,588.86
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0036	EA	50 KW, Industrial, Diesel Generator Set (Generac SD)	31,186.78	1,824.25
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0037	EA	60 KW, Industrial, Diesel Generator Set (Generac SD)	34,065.83	2,096.42
		For Steel Weather Protective Housing, Add	*3,904.20*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*7,838.66*	
26 32 13 13-0038	EA	80 KW, Industrial, Diesel Generator Set (Generac SD)	41,019.75	2,456.86
		For Steel Weather Protective Housing, Add	*3,904.20*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*8,452.59*	
		For Modular/Paralleling Unit (MD), Add	*3,430.07*	
26 32 13 13-0039	EA	100 KW, Industrial, Diesel Generator Set (Generac SD)	42,849.82	2,824.65
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,338.97*	
		For Modular/Paralleling Unit (MD), Add	*3,534.05*	
26 32 13 13-0040	EA	135 KW, Industrial, Diesel Generator Set (Generac SD)	53,181.56	3,457.26
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*4,395.37*	
26 32 13 13-0041	EA	150 KW, Industrial, Diesel Generator Set (Generac SD)	56,048.89	3,729.42
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*4,616.05*	
26 32 13 13-0042	EA	180 KW, Industrial, Diesel Generator Set (Generac SD)	63,697.16	4,229.62
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*5,247.60*	
26 32 13 13-0043	EA	200 KW, Industrial, Diesel Generator Set (Generac SD)	63,753.71	4,560.64
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*12,160.61*	
		For Modular/Paralleling Unit (MD), Add	*5,190.08*	
26 32 13 13-0044	EA	230 KW, Industrial, Diesel Generator Set (Generac SD)	76,909.45	4,818.09
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*19,553.21*	
		For Modular/Paralleling Unit (MD), Add	*6,390.96*	
26 32 13 13-0045	EA	250 KW, Industrial, Diesel Generator Set (Generac SD)	81,792.59	5,016.70
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*19,553.21*	
		For Modular/Paralleling Unit (MD), Add	*6,817.12*	
26 32 13 13-0046	EA	275 KW, Industrial, Diesel Generator Set (Generac SD)	84,017.35	5,288.87
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,353.30*	
		For Modular/Paralleling Unit (MD), Add	*6,976.76*	
26 32 13 13-0047	EA	300 KW, Industrial, Desel Generator Set (Generac SD)	92,035.92	5,524.24
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,353.30*	
		For Modular/Paralleling Unit (MD), Add	*7,693.80*	
26 32 13 13-0048	EA	350 KW, Industrial, Diesel Generator Set (Generac SD)	99,941.42	6,178.92
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,030.68*	
		For Modular/Paralleling Unit (MD), Add	*8,320.44*	
26 32 13 13-0049	EA	400 KW, Industrial, Diesel Generator Set (Generac SD)	107,369.51	6,620.27
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,030.68*	
		For Modular/Paralleling Unit (MD), Add	*8,942.25*	
26 32 13 13-0050	EA	500 KW, Industrial, Diesel Generator Set (Generac SD)	119,493.68	7,767.79
		For Steel Weather Protective Housing, Add	*18,544.95*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*26,427.53*	
		For Modular/Paralleling Unit (MD), Add	*9,876.02*	
26 32 13 13-0051	EA	600 KW, Industrial, Diesel Generator Set (Generac SD)	160,615.42	8,554.86
		For Steel Weather Protective Housing, Add	*24,147.48*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*37,116.25*	
		For Modular/Paralleling Unit (MD), Add	*13,633.04*	

26 32 13 13-0052 Diesel Generator Sets (Kohler) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277, 416/240 or 380/220 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0053	EA	80 KW Diesel Generator Set, 3 Phase (Kohler 80REOZJ)	36,073.35	2,456.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*9,414.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0054	EA	100 KW Diesel Generator Set, 3 Phase (Kohler 100REOZJ)	37,927.54	2,854.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*8,480.84*	
26 32 13 13-0055	EA	125 KW Diesel Generator Set, 3 Phase (Kohler 125REOZJ)	47,823.10	3,383.69
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*11,272.58*	
26 32 13 13-0056	EA	150 KW Diesel Generator Set, 3 Phase (Kohler 150REOZJ)	49,404.07	3,729.42
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*11,401.84*	
26 32 13 13-0057	EA	200 KW Diesel Generator Set, 3 Phase (Kohler 200REOZJ)	58,869.48	4,560.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*14,086.40*	
26 32 13 13-0058	EA	250 KW Diesel Generator Set, 3 Phase (Kohler 250REOZJ)	73,239.60	5,016.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*15,810.04*	
26 32 13 13-0059	EA	300 KW Diesel Generator Set, 3 Phase (Kohler 300REOZJ)	80,294.83	5,524.24
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*17,377.39*	
26 32 13 13-0060	EA	350 KW Diesel Generator Set, 3 Phase (Kohler 350REOZJ)	88,956.40	6,178.92
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*19,535.48*	
26 32 13 13-0061	EA	400 KW Diesel Generator Set, 3 Phase (Kohler 400REOZJ)	94,596.23	6,767.39
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*20,859.63*	
26 32 13 13-0062	EA	500 KW Diesel Generator Set, 3 Phase (Kohler 500REOZJ)	112,098.32	7,767.79
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*25,346.86*	
26 32 13 13-0063	EA	600 KW Diesel Generator Set, 3 Phase (Kohler 600REOZJ)	139,028.70	8,554.86
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*29,406.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0064		**Diesel Generator Sets (Taylor)** *(26 32 13 13)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0065	EA	9 KW Diesel Generator Set, 3 Phase (Taylor TD9)	25,962.87	881.82
26 32 13 13-0066	EA	13 KW Diesel Generator Set, 3 Phase (Taylor TD13)	26,694.77	994.66
26 32 13 13-0067	EA	20 KW Diesel Generator Set, 3 Phase (Taylor TD20)	27,935.39	1,110.00
26 32 13 13-0068	EA	28 KW Diesel Generator Set, 3 Phase (Taylor TD28)	31,023.00	1,245.05
26 32 13 13-0069	EA	30 KW Diesel Generator Set, 3 Phase (Taylor TD30)	32,455.77	1,313.02
26 32 13 13-0070	EA	55 KW Diesel Generator Set, 3 Phase (Taylor TD55)	36,348.90	1,960.33
26 32 13 13-0071	EA	60 KW Diesel Generator Set, 3 Phase (Taylor TD60)	39,421.41	2,096.42
26 32 13 13-0072	EA	80 KW Diesel Generator Set, 3 Phase (Taylor TD80)	42,358.44	2,456.86
26 32 13 13-0073	EA	100 KW Diesel Generator Set, 3 Phase (Taylor TD100)	44,005.90	2,854.07
26 32 13 13-0074	EA	125 KW Diesel Generator Set, 3 Phase (Taylor TD125)	58,516.78	3,383.69
26 32 13 13-0075	EA	140 KW Diesel Generator Set, 3 Phase (Taylor TD140)	59,505.22	3,556.55
26 32 13 13-0076	EA	150 KW Diesel Generator Set, 3 Phase (Taylor TD150)	60,554.39	3,729.42
26 32 13 13-0077	EA	175 KW Diesel Generator Set, 3 Phase (Taylor TD175)	64,527.44	4,163.42
26 32 13 13-0078	EA	200 KW Diesel Generator Set, 3 Phase (Taylor TD200)	67,499.45	4,560.64
26 32 13 13-0079	EA	250 KW Diesel Generator Set, 3 Phase (Taylor TD250)	81,866.90	5,016.70
26 32 13 13-0080	EA	300 KW Diesel Generator Set, 3 Phase (Taylor TD300)	92,747.89	5,524.24
26 32 13 13-0081	EA	350 KW Diesel Generator Set, 3 Phase (Taylor TD350)	101,273.14	6,178.92
26 32 13 13-0082	EA	400 KW Diesel Generator Set, 3 Phase (Taylor TD400)	103,950.95	6,767.39
26 32 13 13-0083	EA	450 KW Diesel Generator Set, 3 Phase (Taylor TD450)	112,191.67	7,289.65
26 32 13 13-0084	EA	500 KW Diesel Generator Set, 3 Phase (Taylor TD500)	117,962.91	7,767.79
26 32 13 13-0085	EA	550 KW Diesel Generator Set, 3 Phase (Taylor TD550)	121,339.77	8,161.33
26 32 13 13-0086	EA	600 KW Diesel Generator Set, 3 Phase (Taylor TD600)	149,349.50	8,554.86
26 32 13 13-0087		**Diesel Particulate Filters** *(26 32 13 13)*		
26 32 13 13-0088	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	38,291.11	
26 32 13 13-0089	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	50,054.07	
26 32 13 13-0090	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	60,647.97	
26 32 13 13-0091	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	74,395.37	
26 32 13 13-0092	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	87,449.30	
26 32 13 13-0093	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	109,242.34	
26 32 13 19		**Natural Gas-Engine-Driven Generator Sets** *(26 32 13)*		
26 32 13 19-0001		**Natural Gas Or Propane Generator Sets (Cummins)** *(26 32 13 19)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,892.37	985.68
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,960.10	1,176.94
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	20,723.87	1,309.35
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	23,504.14	1,449.10
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	26,372.84	1,588.86
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	28,580.60	1,713.91
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	31,303.27	2,096.42
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	33,604.17	2,346.52
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	44,017.47	2,508.34
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	53,007.59	2,824.65
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	60,734.14	3,383.69
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	72,137.72	3,729.42
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	116,387.85	9,919.96
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	132,088.10	4,479.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	142,069.28	5,016.70
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	183,580.48	5,524.24
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	197,089.82	6,178.92
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	276,675.78	7,289.65
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	353,621.14	7,767.79
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	395,610.96	8,187.07
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	450,492.33	8,554.86
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	471,025.17	8,878.52
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	498,223.87	9,489.06
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	

26 32 13 19-0025 Natural Gas Or Propane Generator Sets (Generac QTA) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0026	EA	25 KW, Commercial, Natural Gas Generator Set (Generac QTA)	18,093.00	1,176.94
		For Steel Weather Protective Housing, Add	*1,216.81*	
		For Aluminum Weather Protective Housing, Add	*1,889.63*	
26 32 13 19-0027	EA	55 KW, Commercial, Natural Gas Generator Set (Generac QTA)	26,916.94	1,964.02
		For Steel Weather Protective Housing, Add	*1,725.66*	
		For Aluminum Weather Protective Housing, Add	*2,220.51*	
26 32 13 19-0028	EA	70 KW, Commercial, Natural Gas Generator Set (Generac QTA)	30,247.33	2,346.52
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*2,218.56*	
26 32 13 19-0029	EA	80 KW, Commercial, Natural Gas Generator Set (Generac QTA)	31,842.93	2,456.86
		For Steel Weather Protective Housing, Add	*1,725.66*	
		For Aluminum Weather Protective Housing, Add	*2,598.25*	
26 32 13 19-0030	EA	100 KW, Commercial, Natural Gas Generator Set (Generac QTA)	38,873.39	2,824.65
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*2,391.32*	
26 32 13 19-0031	EA	130 KW, Commercial, Natural Gas Generator Set (Generac QTA)	44,953.58	3,368.98
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*1,968.69*	
26 32 13 19-0032	EA	150 KW, Commercial, Natural Gas Generator Set (Generac QTA)	50,741.13	3,729.42
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*1,916.96*	

26 32 13 19-0033 Natural Gas Or Propane Generator Sets (Generac SG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0034	EA	35 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	21,323.11	1,449.10
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0035	EA	40 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	23,934.41	1,588.86
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0036	EA	45 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	24,930.21	1,713.91
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0037	EA	70 KW, Industrial, Natural Gas Generator Set (Generac SG)	33,194.68	2,346.52
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*2,707.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0038	EA	100 KW, Industrial, Natural Gas Generator Set (Generac SG)	39,609.98	2,824.65
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*3,226.26*	
26 32 13 19-0039	EA	130 KW, Industrial, Natural Gas Generator Set (Generac SG)	47,837.48	3,368.98
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*3,904.45*	
26 32 13 19-0040	EA	150 KW, Industrial, Natural Gas Generator Set (Generac SG)	79,189.73	3,729.42
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*6,814.43*	
26 32 13 19-0041	EA	175 KW, Industrial, Natural Gas Generator Set (Generac SG)	88,039.86	4,163.42
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*7,572.74*	
26 32 13 19-0042	EA	200 KW, Industrial, Natural Gas Generator Set (Generac SG)	93,257.75	4,560.64
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*7,992.97*	
26 32 13 19-0043	EA	250 KW, Industrial, Natural Gas Generator Set (Generac SG)	134,005.40	5,016.70
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*11,777.34*	
26 32 13 19-0044	EA	275 KW, Industrial, Natural Gas Generator Set (Generac SG)	136,710.71	5,288.87
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*11,982.63*	
26 32 13 19-0045	EA	300 KW, Industrial, Natural Gas Generator Set (Generac SG)	139,466.42	5,524.24
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*12,199.70*	

26 32 13 19-0046 Natural Gas Or Propane Generator Sets (Taylor) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0047	EA	30 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG30)	28,292.50	1,313.02
26 32 13 19-0048	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG40)	30,827.72	1,574.16
26 32 13 19-0049	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG60)	32,172.40	2,096.42
26 32 13 19-0050	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG80)	47,900.22	2,456.86
26 32 13 19-0051	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG100)	52,132.88	2,854.07
26 32 13 19-0052	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG125)	68,304.86	3,383.69
26 32 13 19-0053	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG150)	71,575.02	3,729.42
26 32 13 19-0054	EA	200 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG200)	118,179.35	4,560.64
26 32 13 19-0055	EA	250 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG250)	165,113.04	5,016.70
26 32 13 19-0056	EA	350 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG350)	201,288.49	6,178.92
26 32 13 19-0057	EA	400 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG400)	239,900.50	6,767.39

26 32 13 19-0058 Natural Gas Or Propane Generator Sets (Kohler KG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0826 for loadbank rental, 01 22 23 00-0877 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0059	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG40)	23,937.23	1,588.86
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0060	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG45)	25,288.28	1,713.91
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0061	EA	50 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG50)	27,239.85	1,838.97
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0062	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG60)	28,655.53	2,096.42
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0063	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG80)	34,453.71	2,508.34
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0064	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG100)	38,839.55	2,824.65
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0065	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG125)	44,109.11	3,383.69
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0066	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG150)	52,845.54	3,729.42
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0067	EA	180 KW Natural Gas Generator Set, 3 Phase (Kohler KG180)	77,073.74	9,919.96
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0068	EA	200 KW Natural Gas Generator Set, 3 Phase (Kohler KG200)	87,707.02	4,479.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	

26 32 13 19-0069 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0070	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,397.93	624.93
26 32 13 19-0071	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,801.60	694.36
26 32 13 19-0072	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,842.62	763.79

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,408.15	270.95
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,677.63	270.95
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,794.07	270.95
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,926.17	270.95
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,789.12	338.69
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,348.46	338.69
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,307.37	338.69
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,946.84	447.08
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,837.73	447.08

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,051.14	270.95
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,370.41	270.95
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,436.60	270.95
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,892.65	270.95
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,134.15	338.69
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,043.00	338.69
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,737.54	338.69
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,843.78	447.08
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	27,416.57	447.08

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,266.70	5,149.10
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,554.30	5,149.10
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	38,157.75	7,355.86
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	44,535.76	7,355.86
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	50,556.55	7,355.86
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	59,338.98	11,033.78
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	71,899.56	11,033.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0029		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	105,139.27	14,711.72
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	114,561.78	14,711.72
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	137,827.25	19,125.24
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	156,670.69	23,244.51
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	185,618.42	23,244.51
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	263,284.60	34,719.65
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	272,369.77	34,719.65
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	313,655.44	40,457.22

26 32 36 Resistive Load Banks *(26 32)*

See CSI section 01 22 23 00-0826 for portable/trailer mounted resistive load bank for testing of generators, 26 32 13 00-0000 for generators.

26 32 36 00-0001 Stationary Resistive Load Banks *(26 32 36)*

Note: Controls include: Main Power On/Off switch, Blower Start/Stop push button, Master Load On/Off switch, Individual Load Step switches. Load Voltage Selector switch (dual voltage units), and Emergency Stop button. Fault condition smart indicators provide operator display and load disconnect during Air-Flow Failure, Over-temperature, Motor Overload, Load Dump, and Wrong Voltage Applied (dual voltage units). Control Power: An Integral Control Power Transformer is provided for control circuit operation. Cooling Power: Blower motor is factory-wired to the main load bus. Cooling: Integrally mounted blower motor with high-performance, direct-driven fan blade delivers the required airflow volume (CFM) for cooling resistor load elements. Motor circuits are short-circuit protected by current-limiting fuses and thermally protected by overload relay. Safety Features: Emergency-Stop push button allows the operator to take the unit off-line should a critical hard-stop condition occur. Branch circuit fuse protection provides short-circuit fault protection of all load steps eliminating the potential for catastrophic failure. Blower On, Motor Overload, Air-Flow Failure, and Over-temperature circuits disable all load steps during a fault condition with operator visual indicators. Dual Voltage units feature a Wrong Voltage Applied protection circuit which prevents the application of 480 VAC with the Load Voltage Selector switch in the 240 VAC position.

26 32 36 00-0002	EA	100 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	11,885.73	812.86
26 32 36 00-0003	EA	150 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	12,771.07	902.62
26 32 36 00-0004	EA	200 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Permanent Resistive Load Bank	13,561.60	934.79
26 32 36 00-0005	EA	250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	14,349.40	970.70
26 32 36 00-0006	EA	300 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	15,766.07	1,023.54
26 32 36 00-0007	EA	400 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	17,182.74	1,076.37
26 32 36 00-0008	EA	500 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	24,792.28	1,146.14
26 32 36 00-0009	EA	600 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	30,581.50	1,205.75
26 32 36 00-0010	EA	750 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	33,722.01	1,264.01
26 32 36 00-0011	EA	800 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	33,971.29	1,388.65
26 32 36 00-0012	EA	1,000 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	44,710.21	1,512.61
26 32 36 00-0013	EA	1,250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	58,722.42	1,761.21
26 32 36 00-0014	EA	1,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	72,068.70	2,691.86
26 32 36 00-0015	EA	2,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	80,710.45	3,230.22
26 32 36 00-0016	EA	2,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	89,445.70	3,472.84
26 32 36 00-0017	EA	3,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	97,537.19	3,768.59

26 32 36 00-0018 Load Bank Docking Stations *(26 32 36)*

26 32 36 00-0019	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	6,396.24	541.91
26 32 36 00-0020	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	7,672.24	677.39
26 32 36 00-0021	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	9,478.00	812.86
26 32 36 00-0022	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,051.17	948.34
26 32 36 00-0023	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,569.31	1,083.83
26 32 36 00-0024	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	13,087.45	1,219.30
26 32 36 00-0025	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	15,688.64	1,354.78
26 32 36 00-0026	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	26,917.56	1,866.35
26 32 36 00-0027	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	30,606.62	2,009.92
26 32 36 00-0028	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	34,149.28	2,153.48
26 32 36 00-0029	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	41,218.75	2,297.05
26 32 36 00-0030	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	46,939.68	2,512.40
26 32 36 00-0031	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	54,966.59	2,727.74
26 32 36 00-0032	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	64,803.04	2,943.10
26 32 36 00-0033	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	66,590.21	3,158.44
26 32 36 00-0034	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	68,520.94	3,445.57
26 32 36 00-0035	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	75,877.55	3,732.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 36 00-0036	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	8,897.29	541.91
26 32 36 00-0037	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	10,047.66	677.39
26 32 36 00-0038	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	11,661.56	812.86
26 32 36 00-0039	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	13,946.94	948.34
26 32 36 00-0040	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	14,434.19	1,083.83
26 32 36 00-0041	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	14,921.43	1,219.30
26 32 36 00-0042	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	17,231.35	1,354.78
26 32 36 00-0043	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	59,255.20	1,866.35
26 32 36 00-0044	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	73,209.23	2,009.92
26 32 36 00-0045	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	74,988.49	2,153.48
26 32 36 00-0046	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	76,767.72	2,297.05
26 32 36 00-0047	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	78,690.54	2,512.40
26 32 36 00-0048	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	87,274.15	2,727.74
26 32 36 00-0049	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	89,196.96	2,943.10
26 32 36 00-0050	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	91,119.78	3,158.44
26 32 36 00-0051	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	93,186.16	3,445.57
26 32 36 00-0052	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	95,252.54	3,732.70

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,274.98	33.94
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,377.28	33.94
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	375.02	33.94
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	341.24	33.94
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	582.10	33.94
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	675.43	33.94

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,656.28	773.75
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,267.05	773.75
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,697.14	773.75
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,970.42	916.12

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,259.81	134.12
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,504.41	156.47
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,852.64	178.83
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,261.13	201.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,897.37	223.54
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,655.51	268.25
26 33 53 00-0010		**208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,570.38	268.25
26 33 53 00-0012		**120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	7,043.65	357.66
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,704.09	402.37
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	11,506.82	491.79
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	13,223.81	536.49
26 33 53 00-0017		**230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,504.41	156.47
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,852.64	178.83
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,286.28	201.19
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,903.44	223.54
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,674.40	268.25
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,759.36	357.66
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	8,295.14	402.37
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	12,817.42	536.49
26 33 53 00-0026		**Optional Accessories For Single Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	828.27	40.64
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,083.99	40.64
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	1,055.52	40.64
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	718.11	40.64
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	1,072.77	134.12
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,208.24	178.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0033		**Three Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53)*		
26 33 53 00-0034		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery** *(26 33 53 00-0033)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	44,269.80	536.49
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	49,034.92	715.32
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	54,830.09	894.15
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	59,492.20	1,072.98
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	71,570.66	1,251.81
26 33 53 00-0040		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	97,516.87	2,261.16
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	106,226.78	2,799.52
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	117,550.91	3,266.12
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	144,947.04	3,696.81
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	150,605.89	4,127.51
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	156,517.74	4,558.21
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	163,665.65	4,988.90
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	170,813.55	5,419.60
26 33 53 00-0049		**480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	90,994.86	1,866.35
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	118,168.94	3,280.47
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	161,254.51	3,790.13
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	189,783.69	4,163.39
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	221,815.03	4,594.09
26 33 53 00-0055		**Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	741.13	67.74
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,189.79	67.74
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,294.48	135.48
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	7,158.70	541.91
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	673.82	67.74
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	368.21	67.74
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	412.80	67.74
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	457.40	67.74
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	537.67	67.74
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	564.43	67.74
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	702.68	67.74
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	736.12	67.74
26 33 53 00-0068		**Other Uninterruptable Power Supply Equipment** *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,597.29	123.80
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,939.66	247.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	34.57	7.43
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	62.36	9.28
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	117.10	9.28
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	171.46	12.38
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	243.71	12.38
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,517.22	123.80
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,499.41	92.85

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001 Power Factor Correction Capacitors *(26 35 33 16)*

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	1,500.01	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,661.30	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,822.60	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,977.44	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	2,429.05	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	2,967.77	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	4,583.91	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	5,567.79	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	7,193.61	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	8,180.71	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	14,354.96	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	21,584.05	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	28,780.89	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	1,335.50	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	769.02	135.48
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,336.13	162.57
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,532.34	216.76
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,103.01	270.95
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,895.27	352.24
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,740.01	433.53
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,689.69	514.82
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,717.23	582.56
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,643.25	704.48
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,606.48	792.54
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,569.70	880.60
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,640.91	1,063.49
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,829.33	1,280.27
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	17,533.20	1,557.99
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	20,055.58	1,822.18
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	25,827.94	2,032.17
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	39,488.35	2,303.12
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	58,920.92	2,574.08

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,876.47	2,154.10
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,997.43	2,709.56
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	10,029.64	3,224.36

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,492.38	237.08
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,739.96	294.52

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,728.12	347.18
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,129.67	416.61
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,687.03	486.05
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,820.89	555.48
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,206.60	624.93
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,102.63	694.36
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	9,012.82	763.79
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,583.58	833.23
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	13,999.18	1,041.54
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	15,747.25	1,249.84
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	21,000.65	1,765.41
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,362.58	486.05
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,575.74	624.93
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,278.93	833.23
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,848.80	1,041.54
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,564.34	347.18
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,423.00	416.61
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,740.95	451.34
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,058.91	486.05
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,399.18	555.48
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,591.37	624.93
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,583.97	694.36
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	11,056.35	763.79
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,506.07	833.23
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	17,146.24	1,041.54
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	19,222.67	1,249.84
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	25,063.24	1,765.41
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	32,557.96	1,912.52
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	34,698.09	2,206.75
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	39,674.70	2,501.00
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	47,911.57	3,089.46
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	83,292.85	3,677.93
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0025		Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	27,599.95	2,638.56
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	28,807.63	2,777.43
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	30,198.01	2,916.30
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	33,747.61	2,985.74
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	39,012.85	3,055.18
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	46,919.71	3,194.05
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	51,755.15	3,332.91
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	65,079.04	3,888.41
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	85,539.37	4,413.51
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	111,743.33	4,707.75
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	126,907.54	5,149.10
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	203,293.33	5,884.69
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	219,396.40	6,620.27
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	
26 36 23 00-0039		**Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure** *(26 36 23 00-0001)*		
26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,108.00	347.18
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,844.35	416.61
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	10,211.88	451.34
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,579.41	486.05
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,709.01	555.48
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,561.52	624.93
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,628.81	694.36
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	18,327.83	763.79
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	20,744.58	833.23
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	25,167.14	1,041.54
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	26,196.68	1,249.84
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	31,089.54	1,765.41
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	289.92	33.87
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	312.46	33.87
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	326.01	40.64
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	269.93	27.10
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	326.01	40.64

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	401.01	33.87
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	427.44	40.64
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	413.89	33.87
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	427.44	40.64

26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	484.73	33.87
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	511.16	40.64
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	451.86	27.10
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	511.16	40.64

26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	571.67	33.87
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	644.79	40.64
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	540.41	27.10

26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	1,007.04	40.64
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	993.49	33.87
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	1,007.04	40.64

26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert Interceptor Hybrid.

26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,395.98	67.74
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,268.94	67.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,705.13	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,190.16	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,578.71	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,079.18	270.95
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,912.52	372.57
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,909.07	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,414.19	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,924.83	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,528.69	270.95
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,606.18	372.57
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,909.07	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,414.19	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,924.77	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,528.69	270.95
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,606.18	372.57
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,113.03	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,641.11	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,273.79	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,981.16	270.95
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	16,302.65	372.57
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,349.99	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,876.68	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,638.57	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,455.08	270.95
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	16,046.25	372.57
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D EBA series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,671.16	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,434.82	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,495.89	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,787.48	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,607.15	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,721.35	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,787.48	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,607.15	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,721.35	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,935.41	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,792.41	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	7,010.01	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,090.52	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,989.16	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	7,313.03	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,062.26	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,547.30	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,935.84	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,266.20	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,771.33	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,281.96	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,266.20	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,771.33	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,281.90	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,470.16	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,998.24	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,630.93	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,707.12	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,233.82	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,995.71	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0087		NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,028.29	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,791.95	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,853.02	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,144.62	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,964.28	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,078.49	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,144.62	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,964.28	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,078.49	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,292.54	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,149.55	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,367.14	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,447.65	176.12
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,346.29	203.21
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,670.16	237.08
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 23		**Surge Protective Devices for Lightning Protection** *(26 43)*		
26 43 23 00-0001		Surge And Lightning Arrestors *(26 43 23)*		
26 43 23 00-0002		Metal Top Intermediate Type IMX *(26 43 23 00-0001)*		
		Note: For outdoor construction, single phase.		
26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,233.48	302.72
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,331.17	302.72
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,331.17	302.72
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,512.60	302.72
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,512.60	302.72
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,663.32	302.72
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,663.32	302.72
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,261.28	378.40
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,339.43	378.40
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,579.60	454.09
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,780.57	454.09
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,285.78	454.09
26 43 23 00-0015		Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*		
		Note: For cubicle mounting, single phase.		
26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,233.48	302.72
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,331.17	302.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,331.17	302.72
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,512.60	302.72
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,512.60	302.72
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,663.32	302.72
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,663.32	302.72
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,261.28	378.40
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,339.43	378.40
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,579.60	454.09
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,780.57	454.09
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,285.78	454.09

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	1,032.51	302.72
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	1,021.34	302.72
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	937.72	302.72

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	719.89	302.72
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,307.83	302.72
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,233.48	302.72
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	781.30	302.72
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,470.62	302.72
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,512.60	302.72
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	876.76	302.72
26 43 23 00-0040	EA	15 KV Open Fused Cutout	960.57	378.40
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	748.99	302.72
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,557.63	302.72

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	92.51	38.74
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	92.51	38.74
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	98.19	40.64
		For ICAT Housing, Add	*4.80*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	104.04	42.41
		For ICAT Housing, Add	*5.21*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	109.92	44.16
		For ICAT Housing, Add	*5.62*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	112.15	46.88
		For ICAT Housing, Add	*5.38*	

26 51 13 00-0009 Recessed Fixture Trim *(26 51 13 00-0001)*

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	70.85	18.97
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	78.61	18.97
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	92.08	18.97
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	99.20	18.97
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	78.73	18.97
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	74.56	18.97
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	79.34	18.97

26 51 13 00-0017 Track Lighting *(26 51 13)*

26 51 13 00-0018 Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*

See CSI section 26 51 19 00-0855 for track lighting tracks.

26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	91.50	22.63
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	68.34	22.63
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	94.95	22.63
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	97.59	22.63
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	80.38	22.63
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	68.34	22.63
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	79.12	22.63
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	100.23	22.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0027		Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*		
26 51 13 00-0028		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0027)*		
26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	141.44	54.19
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	160.43	54.19
		For Wall Mounted, Add	*5.10*	
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	201.42	38.75
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	226.32	38.75
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	227.50	40.36
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	254.82	40.36
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	271.62	45.31
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	322.29	45.31
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	378.03	45.31
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	221.44	49.52
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	256.04	49.52
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	347.49	57.69
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	374.12	57.69
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	424.71	57.69
26 51 16 00-0020		Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0021		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	270.11	44.94
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	438.84	44.94
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	500.62	44.94
26 51 16 00-0025		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	421.90	49.52
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	460.88	49.52
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	489.02	49.52
26 51 16 00-0029		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	428.16	57.69
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	469.76	57.69
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	492.73	57.69
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	527.75	57.69
26 51 16 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	849.02	74.28
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	863.26	74.28
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	821.12	74.28
26 51 16 00-0038		Recessed Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0039		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0040		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	423.60	38.75
		For Drywall Or Plaster Ceilings, Add	*26.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	562.17	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,059.10	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	568.35	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	656.02	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	662.08	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	714.68	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	541.49	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	775.47	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	782.59	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	875.35	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	743.74	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,037.03	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,053.84	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0058		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0059		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	504.82	38.75
		For Drywall Or Plaster Ceilings, Add	*26.19*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	510.86	38.75
		For Drywall Or Plaster Ceilings, Add	*26.19*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	604.16	38.75
		For Drywall Or Plaster Ceilings, Add	*26.19*	
26 51 16 00-0063		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	574.99	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	582.11	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	660.91	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0067		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	587.30	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	593.34	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	685.20	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0071		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	541.49	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	640.57	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	734.60	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	836.09	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0076		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0077		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,122.23	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,129.34	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,338.29	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,355.11	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0082		**2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	875.98	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	981.19	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,208.30	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0086		**2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	982.13	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,224.85	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,307.57	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,437.17	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0091		**Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0092		**1' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	867.88	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,164.32	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0095		**2' x 2', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	862.23	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	994.78	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0098		**2' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	956.53	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	958.74	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0101		**Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0102		**1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	800.04	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
26 51 16 00-0104		**2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	762.33	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0106		**2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	926.07	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	653.96	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,066.48	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0110		**Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0111		**1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	759.77	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0113		**2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	761.37	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
26 51 16 00-0115		**2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	948.67	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	963.64	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	987.42	57.69
		For Drywall Or Plaster Ceilings, Add	*39.00*	
26 51 16 00-0119		**Striplight Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0120		**1 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	307.57	37.14
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	384.54	37.14
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	374.43	41.22
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	380.54	45.31
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	466.22	53.66
26 51 16 00-0126		**2 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	379.32	41.22
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	387.81	45.31
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	393.85	49.52
26 51 16 00-0130		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	572.97	41.22
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	547.70	45.31
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	553.67	49.52
26 51 16 00-0134		**Display Case Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	202.50	40.64
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	277.45	40.64
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	299.42	47.42
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	310.08	47.42
26 51 16 00-0139		**Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0140		**1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	458.71	37.14
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	480.67	45.31
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	907.96	57.69
26 51 16 00-0144		**2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	470.94	41.22
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	493.99	49.52
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	922.19	57.69
26 51 16 00-0148		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	490.07	41.22
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	510.92	49.52
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	788.09	57.69
26 51 16 00-0152		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	718.29	49.52
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,064.09	57.69
26 51 16 00-0155		**Flanged Fluorescent Fixture** *(26 51 16 00-0001)*		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	662.22	74.28
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	800.22	74.28
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	807.34	74.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0159		Undercabinet Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	237.20	33.42
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	274.71	40.85
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	269.74	40.85
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	329.59	44.57
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	383.03	52.00
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)*		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	269.93	37.14
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	301.01	37.14
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	308.00	38.99
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	337.70	38.99
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	303.73	40.85
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	334.52	40.85
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0175)*		
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	281.14	62.31
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	286.29	62.31
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	369.69	62.31
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	376.88	62.31
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	383.68	62.31
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	388.83	62.31
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0175)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	712.31	62.31
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	717.46	62.31
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	557.61	62.31
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	564.80	62.31
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	645.28	62.31
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	650.43	62.31
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0175)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	268.39	62.31
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	273.55	62.31
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	270.44	62.31
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	277.63	62.31
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	258.63	62.31
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	263.78	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	333.52	45.31
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	339.71	49.52
26 51 16 00-0209		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0210		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0211		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0210)*		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	243.94	54.19
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	299.56	54.19
26 51 16 00-0214		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0215		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	194.02	54.19
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	214.21	54.19
26 51 16 00-0218		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	317.67	54.19
26 51 16 00-0220	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	470.81	54.19
26 51 16 00-0221	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	576.91	54.19
26 51 16 00-0222	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	367.28	54.19
26 51 16 00-0223	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	473.95	54.19
26 51 16 00-0224	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	576.91	54.19
26 51 16 00-0225		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0226		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	321.94	54.19
26 51 16 00-0228	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	434.38	54.19
26 51 16 00-0229	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	529.70	54.19
26 51 16 00-0230	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	250.96	54.19
26 51 16 00-0231	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	309.38	54.19
26 51 16 00-0232	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	420.07	54.19
26 51 16 00-0233		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0209)*		
26 51 16 00-0234		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0233)*		
26 51 16 00-0235	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	541.85	44.52
26 51 16 00-0236		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0233)*		
26 51 16 00-0237	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	626.53	44.52
26 51 16 00-0238	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	899.74	44.52
26 51 16 00-0239		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0240	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	325.11	44.52
26 51 16 00-0241	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	346.30	44.52
26 51 16 00-0242	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	415.15	44.52
26 51 16 00-0243	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	430.80	44.52
26 51 16 00-0244	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	516.51	44.52
26 51 16 00-0245	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	617.40	44.52
26 51 16 00-0246		Finelite Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0247		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 16 00-0246)*		
26 51 16 00-0248	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	550.52	63.14
26 51 16 00-0249	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	548.25	63.14
26 51 16 00-0250	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	592.92	63.14
26 51 16 00-0251	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	664.25	63.14

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26 51 16 00-0252	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	728.77	63.14
26 51 16 00-0253	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	896.56	63.14
26 51 16 00-0254	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	785.67	65.85
26 51 16 00-0255	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	809.29	65.85
26 51 16 00-0256	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	898.63	65.85
26 51 16 00-0257	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	862.92	65.85
26 51 16 00-0258	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,085.83	65.85
26 51 16 00-0259	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,280.59	65.85
26 51 16 00-0260	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,039.59	68.55
26 51 16 00-0261	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,079.72	68.55
26 51 16 00-0262	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,194.95	68.55
26 51 16 00-0263	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,202.41	68.55
26 51 16 00-0264	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,489.85	68.55
26 51 16 00-0265	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,786.67	68.55
26 51 16 00-0266		**Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O)** *(26 51 16 00-0246)*		
26 51 16 00-0267	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	544.88	63.14
26 51 16 00-0268	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	593.45	63.14
26 51 16 00-0269	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	593.78	63.14
26 51 16 00-0270	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	800.70	65.85
26 51 16 00-0271	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	856.84	65.85
26 51 16 00-0272	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	857.51	65.85
26 51 16 00-0273	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,056.52	68.55
26 51 16 00-0274	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,202.24	68.55
26 51 16 00-0275	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,203.24	68.55
26 51 16 00-0276		**Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)** *(26 51 16 00-0246)*		
26 51 16 00-0277	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	416.19	63.14
26 51 16 00-0278	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	439.02	63.14
26 51 16 00-0279	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	519.48	63.14
26 51 16 00-0280	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	543.89	65.85
26 51 16 00-0281	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	641.94	65.85
26 51 16 00-0282	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	758.33	65.85
26 51 16 00-0283	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	750.17	68.55
26 51 16 00-0284	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	918.21	68.55
26 51 16 00-0285	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,096.72	68.55
26 51 16 00-0286		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0287	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	146.92	38.74
		For ICAT Housing, Add	*11.44*	
26 51 16 00-0288	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	151.75	38.74
		For ICAT Housing, Add	*12.06*	
26 51 16 00-0289	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	158.13	40.51
		For ICAT Housing, Add	*12.53*	
26 51 16 00-0290	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	166.16	41.99
		For ICAT Housing, Add	*13.22*	
26 51 16 00-0291	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	173.19	44.16
		For ICAT Housing, Add	*13.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0292	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	179.45	46.88
		For ICAT Housing, Add	*14.06*	
26 51 16 00-0293		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0294	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	167.71	38.74
		For ICAT Housing, Add	*14.12*	
26 51 16 00-0295	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	172.47	38.74
		For ICAT Housing, Add	*14.73*	
26 51 16 00-0296	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	178.99	40.64
		For ICAT Housing, Add	*15.23*	
26 51 16 00-0297	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	184.29	42.41
		For ICAT Housing, Add	*15.56*	
26 51 16 00-0298	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	190.34	44.16
		For ICAT Housing, Add	*15.99*	
26 51 16 00-0299	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	196.24	46.88
		For ICAT Housing, Add	*16.23*	
26 51 16 00-0300		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0301	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	333.55	22.63
26 51 16 00-0302	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	344.11	22.63
26 51 16 00-0303	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	350.70	22.63
26 51 16 00-0304	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	231.79	22.63
26 51 16 00-0305	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	378.02	22.63
26 51 16 00-0306		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0307	EA	Compact Fluorescent Track Lighting Fixture	107.17	22.63
26 51 16 00-0308		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0309	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	151.24	54.19
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0310	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	154.98	54.19
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0311	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	164.21	54.19
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0312		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0313		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0312)*		
26 51 16 00-0314		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0313)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	334.42	57.69
		For T5 Fixture Instead Of T8, Add	*28.37*	
26 51 16 00-0316	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	350.65	57.69
		For T5 Fixture Instead Of T8, Add	*30.23*	
26 51 16 00-0317	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	548.39	57.69
		For T5 Fixture Instead Of T8, Add	*52.87*	
26 51 16 00-0318	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	473.16	57.69
26 51 16 00-0319	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	760.88	57.69
26 51 16 00-0320		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 16 00-0313)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	391.39	57.69
26 51 16 00-0322	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	396.39	57.69
26 51 16 00-0323	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	577.54	57.69
26 51 16 00-0324	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	477.31	57.69
26 51 16 00-0325	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	498.94	57.69
26 51 16 00-0326		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0312)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)** *(26 51 16 00-0326)* Note: Includes high impact acrylic molded lens.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0328	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	630.21	78.37
		For T5 Fixture Instead Of T8, Add	*58.69*	
26 51 16 00-0329	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	655.84	78.37
		For T5 Fixture Instead Of T8, Add	*61.63*	

26 51 16 00-0330 High Bay Fluorescent Fixtures *(26 51 16)*

26 51 16 00-0331 (T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0330)*

26 51 16 00-0332 (T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0331)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 16 00-0333	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	547.74	126.27
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0334	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	574.00	139.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0335	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	650.63	159.70
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0336	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	780.26	168.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0337	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	849.01	176.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0338	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	506.53	159.70
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0339	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	533.15	168.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0340	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	611.83	176.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 16 00-0341 (T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0330)*

26 51 16 00-0342 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0341)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 16 00-0343	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	555.74	126.27
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0344	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	583.07	139.90
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0345	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	664.75	159.70
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0346	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	806.83	168.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0347	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	539.58	159.70
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0348	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	597.21	168.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0349	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	700.45	176.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	147.10	33.42
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-8.75*	
		For >250 To 500, Deduct	*-14.71*	
		For >500, Deduct	*-20.67*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	181.81	40.85
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 250, Deduct	*-10.79*	
		For >250 To 500, Deduct	*-18.18*	
		For >500, Deduct	*-25.57*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	182.25	40.85
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.64*	
26 51 19 00-0006	EA	9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002)	135.88	33.42
		For >50 To 100, Deduct	*-4.79*	
		For >100 To 250, Deduct	*-8.19*	
		For >250 To 500, Deduct	*-13.59*	
		For >500, Deduct	*-18.99*	
26 51 19 00-0007	EA	12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012)	147.87	33.42
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 250, Deduct	*-8.79*	
		For >250 To 500, Deduct	*-14.79*	
		For >500, Deduct	*-20.79*	
26 51 19 00-0008	EA	18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005)	166.10	33.42
		For >50 To 100, Deduct	*-5.55*	
		For >100 To 250, Deduct	*-9.70*	
		For >250 To 500, Deduct	*-16.61*	
		For >500, Deduct	*-23.52*	
26 51 19 00-0009	EA	24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013)	183.76	33.42
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-18.38*	
		For >500, Deduct	*-26.17*	
26 51 19 00-0010	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	175.33	33.42
		For >50 To 100, Deduct	*-5.78*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-17.53*	
		For >500, Deduct	*-24.91*	

26 51 19 00-0011 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0012 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0011)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0013	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	226.05	37.14
26 51 19 00-0014	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	231.99	37.14
26 51 19 00-0015	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	268.15	45.31
26 51 19 00-0016	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	274.11	45.31
26 51 19 00-0017	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	280.06	45.31
26 51 19 00-0018	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	286.00	45.31
26 51 19 00-0019	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	291.95	45.31
26 51 19 00-0020	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	372.72	53.60
26 51 19 00-0021	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	384.62	53.60
26 51 19 00-0022	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	398.00	53.60
26 51 19 00-0023	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	409.90	53.60
26 51 19 00-0024	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	423.28	53.60
26 51 19 00-0025	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	435.17	53.60

26 51 19 00-0026 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0011)*

26 51 19 00-0027	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	232.60	37.14
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-13.02*	
		For >250 To 500, Deduct	*-23.26*	
		For >500, Deduct	*-33.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0028	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	244.98	45.31
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 250, Deduct	*-13.95*	
		For >250 To 500, Deduct	*-24.50*	
		For >500, Deduct	*-35.04*	
26 51 19 00-0029	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	275.36	37.14
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 250, Deduct	*-15.16*	
		For >250 To 500, Deduct	*-27.54*	
		For >500, Deduct	*-39.91*	
26 51 19 00-0030	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	287.74	45.31
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-16.09*	
		For >250 To 500, Deduct	*-28.77*	
		For >500, Deduct	*-41.46*	
26 51 19 00-0031	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	359.99	45.31
		For >50 To 100, Deduct	*-10.70*	
		For >100 To 250, Deduct	*-19.70*	
		For >250 To 500, Deduct	*-36.00*	
		For >500, Deduct	*-52.30*	
26 51 19 00-0032	EA	3,000 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2N)	286.16	82.57
		For >50 To 100, Deduct	*-10.25*	
		For >100 To 250, Deduct	*-17.40*	
		For >250 To 500, Deduct	*-28.62*	
		For >500, Deduct	*-39.83*	

26 51 19 00-0033 Striplight LED Fixtures (Lithonia ZL1D) *(26 51 19 00-0011)*

26 51 19 00-0034	EA	1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI)	183.59	37.14
		For >50 To 100, Deduct	*-5.98*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-18.36*	
		For >500, Deduct	*-26.15*	
26 51 19 00-0035	EA	2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI)	183.59	37.14
		For >50 To 100, Deduct	*-5.98*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-18.36*	
		For >500, Deduct	*-26.15*	
26 51 19 00-0036	EA	2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI)	183.59	37.14
		For >50 To 100, Deduct	*-5.98*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-18.36*	
		For >500, Deduct	*-26.15*	
26 51 19 00-0037	EA	2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI)	183.59	37.14
		For >50 To 100, Deduct	*-5.98*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-18.36*	
		For >500, Deduct	*-26.15*	
26 51 19 00-0038	EA	2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI)	206.89	37.14
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-20.69*	
		For >500, Deduct	*-29.64*	
26 51 19 00-0039	EA	2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI)	206.89	37.14
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-20.69*	
		For >500, Deduct	*-29.64*	
26 51 19 00-0040	EA	2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI)	206.89	37.14
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-20.69*	
		For >500, Deduct	*-29.64*	
26 51 19 00-0041	EA	2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI)	206.89	37.14
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-20.69*	
		For >500, Deduct	*-29.64*	
26 51 19 00-0042	EA	4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI)	218.48	37.14
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-21.85*	
		For >500, Deduct	*-31.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0043	EA	4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI)	218.48	37.14
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-21.85*	
		For >500, Deduct	*-31.38*	
26 51 19 00-0044	EA	4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI)	218.48	37.14
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-21.85*	
		For >500, Deduct	*-31.38*	
26 51 19 00-0045	EA	4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI)	218.48	37.14
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-21.85*	
		For >500, Deduct	*-31.38*	
26 51 19 00-0046	EA	3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI)	249.44	45.31
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-35.71*	
26 51 19 00-0047	EA	3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI)	249.44	45.31
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-35.71*	
26 51 19 00-0048	EA	4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI)	249.44	45.31
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-35.71*	
26 51 19 00-0049	EA	4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI)	249.44	45.31
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-35.71*	
26 51 19 00-0050	EA	5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI)	261.02	45.31
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.75*	
		For >250 To 500, Deduct	*-26.10*	
		For >500, Deduct	*-37.45*	
26 51 19 00-0051	EA	5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI)	261.02	45.31
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.75*	
		For >250 To 500, Deduct	*-26.10*	
		For >500, Deduct	*-37.45*	
26 51 19 00-0052	EA	5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI)	261.02	45.31
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.75*	
		For >250 To 500, Deduct	*-26.10*	
		For >500, Deduct	*-37.45*	
26 51 19 00-0053	EA	5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI)	261.02	45.31
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.75*	
		For >250 To 500, Deduct	*-26.10*	
		For >500, Deduct	*-37.45*	
26 51 19 00-0054	EA	7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI)	272.62	45.31
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-15.33*	
		For >250 To 500, Deduct	*-27.26*	
		For >500, Deduct	*-39.19*	
26 51 19 00-0055	EA	7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI)	272.62	45.31
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-15.33*	
		For >250 To 500, Deduct	*-27.26*	
		For >500, Deduct	*-39.19*	
26 51 19 00-0056	EA	7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI)	272.62	45.31
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-15.33*	
		For >250 To 500, Deduct	*-27.26*	
		For >500, Deduct	*-39.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0057	EA	7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI)	272.62	45.31
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-15.33*	
		For >250 To 500, Deduct	*-27.26*	
		For >500, Deduct	*-39.19*	

26 51 19 00-0058 Striplight LED Fixtures (Lithonia TZL1D) *(26 51 19 00-0011)*

26 51 19 00-0059	EA	8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI)	443.15	53.60
		For >50 To 100, Deduct	*-13.09*	
		For >100 To 250, Deduct	*-24.17*	
		For >250 To 500, Deduct	*-44.32*	
		For >500, Deduct	*-64.46*	
26 51 19 00-0060	EA	8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI)	443.15	53.60
		For >50 To 100, Deduct	*-13.09*	
		For >100 To 250, Deduct	*-24.17*	
		For >250 To 500, Deduct	*-44.32*	
		For >500, Deduct	*-64.46*	
26 51 19 00-0061	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI)	443.15	53.60
		For >50 To 100, Deduct	*-13.09*	
		For >100 To 250, Deduct	*-24.17*	
		For >250 To 500, Deduct	*-44.32*	
		For >500, Deduct	*-64.46*	
26 51 19 00-0062	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI)	443.15	53.60
		For >50 To 100, Deduct	*-13.09*	
		For >100 To 250, Deduct	*-24.17*	
		For >250 To 500, Deduct	*-44.32*	
		For >500, Deduct	*-64.46*	
26 51 19 00-0063	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI)	466.33	53.60
		For >50 To 100, Deduct	*-13.67*	
		For >100 To 250, Deduct	*-25.33*	
		For >250 To 500, Deduct	*-46.63*	
		For >500, Deduct	*-67.94*	
26 51 19 00-0064	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI)	466.33	53.60
		For >50 To 100, Deduct	*-13.67*	
		For >100 To 250, Deduct	*-25.33*	
		For >250 To 500, Deduct	*-46.63*	
		For >500, Deduct	*-67.94*	
26 51 19 00-0065	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI)	466.33	53.60
		For >50 To 100, Deduct	*-13.67*	
		For >100 To 250, Deduct	*-25.33*	
		For >250 To 500, Deduct	*-46.63*	
		For >500, Deduct	*-67.94*	
26 51 19 00-0066	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI)	466.33	53.60
		For >50 To 100, Deduct	*-13.67*	
		For >100 To 250, Deduct	*-25.33*	
		For >250 To 500, Deduct	*-46.63*	
		For >500, Deduct	*-67.94*	
26 51 19 00-0067	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI)	489.64	53.60
		For >50 To 100, Deduct	*-14.25*	
		For >100 To 250, Deduct	*-26.49*	
		For >250 To 500, Deduct	*-48.96*	
		For >500, Deduct	*-71.43*	
26 51 19 00-0068	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI)	489.64	53.60
		For >50 To 100, Deduct	*-14.25*	
		For >100 To 250, Deduct	*-26.49*	
		For >250 To 500, Deduct	*-48.96*	
		For >500, Deduct	*-71.43*	
26 51 19 00-0069	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI)	489.64	53.60
		For >50 To 100, Deduct	*-14.25*	
		For >100 To 250, Deduct	*-26.49*	
		For >250 To 500, Deduct	*-48.96*	
		For >500, Deduct	*-71.43*	
26 51 19 00-0070	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI)	489.64	53.60
		For >50 To 100, Deduct	*-14.25*	
		For >100 To 250, Deduct	*-26.49*	
		For >250 To 500, Deduct	*-48.96*	
		For >500, Deduct	*-71.43*	

26 51 19 00-0071 Striplight LED Fixtures (Mobern) *(26 51 19 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0072	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	235.74	37.14
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-23.57*	
		For >500, Deduct	*-33.97*	

26 51 19 00-0073 Striplight LED Fixtures (Eaton) *(26 51 19 00-0011)*

26 51 19 00-0074	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	299.70	45.31
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 250, Deduct	*-16.69*	
		For >250 To 500, Deduct	*-29.97*	
		For >500, Deduct	*-43.25*	
26 51 19 00-0075	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	282.80	45.31
		For >50 To 100, Deduct	*-8.77*	
		For >100 To 250, Deduct	*-15.84*	
		For >250 To 500, Deduct	*-28.28*	
		For >500, Deduct	*-40.72*	
26 51 19 00-0076	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	299.70	45.31
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 250, Deduct	*-16.69*	
		For >250 To 500, Deduct	*-29.97*	
		For >500, Deduct	*-43.25*	

26 51 19 00-0077 Striplight LED Fixtures (FSC LCS) *(26 51 19 00-0011)*

26 51 19 00-0078	EA	1,746 Lumens, 12 Watt, 2' Length, LED Industrial Strip (FSC LCS)	347.64	37.14
		For >50 To 100, Deduct	*-10.08*	
		For >100 To 250, Deduct	*-18.77*	
		For >250 To 500, Deduct	*-34.76*	
		For >500, Deduct	*-50.75*	
26 51 19 00-0079	EA	6,355 Lumens, 50 Watt, 4' Length, LED Industrial Strip (FSC LCS)	570.93	45.81
		For >50 To 100, Deduct	*-15.98*	
		For >100 To 250, Deduct	*-30.25*	
		For >250 To 500, Deduct	*-57.09*	
		For >500, Deduct	*-83.94*	
26 51 19 00-0080	EA	6,355 Lumens, 50 Watt, 8' Length, LED Industrial Strip (FSC LCS)	645.66	53.60
		For >50 To 100, Deduct	*-18.15*	
		For >100 To 250, Deduct	*-34.29*	
		For >250 To 500, Deduct	*-64.57*	
		For >500, Deduct	*-94.84*	

26 51 19 00-0081 Striplight LED Fixtures (Globalux LCS) *(26 51 19 00-0011)*

26 51 19 00-0082	EA	7,035 Lumens, 68 Watt, 8' Length, LED Industrial Strip (Globalux LCS)	262.92	53.60
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-15.16*	
		For >250 To 500, Deduct	*-26.29*	
		For >500, Deduct	*-37.43*	
26 51 19 00-0083	EA	10,093 Lumens, 104 Watt, 8' Length, LED Industrial Strip (Globalux LCS)	333.20	53.60
		For >50 To 100, Deduct	*-10.34*	
		For >100 To 250, Deduct	*-18.67*	
		For >250 To 500, Deduct	*-33.32*	
		For >500, Deduct	*-47.97*	

26 51 19 00-0084 Striplight LED Fixture (GreenCreative STRIPDIM) *(26 51 19 00-0011)*

26 51 19 00-0085	EA	4' Strip, 22.5 Watt, 3000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/830/277V)	182.25	45.31
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.64*	
26 51 19 00-0086	EA	4' Strip, 22.5 Watt, 3500K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/835/277V)	182.25	45.31
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.64*	
26 51 19 00-0087	EA	4' Strip, 22.5 Watt, 4000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/840/277V)	182.25	45.31
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.64*	
26 51 19 00-0088	EA	4' Strip, 22.5 Watt, 5000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/850/277V)	182.25	45.31
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.81*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.64*	
26 51 19 00-0089	EA	4' Strip, 38.5 Watt, 3000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/830/277V)	227.11	45.31
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-13.06*	
		For >250 To 500, Deduct	*-22.71*	
		For >500, Deduct	*-32.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0090	EA	4' Strip, 38.5 Watt, 3500K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/835/277V)	227.11	45.31
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-13.06*	
		For >250 To 500, Deduct	*-22.71*	
		For >500, Deduct	*-32.36*	
26 51 19 00-0091	EA	4' Strip, 38.5 Watt, 4000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/840/277V)	227.11	45.31
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-13.06*	
		For >250 To 500, Deduct	*-22.71*	
		For >500, Deduct	*-32.36*	
26 51 19 00-0092	EA	4' Strip, 38.5 Watt, 5000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/850/277V)	227.11	45.31
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-13.06*	
		For >250 To 500, Deduct	*-22.71*	
		For >500, Deduct	*-32.36*	
26 51 19 00-0093		**Surface Ambient Fixture (Cree LS4)** *(26 51 19 00-0011)*		
26 51 19 00-0094	EA	2,500 Lumens, 23 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-35K-10V)	234.41	57.69
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-13.89*	
		For >250 To 500, Deduct	*-23.44*	
		For >500, Deduct	*-33.00*	
26 51 19 00-0095	EA	2,500 Lumens, 23 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-40K-10V)	234.41	57.69
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-13.89*	
		For >250 To 500, Deduct	*-23.44*	
		For >500, Deduct	*-33.00*	
26 51 19 00-0096	EA	2,500 Lumens, 23 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-50K-10V)	249.89	57.69
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 250, Deduct	*-14.66*	
		For >250 To 500, Deduct	*-24.99*	
		For >500, Deduct	*-35.32*	
26 51 19 00-0097	EA	4,000 Lumens, 44 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-35K-10V)	235.15	57.69
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 250, Deduct	*-13.92*	
		For >250 To 500, Deduct	*-23.52*	
		For >500, Deduct	*-33.11*	
26 51 19 00-0098	EA	4,000 Lumens, 44 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-40K-10V)	226.06	57.69
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.47*	
		For >250 To 500, Deduct	*-22.61*	
		For >500, Deduct	*-31.74*	
26 51 19 00-0099	EA	4,000 Lumens, 44 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-50K-10V)	244.56	57.69
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 250, Deduct	*-14.39*	
		For >250 To 500, Deduct	*-24.46*	
		For >500, Deduct	*-34.52*	
26 51 19 00-0100	EA	6,000 Lumens, 60 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-35K-10V)	266.78	57.69
		For >50 To 100, Deduct	*-8.84*	
		For >100 To 250, Deduct	*-15.51*	
		For >250 To 500, Deduct	*-26.68*	
		For >500, Deduct	*-37.85*	
26 51 19 00-0101	EA	6,000 Lumens, 60 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-40K-10V)	266.78	57.69
		For >50 To 100, Deduct	*-8.84*	
		For >100 To 250, Deduct	*-15.51*	
		For >250 To 500, Deduct	*-26.68*	
		For >500, Deduct	*-37.85*	
26 51 19 00-0102	EA	6,000 Lumens, 60 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-50K-10V)	282.26	57.69
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-16.28*	
		For >250 To 500, Deduct	*-28.23*	
		For >500, Deduct	*-40.17*	
26 51 19 00-0103		**Suspended Linear LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0104		**Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD)** *(26 51 19 00-0103)*		
26 51 19 00-0105	EA	3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0106	EA	3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0107	EA	3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0108	EA	4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0109	EA	4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0110	EA	4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0111	EA	4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0112	EA	4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0113	EA	5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0114	EA	5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0115	EA	6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0116	EA	6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF)	757.37	45.31
		For >50 To 100, Deduct	*-20.64*	
		For >100 To 250, Deduct	*-39.57*	
		For >250 To 500, Deduct	*-75.74*	
		For >500, Deduct	*-111.90*	
26 51 19 00-0117	EA	6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF)	1,128.42	53.60
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-58.43*	
		For >250 To 500, Deduct	*-112.84*	
		For >500, Deduct	*-167.25*	
26 51 19 00-0118	EA	6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF)	1,128.42	53.60
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-58.43*	
		For >250 To 500, Deduct	*-112.84*	
		For >500, Deduct	*-167.25*	
26 51 19 00-0119	EA	6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF)	1,128.42	53.60
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-58.43*	
		For >250 To 500, Deduct	*-112.84*	
		For >500, Deduct	*-167.25*	
26 51 19 00-0120	EA	8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF)	1,128.42	53.60
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-58.43*	
		For >250 To 500, Deduct	*-112.84*	
		For >500, Deduct	*-167.25*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0121		EA	8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0122		EA	8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0123		EA	9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0124		EA	9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0125		EA	10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0126		EA	11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0127		EA	12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0128		EA	12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF)	1,128.42	53.60
			For >50 To 100, Deduct	*-30.22*	
			For >100 To 250, Deduct	*-58.43*	
			For >250 To 500, Deduct	*-112.84*	
			For >500, Deduct	*-167.25*	
26 51 19 00-0129			**Suspended Linear LED Fixtures (Lithonia GRD)** *(26 51 19 00-0103)*		
26 51 19 00-0130		EA	24' Length, 8' Sections, 80 CRI, 3,500K, LED Linear Fixture (Lithonia GRD 24FT MSL8 80 CRI 35K ID800LMF 20/80 MIN1 ZT 120 SCT PDT)	2,256.42	204.27
26 51 19 00-0131			**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0132			**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0131)*		
26 51 19 00-0133			**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0132)*		
26 51 19 00-0134		EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	630.99	44.94
			For Drywall Or Plaster Ceilings With Frame Kit, Add	*48.57*	
			For >50 To 100, Deduct	*-17.48*	
			For >100 To 250, Deduct	*-33.25*	
			For >250 To 500, Deduct	*-63.10*	
			For >500, Deduct	*-92.95*	
26 51 19 00-0135		EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	379.97	49.52
			For Drywall Or Plaster Ceilings, Add	*33.43*	
			For >50 To 100, Deduct	*-11.36*	
			For >100 To 250, Deduct	*-20.86*	
			For >250 To 500, Deduct	*-38.00*	
			For >500, Deduct	*-55.14*	
26 51 19 00-0136		EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	637.46	57.69
			For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.54*	
			For >50 To 100, Deduct	*-18.10*	
			For >100 To 250, Deduct	*-34.04*	
			For >250 To 500, Deduct	*-63.75*	
			For >500, Deduct	*-93.45*	
26 51 19 00-0137			**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0132)*		
26 51 19 00-0138		EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	908.73	44.94
			For >50 To 100, Deduct	*-24.42*	
			For >100 To 250, Deduct	*-47.14*	
			For >250 To 500, Deduct	*-90.87*	
			For >500, Deduct	*-134.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0139	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	639.69	49.52
		For >50 To 100, Deduct	*-17.85*	
		For >100 To 250, Deduct	*-33.84*	
		For >250 To 500, Deduct	*-63.97*	
		For >500, Deduct	*-94.10*	
26 51 19 00-0140	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	833.16	57.69
		For >50 To 100, Deduct	*-23.00*	
		For >100 To 250, Deduct	*-43.82*	
		For >250 To 500, Deduct	*-83.32*	
		For >500, Deduct	*-122.81*	
26 51 19 00-0141		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 19 00-0132)*		
26 51 19 00-0142	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	421.90	49.52
		For >50 To 100, Deduct	*-12.40*	
		For >100 To 250, Deduct	*-22.95*	
		For >250 To 500, Deduct	*-42.19*	
		For >500, Deduct	*-61.43*	
26 51 19 00-0143	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	466.75	49.52
		For >50 To 100, Deduct	*-13.53*	
		For >100 To 250, Deduct	*-25.19*	
		For >250 To 500, Deduct	*-46.68*	
		For >500, Deduct	*-68.16*	
26 51 19 00-0144	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	397.23	49.52
		For >50 To 100, Deduct	*-11.79*	
		For >100 To 250, Deduct	*-21.72*	
		For >250 To 500, Deduct	*-39.72*	
		For >500, Deduct	*-57.73*	
26 51 19 00-0145	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	397.23	49.52
		For >50 To 100, Deduct	*-11.79*	
		For >100 To 250, Deduct	*-21.72*	
		For >250 To 500, Deduct	*-39.72*	
		For >500, Deduct	*-57.73*	
26 51 19 00-0146	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	426.38	49.52
		For >50 To 100, Deduct	*-12.52*	
		For >100 To 250, Deduct	*-23.18*	
		For >250 To 500, Deduct	*-42.64*	
		For >500, Deduct	*-62.10*	
26 51 19 00-0147		**Volumetric, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0131)*		
26 51 19 00-0148		**Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0147)*		
26 51 19 00-0149	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	518.80	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
		For >50 To 100, Deduct	*-14.67*	
		For >100 To 250, Deduct	*-27.64*	
		For >250 To 500, Deduct	*-51.88*	
		For >500, Deduct	*-76.12*	
26 51 19 00-0150	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	637.00	44.94
		For Drywall Or Plaster Ceilings, Add	*30.64*	
		For >50 To 100, Deduct	*-17.63*	
		For >100 To 250, Deduct	*-33.55*	
		For >250 To 500, Deduct	*-63.70*	
		For >500, Deduct	*-93.85*	
26 51 19 00-0151	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	499.58	49.52
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.55*	
		For >50 To 100, Deduct	*-14.35*	
		For >100 To 250, Deduct	*-26.84*	
		For >250 To 500, Deduct	*-49.96*	
		For >500, Deduct	*-73.08*	
26 51 19 00-0152	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	571.38	49.52
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.14*	
		For >50 To 100, Deduct	*-16.14*	
		For >100 To 250, Deduct	*-30.43*	
		For >250 To 500, Deduct	*-57.14*	
		For >500, Deduct	*-83.85*	
26 51 19 00-0153	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	628.82	49.52
		For >50 To 100, Deduct	*-17.58*	
		For >100 To 250, Deduct	*-33.30*	
		For >250 To 500, Deduct	*-62.88*	
		For >500, Deduct	*-92.47*	
26 51 19 00-0154	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	641.21	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.73*	
		For >50 To 100, Deduct	*-18.20*	
		For >100 To 250, Deduct	*-34.23*	
		For >250 To 500, Deduct	*-64.12*	
		For >500, Deduct	*-94.01*	
26 51 19 00-0155	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	698.65	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*56.60*	
		For >50 To 100, Deduct	*-19.63*	
		For >100 To 250, Deduct	*-37.10*	
		For >250 To 500, Deduct	*-69.87*	
		For >500, Deduct	*-102.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0156	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	756.09	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*59.47*	
		For >50 To 100, Deduct	*-21.07*	
		For >100 To 250, Deduct	*-39.97*	
		For >250 To 500, Deduct	*-75.61*	
		For >500, Deduct	*-111.25*	
26 51 19 00-0157	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	442.15	49.52
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.68*	
		For >50 To 100, Deduct	*-12.91*	
		For >100 To 250, Deduct	*-23.96*	
		For >250 To 500, Deduct	*-44.22*	
		For >500, Deduct	*-64.47*	
26 51 19 00-0158	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	513.94	49.52
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.27*	
		For >50 To 100, Deduct	*-14.71*	
		For >100 To 250, Deduct	*-27.55*	
		For >250 To 500, Deduct	*-51.39*	
		For >500, Deduct	*-75.23*	
26 51 19 00-0159	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	557.01	49.52
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.42*	
		For >50 To 100, Deduct	*-15.78*	
		For >100 To 250, Deduct	*-29.71*	
		For >250 To 500, Deduct	*-55.70*	
		For >500, Deduct	*-81.69*	
26 51 19 00-0160	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	555.06	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.42*	
		For >50 To 100, Deduct	*-16.04*	
		For >100 To 250, Deduct	*-29.92*	
		For >250 To 500, Deduct	*-55.51*	
		For >500, Deduct	*-81.09*	
26 51 19 00-0161	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	583.77	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.86*	
		For >50 To 100, Deduct	*-16.76*	
		For >100 To 250, Deduct	*-31.36*	
		For >250 To 500, Deduct	*-58.38*	
		For >500, Deduct	*-85.40*	
26 51 19 00-0162	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	641.21	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.73*	
		For >50 To 100, Deduct	*-18.20*	
		For >100 To 250, Deduct	*-34.23*	
		For >250 To 500, Deduct	*-64.12*	
		For >500, Deduct	*-94.01*	

26 51 19 00-0163 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0131)*

26 51 19 00-0164 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0163)*

Note: Includes 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0165	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-22L-40K-S)	436.32	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.35*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-13.07*	
		For >100 To 250, Deduct	*-23.98*	
		For >250 To 500, Deduct	*-43.63*	
		For >500, Deduct	*-63.28*	
26 51 19 00-0166	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-31L-30/50K-S)	469.31	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.35*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 250, Deduct	*-25.63*	
		For >250 To 500, Deduct	*-46.93*	
		For >500, Deduct	*-68.23*	
26 51 19 00-0167	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-30/50K-S)	469.31	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.35*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 250, Deduct	*-25.63*	
		For >250 To 500, Deduct	*-46.93*	
		For >500, Deduct	*-68.23*	
26 51 19 00-0168	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-50L-30/50K-S)	517.99	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.35*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-15.12*	
		For >100 To 250, Deduct	*-28.07*	
		For >250 To 500, Deduct	*-51.80*	
		For >500, Deduct	*-75.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0169	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-31L-35K-S)	416.48	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-22.99*	
		For >250 To 500, Deduct	*-41.65*	
		For >500, Deduct	*-60.31*	
26 51 19 00-0170	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-35K-S)	416.48	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-22.99*	
		For >250 To 500, Deduct	*-41.65*	
		For >500, Deduct	*-60.31*	
26 51 19 00-0171	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-50L-35K-S)	466.74	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-13.84*	
		For >100 To 250, Deduct	*-25.50*	
		For >250 To 500, Deduct	*-46.67*	
		For >500, Deduct	*-67.84*	
26 51 19 00-0172	EA	2' x 2', 2,000 Lumens, 3000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	399.54	49.52
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.83*	
		For >250 To 500, Deduct	*-39.95*	
		For >500, Deduct	*-58.07*	
26 51 19 00-0173	EA	2' x 2', 2,000 Lumens, 3500K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	399.54	49.52
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.83*	
		For >250 To 500, Deduct	*-39.95*	
		For >500, Deduct	*-58.07*	
26 51 19 00-0174	EA	2' x 2', 2,000 Lumens, 4000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	399.54	49.52
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.83*	
		For >250 To 500, Deduct	*-39.95*	
		For >500, Deduct	*-58.07*	
26 51 19 00-0175	EA	2' x 2', 2,000 Lumens, 5000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	399.54	49.52
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.83*	
		For >250 To 500, Deduct	*-39.95*	
		For >500, Deduct	*-58.07*	
26 51 19 00-0176	EA	2' x 2', 2,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-20L-30/50K-S) Note: CCT 30K to 50K	405.27	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-11.99*	
		For >100 To 250, Deduct	*-22.12*	
		For >250 To 500, Deduct	*-40.53*	
		For >500, Deduct	*-58.93*	
26 51 19 00-0177	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-32L-35/40K-S) Note: CCT 30K to 50K	383.10	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-11.43*	
		For >100 To 250, Deduct	*-21.01*	
		For >250 To 500, Deduct	*-38.31*	
		For >500, Deduct	*-55.61*	
26 51 19 00-0178	EA	2' x 2', 2,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-20L-35K-S)	351.44	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-10.64*	
		For >100 To 250, Deduct	*-19.43*	
		For >250 To 500, Deduct	*-35.14*	
		For >500, Deduct	*-50.86*	
26 51 19 00-0179	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (CREE® CR22-32L-30K-S)	383.69	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-11.45*	
		For >100 To 250, Deduct	*-21.04*	
		For >250 To 500, Deduct	*-38.37*	
		For >500, Deduct	*-55.70*	
26 51 19 00-0180	EA	2' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-22L-35/40K-S) Note: CCT 30K to 50K	454.62	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.49*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-13.53*	
		For >100 To 250, Deduct	*-24.90*	
		For >250 To 500, Deduct	*-45.46*	
		For >500, Deduct	*-66.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0181	EA	2' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-31L-30/50K-S) Note: CCT 30K to 50K	469.31	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.49*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 250, Deduct	*-25.63*	
		For >250 To 500, Deduct	*-46.93*	
		For >500, Deduct	*-68.23*	
26 51 19 00-0182	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-30/50K-S) Note: CCT 30K to 50K	469.31	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.49*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 250, Deduct	*-25.63*	
		For >250 To 500, Deduct	*-46.93*	
		For >500, Deduct	*-68.23*	
26 51 19 00-0183	EA	2' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-31L-35K-S)	435.88	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-13.06*	
		For >100 To 250, Deduct	*-23.96*	
		For >250 To 500, Deduct	*-43.59*	
		For >500, Deduct	*-63.22*	
26 51 19 00-0184	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-35K-S)	416.48	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-22.99*	
		For >250 To 500, Deduct	*-41.65*	
		For >500, Deduct	*-60.31*	
26 51 19 00-0185	EA	2' x 4', 4,000 Lumens, High Efficiency, Architectural, Lay-In/Troffer LED Fixture (CREE® CR24-40LHE-35/40K-S) Note: CCT 30K to 50K	593.38	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.49*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-17.00*	
		For >100 To 250, Deduct	*-31.84*	
		For >250 To 500, Deduct	*-59.34*	
		For >500, Deduct	*-86.84*	
26 51 19 00-0186	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-50L-30/50K-S) Note: CCT 30K to 50K	517.99	57.69
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.49*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-15.12*	
		For >100 To 250, Deduct	*-28.07*	
		For >250 To 500, Deduct	*-51.80*	
		For >500, Deduct	*-75.53*	
26 51 19 00-0187	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-50L-35K-S)	487.62	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-14.36*	
		For >100 To 250, Deduct	*-26.55*	
		For >250 To 500, Deduct	*-48.76*	
		For >500, Deduct	*-70.98*	
26 51 19 00-0188	EA	1' x 4', 4,000 Lumens, Architectural, High Efficacy, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-30K-S)	648.63	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-18.38*	
		For >100 To 250, Deduct	*-34.60*	
		For >250 To 500, Deduct	*-64.86*	
		For >500, Deduct	*-95.13*	
26 51 19 00-0189	EA	1' x 4', 4,000 Lumens, Architectural, High Efficacy, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-35K-S)	593.37	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-17.00*	
		For >100 To 250, Deduct	*-31.84*	
		For >250 To 500, Deduct	*-59.34*	
		For >500, Deduct	*-86.84*	
26 51 19 00-0190	EA	2' x 4', 4,000 Lumens, Architectural, High Efficiency, Lay-In/Troffer LED Fixture (CREE® CR24-40LHE-30K-S)	622.51	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-17.73*	
		For >100 To 250, Deduct	*-33.29*	
		For >250 To 500, Deduct	*-62.25*	
		For >500, Deduct	*-91.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0191	EA	1' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR14-40L-30K-S-HD)	417.47	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-12.60*	
		For >100 To 250, Deduct	*-23.04*	
		For >250 To 500, Deduct	*-41.75*	
		For >500, Deduct	*-60.45*	
26 51 19 00-0192	EA	1' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR14-40L-35K-S-HD)	390.77	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-11.94*	
		For >100 To 250, Deduct	*-21.71*	
		For >250 To 500, Deduct	*-39.08*	
		For >500, Deduct	*-56.45*	
26 51 19 00-0193	EA	2' x 2', 3,200 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR22-32L-30K-S-HD)	379.96	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-11.36*	
		For >100 To 250, Deduct	*-20.86*	
		For >250 To 500, Deduct	*-38.00*	
		For >500, Deduct	*-55.14*	
26 51 19 00-0194	EA	2' x 2', 3,200 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR22-32L-35K-S-HD)	354.83	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 250, Deduct	*-19.60*	
		For >250 To 500, Deduct	*-35.48*	
		For >500, Deduct	*-51.37*	
26 51 19 00-0195	EA	2' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR24-40L-30K-S-HD)	417.47	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-12.60*	
		For >100 To 250, Deduct	*-23.04*	
		For >250 To 500, Deduct	*-41.75*	
		For >500, Deduct	*-60.45*	
26 51 19 00-0196	EA	2' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR24-40L-35K-S-HD)	390.77	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-11.94*	
		For >100 To 250, Deduct	*-21.71*	
		For >250 To 500, Deduct	*-39.08*	
		For >500, Deduct	*-56.45*	
26 51 19 00-0197	EA	1' x 4', 4,000 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-ACK-CMA)	509.79	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-14.91*	
		For >100 To 250, Deduct	*-27.66*	
		For >250 To 500, Deduct	*-50.98*	
		For >500, Deduct	*-74.30*	
26 51 19 00-0198	EA	1' x 4', 4,000 Lumens, High Efficacy, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-30K-CMA)	593.96	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For Surface Mount, Add	*227.79*	
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-31.86*	
		For >250 To 500, Deduct	*-59.40*	
		For >500, Deduct	*-86.93*	
26 51 19 00-0199	EA	2' x 2', 3,200 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-32L-ACK-CMA)	447.53	49.52
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For Surface Mount, Add	*214.32*	
		For >50 To 100, Deduct	*-13.05*	
		For >100 To 250, Deduct	*-24.23*	
		For >250 To 500, Deduct	*-44.75*	
		For >500, Deduct	*-65.27*	
26 51 19 00-0200	EA	2' x 4', 4,000 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-ACK-CMA)	509.79	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-14.91*	
		For >100 To 250, Deduct	*-27.66*	
		For >250 To 500, Deduct	*-50.98*	
		For >500, Deduct	*-74.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0201	EA	2' x 4', 4,000 Lumens, High Efficacy, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40LHE-30K-CMA)	593.96	58.19
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For Surface Mount, Add	*248.21*	
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-31.86*	
		For >250 To 500, Deduct	*-59.40*	
		For >500, Deduct	*-86.93*	
26 51 19 00-0202		Architectural, Lay-In/Troffer LED Fixtures (CREE® ZR Series) *(26 51 19 00-0163)* Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0203	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-10V)	288.07	58.19
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For >50 To 100, Deduct	*-9.37*	
		For >100 To 250, Deduct	*-16.57*	
		For >250 To 500, Deduct	*-28.81*	
		For >500, Deduct	*-41.04*	
		For Surface Mount, Add	*174.39*	
26 51 19 00-0204	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-40L-35K-10V)	257.21	49.52
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For >50 To 100, Deduct	*-8.29*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-25.72*	
		For >500, Deduct	*-36.72*	
		For Surface Mount, Add	*162.68*	
26 51 19 00-0205	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32LHE-35K-10V)	811.53	49.52
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For >50 To 100, Deduct	*-22.15*	
		For >100 To 250, Deduct	*-42.43*	
		For >250 To 500, Deduct	*-81.15*	
		For >500, Deduct	*-119.87*	
		For Surface Mount, Add	*162.68*	
26 51 19 00-0206	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-10V)	297.31	58.19
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For >50 To 100, Deduct	*-9.60*	
		For >100 To 250, Deduct	*-17.03*	
		For >250 To 500, Deduct	*-29.73*	
		For >500, Deduct	*-42.43*	
		For Surface Mount, Add	*192.86*	
26 51 19 00-0207	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-32LHE-35K-10V)	1,008.69	58.19
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For >50 To 100, Deduct	*-27.38*	
		For >100 To 250, Deduct	*-52.60*	
		For >250 To 500, Deduct	*-100.87*	
		For >500, Deduct	*-149.14*	
		For Surface Mount, Add	*192.86*	
26 51 19 00-0208	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-50L-40K-10V-FD)	317.63	58.19
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.05*	
		For >250 To 500, Deduct	*-31.76*	
		For >500, Deduct	*-45.48*	
		For Surface Mount, Add	*192.86*	
26 51 19 00-0209	EA	1' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-CMA)	361.97	58.19
		For Drywall Or Plaster Ceilings, Add	*146.34*	
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.27*	
		For >250 To 500, Deduct	*-36.20*	
		For >500, Deduct	*-52.13*	
		For Surface Mount, Add	*174.39*	
26 51 19 00-0210	EA	2' x 2', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32L-35K-CMA)	331.12	49.52
		For Drywall Or Plaster Ceilings, Add	*127.68*	
		For >50 To 100, Deduct	*-10.14*	
		For >100 To 250, Deduct	*-18.41*	
		For >250 To 500, Deduct	*-33.11*	
		For >500, Deduct	*-47.81*	
		For Surface Mount, Add	*162.68*	
26 51 19 00-0211	EA	2' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-CMA)	371.22	58.19
		For Drywall Or Plaster Ceilings, Add	*149.48*	
		For >50 To 100, Deduct	*-11.45*	
		For >100 To 250, Deduct	*-20.73*	
		For >250 To 500, Deduct	*-37.12*	
		For >500, Deduct	*-53.52*	
		For Surface Mount, Add	*192.86*	
26 51 19 00-0212		Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0163)* Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0213	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	429.82	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.16*	
		For >50 To 100, Deduct	*-12.91*	
		For >100 To 250, Deduct	*-23.66*	
		For >250 To 500, Deduct	*-42.98*	
		For >500, Deduct	*-62.31*	
26 51 19 00-0214	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	503.55	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.85*	
		For >50 To 100, Deduct	*-14.76*	
		For >100 To 250, Deduct	*-27.34*	
		For >250 To 500, Deduct	*-50.36*	
		For >500, Deduct	*-73.37*	
26 51 19 00-0215	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	569.91	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.16*	
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-30.66*	
		For >250 To 500, Deduct	*-56.99*	
		For >500, Deduct	*-83.32*	

26 51 19 00-0216 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0217	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	310.50	49.52
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 250, Deduct	*-17.38*	
		For >250 To 500, Deduct	*-31.05*	
		For >500, Deduct	*-44.72*	
26 51 19 00-0218	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	412.01	57.69
		For >50 To 100, Deduct	*-12.47*	
		For >100 To 250, Deduct	*-22.77*	
		For >250 To 500, Deduct	*-41.20*	
		For >500, Deduct	*-59.64*	

26 51 19 00-0219 Architectural, Lay-In/Troffer LED Fixtures (Orion) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0220	EA	2' x 2', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-22-1P-CT-M-LF)	347.04	49.52
		For >50 To 100, Deduct	*-10.53*	
		For >100 To 250, Deduct	*-19.21*	
		For >250 To 500, Deduct	*-34.70*	
		For >500, Deduct	*-50.20*	
26 51 19 00-0221	EA	2' x 2', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-22-1P-CT-M-LF)	359.55	49.52
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 250, Deduct	*-19.83*	
		For >250 To 500, Deduct	*-35.96*	
		For >500, Deduct	*-52.08*	
26 51 19 00-0222	EA	2' x 4', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-24-1P-CT-M-LF)	375.68	58.19
		For >50 To 100, Deduct	*-11.56*	
		For >100 To 250, Deduct	*-20.95*	
		For >250 To 500, Deduct	*-37.57*	
		For >500, Deduct	*-54.19*	
26 51 19 00-0223	EA	2' x 4', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-24-1P-CT-M-LF)	388.19	58.19
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 250, Deduct	*-21.58*	
		For >250 To 500, Deduct	*-38.82*	
		For >500, Deduct	*-56.06*	

26 51 19 00-0224 Architectural, Lay-In/Troffer LED Fixtures (Everlast) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0225	EA	2' x 2', 4,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	462.27	49.52
		For >50 To 100, Deduct	*-13.41*	
		For >100 To 250, Deduct	*-24.97*	
		For >250 To 500, Deduct	*-46.23*	
		For >500, Deduct	*-67.48*	
26 51 19 00-0226	EA	2' x 4', 10,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	770.68	58.19
		For >50 To 100, Deduct	*-21.43*	
		For >100 To 250, Deduct	*-40.70*	
		For >250 To 500, Deduct	*-77.07*	
		For >500, Deduct	*-113.44*	

26 51 19 00-0227 Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0163)*

Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0228	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	422.51	49.52
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-22.98*	
		For >250 To 500, Deduct	*-42.25*	
		For >500, Deduct	*-61.52*	
26 51 19 00-0229	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	572.51	58.19
		For >50 To 100, Deduct	*-16.48*	
		For >100 To 250, Deduct	*-30.79*	
		For >250 To 500, Deduct	*-57.25*	
		For >500, Deduct	*-83.71*	
26 51 19 00-0230		Shadow Box Style, Lay-In/Troffer LED Fixtures *(26 51 19 00-0131)*		
26 51 19 00-0231		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) *(26 51 19 00-0230)*		
26 51 19 00-0232	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	670.27	49.52
		For Drywall Or Plaster Ceilings, Add	*33.43*	
		For >50 To 100, Deduct	*-18.61*	
		For >100 To 250, Deduct	*-35.37*	
		For >250 To 500, Deduct	*-67.03*	
		For >500, Deduct	*-98.68*	
26 51 19 00-0233	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	914.18	57.69
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*67.38*	
		For >50 To 100, Deduct	*-25.02*	
		For >100 To 250, Deduct	*-47.88*	
		For >250 To 500, Deduct	*-91.42*	
		For >500, Deduct	*-134.96*	
26 51 19 00-0234		Panel Type, Lay-In/Troffer LED Fixtures *(26 51 19 00-0131)*		
26 51 19 00-0235		Panel Type, Lay-In/Troffer LED Fixtures (CREE® FP Series) *(26 51 19 00-0234)*		
26 51 19 00-0236	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP14-40L-35K-10V)	312.82	58.19
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-17.81*	
		For >250 To 500, Deduct	*-31.28*	
		For >500, Deduct	*-44.76*	
26 51 19 00-0237	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP14-40L-35K-10V-EB14)	777.72	58.19
		For >50 To 100, Deduct	*-21.61*	
		For >100 To 250, Deduct	*-41.05*	
		For >250 To 500, Deduct	*-77.77*	
		For >500, Deduct	*-114.49*	
26 51 19 00-0238	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-34L-35K-10V)	239.19	49.52
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-23.92*	
		For >500, Deduct	*-34.02*	
26 51 19 00-0239	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-50L-35K-10V)	273.74	49.52
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 250, Deduct	*-15.54*	
		For >250 To 500, Deduct	*-27.37*	
		For >500, Deduct	*-39.20*	
26 51 19 00-0240	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-34L-35K-10V-EB14)	713.04	58.19
		For >50 To 100, Deduct	*-19.99*	
		For >100 To 250, Deduct	*-37.82*	
		For >250 To 500, Deduct	*-71.30*	
		For >500, Deduct	*-104.79*	
26 51 19 00-0241	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-50L-35K-10V-EB14)	750.00	58.19
		For >50 To 100, Deduct	*-20.92*	
		For >100 To 250, Deduct	*-39.67*	
		For >250 To 500, Deduct	*-75.00*	
		For >500, Deduct	*-110.33*	
26 51 19 00-0242	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-40L-35K-10V)	330.10	58.19
		For >50 To 100, Deduct	*-10.42*	
		For >100 To 250, Deduct	*-18.67*	
		For >250 To 500, Deduct	*-33.01*	
		For >500, Deduct	*-47.35*	
26 51 19 00-0243	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-50L-35K-10V)	358.37	58.19
		For >50 To 100, Deduct	*-11.13*	
		For >100 To 250, Deduct	*-20.09*	
		For >250 To 500, Deduct	*-35.84*	
		For >500, Deduct	*-51.59*	
26 51 19 00-0244	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-40L-35K-10V-EB14)	796.19	58.19
		For >50 To 100, Deduct	*-22.07*	
		For >100 To 250, Deduct	*-41.98*	
		For >250 To 500, Deduct	*-79.62*	
		For >500, Deduct	*-117.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0245	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-50L-35K-10V-EB14)	825.76	58.19
		For >50 To 100, Deduct	*-22.81*	
		For >100 To 250, Deduct	*-43.45*	
		For >250 To 500, Deduct	*-82.58*	
		For >500, Deduct	*-121.70*	

26 51 19 00-0246 Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0234)*

26 51 19 00-0247	EA	2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2)	285.74	57.69
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 250, Deduct	*-16.45*	
		For >250 To 500, Deduct	*-28.57*	
		For >500, Deduct	*-40.69*	
26 51 19 00-0248	EA	2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2)	285.74	57.69
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 250, Deduct	*-16.45*	
		For >250 To 500, Deduct	*-28.57*	
		For >500, Deduct	*-40.69*	
26 51 19 00-0249	EA	2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4)	231.37	57.69
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-13.74*	
		For >250 To 500, Deduct	*-23.14*	
		For >500, Deduct	*-32.54*	
26 51 19 00-0250	EA	2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4)	231.37	57.69
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-13.74*	
		For >250 To 500, Deduct	*-23.14*	
		For >500, Deduct	*-32.54*	
26 51 19 00-0251	EA	1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4)	255.20	57.69
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-14.93*	
		For >250 To 500, Deduct	*-25.52*	
		For >500, Deduct	*-36.11*	
26 51 19 00-0252	EA	1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4)	255.20	57.69
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-14.93*	
		For >250 To 500, Deduct	*-25.52*	
		For >500, Deduct	*-36.11*	

26 51 19 00-0253 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0234)*

26 51 19 00-0254	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	458.43	57.69
		For >50 To 100, Deduct	*-13.63*	
		For >100 To 250, Deduct	*-25.09*	
		For >250 To 500, Deduct	*-45.84*	
		For >500, Deduct	*-66.60*	
26 51 19 00-0255	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	476.23	57.69
		For >50 To 100, Deduct	*-14.07*	
		For >100 To 250, Deduct	*-25.98*	
		For >250 To 500, Deduct	*-47.62*	
		For >500, Deduct	*-69.27*	
26 51 19 00-0256	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	594.22	57.69
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-31.88*	
		For >250 To 500, Deduct	*-59.42*	
		For >500, Deduct	*-86.97*	
26 51 19 00-0257	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	594.22	57.69
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-31.88*	
		For >250 To 500, Deduct	*-59.42*	
		For >500, Deduct	*-86.97*	

26 51 19 00-0258 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0234)*

26 51 19 00-0259	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	243.13	57.69
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*58.45*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 250, Deduct	*-14.32*	
		For >250 To 500, Deduct	*-24.31*	
		For >500, Deduct	*-34.30*	
26 51 19 00-0260	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	250.75	57.69
		For >50 To 100, Deduct	*-8.44*	
		For >100 To 250, Deduct	*-14.70*	
		For >250 To 500, Deduct	*-25.08*	
		For >500, Deduct	*-35.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0261	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	254.24	57.69
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*73.06*	
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-14.88*	
		For >250 To 500, Deduct	*-25.42*	
		For >500, Deduct	*-35.97*	
26 51 19 00-0262	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	583.52	57.69
		For >50 To 100, Deduct	*-16.75*	
		For >100 To 250, Deduct	*-31.34*	
		For >250 To 500, Deduct	*-58.35*	
		For >500, Deduct	*-85.36*	
26 51 19 00-0263		**Lay-In/Troffer LED Fixtures (LG LGE Series)** *(26 51 19 00-0131)*		
26 51 19 00-0264	EA	26 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-26-35-3400-TB)	306.90	57.69
		For >50 To 100, Deduct	*-9.84*	
		For >100 To 250, Deduct	*-17.51*	
		For >250 To 500, Deduct	*-30.69*	
		For >500, Deduct	*-43.87*	
26 51 19 00-0265	EA	26 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-26-40-3400-TB)	306.90	57.69
		For >50 To 100, Deduct	*-9.84*	
		For >100 To 250, Deduct	*-17.51*	
		For >250 To 500, Deduct	*-30.69*	
		For >500, Deduct	*-43.87*	
26 51 19 00-0266	EA	34 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-34-35-4400-TB)	336.48	57.69
		For >50 To 100, Deduct	*-10.58*	
		For >100 To 250, Deduct	*-18.99*	
		For >250 To 500, Deduct	*-33.65*	
		For >500, Deduct	*-48.31*	
26 51 19 00-0267	EA	34 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-34-40-4500-TB)	336.48	57.69
		For >50 To 100, Deduct	*-10.58*	
		For >100 To 250, Deduct	*-18.99*	
		For >250 To 500, Deduct	*-33.65*	
		For >500, Deduct	*-48.31*	
26 51 19 00-0268	EA	48 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-48-35-5800-TB)	351.78	57.69
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-35.18*	
		For >500, Deduct	*-50.60*	
26 51 19 00-0269	EA	48 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-48-40-6000-TB)	351.78	57.69
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-35.18*	
		For >500, Deduct	*-50.60*	
26 51 19 00-0270	EA	18 Watt, 3500K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-18-35-2350-TB)	290.59	57.69
		For >50 To 100, Deduct	*-9.43*	
		For >100 To 250, Deduct	*-16.70*	
		For >250 To 500, Deduct	*-29.06*	
		For >500, Deduct	*-41.42*	
26 51 19 00-0271	EA	18 Watt, 4000K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-18-40-2400-TB)	290.59	57.69
		For >50 To 100, Deduct	*-9.43*	
		For >100 To 250, Deduct	*-16.70*	
		For >250 To 500, Deduct	*-29.06*	
		For >500, Deduct	*-41.42*	
26 51 19 00-0272	EA	32 Watt, 3500K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-32-35-3400-TB)	310.99	57.69
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-17.72*	
		For >250 To 500, Deduct	*-31.10*	
		For >500, Deduct	*-44.48*	
26 51 19 00-0273	EA	32 Watt, 4000K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-32-40-3400-TB)	310.99	57.69
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-17.72*	
		For >250 To 500, Deduct	*-31.10*	
		For >500, Deduct	*-44.48*	
26 51 19 00-0274	EA	34 Watt, 3500K CCT, 2' x 4', Recessed LED Troffer (LG LGE-2X4RT-34-35-4400-TB)	336.48	57.69
		For >50 To 100, Deduct	*-10.58*	
		For >100 To 250, Deduct	*-18.99*	
		For >250 To 500, Deduct	*-33.65*	
		For >500, Deduct	*-48.31*	
26 51 19 00-0275	EA	34 Watt, 4000K CCT, 2' x 4', Recessed LED Troffer (LG LGE-2X4RT-34-40-4500-TB)	336.48	57.69
		For >50 To 100, Deduct	*-10.58*	
		For >100 To 250, Deduct	*-18.99*	
		For >250 To 500, Deduct	*-33.65*	
		For >500, Deduct	*-48.31*	
26 51 19 00-0276	EA	40 Watt, 3500K CCT, 1' x 4', Simple Choice Troffer LED Fixture (LG LGE-1X4SI-40-35-4000-TB)	209.02	57.69
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 250, Deduct	*-12.62*	
		For >250 To 500, Deduct	*-20.90*	
		For >500, Deduct	*-29.19*	
26 51 19 00-0277	EA	40 Watt, 4000K CCT, 1' x 4', Simple Choice Troffer LED Fixture (LG LGE-1X4SI-40-40-4000-TB)	209.02	57.69
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 250, Deduct	*-12.62*	
		For >250 To 500, Deduct	*-20.90*	
		For >500, Deduct	*-29.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0278	EA	31 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-31-35-4000-TB)	246.74	57.69
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 250, Deduct	*-14.50*	
		For >250 To 500, Deduct	*-24.67*	
		For >500, Deduct	*-34.84*	
26 51 19 00-0279	EA	31 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-31-40-4000-TB)	246.74	57.69
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 250, Deduct	*-14.50*	
		For >250 To 500, Deduct	*-24.67*	
		For >500, Deduct	*-34.84*	
26 51 19 00-0280	EA	40 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-40-35-4000-TB)	254.80	57.69
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-14.91*	
		For >250 To 500, Deduct	*-25.48*	
		For >500, Deduct	*-36.05*	
26 51 19 00-0281	EA	40 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-40-40-4000-TB)	254.90	57.69
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-14.91*	
		For >250 To 500, Deduct	*-25.49*	
		For >500, Deduct	*-36.07*	
26 51 19 00-0282	EA	25 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-25-35-3200-TB)	211.97	57.69
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.20*	
		For >500, Deduct	*-29.63*	
26 51 19 00-0283	EA	25 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-25-40-3200-TB)	211.97	57.69
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.20*	
		For >500, Deduct	*-29.63*	
26 51 19 00-0284	EA	32 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-32-35-3200-TB)	187.60	57.69
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-18.76*	
		For >500, Deduct	*-25.97*	
26 51 19 00-0285	EA	32 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-32-40-3200-TB)	187.60	57.69
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-18.76*	
		For >500, Deduct	*-25.97*	
26 51 19 00-0286	EA	31 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X4SC-31-35-4000-TB)	297.73	57.69
		For >50 To 100, Deduct	*-9.61*	
		For >100 To 250, Deduct	*-17.05*	
		For >250 To 500, Deduct	*-29.77*	
		For >500, Deduct	*-42.49*	
26 51 19 00-0287	EA	31 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X4SC-31-40-4000-TB)	297.73	57.69
		For >50 To 100, Deduct	*-9.61*	
		For >100 To 250, Deduct	*-17.05*	
		For >250 To 500, Deduct	*-29.77*	
		For >500, Deduct	*-42.49*	
26 51 19 00-0288	EA	25 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-25-35-3200-TB)	270.21	57.69
		For >50 To 100, Deduct	*-8.92*	
		For >100 To 250, Deduct	*-15.68*	
		For >250 To 500, Deduct	*-27.02*	
		For >500, Deduct	*-38.37*	
26 51 19 00-0289	EA	25 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-25-40-3200-TB)	270.21	57.69
		For >50 To 100, Deduct	*-8.92*	
		For >100 To 250, Deduct	*-15.68*	
		For >250 To 500, Deduct	*-27.02*	
		For >500, Deduct	*-38.37*	
26 51 19 00-0290	EA	32 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-32-35-3200-TB)	245.73	57.69
		For >50 To 100, Deduct	*-8.31*	
		For >100 To 250, Deduct	*-14.45*	
		For >250 To 500, Deduct	*-24.57*	
		For >500, Deduct	*-34.69*	
26 51 19 00-0291	EA	32 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-32-40-3200-TB)	245.73	57.69
		For >50 To 100, Deduct	*-8.31*	
		For >100 To 250, Deduct	*-14.45*	
		For >250 To 500, Deduct	*-24.57*	
		For >500, Deduct	*-34.69*	
26 51 19 00-0292	EA	32 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-32-35-3200-TB) Note: No sensor, ZigBee ready driver	156.00	43.33
		For >50 To 100, Deduct	*-6.07*	
		For >100 To 250, Deduct	*-9.97*	
		For >250 To 500, Deduct	*-15.60*	
		For >500, Deduct	*-21.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0293	EA	32 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-32-40-3200-TB)	156.00	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.07*	
		For >100 To 250, Deduct	*-9.97*	
		For >250 To 500, Deduct	*-15.60*	
		For >500, Deduct	*-21.23*	
26 51 19 00-0294	EA	25 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-25-35-3200-TB)	170.28	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.42*	
		For >100 To 250, Deduct	*-10.68*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.38*	
26 51 19 00-0295	EA	25 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-25-40-3200-TB)	170.28	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.42*	
		For >100 To 250, Deduct	*-10.68*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.38*	
26 51 19 00-0296	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-40-35-4000-TB)	174.35	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-10.88*	
		For >250 To 500, Deduct	*-17.44*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0297	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-40-40-4000-TB)	174.35	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-10.88*	
		For >250 To 500, Deduct	*-17.44*	
		For >500, Deduct	*-23.99*	
26 51 19 00-0298	EA	31 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-31-35-4000-TB)	189.65	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.97*	
		For >500, Deduct	*-26.28*	
26 51 19 00-0299	EA	31 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-31-40-4000-TB)	189.65	43.33
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-18.97*	
		For >500, Deduct	*-26.28*	
26 51 19 00-0300	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 1' x 4' LED Troffer (LG LGE-1X4SI-40-35-4000-TB)	168.24	43.33
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-16.82*	
		For >500, Deduct	*-23.07*	
26 51 19 00-0301	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 1' x 4' LED Troffer (LG LGE-1X4SI-40-40-4000-TB)	168.24	43.33
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-16.82*	
		For >500, Deduct	*-23.07*	
26 51 19 00-0302	EA	32 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-32-35-3200-TB)	207.13	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.83*	
		For >250 To 500, Deduct	*-20.71*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0303	EA	32 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-32-40-3200-TB)	207.13	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 250, Deduct	*-12.83*	
		For >250 To 500, Deduct	*-20.71*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0304	EA	25 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-TB)	221.40	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 250, Deduct	*-13.55*	
		For >250 To 500, Deduct	*-22.14*	
		For >500, Deduct	*-30.73*	
26 51 19 00-0305	EA	25 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-TB)	221.40	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 250, Deduct	*-13.55*	
		For >250 To 500, Deduct	*-22.14*	
		For >500, Deduct	*-30.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0306	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-40-35-4000-TB)	226.50	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-13.80*	
		For >250 To 500, Deduct	*-22.65*	
		For >500, Deduct	*-31.50*	
26 51 19 00-0307	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-40-40-4000-TB)	226.50	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-13.80*	
		For >250 To 500, Deduct	*-22.65*	
		For >500, Deduct	*-31.50*	
26 51 19 00-0308	EA	31 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-31-35-4000-TB)	237.72	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.42*	
		For >100 To 250, Deduct	*-14.36*	
		For >250 To 500, Deduct	*-23.77*	
		For >500, Deduct	*-33.18*	
26 51 19 00-0309	EA	31 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-31-40-4000-TB)	237.72	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.42*	
		For >100 To 250, Deduct	*-14.36*	
		For >250 To 500, Deduct	*-23.77*	
		For >500, Deduct	*-33.18*	
26 51 19 00-0310	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 1' x 4' LED Troffer With Sensor Connect (LG LGE-1X4SC-40-35-4000-TB)	226.50	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-13.80*	
		For >250 To 500, Deduct	*-22.65*	
		For >500, Deduct	*-31.50*	
26 51 19 00-0311	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 1' x 4' LED Troffer With Sensor Connect (LG LGE-1X4SC-40-40-4000-TB)	226.50	49.52
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-13.80*	
		For >250 To 500, Deduct	*-22.65*	
		For >500, Deduct	*-31.50*	

26 51 19 00-0312 Surface Mount LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0313 Surface Mount, Volumetric LED Fixtures (Lithonia RTLX) *(26 51 19 00-0312)*

26 51 19 00-0314	EA	1' x 4', 2,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	212.80	57.69
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-21.28*	
		For >500, Deduct	*-29.75*	
26 51 19 00-0315	EA	1' x 4', 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	212.80	57.69
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-21.28*	
		For >500, Deduct	*-29.75*	
26 51 19 00-0316	EA	1' x 4', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	212.80	57.69
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-21.28*	
		For >500, Deduct	*-29.75*	
26 51 19 00-0317	EA	1' x 4', 4,800 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	212.80	57.69
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-21.28*	
		For >500, Deduct	*-29.75*	

26 51 19 00-0318 Surface Mount, Volumetric LED Fixtures (Lithonia 2RTX) *(26 51 19 00-0312)*

26 51 19 00-0319	EA	2' x 2', 2,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	255.01	57.69
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-25.50*	
		For >500, Deduct	*-36.09*	
26 51 19 00-0320	EA	2' x 2', 3,300 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	255.01	57.69
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-25.50*	
		For >500, Deduct	*-36.09*	
26 51 19 00-0321	EA	2' x 2', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	255.01	57.69
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-25.50*	
		For >500, Deduct	*-36.09*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0322		EA	2' x 4', 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	303.75	57.69
			For >50 To 100, Deduct	*-9.76*	
			For >100 To 250, Deduct	*-17.35*	
			For >250 To 500, Deduct	*-30.38*	
			For >500, Deduct	*-43.40*	
26 51 19 00-0323		EA	2' x 4', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	303.75	57.69
			For >50 To 100, Deduct	*-9.76*	
			For >100 To 250, Deduct	*-17.35*	
			For >250 To 500, Deduct	*-30.38*	
			For >500, Deduct	*-43.40*	
26 51 19 00-0324		EA	2' x 4', 4,800 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	303.75	57.69
			For >50 To 100, Deduct	*-9.76*	
			For >100 To 250, Deduct	*-17.35*	
			For >250 To 500, Deduct	*-30.38*	
			For >500, Deduct	*-43.40*	
26 51 19 00-0325		EA	2' x 4', 6,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	303.75	57.69
			For >50 To 100, Deduct	*-9.76*	
			For >100 To 250, Deduct	*-17.35*	
			For >250 To 500, Deduct	*-30.38*	
			For >500, Deduct	*-43.40*	
26 51 19 00-0326			**Surface Mount, Volumetric LED Fixtures (Lithonia STL)** *(26 51 19 00-0312)*		
26 51 19 00-0327		EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	376.74	37.14
			For >50 To 100, Deduct	*-10.81*	
			For >100 To 250, Deduct	*-20.23*	
			For >250 To 500, Deduct	*-37.67*	
			For >500, Deduct	*-55.12*	
26 51 19 00-0328		EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	317.77	45.31
			For >50 To 100, Deduct	*-9.65*	
			For >100 To 250, Deduct	*-17.59*	
			For >250 To 500, Deduct	*-31.78*	
			For >500, Deduct	*-45.96*	
26 51 19 00-0329		EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	381.37	45.31
			For >50 To 100, Deduct	*-11.24*	
			For >100 To 250, Deduct	*-20.77*	
			For >250 To 500, Deduct	*-38.14*	
			For >500, Deduct	*-55.50*	
26 51 19 00-0330			**Surface Mount, Wraparound LED Fixtures (Lithonia LBL)** *(26 51 19 00-0312)*		
26 51 19 00-0331		EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	290.96	37.14
			For >50 To 100, Deduct	*-8.67*	
			For >100 To 250, Deduct	*-15.94*	
			For >250 To 500, Deduct	*-29.10*	
			For >500, Deduct	*-42.25*	
26 51 19 00-0332		EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	382.18	45.31
			For >50 To 100, Deduct	*-11.26*	
			For >100 To 250, Deduct	*-20.81*	
			For >250 To 500, Deduct	*-38.22*	
			For >500, Deduct	*-55.62*	
26 51 19 00-0333			**Wall Bracket And Surface Mount LED Fixtures (Lithonia WL Series)** *(26 51 19 00-0312)*		
26 51 19 00-0334		EA	2' Length, 800 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	337.36	44.71
			For >50 To 100, Deduct	*-10.13*	
			For >100 To 250, Deduct	*-18.56*	
			For >250 To 500, Deduct	*-33.74*	
			For >500, Deduct	*-48.91*	
26 51 19 00-0335		EA	2' Length, 1,200 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	391.81	44.71
			For >50 To 100, Deduct	*-11.49*	
			For >100 To 250, Deduct	*-21.28*	
			For >250 To 500, Deduct	*-39.18*	
			For >500, Deduct	*-57.08*	
26 51 19 00-0336		EA	2' Length, 1,800 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	446.27	44.71
			For >50 To 100, Deduct	*-12.85*	
			For >100 To 250, Deduct	*-24.01*	
			For >250 To 500, Deduct	*-44.63*	
			For >500, Deduct	*-65.25*	
26 51 19 00-0337		EA	2' Length, 2,200 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	476.04	44.71
			For >50 To 100, Deduct	*-13.59*	
			For >100 To 250, Deduct	*-25.50*	
			For >250 To 500, Deduct	*-47.60*	
			For >500, Deduct	*-69.71*	
26 51 19 00-0338		EA	4' Length, 2,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	493.19	54.19
			For >50 To 100, Deduct	*-14.36*	
			For >100 To 250, Deduct	*-26.69*	
			For >250 To 500, Deduct	*-49.32*	
			For >500, Deduct	*-71.95*	
26 51 19 00-0339		EA	4' Length, 3,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	514.27	54.19
			For >50 To 100, Deduct	*-14.89*	
			For >100 To 250, Deduct	*-27.75*	
			For >250 To 500, Deduct	*-51.43*	
			For >500, Deduct	*-75.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0340	EA	4' Length, 4,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	574.87	54.19
		For >50 To 100, Deduct	*-16.40*	
		For >100 To 250, Deduct	*-30.78*	
		For >250 To 500, Deduct	*-57.49*	
		For >500, Deduct	*-84.20*	

26 51 19 00-0341 Surface Mount, Wall Bracket Fixtures (Lithonia WL2) *(26 51 19 00-0312)*

26 51 19 00-0342	EA	2', 771 Lumens, 7.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP830)	354.08	40.64
		For >50 To 100, Deduct	*-10.38*	
		For >100 To 250, Deduct	*-19.23*	
		For >250 To 500, Deduct	*-35.41*	
		For >500, Deduct	*-51.59*	
26 51 19 00-0343	EA	2', 809 Lumens, 7.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP835)	348.83	37.14
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-34.88*	
		For >500, Deduct	*-50.93*	
26 51 19 00-0344	EA	2', 848 Lumens, 7.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP840)	348.83	37.14
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-34.88*	
		For >500, Deduct	*-50.93*	
26 51 19 00-0345	EA	2', 877 Lumens, 7.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP850)	348.83	37.14
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-34.88*	
		For >500, Deduct	*-50.93*	
26 51 19 00-0346	EA	2', 1,190 Lumens, 12.2 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP830)	405.26	37.14
		For >50 To 100, Deduct	*-11.52*	
		For >100 To 250, Deduct	*-21.66*	
		For >250 To 500, Deduct	*-40.53*	
		For >500, Deduct	*-59.40*	
26 51 19 00-0347	EA	2', 1,249 Lumens, 12.2 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP835)	405.26	37.14
		For >50 To 100, Deduct	*-11.52*	
		For >100 To 250, Deduct	*-21.66*	
		For >250 To 500, Deduct	*-40.53*	
		For >500, Deduct	*-59.40*	
26 51 19 00-0348	EA	2', 1,311 Lumens, 12.2 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP840)	405.26	37.14
		For >50 To 100, Deduct	*-11.52*	
		For >100 To 250, Deduct	*-21.66*	
		For >250 To 500, Deduct	*-40.53*	
		For >500, Deduct	*-59.40*	
26 51 19 00-0349	EA	2', 1,364 Lumens, 12.2 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP850)	405.26	37.14
		For >50 To 100, Deduct	*-11.52*	
		For >100 To 250, Deduct	*-21.66*	
		For >250 To 500, Deduct	*-40.53*	
		For >500, Deduct	*-59.40*	
26 51 19 00-0350	EA	2', 1,711 Lumens, 17.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP830)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0351	EA	2', 1,796 Lumens, 17.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP835)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0352	EA	2', 1,889 Lumens, 17.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP840)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0353	EA	2', 1,966 Lumens, 17.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP850)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0354	EA	2', 2,086 Lumens, 21 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP830)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0355	EA	2', 2,120.5 Lumens, 21 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP835)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0356	EA	2', 2,189.4 Lumens, 21 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP840)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	
26 51 19 00-0357	EA	2', 2,258.4 Lumens, 21 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP850)	433.41	37.14
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-43.34*	
		For >500, Deduct	*-63.62*	

26 51 19 00-0358 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0312)*

26 51 19 00-0359 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0358)*

26 51 19 00-0360	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	859.49	49.52
		For >50 To 100, Deduct	*-23.34*	
		For >100 To 250, Deduct	*-44.83*	
		For >250 To 500, Deduct	*-85.95*	
		For >500, Deduct	*-127.07*	
26 51 19 00-0361	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,103.40	57.69
		For >50 To 100, Deduct	*-29.75*	
		For >100 To 250, Deduct	*-57.34*	
		For >250 To 500, Deduct	*-110.34*	
		For >500, Deduct	*-163.34*	

26 51 19 00-0362 Surface Mount, Low Profile Fixtures *(26 51 19 00-0312)*

26 51 19 00-0363	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	116.15	33.94
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 250, Deduct	*-7.50*	
		For >250 To 500, Deduct	*-11.62*	
		For >500, Deduct	*-15.73*	
26 51 19 00-0364	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	95.20	33.94
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 500, Deduct	*-9.52*	
		For >500, Deduct	*-12.58*	
26 51 19 00-0365	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	160.14	33.94
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.70*	
		For >250 To 500, Deduct	*-16.01*	
		For >500, Deduct	*-22.32*	
26 51 19 00-0366	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	193.66	33.94
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-11.38*	
		For >250 To 500, Deduct	*-19.37*	
		For >500, Deduct	*-27.35*	

26 51 19 00-0367 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0368 Recessed LED Downlights *(26 51 19 00-0367)*

26 51 19 00-0369 Recessed LED Downlights (Lithonia) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0370	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	429.62	59.61
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*90.02*	
		For >50 To 100, Deduct	*-12.98*	
		For >100 To 250, Deduct	*-23.72*	
		For >250 To 500, Deduct	*-42.96*	
		For >500, Deduct	*-62.21*	
26 51 19 00-0371	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	466.49	59.61
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*90.02*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 250, Deduct	*-25.56*	
		For >250 To 500, Deduct	*-46.65*	
		For >500, Deduct	*-67.74*	

26 51 19 00-0372 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0373	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	272.83	59.61
		For >50 To 100, Deduct	*-9.06*	
		For >100 To 250, Deduct	*-15.88*	
		For >250 To 500, Deduct	*-27.28*	
		For >500, Deduct	*-38.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0374		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0368)* Note: Includes housing and trim.		
26 51 19 00-0375	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	321.40	59.61
		For >50 To 100, Deduct	*-10.27*	
		For >100 To 250, Deduct	*-18.31*	
		For >250 To 500, Deduct	*-32.14*	
		For >500, Deduct	*-45.97*	
26 51 19 00-0376	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	331.29	59.61
		For >50 To 100, Deduct	*-10.52*	
		For >100 To 250, Deduct	*-18.80*	
		For >250 To 500, Deduct	*-33.13*	
		For >500, Deduct	*-47.46*	
26 51 19 00-0377	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	371.87	59.61
		For >50 To 100, Deduct	*-11.53*	
		For >100 To 250, Deduct	*-20.83*	
		For >250 To 500, Deduct	*-37.19*	
		For >500, Deduct	*-53.55*	
26 51 19 00-0378	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	375.84	59.61
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 250, Deduct	*-21.03*	
		For >250 To 500, Deduct	*-37.58*	
		For >500, Deduct	*-54.14*	
26 51 19 00-0379	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	410.47	59.61
		For >50 To 100, Deduct	*-12.50*	
		For >100 To 250, Deduct	*-22.76*	
		For >250 To 500, Deduct	*-41.05*	
		For >500, Deduct	*-59.34*	
26 51 19 00-0380		**Recessed LED Downlights (Lightolier)** *(26 51 19 00-0368)* Note: Includes housing and trim.		
26 51 19 00-0381	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	643.77	59.61
		For >50 To 100, Deduct	*-18.33*	
		For >100 To 250, Deduct	*-34.42*	
		For >250 To 500, Deduct	*-64.38*	
		For >500, Deduct	*-94.33*	
26 51 19 00-0382	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	754.93	59.61
		For >50 To 100, Deduct	*-21.11*	
		For >100 To 250, Deduct	*-39.98*	
		For >250 To 500, Deduct	*-75.49*	
		For >500, Deduct	*-111.00*	
26 51 19 00-0383	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	810.38	59.61
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 250, Deduct	*-42.75*	
		For >250 To 500, Deduct	*-81.04*	
		For >500, Deduct	*-119.32*	
26 51 19 00-0384	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	810.38	59.61
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 250, Deduct	*-42.75*	
		For >250 To 500, Deduct	*-81.04*	
		For >500, Deduct	*-119.32*	
26 51 19 00-0385	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	838.23	59.61
		For >50 To 100, Deduct	*-23.19*	
		For >100 To 250, Deduct	*-44.15*	
		For >250 To 500, Deduct	*-83.82*	
		For >500, Deduct	*-123.50*	
26 51 19 00-0386	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	866.10	59.61
		For >50 To 100, Deduct	*-23.89*	
		For >100 To 250, Deduct	*-45.54*	
		For >250 To 500, Deduct	*-86.61*	
		For >500, Deduct	*-127.68*	
26 51 19 00-0387		**Recessed LED Downlights (Cree®)** *(26 51 19 00-0368)* Note: Includes housing and trim.		
26 51 19 00-0388	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, White (Cree® SC6-277V)	170.71	59.61
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-10.77*	
		For >250 To 500, Deduct	*-17.07*	
		For >500, Deduct	*-23.37*	
26 51 19 00-0389	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, White (Cree® SC6-GU24)	161.48	59.61
		For >50 To 100, Deduct	*-6.27*	
		For >100 To 250, Deduct	*-10.31*	
		For >250 To 500, Deduct	*-16.15*	
		For >500, Deduct	*-21.99*	
26 51 19 00-0390	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, Black (Cree® SC6-BL-GU24)	168.88	59.61
		For >50 To 100, Deduct	*-6.46*	
		For >100 To 250, Deduct	*-10.68*	
		For >250 To 500, Deduct	*-16.89*	
		For >500, Deduct	*-23.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0391	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, Black (Cree® SC6-BL-277V)	178.11	59.61
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 250, Deduct	*-11.14*	
		For >250 To 500, Deduct	*-17.81*	
		For >500, Deduct	*-24.48*	
26 51 19 00-0392	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, White (Cree® SC6-CM-GU24)	179.96	59.61
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-11.23*	
		For >250 To 500, Deduct	*-18.00*	
		For >500, Deduct	*-24.76*	
26 51 19 00-0393	EA	6" Diameter, IC Rated, Cord Mount LED Downlight Fixture Housing, White (Cree® SC6-CM-277V)	189.20	59.61
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 250, Deduct	*-11.70*	
		For >250 To 500, Deduct	*-18.92*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0394	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, Black (Cree® SC6-CM-BL-GU24)	187.35	59.61
		For >50 To 100, Deduct	*-6.92*	
		For >100 To 250, Deduct	*-11.60*	
		For >250 To 500, Deduct	*-18.74*	
		For >500, Deduct	*-25.87*	
26 51 19 00-0395	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, Black (Cree® SC6-CM-BL-277V)	196.60	59.61
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.66*	
		For >500, Deduct	*-27.25*	
26 51 19 00-0396	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, White (Cree® SC6-WM-GU24)	189.20	59.61
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 250, Deduct	*-11.70*	
		For >250 To 500, Deduct	*-18.92*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0397	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, White (Cree® SC6-WM-277V)	198.43	59.61
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-19.84*	
		For >500, Deduct	*-27.53*	
26 51 19 00-0398	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, Black (Cree® SC6-WM-BL-GU24)	196.60	59.61
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.07*	
		For >250 To 500, Deduct	*-19.66*	
		For >500, Deduct	*-27.25*	

26 51 19 00-0399 Recessed LED Downlights (Cooper) *(26 51 19 00-0368)*

26 51 19 00-0400	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	172.45	59.61
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-17.25*	
		For >500, Deduct	*-23.63*	
26 51 19 00-0401	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	172.45	59.61
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-17.25*	
		For >500, Deduct	*-23.63*	
26 51 19 00-0402	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	172.45	59.61
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-17.25*	
		For >500, Deduct	*-23.63*	
26 51 19 00-0403	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	172.45	59.61
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-17.25*	
		For >500, Deduct	*-23.63*	
26 51 19 00-0404	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	175.54	59.61
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.01*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.10*	
26 51 19 00-0405	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	175.54	59.61
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.01*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.10*	
26 51 19 00-0406	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	175.54	59.61
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.01*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.10*	
26 51 19 00-0407	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	175.54	59.61
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.01*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0408	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	217.46	59.61
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 250, Deduct	*-13.11*	
		For >250 To 500, Deduct	*-21.75*	
		For >500, Deduct	*-30.38*	
26 51 19 00-0409	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	215.33	59.61
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-13.00*	
		For >250 To 500, Deduct	*-21.53*	
		For >500, Deduct	*-30.06*	
26 51 19 00-0410	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	215.33	59.61
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-13.00*	
		For >250 To 500, Deduct	*-21.53*	
		For >500, Deduct	*-30.06*	
26 51 19 00-0411	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	215.33	59.61
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 250, Deduct	*-13.00*	
		For >250 To 500, Deduct	*-21.53*	
		For >500, Deduct	*-30.06*	
26 51 19 00-0412	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	103.05	18.97
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.86*	
		For >250 To 500, Deduct	*-10.31*	
		For >500, Deduct	*-14.75*	
26 51 19 00-0413	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	64.68	18.97
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.47*	
		For >500, Deduct	*-8.99*	
26 51 19 00-0414	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	81.19	18.97
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-4.77*	
		For >250 To 500, Deduct	*-8.12*	
		For >500, Deduct	*-11.47*	
26 51 19 00-0415	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	68.00	18.97
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.49*	
26 51 19 00-0416	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	54.51	18.97
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-3.44*	
		For >250 To 500, Deduct	*-5.45*	
		For >500, Deduct	*-7.47*	
26 51 19 00-0417	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	67.41	18.97
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.40*	
26 51 19 00-0418	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	75.26	18.97
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-7.53*	
		For >500, Deduct	*-10.58*	
26 51 19 00-0419	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	82.26	18.97
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.63*	
26 51 19 00-0420	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	95.94	18.97
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.59*	
		For >500, Deduct	*-13.68*	
26 51 19 00-0421	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	96.38	18.97
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 250, Deduct	*-5.53*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.75*	
26 51 19 00-0422	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	94.41	18.97
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-5.43*	
		For >250 To 500, Deduct	*-9.44*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0423	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	116.84	18.97
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-6.55*	
		For >250 To 500, Deduct	*-11.68*	
		For >500, Deduct	*-16.81*	
26 51 19 00-0424	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	54.99	18.97
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.50*	
		For >500, Deduct	*-7.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0425	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	99.77	18.97
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-14.25*	
26 51 19 00-0426	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	84.67	18.97
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-4.94*	
		For >250 To 500, Deduct	*-8.47*	
		For >500, Deduct	*-11.99*	
26 51 19 00-0427	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	79.37	18.97
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.68*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-11.19*	
26 51 19 00-0428	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	70.64	18.97
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.24*	
		For >250 To 500, Deduct	*-7.06*	
		For >500, Deduct	*-9.88*	
26 51 19 00-0429	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	71.27	18.97
		For >50 To 100, Deduct	*-2.49*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-9.98*	
26 51 19 00-0430	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	76.87	18.97
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.82*	
26 51 19 00-0431	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	70.29	18.97
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.03*	
		For >500, Deduct	*-9.83*	
26 51 19 00-0432	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	88.17	18.97
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-8.82*	
		For >500, Deduct	*-12.51*	
26 51 19 00-0433	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	95.70	18.97
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-9.57*	
		For >500, Deduct	*-13.64*	
26 51 19 00-0434	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	120.77	18.97
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-6.75*	
		For >250 To 500, Deduct	*-12.08*	
		For >500, Deduct	*-17.40*	
26 51 19 00-0435	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	117.63	18.97
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-11.76*	
		For >500, Deduct	*-16.93*	
26 51 19 00-0436	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	119.01	18.97
		For >50 To 100, Deduct	*-3.69*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.90*	
		For >500, Deduct	*-17.14*	
26 51 19 00-0437	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	72.02	18.97
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.09*	
26 51 19 00-0438	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	67.70	40.64
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-4.91*	
		For >250 To 500, Deduct	*-6.77*	
		For >500, Deduct	*-8.63*	
26 51 19 00-0439	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	73.84	40.64
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-9.55*	
26 51 19 00-0440	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	71.38	40.64
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-9.18*	
26 51 19 00-0441	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	95.57	40.64
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-6.30*	
		For >250 To 500, Deduct	*-9.56*	
		For >500, Deduct	*-12.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0442	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	92.73	40.64
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.27*	
		For >500, Deduct	*-12.39*	
26 51 19 00-0443	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	74.67	40.64
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-7.47*	
		For >500, Deduct	*-9.68*	
26 51 19 00-0444	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	78.81	40.64
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-7.88*	
		For >500, Deduct	*-10.30*	
26 51 19 00-0445	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	73.81	40.64
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-9.55*	
26 51 19 00-0446	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	78.34	40.64
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-7.83*	
		For >500, Deduct	*-10.23*	
26 51 19 00-0447	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	74.56	40.64
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-9.66*	
26 51 19 00-0448	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	74.14	40.64
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-5.23*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-9.60*	
26 51 19 00-0449	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	77.41	40.64
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-7.74*	
		For >500, Deduct	*-10.09*	
26 51 19 00-0450	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	79.18	40.64
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-7.92*	
		For >500, Deduct	*-10.35*	
26 51 19 00-0451	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	79.74	40.64
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-7.97*	
		For >500, Deduct	*-10.44*	
26 51 19 00-0452	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	107.14	40.64
		For >50 To 100, Deduct	*-4.20*	
		For >100 To 250, Deduct	*-6.88*	
		For >250 To 500, Deduct	*-10.71*	
		For >500, Deduct	*-14.55*	
26 51 19 00-0453	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	100.26	40.64
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-6.54*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-13.52*	
26 51 19 00-0454	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	101.06	40.64
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-6.58*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-13.64*	
26 51 19 00-0455	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	105.66	40.64
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-14.33*	
26 51 19 00-0456	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	105.66	40.64
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-14.33*	
26 51 19 00-0457	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	105.66	40.64
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-14.33*	
26 51 19 00-0458	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	105.66	40.64
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-14.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0459	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	105.66	40.64
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-14.33*	
26 51 19 00-0460	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	93.63	40.64
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0461	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	93.63	40.64
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0462	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	93.63	40.64
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0463	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	93.63	40.64
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0464	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	93.63	40.64
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0465	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	94.51	40.64
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-9.45*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0466	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	108.02	40.64
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-6.93*	
		For >250 To 500, Deduct	*-10.80*	
		For >500, Deduct	*-14.68*	
26 51 19 00-0467	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	94.51	40.64
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-9.45*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0468	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	104.20	40.64
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 250, Deduct	*-6.73*	
		For >250 To 500, Deduct	*-10.42*	
		For >500, Deduct	*-14.11*	
26 51 19 00-0469	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	89.03	40.64
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-5.98*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-11.83*	
26 51 19 00-0470	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	90.37	40.64
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.04*	
		For >500, Deduct	*-12.03*	
26 51 19 00-0471	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	99.81	40.64
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0472	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	99.81	40.64
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0473	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	99.81	40.64
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0474	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	99.81	40.64
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0475	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	99.81	40.64
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0476	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	81.99	18.97
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.59*	
26 51 19 00-0477	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	84.73	18.97
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-8.47*	
		For >500, Deduct	*-12.00*	
26 51 19 00-0478	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	83.06	40.64
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-10.94*	
26 51 19 00-0479	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	83.39	40.64
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-5.69*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-10.98*	
26 51 19 00-0480	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	77.69	40.64
		For >50 To 100, Deduct	*-3.47*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-10.13*	
26 51 19 00-0481	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	80.49	40.64
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-5.55*	
		For >250 To 500, Deduct	*-8.05*	
		For >500, Deduct	*-10.55*	
26 51 19 00-0482	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	79.58	40.64
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.41*	
26 51 19 00-0483	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	80.43	40.64
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-5.55*	
		For >250 To 500, Deduct	*-8.04*	
		For >500, Deduct	*-10.54*	
26 51 19 00-0484	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	92.44	40.64
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-6.15*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-12.34*	
26 51 19 00-0485	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	93.08	40.64
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-6.18*	
		For >250 To 500, Deduct	*-9.31*	
		For >500, Deduct	*-12.44*	
26 51 19 00-0486	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	96.31	40.64
		For >50 To 100, Deduct	*-3.93*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.63*	
		For >500, Deduct	*-12.92*	
26 51 19 00-0487	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	98.57	40.64
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-6.45*	
		For >250 To 500, Deduct	*-9.86*	
		For >500, Deduct	*-13.26*	
26 51 19 00-0488	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	108.51	40.64
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-6.95*	
		For >250 To 500, Deduct	*-10.85*	
		For >500, Deduct	*-14.75*	

26 51 19 00-0489 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0368)*

26 51 19 00-0490	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	190.43	59.61
		For >50 To 100, Deduct	*-7.00*	
		For >100 To 250, Deduct	*-11.76*	
		For >250 To 500, Deduct	*-19.04*	
		For >500, Deduct	*-26.33*	
26 51 19 00-0491	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	193.01	59.61
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-19.30*	
		For >500, Deduct	*-26.72*	
26 51 19 00-0492	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	200.79	59.61
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 250, Deduct	*-12.28*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0493	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	185.23	59.61
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.52*	
		For >500, Deduct	*-25.55*	
26 51 19 00-0494	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	185.23	59.61
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.52*	
		For >500, Deduct	*-25.55*	
26 51 19 00-0495	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	185.23	59.61
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.52*	
		For >500, Deduct	*-25.55*	
26 51 19 00-0496	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	200.79	59.61
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 250, Deduct	*-12.28*	
		For >250 To 500, Deduct	*-20.08*	
		For >500, Deduct	*-27.88*	
26 51 19 00-0497	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	203.38	59.61
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-28.27*	
26 51 19 00-0498	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	208.55	59.61
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-12.66*	
		For >250 To 500, Deduct	*-20.86*	
		For >500, Deduct	*-29.05*	
26 51 19 00-0499	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	224.08	59.61
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 250, Deduct	*-13.44*	
		For >250 To 500, Deduct	*-22.41*	
		For >500, Deduct	*-31.38*	
26 51 19 00-0500	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	244.81	59.61
		For >50 To 100, Deduct	*-8.36*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-24.48*	
		For >500, Deduct	*-34.49*	

26 51 19 00-0501 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0367)*

26 51 19 00-0502 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0501)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0503	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	102.24	
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-10.22*	
		For >500, Deduct	*-14.49*	
26 51 19 00-0504	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	91.15	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-5.40*	
		For >250 To 500, Deduct	*-9.12*	
		For >500, Deduct	*-12.83*	
26 51 19 00-0505	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	113.33	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 250, Deduct	*-6.51*	
		For >250 To 500, Deduct	*-11.33*	
		For >500, Deduct	*-16.15*	
26 51 19 00-0506	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	126.25	
		For >50 To 100, Deduct	*-4.00*	
		For >100 To 250, Deduct	*-7.16*	
		For >250 To 500, Deduct	*-12.63*	
		For >500, Deduct	*-18.09*	
26 51 19 00-0507	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	137.34	
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.73*	
		For >500, Deduct	*-19.75*	

26 51 19 00-0508 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0501)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0509	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	38.79	9.49
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.31*	
26 51 19 00-0510	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	46.19	9.49
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.62*	
		For >500, Deduct	*-6.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0511	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	40.64	9.49
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.59*	
26 51 19 00-0512	EA	6" Diameter, Deep Recess, Recessed LED Downlight Retrofit (Cree® LR6-18L-XXX-120V-A-DR)	175.53	9.49
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 250, Deduct	*-9.28*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-25.82*	
26 51 19 00-0513		**Recessed LED Downlight Fixture Housings (CREE®)** *(26 51 19 00-0501)*		
		Note: Excludes lamp and trim.		
26 51 19 00-0514	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	105.31	40.64
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 250, Deduct	*-6.79*	
		For >250 To 500, Deduct	*-10.53*	
		For >500, Deduct	*-14.27*	
26 51 19 00-0515	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	79.43	40.64
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-10.39*	
26 51 19 00-0516		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0367)*		
26 51 19 00-0517	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	111.14	37.14
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-6.95*	
		For >250 To 500, Deduct	*-11.11*	
		For >500, Deduct	*-15.28*	
26 51 19 00-0518	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	89.60	37.14
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.05*	
26 51 19 00-0519	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	89.60	37.14
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.05*	
26 51 19 00-0520	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	148.17	37.14
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*54.27*	
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 250, Deduct	*-8.80*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-20.83*	
26 51 19 00-0521	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	75.17	37.14
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-9.88*	
26 51 19 00-0522	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	82.98	37.14
		For >50 To 100, Deduct	*-3.47*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-8.30*	
		For >500, Deduct	*-11.05*	
26 51 19 00-0523	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	972.31	37.14
		For >50 To 100, Deduct	*-25.70*	
		For >100 To 250, Deduct	*-50.01*	
		For >250 To 500, Deduct	*-97.23*	
		For >500, Deduct	*-144.45*	
26 51 19 00-0524		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0525	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	419.60	57.69
		For >50 To 100, Deduct	*-12.66*	
		For >100 To 250, Deduct	*-23.15*	
		For >250 To 500, Deduct	*-41.96*	
		For >500, Deduct	*-60.77*	
26 51 19 00-0526		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0527		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0526)*		
26 51 19 00-0528	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	560.09	54.19
		For >50 To 100, Deduct	*-16.03*	
		For >100 To 250, Deduct	*-30.04*	
		For >250 To 500, Deduct	*-56.01*	
		For >500, Deduct	*-81.98*	
26 51 19 00-0529		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0526)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	313.13	54.19
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 250, Deduct	*-17.69*	
		For >250 To 500, Deduct	*-31.31*	
		For >500, Deduct	*-44.94*	
26 51 19 00-0531		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0526)*		
26 51 19 00-0532	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	155.26	54.19
		For >50 To 100, Deduct	*-5.91*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.53*	
		For >500, Deduct	*-21.26*	
26 51 19 00-0533	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	137.05	54.19
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-8.88*	
		For >250 To 500, Deduct	*-13.71*	
		For >500, Deduct	*-18.53*	
26 51 19 00-0534		**Concealed Continuous LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0535		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 19 00-0534)*		
26 51 19 00-0536	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	759.04	6.19
		For >50 To 100, Deduct	*-19.29*	
		For >100 To 250, Deduct	*-38.26*	
		For >250 To 500, Deduct	*-75.90*	
		For >500, Deduct	*-113.55*	
26 51 19 00-0537	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	865.36	6.19
		For >50 To 100, Deduct	*-21.94*	
		For >100 To 250, Deduct	*-43.58*	
		For >250 To 500, Deduct	*-86.54*	
		For >500, Deduct	*-129.49*	
26 51 19 00-0538		**Low Bay LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0539		**LED Linear Low Bay Fixtures (PlanLED)** *(26 51 19 00-0538)*		
26 51 19 00-0540	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	392.92	74.28
		For >50 To 100, Deduct	*-12.92*	
		For >100 To 250, Deduct	*-22.74*	
		For >250 To 500, Deduct	*-39.29*	
		For >500, Deduct	*-55.84*	
26 51 19 00-0541	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	531.97	74.28
		For >50 To 100, Deduct	*-16.39*	
		For >100 To 250, Deduct	*-29.69*	
		For >250 To 500, Deduct	*-53.20*	
		For >500, Deduct	*-76.70*	
26 51 19 00-0542	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	883.63	92.85
		For >50 To 100, Deduct	*-25.96*	
		For >100 To 250, Deduct	*-48.05*	
		For >250 To 500, Deduct	*-88.36*	
		For >500, Deduct	*-128.68*	
26 51 19 00-0543		**LED Low Bay Fixtures (CREE®)** *(26 51 19 00-0538)*		
26 51 19 00-0544		**LED Low Bay Fixtures (CREE® LS)** *(26 51 19 00-0543)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0545	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	307.56	74.28
		For >50 To 100, Deduct	*-10.78*	
		For >100 To 250, Deduct	*-18.47*	
		For >250 To 500, Deduct	*-30.76*	
		For >500, Deduct	*-43.04*	
26 51 19 00-0546	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	326.41	74.28
		For >50 To 100, Deduct	*-11.26*	
		For >100 To 250, Deduct	*-19.42*	
		For >250 To 500, Deduct	*-32.64*	
		For >500, Deduct	*-45.87*	
26 51 19 00-0547	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	315.41	74.28
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-18.87*	
		For >250 To 500, Deduct	*-31.54*	
		For >500, Deduct	*-44.22*	
26 51 19 00-0548	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	334.26	74.28
		For >50 To 100, Deduct	*-11.45*	
		For >100 To 250, Deduct	*-19.81*	
		For >250 To 500, Deduct	*-33.43*	
		For >500, Deduct	*-47.04*	
26 51 19 00-0549	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	348.39	74.28
		For >50 To 100, Deduct	*-11.80*	
		For >100 To 250, Deduct	*-20.51*	
		For >250 To 500, Deduct	*-34.84*	
		For >500, Deduct	*-49.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0550	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	367.24	74.28
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-21.46*	
		For >250 To 500, Deduct	*-36.72*	
		For >500, Deduct	*-51.99*	
26 51 19 00-0551	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	484.57	92.85
		For >50 To 100, Deduct	*-15.98*	
		For >100 To 250, Deduct	*-28.10*	
		For >250 To 500, Deduct	*-48.46*	
		For >500, Deduct	*-68.82*	
26 51 19 00-0552	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	519.13	92.85
		For >50 To 100, Deduct	*-16.85*	
		For >100 To 250, Deduct	*-29.83*	
		For >250 To 500, Deduct	*-51.91*	
		For >500, Deduct	*-74.00*	
26 51 19 00-0553	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	591.37	92.85
		For >50 To 100, Deduct	*-18.65*	
		For >100 To 250, Deduct	*-33.44*	
		For >250 To 500, Deduct	*-59.14*	
		For >500, Deduct	*-84.84*	
26 51 19 00-0554	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	610.22	92.85
		For >50 To 100, Deduct	*-19.12*	
		For >100 To 250, Deduct	*-34.38*	
		For >250 To 500, Deduct	*-61.02*	
		For >500, Deduct	*-87.66*	

26 51 19 00-0555 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0543)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0556	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	656.23	74.28
		For >50 To 100, Deduct	*-19.50*	
		For >100 To 250, Deduct	*-35.91*	
		For >250 To 500, Deduct	*-65.62*	
		For >500, Deduct	*-95.34*	
26 51 19 00-0557	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	734.76	74.28
		For >50 To 100, Deduct	*-21.46*	
		For >100 To 250, Deduct	*-39.83*	
		For >250 To 500, Deduct	*-73.48*	
		For >500, Deduct	*-107.12*	

26 51 19 00-0558 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0543)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0559	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	641.41	74.28
		For >50 To 100, Deduct	*-19.13*	
		For >100 To 250, Deduct	*-35.17*	
		For >250 To 500, Deduct	*-64.14*	
		For >500, Deduct	*-93.12*	
26 51 19 00-0560	EA	2,200 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	489.65	74.28
		For >50 To 100, Deduct	*-15.34*	
		For >100 To 250, Deduct	*-27.58*	
		For >250 To 500, Deduct	*-48.97*	
		For >500, Deduct	*-70.35*	
26 51 19 00-0561	EA	3,800 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	576.51	74.28
		For >50 To 100, Deduct	*-17.51*	
		For >100 To 250, Deduct	*-31.92*	
		For >250 To 500, Deduct	*-57.65*	
		For >500, Deduct	*-83.38*	
26 51 19 00-0562	EA	4,400 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	699.84	92.85
		For >50 To 100, Deduct	*-21.36*	
		For >100 To 250, Deduct	*-38.86*	
		For >250 To 500, Deduct	*-69.98*	
		For >500, Deduct	*-101.11*	
26 51 19 00-0563	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	796.16	92.85
		For >50 To 100, Deduct	*-23.77*	
		For >100 To 250, Deduct	*-43.68*	
		For >250 To 500, Deduct	*-79.62*	
		For >500, Deduct	*-115.56*	
26 51 19 00-0564	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,001.26	92.85
		For >50 To 100, Deduct	*-28.90*	
		For >100 To 250, Deduct	*-53.93*	
		For >250 To 500, Deduct	*-100.13*	
		For >500, Deduct	*-146.32*	
26 51 19 00-0565	EA	4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-40LHE™)	602.83	74.28
		For >50 To 100, Deduct	*-18.17*	
		For >100 To 250, Deduct	*-33.24*	
		For >250 To 500, Deduct	*-60.28*	
		For >500, Deduct	*-87.33*	
26 51 19 00-0566	EA	3,800 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-38L™)	650.40	74.28
		For >50 To 100, Deduct	*-19.36*	
		For >100 To 250, Deduct	*-35.62*	
		For >250 To 500, Deduct	*-65.04*	
		For >500, Deduct	*-94.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0567	EA	8,000 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-80LHE™)	952.61	92.85
		For >50 To 100, Deduct	*-27.68*	
		For >100 To 250, Deduct	*-51.50*	
		For >250 To 500, Deduct	*-95.26*	
		For >500, Deduct	*-139.02*	
26 51 19 00-0568	EA	7,500 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-75L™)	754.72	92.85
		For >50 To 100, Deduct	*-22.74*	
		For >100 To 250, Deduct	*-41.60*	
		For >250 To 500, Deduct	*-75.47*	
		For >500, Deduct	*-109.34*	

26 51 19 00-0569 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0543)*

26 51 19 00-0570	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	61.66	20.36
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0571	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	67.21	20.36
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0572	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	52.41	20.36
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 500, Deduct	*-5.24*	
		For >500, Deduct	*-7.01*	
26 51 19 00-0573	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	43.18	20.36
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-5.63*	
26 51 19 00-0574	EA	Solid Reflector, Pair (Cree® LS4-SR)	126.32	20.36
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-7.16*	
		For >250 To 500, Deduct	*-12.63*	
		For >500, Deduct	*-18.10*	
26 51 19 00-0575	EA	Solid Reflector, Pair (Cree® LS8-SR)	172.53	20.36
		For >50 To 100, Deduct	*-5.16*	
		For >100 To 250, Deduct	*-9.48*	
		For >250 To 500, Deduct	*-17.25*	
		For >500, Deduct	*-25.03*	
26 51 19 00-0576	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	67.21	20.36
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0577	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	93.07	20.36
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-9.31*	
		For >500, Deduct	*-13.11*	
26 51 19 00-0578	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	74.59	20.36
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.34*	
26 51 19 00-0579	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	98.62	20.36
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-9.86*	
		For >500, Deduct	*-13.94*	
26 51 19 00-0580	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	104.16	20.36
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-10.42*	
		For >500, Deduct	*-14.78*	
26 51 19 00-0581	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	89.37	20.36
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-8.94*	
		For >500, Deduct	*-12.56*	
26 51 19 00-0582	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	131.87	20.36
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-7.44*	
		For >250 To 500, Deduct	*-13.19*	
		For >500, Deduct	*-18.93*	
26 51 19 00-0583	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	70.90	20.36
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-9.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0584	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	85.68	20.36
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-8.57*	
		For >500, Deduct	*-12.00*	
26 51 19 00-0585	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	67.21	20.36
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0586	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,229.12	49.52
		For >50 To 100, Deduct	*-32.59*	
		For >100 To 250, Deduct	*-63.31*	
		For >250 To 500, Deduct	*-122.91*	
		For >500, Deduct	*-182.51*	
26 51 19 00-0587	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	443.82	49.52
		For >50 To 100, Deduct	*-12.95*	
		For >100 To 250, Deduct	*-24.05*	
		For >250 To 500, Deduct	*-44.38*	
		For >500, Deduct	*-64.72*	

26 51 19 00-0588 LED Low Bay Fixtures (Everlast LED-MQ) *(26 51 19 00-0538)*

26 51 19 00-0589	EA	4' Length, 36 Watt, LED High Bay Fixture (Everlast EL-LED-MQ)	493.84	74.28
		For >50 To 100, Deduct	*-15.44*	
		For >100 To 250, Deduct	*-27.79*	
		For >250 To 500, Deduct	*-49.38*	
		For >500, Deduct	*-70.98*	
26 51 19 00-0590	EA	8' Length, 72 Watt, LED High Bay Fixture (Everlast EL-LED-MQ)	771.49	92.85
		For >50 To 100, Deduct	*-23.16*	
		For >100 To 250, Deduct	*-42.44*	
		For >250 To 500, Deduct	*-77.15*	
		For >500, Deduct	*-111.85*	

26 51 19 00-0591 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0538)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0592	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,037.17	74.28
		For >50 To 100, Deduct	*-29.02*	
		For >100 To 250, Deduct	*-54.95*	
		For >250 To 500, Deduct	*-103.72*	
		For >500, Deduct	*-152.48*	

26 51 19 00-0593 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0594 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0593)*

26 51 19 00-0595	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	567.28	136.18
		For >50 To 100, Deduct	*-20.99*	
		For >100 To 250, Deduct	*-35.17*	
		For >250 To 500, Deduct	*-56.73*	
		For >500, Deduct	*-78.28*	
26 51 19 00-0596	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	567.28	136.18
		For >50 To 100, Deduct	*-20.99*	
		For >100 To 250, Deduct	*-35.17*	
		For >250 To 500, Deduct	*-56.73*	
		For >500, Deduct	*-78.28*	
26 51 19 00-0597	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	638.06	136.18
		For >50 To 100, Deduct	*-22.76*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-63.81*	
		For >500, Deduct	*-88.90*	
26 51 19 00-0598	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	638.06	136.18
		For >50 To 100, Deduct	*-22.76*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-63.81*	
		For >500, Deduct	*-88.90*	
26 51 19 00-0599	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	756.03	136.18
		For >50 To 100, Deduct	*-25.71*	
		For >100 To 250, Deduct	*-44.61*	
		For >250 To 500, Deduct	*-75.60*	
		For >500, Deduct	*-106.60*	
26 51 19 00-0600	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	756.03	136.18
		For >50 To 100, Deduct	*-25.71*	
		For >100 To 250, Deduct	*-44.61*	
		For >250 To 500, Deduct	*-75.60*	
		For >500, Deduct	*-106.60*	
26 51 19 00-0601	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	803.21	136.18
		For >50 To 100, Deduct	*-26.89*	
		For >100 To 250, Deduct	*-46.97*	
		For >250 To 500, Deduct	*-80.32*	
		For >500, Deduct	*-113.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0602	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	803.21	136.18
		For >50 To 100, Deduct	*-26.89*	
		For >100 To 250, Deduct	*-46.97*	
		For >250 To 500, Deduct	*-80.32*	
		For >500, Deduct	*-113.67*	
26 51 19 00-0603	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	838.60	136.18
		For >50 To 100, Deduct	*-27.77*	
		For >100 To 250, Deduct	*-48.74*	
		For >250 To 500, Deduct	*-83.86*	
		For >500, Deduct	*-118.98*	
26 51 19 00-0604	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	838.60	136.18
		For >50 To 100, Deduct	*-27.77*	
		For >100 To 250, Deduct	*-48.74*	
		For >250 To 500, Deduct	*-83.86*	
		For >500, Deduct	*-118.98*	

26 51 19 00-0605 LED High Bay Fixtures (Cree) *(26 51 19 00-0593)*

26 51 19 00-0606 LED High Bay Fixtures (CREE®) *(26 51 19 00-0605)*

26 51 19 00-0607	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	804.79	136.18
		For >50 To 100, Deduct	*-26.93*	
		For >100 To 250, Deduct	*-47.05*	
		For >250 To 500, Deduct	*-80.48*	
		For >500, Deduct	*-113.91*	
26 51 19 00-0608	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	956.02	136.18
		For >50 To 100, Deduct	*-30.71*	
		For >100 To 250, Deduct	*-54.61*	
		For >250 To 500, Deduct	*-95.60*	
		For >500, Deduct	*-136.59*	
26 51 19 00-0609	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	882.13	136.18
		For >50 To 100, Deduct	*-28.86*	
		For >100 To 250, Deduct	*-50.92*	
		For >250 To 500, Deduct	*-88.21*	
		For >500, Deduct	*-125.51*	
26 51 19 00-0610	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,002.23	136.18
		For >50 To 100, Deduct	*-31.86*	
		For >100 To 250, Deduct	*-56.92*	
		For >250 To 500, Deduct	*-100.22*	
		For >500, Deduct	*-143.53*	
26 51 19 00-0611	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	831.49	136.18
		For >50 To 100, Deduct	*-27.60*	
		For >100 To 250, Deduct	*-48.38*	
		For >250 To 500, Deduct	*-83.15*	
		For >500, Deduct	*-117.91*	
26 51 19 00-0612	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	983.74	136.18
		For >50 To 100, Deduct	*-31.40*	
		For >100 To 250, Deduct	*-56.00*	
		For >250 To 500, Deduct	*-98.37*	
		For >500, Deduct	*-140.75*	
26 51 19 00-0613	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	909.83	136.18
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-52.30*	
		For >250 To 500, Deduct	*-90.98*	
		For >500, Deduct	*-129.67*	
26 51 19 00-0614	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,029.93	136.18
		For >50 To 100, Deduct	*-32.56*	
		For >100 To 250, Deduct	*-58.31*	
		For >250 To 500, Deduct	*-102.99*	
		For >500, Deduct	*-147.68*	

26 51 19 00-0615 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0605)*

26 51 19 00-0616	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	61.66	20.36
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0617	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	61.66	20.36
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0618	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	80.13	20.36
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-8.01*	
		For >500, Deduct	*-11.17*	
26 51 19 00-0619	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	117.09	20.36
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-6.70*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-16.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0620	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	135.57	20.36
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 500, Deduct	*-13.56*	
		For >500, Deduct	*-19.49*	
26 51 19 00-0621	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	80.13	20.36
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-8.01*	
		For >500, Deduct	*-11.17*	
26 51 19 00-0622	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	81.98	20.36
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.45*	
26 51 19 00-0623	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	61.66	20.36
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0624	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	65.35	20.36
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-6.54*	
		For >500, Deduct	*-8.95*	
26 51 19 00-0625	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	45.03	20.36
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.10*	
		For >250 To 500, Deduct	*-4.50*	
		For >500, Deduct	*-5.91*	
26 51 19 00-0626	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	46.88	20.36
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 500, Deduct	*-4.69*	
		For >500, Deduct	*-6.18*	

26 51 19 00-0627 LED High Bay Fixtures (DLE) *(26 51 19 00-0593)*

26 51 19 00-0628	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,526.03	136.18
		For >50 To 100, Deduct	*-44.96*	
		For >100 To 250, Deduct	*-83.11*	
		For >250 To 500, Deduct	*-152.60*	
		For >500, Deduct	*-222.10*	
26 51 19 00-0629	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,871.40	136.18
		For >50 To 100, Deduct	*-53.59*	
		For >100 To 250, Deduct	*-100.38*	
		For >250 To 500, Deduct	*-187.14*	
		For >500, Deduct	*-273.90*	
26 51 19 00-0630	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,192.11	136.18
		For >50 To 100, Deduct	*-61.61*	
		For >100 To 250, Deduct	*-116.41*	
		For >250 To 500, Deduct	*-219.21*	
		For >500, Deduct	*-322.01*	

26 51 19 00-0631 LED High Bay Fixtures (Everlast) *(26 51 19 00-0593)*

26 51 19 00-0632 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0631)*

26 51 19 00-0633	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,034.88	136.18
		For >50 To 100, Deduct	*-32.68*	
		For >100 To 250, Deduct	*-58.55*	
		For >250 To 500, Deduct	*-103.49*	
		For >500, Deduct	*-148.42*	
26 51 19 00-0634	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,093.19	136.18
		For >50 To 100, Deduct	*-34.14*	
		For >100 To 250, Deduct	*-61.47*	
		For >250 To 500, Deduct	*-109.32*	
		For >500, Deduct	*-157.17*	
26 51 19 00-0635	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	976.57	136.18
		For >50 To 100, Deduct	*-31.22*	
		For >100 To 250, Deduct	*-55.64*	
		For >250 To 500, Deduct	*-97.66*	
		For >500, Deduct	*-139.68*	
26 51 19 00-0636	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,001.24	136.18
		For >50 To 100, Deduct	*-31.84*	
		For >100 To 250, Deduct	*-56.87*	
		For >250 To 500, Deduct	*-100.12*	
		For >500, Deduct	*-143.38*	
26 51 19 00-0637	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,135.80	136.18
		For >50 To 100, Deduct	*-35.20*	
		For >100 To 250, Deduct	*-63.60*	
		For >250 To 500, Deduct	*-113.58*	
		For >500, Deduct	*-163.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0638	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,236.72	136.18
		For >50 To 100, Deduct	*-37.73*	
		For >100 To 250, Deduct	*-68.65*	
		For >250 To 500, Deduct	*-123.67*	
		For >500, Deduct	*-178.70*	
26 51 19 00-0639	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,081.97	136.18
		For >50 To 100, Deduct	*-33.86*	
		For >100 To 250, Deduct	*-60.91*	
		For >250 To 500, Deduct	*-108.20*	
		For >500, Deduct	*-155.49*	
26 51 19 00-0640	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,169.44	136.18
		For >50 To 100, Deduct	*-36.05*	
		For >100 To 250, Deduct	*-65.28*	
		For >250 To 500, Deduct	*-116.94*	
		For >500, Deduct	*-168.61*	
26 51 19 00-0641	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,696.47	136.18
		For >50 To 100, Deduct	*-49.22*	
		For >100 To 250, Deduct	*-91.63*	
		For >250 To 500, Deduct	*-169.65*	
		For >500, Deduct	*-247.66*	
26 51 19 00-0642	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,853.46	136.18
		For >50 To 100, Deduct	*-53.15*	
		For >100 To 250, Deduct	*-99.48*	
		For >250 To 500, Deduct	*-185.35*	
		For >500, Deduct	*-271.21*	
26 51 19 00-0643	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,302.00	136.18
		For >50 To 100, Deduct	*-64.36*	
		For >100 To 250, Deduct	*-121.91*	
		For >250 To 500, Deduct	*-230.20*	
		For >500, Deduct	*-338.49*	

26 51 19 00-0644 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0631)*

26 51 19 00-0645	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	653.62	136.18
		For >50 To 100, Deduct	*-23.15*	
		For >100 To 250, Deduct	*-39.49*	
		For >250 To 500, Deduct	*-65.36*	
		For >500, Deduct	*-91.23*	
26 51 19 00-0646	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	956.38	136.18
		For >50 To 100, Deduct	*-30.72*	
		For >100 To 250, Deduct	*-54.63*	
		For >250 To 500, Deduct	*-95.64*	
		For >500, Deduct	*-136.65*	
26 51 19 00-0647	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,090.94	136.18
		For >50 To 100, Deduct	*-34.08*	
		For >100 To 250, Deduct	*-61.36*	
		For >250 To 500, Deduct	*-109.09*	
		For >500, Deduct	*-156.83*	
26 51 19 00-0648	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,247.93	136.18
		For >50 To 100, Deduct	*-38.01*	
		For >100 To 250, Deduct	*-69.21*	
		For >250 To 500, Deduct	*-124.79*	
		For >500, Deduct	*-180.38*	
26 51 19 00-0649	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,348.85	136.18
		For >50 To 100, Deduct	*-40.53*	
		For >100 To 250, Deduct	*-74.25*	
		For >250 To 500, Deduct	*-134.89*	
		For >500, Deduct	*-195.52*	

26 51 19 00-0650 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0631)*

26 51 19 00-0651	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	855.46	136.18
		For >50 To 100, Deduct	*-28.20*	
		For >100 To 250, Deduct	*-49.58*	
		For >250 To 500, Deduct	*-85.55*	
		For >500, Deduct	*-121.51*	
26 51 19 00-0652	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	911.53	136.18
		For >50 To 100, Deduct	*-29.60*	
		For >100 To 250, Deduct	*-52.39*	
		For >250 To 500, Deduct	*-91.15*	
		For >500, Deduct	*-129.92*	
26 51 19 00-0653	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	990.02	136.18
		For >50 To 100, Deduct	*-31.56*	
		For >100 To 250, Deduct	*-56.31*	
		For >250 To 500, Deduct	*-99.00*	
		For >500, Deduct	*-141.69*	

26 51 19 00-0654 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0631)*

26 51 19 00-0655	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	868.92	136.18
		For >50 To 100, Deduct	*-28.53*	
		For >100 To 250, Deduct	*-50.26*	
		For >250 To 500, Deduct	*-86.89*	
		For >500, Deduct	*-123.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0656	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,068.52	136.18
		For >50 To 100, Deduct	*-33.52*	
		For >100 To 250, Deduct	*-60.24*	
		For >250 To 500, Deduct	*-106.85*	
		For >500, Deduct	*-153.47*	
26 51 19 00-0657	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,326.43	136.18
		For >50 To 100, Deduct	*-39.97*	
		For >100 To 250, Deduct	*-73.13*	
		For >250 To 500, Deduct	*-132.64*	
		For >500, Deduct	*-192.16*	

26 51 19 00-0658 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0593)*

26 51 19 00-0659	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	480.47	133.71
		For >50 To 100, Deduct	*-17.10*	
		For >100 To 250, Deduct	*-29.11*	
		For >250 To 500, Deduct	*-48.05*	
		For >500, Deduct	*-66.99*	
26 51 19 00-0660	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	499.26	133.71
		For >50 To 100, Deduct	*-17.57*	
		For >100 To 250, Deduct	*-30.05*	
		For >250 To 500, Deduct	*-49.93*	
		For >500, Deduct	*-69.80*	
26 51 19 00-0661	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	541.54	133.71
		For >50 To 100, Deduct	*-18.62*	
		For >100 To 250, Deduct	*-32.16*	
		For >250 To 500, Deduct	*-54.15*	
		For >500, Deduct	*-76.15*	
26 51 19 00-0662	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	608.28	133.71
		For >50 To 100, Deduct	*-20.29*	
		For >100 To 250, Deduct	*-35.50*	
		For >250 To 500, Deduct	*-60.83*	
		For >500, Deduct	*-86.16*	
26 51 19 00-0663	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	662.63	133.71
		For >50 To 100, Deduct	*-21.65*	
		For >100 To 250, Deduct	*-38.22*	
		For >250 To 500, Deduct	*-66.26*	
		For >500, Deduct	*-94.31*	
26 51 19 00-0664	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	790.38	133.71
		For >50 To 100, Deduct	*-24.84*	
		For >100 To 250, Deduct	*-44.60*	
		For >250 To 500, Deduct	*-79.04*	
		For >500, Deduct	*-113.47*	
26 51 19 00-0665	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	953.47	133.71
		For >50 To 100, Deduct	*-28.92*	
		For >100 To 250, Deduct	*-52.76*	
		For >250 To 500, Deduct	*-95.35*	
		For >500, Deduct	*-137.94*	
26 51 19 00-0666	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,374.00	136.18
		For >50 To 100, Deduct	*-41.16*	
		For >100 To 250, Deduct	*-75.51*	
		For >250 To 500, Deduct	*-137.40*	
		For >500, Deduct	*-199.29*	

26 51 19 00-0667 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0593)*

26 51 19 00-0668	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	718.26	136.18
		For >50 To 100, Deduct	*-24.77*	
		For >100 To 250, Deduct	*-42.72*	
		For >250 To 500, Deduct	*-71.83*	
		For >500, Deduct	*-100.93*	
26 51 19 00-0669	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	777.24	136.18
		For >50 To 100, Deduct	*-26.24*	
		For >100 To 250, Deduct	*-45.67*	
		For >250 To 500, Deduct	*-77.72*	
		For >500, Deduct	*-109.78*	
26 51 19 00-0670	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	936.50	136.18
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-53.63*	
		For >250 To 500, Deduct	*-93.65*	
		For >500, Deduct	*-133.67*	
26 51 19 00-0671	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	1,000.20	136.18
		For >50 To 100, Deduct	*-31.81*	
		For >100 To 250, Deduct	*-56.82*	
		For >250 To 500, Deduct	*-100.02*	
		For >500, Deduct	*-143.22*	

26 51 19 00-0672 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0593)*

26 51 19 00-0673	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	795.21	136.18
		For >50 To 100, Deduct	*-26.69*	
		For >100 To 250, Deduct	*-46.57*	
		For >250 To 500, Deduct	*-79.52*	
		For >500, Deduct	*-112.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0674	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	815.75	136.18
		For >50 To 100, Deduct	*-27.20*	
		For >100 To 250, Deduct	*-47.60*	
		For >250 To 500, Deduct	*-81.58*	
		For >500, Deduct	*-115.55*	
26 51 19 00-0675	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	824.02	136.18
		For >50 To 100, Deduct	*-27.41*	
		For >100 To 250, Deduct	*-48.01*	
		For >250 To 500, Deduct	*-82.40*	
		For >500, Deduct	*-116.79*	
26 51 19 00-0676	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	902.78	136.18
		For >50 To 100, Deduct	*-29.38*	
		For >100 To 250, Deduct	*-51.95*	
		For >250 To 500, Deduct	*-90.28*	
		For >500, Deduct	*-128.61*	
26 51 19 00-0677	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	994.52	136.18
		For >50 To 100, Deduct	*-31.67*	
		For >100 To 250, Deduct	*-56.54*	
		For >250 To 500, Deduct	*-99.45*	
		For >500, Deduct	*-142.37*	
26 51 19 00-0678	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	1,028.94	136.18
		For >50 To 100, Deduct	*-32.53*	
		For >100 To 250, Deduct	*-58.26*	
		For >250 To 500, Deduct	*-102.89*	
		For >500, Deduct	*-147.53*	

26 51 19 00-0679 LED High Bay Fixtures (Neptun LED) *(26 51 19 00-0593)*

26 51 19 00-0680	EA	2" Diameter, 13,100 Lumens, Bi-Level Dimming, LED High Bay Fixture With Motion Sensor (Neptun LED-19150)	972.58	136.18
		For >50 To 100, Deduct	*-31.12*	
		For >100 To 250, Deduct	*-55.44*	
		For >250 To 500, Deduct	*-97.26*	
		For >500, Deduct	*-139.08*	

26 51 19 00-0681 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0593)*

26 51 19 00-0682 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0681)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0683	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	1,007.96	136.18
		For >50 To 100, Deduct	*-32.01*	
		For >100 To 250, Deduct	*-57.21*	
		For >250 To 500, Deduct	*-100.80*	
		For >500, Deduct	*-144.39*	
26 51 19 00-0684	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,133.55	136.18
		For >50 To 100, Deduct	*-35.15*	
		For >100 To 250, Deduct	*-63.49*	
		For >250 To 500, Deduct	*-113.36*	
		For >500, Deduct	*-163.22*	
26 51 19 00-0685	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,315.21	136.18
		For >50 To 100, Deduct	*-39.69*	
		For >100 To 250, Deduct	*-72.57*	
		For >250 To 500, Deduct	*-131.52*	
		For >500, Deduct	*-190.47*	
26 51 19 00-0686	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,492.39	136.18
		For >50 To 100, Deduct	*-44.12*	
		For >100 To 250, Deduct	*-81.43*	
		For >250 To 500, Deduct	*-149.24*	
		For >500, Deduct	*-217.05*	

26 51 19 00-0687 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0681)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0688	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,097.67	136.18
		For 480 Volt, Add	*62.90*	
		For >50 To 100, Deduct	*-34.25*	
		For >100 To 250, Deduct	*-61.69*	
		For >250 To 500, Deduct	*-109.77*	
		For >500, Deduct	*-157.84*	
26 51 19 00-0689	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,535.00	136.18
		For 480 Volt, Add	*79.70*	
		For >50 To 100, Deduct	*-45.18*	
		For >100 To 250, Deduct	*-83.56*	
		For >250 To 500, Deduct	*-153.50*	
		For >500, Deduct	*-223.44*	
26 51 19 00-0690	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,739.32	136.18
		For 480 Volt, Add	*126.45*	
		For >50 To 100, Deduct	*-75.29*	
		For >100 To 250, Deduct	*-143.78*	
		For >250 To 500, Deduct	*-273.93*	
		For >500, Deduct	*-404.09*	

26 51 19 00-0691 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0681)*

Note: Includes aluminum alloy chassis.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0692	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	862.19	136.18
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-28.36*	
		For >100 To 250, Deduct	*-49.92*	
		For >250 To 500, Deduct	*-86.22*	
		For >500, Deduct	*-122.52*	
26 51 19 00-0693	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	922.74	136.18
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-29.88*	
		For >100 To 250, Deduct	*-52.95*	
		For >250 To 500, Deduct	*-92.27*	
		For >500, Deduct	*-131.60*	
26 51 19 00-0694	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,131.31	136.18
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-35.09*	
		For >100 To 250, Deduct	*-63.37*	
		For >250 To 500, Deduct	*-113.13*	
		For >500, Deduct	*-162.89*	
26 51 19 00-0695	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,281.57	136.18
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-38.85*	
		For >100 To 250, Deduct	*-70.89*	
		For >250 To 500, Deduct	*-128.16*	
		For >500, Deduct	*-185.43*	
26 51 19 00-0696	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,389.46	136.18
		For >50 To 100, Deduct	*-66.55*	
		For >100 To 250, Deduct	*-126.28*	
		For >250 To 500, Deduct	*-238.95*	
		For >500, Deduct	*-351.61*	
26 51 19 00-0697	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,586.82	136.18
		For >50 To 100, Deduct	*-71.48*	
		For >100 To 250, Deduct	*-136.15*	
		For >250 To 500, Deduct	*-258.68*	
		For >500, Deduct	*-381.21*	
26 51 19 00-0698	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,945.43	136.18
		For >50 To 100, Deduct	*-105.44*	
		For >100 To 250, Deduct	*-204.08*	
		For >250 To 500, Deduct	*-394.54*	
		For >500, Deduct	*-585.01*	

26 51 19 00-0699 Linear LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0700 Wet Location, Linear LED Fixtures (Cree WS4) *(26 51 19 00-0699)*

26 51 19 00-0701	EA	4' Length, 4,700 Lumens, 50 Watt, Wet Location, Linear LED Fixture (Cree WS4)	606.00	74.28
		For >50 To 100, Deduct	*-18.25*	
		For >100 To 250, Deduct	*-33.40*	
		For >250 To 500, Deduct	*-60.60*	
		For >500, Deduct	*-87.81*	
26 51 19 00-0702	EA	4' Length, 5,000 Lumens, 51 Watt, Wet Location, Linear LED Fixture (Cree WS4)	655.52	74.28
		For >50 To 100, Deduct	*-19.48*	
		For >100 To 250, Deduct	*-35.87*	
		For >250 To 500, Deduct	*-65.55*	
		For >500, Deduct	*-95.23*	
26 51 19 00-0703	EA	4' Length, 5,900 Lumens, 63 Watt, Wet Location, Linear LED Fixture (Cree WS4)	684.20	74.28
		For >50 To 100, Deduct	*-20.20*	
		For >100 To 250, Deduct	*-37.31*	
		For >250 To 500, Deduct	*-68.42*	
		For >500, Deduct	*-99.54*	
26 51 19 00-0704	EA	4' Length, 6,300 Lumens, 64 Watt, Wet Location, Linear LED Fixture (Cree WS4)	684.20	74.28
		For >50 To 100, Deduct	*-20.20*	
		For >100 To 250, Deduct	*-37.31*	
		For >250 To 500, Deduct	*-68.42*	
		For >500, Deduct	*-99.54*	

26 51 19 00-0705 Wall Washers LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0706 LED Wall Washers (GE Lumination™ LW Series) *(26 51 19 00-0705)*

26 51 19 00-0707	EA	4' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	690.89	74.28
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-37.64*	
		For >250 To 500, Deduct	*-69.09*	
		For >500, Deduct	*-100.54*	
26 51 19 00-0708	EA	4' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	878.56	74.28
		For >50 To 100, Deduct	*-25.06*	
		For >100 To 250, Deduct	*-47.02*	
		For >250 To 500, Deduct	*-87.86*	
		For >500, Deduct	*-128.69*	
26 51 19 00-0709	EA	8' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,288.93	92.85
		For >50 To 100, Deduct	*-36.09*	
		For >100 To 250, Deduct	*-68.32*	
		For >250 To 500, Deduct	*-128.89*	
		For >500, Deduct	*-189.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0710	EA	8' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,664.26	92.85
		For >50 To 100, Deduct	*-45.48*	
		For >100 To 250, Deduct	*-87.08*	
		For >250 To 500, Deduct	*-166.43*	
		For >500, Deduct	*-245.77*	
26 51 19 00-0711	EA	120" Leader Cable (GE LLWB-LC2-120)	155.86	6.77
		For >50 To 100, Deduct	*-4.57*	
		For >100 To 250, Deduct	*-8.47*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.70*	
26 51 19 00-0712	EA	48" Jumper Cable (GE LLWB-JC2-48)	158.47	6.77
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 250, Deduct	*-8.60*	
		For >250 To 500, Deduct	*-15.85*	
		For >500, Deduct	*-23.09*	
26 51 19 00-0713	EA	10 Pack, 48" Mounting Track (GE LWW1-MT48/0)	104.70	37.93
		For >50 To 100, Deduct	*-4.11*	
		For >100 To 250, Deduct	*-6.73*	
		For >250 To 500, Deduct	*-10.47*	
		For >500, Deduct	*-14.21*	

26 51 19 00-0714 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0715 Wet Location, LED Fixtures *(26 51 19 00-0714)*

26 51 19 00-0716 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0717	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	4,297.23	103.99
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-111.76*	
		For >100 To 250, Deduct	*-219.19*	
		For >250 To 500, Deduct	*-429.72*	
		For >500, Deduct	*-640.25*	
26 51 19 00-0718	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	4,374.84	111.42
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-114.01*	
		For >100 To 250, Deduct	*-223.38*	
		For >250 To 500, Deduct	*-437.48*	
		For >500, Deduct	*-651.58*	
26 51 19 00-0719	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,948.82	118.84
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-128.67*	
		For >100 To 250, Deduct	*-252.39*	
		For >250 To 500, Deduct	*-494.88*	
		For >500, Deduct	*-737.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0720	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,978.32	126.28
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-154.72*	
		For >100 To 250, Deduct	*-304.18*	
		For >250 To 500, Deduct	*-597.83*	
		For >500, Deduct	*-891.49*	
26 51 19 00-0721	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	7,658.54	133.71
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-197.03*	
		For >100 To 250, Deduct	*-388.50*	
		For >250 To 500, Deduct	*-765.85*	
		For >500, Deduct	*-1,143.21*	
26 51 19 00-0722	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	10,124.22	137.42
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-258.83*	
		For >100 To 250, Deduct	*-511.94*	
		For >250 To 500, Deduct	*-1,012.42*	
		For >500, Deduct	*-1,512.91*	
26 51 19 00-0723	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	11,747.78	141.13
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-299.58*	
		For >100 To 250, Deduct	*-593.27*	
		For >250 To 500, Deduct	*-1,174.78*	
		For >500, Deduct	*-1,756.29*	

26 51 19 00-0724 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0725	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,851.88	111.42
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-100.94*	
		For >100 To 250, Deduct	*-197.24*	
		For >250 To 500, Deduct	*-385.19*	
		For >500, Deduct	*-573.14*	
26 51 19 00-0726	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	5,741.20	118.84
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-148.48*	
		For >100 To 250, Deduct	*-292.01*	
		For >250 To 500, Deduct	*-574.12*	
		For >500, Deduct	*-856.23*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0727		EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	6,336.93	126.28
			For Bolt-On Visor, Add	*210.13*	
			For Bolt-On Wire Guard, Add	*432.21*	
			For 480 Volt, Add	*370.05*	
			For Warm White Color Rendering, Add	*157.11*	
			For >50 To 100, Deduct	*-163.68*	
			For >100 To 250, Deduct	*-322.11*	
			For >250 To 500, Deduct	*-633.69*	
			For >500, Deduct	*-945.28*	
26 51 19 00-0728		EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	7,290.13	133.71
			For Bolt-On Visor, Add	*210.13*	
			For Bolt-On Wire Guard, Add	*432.21*	
			For 480 Volt, Add	*370.05*	
			For Warm White Color Rendering, Add	*157.11*	
			For >50 To 100, Deduct	*-187.82*	
			For >100 To 250, Deduct	*-370.08*	
			For >250 To 500, Deduct	*-729.01*	
			For >500, Deduct	*-1,087.95*	

26 51 19 00-0729 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0730		EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,637.73	103.99
			For 12/24 Volt DC Driver, Add	*59.72*	
			For Frosted Lens, Add	*122.05*	
			For 55 Degree Ambient Suitability (AC Only), Add	*81.31*	
			For Warm White Color Rendering, Add	*157.11*	
			For Ceiling Mount, Add	*185.54*	
			For Wall Mount, Add	*269.09*	
			For Teflon Coated Lens, Add	*259.04*	
			For Wall Mount With Junction Box, Add	*390.90*	
			For >50 To 100, Deduct	*-70.28*	
			For >100 To 250, Deduct	*-136.22*	
			For >250 To 500, Deduct	*-263.77*	
			For >500, Deduct	*-391.33*	

26 51 19 00-0731 Vaportight, LED Fixtures *(26 51 19 00-0714)*

26 51 19 00-0732 General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

26 51 19 00-0733		EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	352.94	59.42
			For >50 To 100, Deduct	*-11.30*	
			For >100 To 250, Deduct	*-20.12*	
			For >250 To 500, Deduct	*-35.29*	
			For >500, Deduct	*-50.47*	
26 51 19 00-0734		EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	368.12	59.42
			For >50 To 100, Deduct	*-11.68*	
			For >100 To 250, Deduct	*-20.88*	
			For >250 To 500, Deduct	*-36.81*	
			For >500, Deduct	*-52.74*	
26 51 19 00-0735		EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	398.50	59.42
			For >50 To 100, Deduct	*-12.44*	
			For >100 To 250, Deduct	*-22.40*	
			For >250 To 500, Deduct	*-39.85*	
			For >500, Deduct	*-57.30*	
26 51 19 00-0736		EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	356.80	74.28
			For >50 To 100, Deduct	*-12.02*	
			For >100 To 250, Deduct	*-20.94*	
			For >250 To 500, Deduct	*-35.68*	
			For >500, Deduct	*-50.43*	
26 51 19 00-0737		EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	400.36	74.28
			For >50 To 100, Deduct	*-13.10*	
			For >100 To 250, Deduct	*-23.11*	
			For >250 To 500, Deduct	*-40.04*	
			For >500, Deduct	*-56.96*	
26 51 19 00-0738		EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	559.92	74.28
			For >50 To 100, Deduct	*-17.09*	
			For >100 To 250, Deduct	*-31.09*	
			For >250 To 500, Deduct	*-55.99*	
			For >500, Deduct	*-80.89*	

26 51 19 00-0739 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0740	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	383.31	59.42
		For >50 To 100, Deduct	*-12.06*	
		For >100 To 250, Deduct	*-21.64*	
		For >250 To 500, Deduct	*-38.33*	
		For >500, Deduct	*-55.02*	
26 51 19 00-0741	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	398.50	59.42
		For >50 To 100, Deduct	*-12.44*	
		For >100 To 250, Deduct	*-22.40*	
		For >250 To 500, Deduct	*-39.85*	
		For >500, Deduct	*-57.30*	
26 51 19 00-0742	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	428.87	59.42
		For >50 To 100, Deduct	*-13.20*	
		For >100 To 250, Deduct	*-23.92*	
		For >250 To 500, Deduct	*-42.89*	
		For >500, Deduct	*-61.85*	
26 51 19 00-0743	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	499.19	74.28
		For >50 To 100, Deduct	*-15.57*	
		For >100 To 250, Deduct	*-28.05*	
		For >250 To 500, Deduct	*-49.92*	
		For >500, Deduct	*-71.78*	
26 51 19 00-0744	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	559.92	74.28
		For >50 To 100, Deduct	*-17.09*	
		For >100 To 250, Deduct	*-31.09*	
		For >250 To 500, Deduct	*-55.99*	
		For >500, Deduct	*-80.89*	
26 51 19 00-0745	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	620.67	74.28
		For >50 To 100, Deduct	*-18.61*	
		For >100 To 250, Deduct	*-34.13*	
		For >250 To 500, Deduct	*-62.07*	
		For >500, Deduct	*-90.01*	

26 51 19 00-0746 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

26 51 19 00-0747	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	383.31	59.42
		For >50 To 100, Deduct	*-12.06*	
		For >100 To 250, Deduct	*-21.64*	
		For >250 To 500, Deduct	*-38.33*	
		For >500, Deduct	*-55.02*	
26 51 19 00-0748	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	399.66	59.42
		For >50 To 100, Deduct	*-12.47*	
		For >100 To 250, Deduct	*-22.46*	
		For >250 To 500, Deduct	*-39.97*	
		For >500, Deduct	*-57.47*	
26 51 19 00-0749	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	428.87	59.42
		For >50 To 100, Deduct	*-13.20*	
		For >100 To 250, Deduct	*-23.92*	
		For >250 To 500, Deduct	*-42.89*	
		For >500, Deduct	*-61.85*	
26 51 19 00-0750	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	499.19	74.28
		For >50 To 100, Deduct	*-15.57*	
		For >100 To 250, Deduct	*-28.05*	
		For >250 To 500, Deduct	*-49.92*	
		For >500, Deduct	*-71.78*	
26 51 19 00-0751	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	559.92	74.28
		For >50 To 100, Deduct	*-17.09*	
		For >100 To 250, Deduct	*-31.09*	
		For >250 To 500, Deduct	*-55.99*	
		For >500, Deduct	*-80.89*	
26 51 19 00-0752	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	620.67	74.28
		For >50 To 100, Deduct	*-18.61*	
		For >100 To 250, Deduct	*-34.13*	
		For >250 To 500, Deduct	*-62.07*	
		For >500, Deduct	*-90.01*	

26 51 19 00-0753 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0754 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0753)*

26 51 19 00-0755	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	137.55	49.52
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.73*	
		For >250 To 500, Deduct	*-13.76*	
		For >500, Deduct	*-18.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0756	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	143.83	49.52
		For >50 To 100, Deduct	*-5.45*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.38*	
		For >500, Deduct	*-19.72*	
26 51 19 00-0757	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	150.12	49.52
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-9.36*	
		For >250 To 500, Deduct	*-15.01*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0758	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	156.40	49.52
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.64*	
		For >500, Deduct	*-21.60*	
26 51 19 00-0759	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	151.49	54.48
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.62*	
		For >250 To 500, Deduct	*-15.15*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0760	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	157.77	54.48
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-9.93*	
		For >250 To 500, Deduct	*-15.78*	
		For >500, Deduct	*-21.62*	
26 51 19 00-0761	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	164.05	54.48
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.25*	
		For >250 To 500, Deduct	*-16.41*	
		For >500, Deduct	*-22.56*	
26 51 19 00-0762	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	170.33	54.48
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.51*	
26 51 19 00-0763	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	182.90	54.48
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.19*	
		For >250 To 500, Deduct	*-18.29*	
		For >500, Deduct	*-25.39*	
26 51 19 00-0764	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	137.55	49.52
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.73*	
		For >250 To 500, Deduct	*-13.76*	
		For >500, Deduct	*-18.78*	
26 51 19 00-0765	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	143.83	49.52
		For >50 To 100, Deduct	*-5.45*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.38*	
		For >500, Deduct	*-19.72*	
26 51 19 00-0766	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	150.11	49.52
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-9.36*	
		For >250 To 500, Deduct	*-15.01*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0767	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	156.39	49.52
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.64*	
		For >500, Deduct	*-21.60*	
26 51 19 00-0768	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	151.49	54.48
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.62*	
		For >250 To 500, Deduct	*-15.15*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0769	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	157.77	54.48
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-9.93*	
		For >250 To 500, Deduct	*-15.78*	
		For >500, Deduct	*-21.62*	
26 51 19 00-0770	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	164.05	54.48
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.25*	
		For >250 To 500, Deduct	*-16.41*	
		For >500, Deduct	*-22.56*	
26 51 19 00-0771	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	170.33	54.48
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.51*	
26 51 19 00-0772	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-35)	182.90	54.48
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.19*	
		For >250 To 500, Deduct	*-18.29*	
		For >500, Deduct	*-25.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0773	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	137.55	49.52
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.73*	
		For >250 To 500, Deduct	*-13.76*	
		For >500, Deduct	*-18.78*	
26 51 19 00-0774	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	143.83	49.52
		For >50 To 100, Deduct	*-5.45*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.38*	
		For >500, Deduct	*-19.72*	
26 51 19 00-0775	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	150.11	49.52
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-9.36*	
		For >250 To 500, Deduct	*-15.01*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0776	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	156.39	49.52
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.64*	
		For >500, Deduct	*-21.60*	
26 51 19 00-0777	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	151.49	54.48
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.62*	
		For >250 To 500, Deduct	*-15.15*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0778	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	157.77	54.48
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-9.93*	
		For >250 To 500, Deduct	*-15.78*	
		For >500, Deduct	*-21.62*	
26 51 19 00-0779	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	164.05	54.48
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.25*	
		For >250 To 500, Deduct	*-16.41*	
		For >500, Deduct	*-22.56*	
26 51 19 00-0780	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	170.33	54.48
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.51*	
26 51 19 00-0781	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	182.90	54.48
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.19*	
		For >250 To 500, Deduct	*-18.29*	
		For >500, Deduct	*-25.39*	
26 51 19 00-0782	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	137.55	49.52
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.73*	
		For >250 To 500, Deduct	*-13.76*	
		For >500, Deduct	*-18.78*	
26 51 19 00-0783	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	143.83	49.52
		For >50 To 100, Deduct	*-5.45*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.38*	
		For >500, Deduct	*-19.72*	
26 51 19 00-0784	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	150.11	49.52
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-9.36*	
		For >250 To 500, Deduct	*-15.01*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0785	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	156.39	49.52
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.64*	
		For >500, Deduct	*-21.60*	
26 51 19 00-0786	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	151.49	54.48
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.62*	
		For >250 To 500, Deduct	*-15.15*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0787	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	157.77	54.48
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-9.93*	
		For >250 To 500, Deduct	*-15.78*	
		For >500, Deduct	*-21.62*	
26 51 19 00-0788	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	164.05	54.48
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.25*	
		For >250 To 500, Deduct	*-16.41*	
		For >500, Deduct	*-22.56*	
26 51 19 00-0789	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	170.33	54.48
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0790	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	182.90	54.48
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.19*	
		For >250 To 500, Deduct	*-18.29*	
		For >500, Deduct	*-25.39*	
26 51 19 00-0791	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	189.12	58.80
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-18.91*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0792	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	203.39	58.80
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-28.28*	
26 51 19 00-0793	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	199.91	58.80
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.76*	
26 51 19 00-0794	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	199.85	58.80
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0795	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	215.96	58.80
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 250, Deduct	*-13.03*	
		For >250 To 500, Deduct	*-21.60*	
		For >500, Deduct	*-30.17*	
26 51 19 00-0796	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	210.76	58.80
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.08*	
		For >500, Deduct	*-29.39*	
26 51 19 00-0797	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	232.52	58.80
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-23.25*	
		For >500, Deduct	*-32.65*	
26 51 19 00-0798	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	225.44	58.80
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.59*	
26 51 19 00-0799	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	225.49	58.80
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.55*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0800	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	189.12	58.80
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-18.91*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0801	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	203.39	58.80
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-28.28*	
26 51 19 00-0802	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	199.91	58.80
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.76*	
26 51 19 00-0803	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	199.85	58.80
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0804	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	215.96	58.80
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 250, Deduct	*-13.03*	
		For >250 To 500, Deduct	*-21.60*	
		For >500, Deduct	*-30.17*	
26 51 19 00-0805	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	210.76	58.80
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.08*	
		For >500, Deduct	*-29.39*	
26 51 19 00-0806	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	232.52	58.80
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-23.25*	
		For >500, Deduct	*-32.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0807	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	225.44	58.80
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.59*	
26 51 19 00-0808	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	225.49	58.80
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.55*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0809	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	189.12	58.80
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-18.91*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0810	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	203.39	58.80
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-28.28*	
26 51 19 00-0811	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	199.91	58.80
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.76*	
26 51 19 00-0812	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	199.85	58.80
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0813	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	215.96	58.80
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 250, Deduct	*-13.03*	
		For >250 To 500, Deduct	*-21.60*	
		For >500, Deduct	*-30.17*	
26 51 19 00-0814	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	210.76	58.80
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.08*	
		For >500, Deduct	*-29.39*	
26 51 19 00-0815	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	232.52	58.80
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-23.25*	
		For >500, Deduct	*-32.65*	
26 51 19 00-0816	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	225.44	58.80
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.59*	
26 51 19 00-0817	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	225.49	58.80
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.55*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0818	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	189.12	58.80
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-18.91*	
		For >500, Deduct	*-26.14*	
26 51 19 00-0819	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	203.39	58.80
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-28.28*	
26 51 19 00-0820	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	199.91	58.80
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.76*	
26 51 19 00-0821	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	199.85	58.80
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.22*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0822	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	215.96	58.80
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 250, Deduct	*-13.03*	
		For >250 To 500, Deduct	*-21.60*	
		For >500, Deduct	*-30.17*	
26 51 19 00-0823	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	210.76	58.80
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-12.77*	
		For >250 To 500, Deduct	*-21.08*	
		For >500, Deduct	*-29.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0824	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	232.52	58.80
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-23.25*	
		For >500, Deduct	*-32.65*	
26 51 19 00-0825	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	225.44	58.80
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.54*	
		For >500, Deduct	*-31.59*	
26 51 19 00-0826	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	225.49	58.80
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-13.50*	
		For >250 To 500, Deduct	*-22.55*	
		For >500, Deduct	*-31.60*	
26 51 19 00-0827		**Ceiling Mounted, LED Mushroom Fixtures (Mobern)** *(26 51 19 00-0753)*		
26 51 19 00-0828	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	204.28	54.48
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.26*	
		For >250 To 500, Deduct	*-20.43*	
		For >500, Deduct	*-28.60*	
26 51 19 00-0829		**Ceiling Mounted, LED Fixtures (Sylvania)** *(26 51 19 00-0753)*		
26 51 19 00-0830	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	749.87	58.80
		For >50 To 100, Deduct	*-20.98*	
		For >100 To 250, Deduct	*-39.72*	
		For >250 To 500, Deduct	*-74.99*	
		For >500, Deduct	*-110.25*	
26 51 19 00-0831	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	290.53	49.52
		For >50 To 100, Deduct	*-9.12*	
		For >100 To 250, Deduct	*-16.38*	
		For >250 To 500, Deduct	*-29.05*	
		For >500, Deduct	*-41.72*	
26 51 19 00-0832	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	361.38	57.69
		For >50 To 100, Deduct	*-11.20*	
		For >100 To 250, Deduct	*-20.24*	
		For >250 To 500, Deduct	*-36.14*	
		For >500, Deduct	*-52.04*	
26 51 19 00-0833	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	365.57	57.69
		For >50 To 100, Deduct	*-11.31*	
		For >100 To 250, Deduct	*-20.45*	
		For >250 To 500, Deduct	*-36.56*	
		For >500, Deduct	*-52.67*	
26 51 19 00-0834		**Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0835		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0834)*		
		Note: Fixtures exclude driver.		
26 51 19 00-0836	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	323.93	57.69
		For >50 To 100, Deduct	*-10.26*	
		For >100 To 250, Deduct	*-18.36*	
		For >250 To 500, Deduct	*-32.39*	
		For >500, Deduct	*-46.42*	
26 51 19 00-0837	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	422.70	102.14
		For >50 To 100, Deduct	*-14.44*	
		For >100 To 250, Deduct	*-25.00*	
		For >250 To 500, Deduct	*-42.27*	
		For >500, Deduct	*-59.54*	
26 51 19 00-0838	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	390.41	81.71
		For >50 To 100, Deduct	*-12.86*	
		For >100 To 250, Deduct	*-22.62*	
		For >250 To 500, Deduct	*-39.04*	
		For >500, Deduct	*-55.47*	
26 51 19 00-0839		**Pendant Mount, LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0840		**Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)** *(26 51 19 00-0839)*		
26 51 19 00-0841	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,754.40	126.28
		For >50 To 100, Deduct	*-74.12*	
		For >100 To 250, Deduct	*-142.98*	
		For >250 To 500, Deduct	*-275.44*	
		For >500, Deduct	*-407.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0842	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,157.60	133.71
		For >50 To 100, Deduct	*-109.51*	
		For >100 To 250, Deduct	*-213.45*	
		For >250 To 500, Deduct	*-415.76*	
		For >500, Deduct	*-618.07*	
26 51 19 00-0843	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,308.50	141.13
		For >50 To 100, Deduct	*-138.59*	
		For >100 To 250, Deduct	*-271.31*	
		For >250 To 500, Deduct	*-530.85*	
		For >500, Deduct	*-790.39*	
26 51 19 00-0844	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,711.70	148.56
		For >50 To 100, Deduct	*-173.98*	
		For >100 To 250, Deduct	*-341.78*	
		For >250 To 500, Deduct	*-671.17*	
		For >500, Deduct	*-1,000.57*	
26 51 19 00-0845	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,921.21	126.28
		For >50 To 100, Deduct	*-78.29*	
		For >100 To 250, Deduct	*-151.32*	
		For >250 To 500, Deduct	*-292.12*	
		For >500, Deduct	*-432.92*	
26 51 19 00-0846	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,378.63	133.71
		For >50 To 100, Deduct	*-115.04*	
		For >100 To 250, Deduct	*-224.50*	
		For >250 To 500, Deduct	*-437.86*	
		For >500, Deduct	*-651.22*	
26 51 19 00-0847	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,531.62	141.13
		For >50 To 100, Deduct	*-144.17*	
		For >100 To 250, Deduct	*-282.46*	
		For >250 To 500, Deduct	*-553.16*	
		For >500, Deduct	*-823.86*	
26 51 19 00-0848	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,961.93	148.56
		For >50 To 100, Deduct	*-180.24*	
		For >100 To 250, Deduct	*-354.29*	
		For >250 To 500, Deduct	*-696.19*	
		For >500, Deduct	*-1,038.10*	
26 51 19 00-0849		**Pendant Mount, LED Commercial Fixtures (DMF)** *(26 51 19 00-0839)*		
26 51 19 00-0850	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,068.39	74.28
		For >50 To 100, Deduct	*-29.80*	
		For >100 To 250, Deduct	*-56.51*	
		For >250 To 500, Deduct	*-106.84*	
		For >500, Deduct	*-157.16*	
26 51 19 00-0851		**Pendant Mount, LED Downlight Fixtures (King Luminaire)** *(26 51 19 00-0839)*		
26 51 19 00-0852	EA	Up To 100 Watt, Pendant Mount, LED Downlight Fixture (King Luminaire K804)	4,070.94	74.28
		For >50 To 100, Deduct	*-104.87*	
		For >100 To 250, Deduct	*-206.64*	
		For >250 To 500, Deduct	*-407.09*	
		For >500, Deduct	*-607.55*	
26 51 19 00-0853	EA	133 Watt, Pendant Mount, LED Downlight Fixture (King Luminaire K804)	4,526.21	74.28
		For >50 To 100, Deduct	*-116.25*	
		For >100 To 250, Deduct	*-229.41*	
		For >250 To 500, Deduct	*-452.62*	
		For >500, Deduct	*-675.84*	
26 51 19 00-0854		**LED Track Lighting** *(26 51 19 00-0001)*		
26 51 19 00-0855		**Track Lighting Tracks** *(26 51 19 00-0854)*		
26 51 19 00-0856	LF	1 Circuit Track Lighting Track	28.03	8.95
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.90*	
26 51 19 00-0857	LF	2 Circuit Track Lighting Track	36.32	8.95
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.63*	
		For >500, Deduct	*-5.11*	
26 51 19 00-0858	LF	3 Circuit Track Lighting Track	43.41	8.95
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-6.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0859	LF	4 Circuit Track Lighting Track	50.51	10.84
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.17*	

26 51 19 00-0860 LED Track Lighting Fixtures *(26 51 19 00-0854)*

26 51 19 00-0861	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	232.56	22.63
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-23.26*	
		For >500, Deduct	*-34.04*	
26 51 19 00-0862	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	405.59	22.63
		For >50 To 100, Deduct	*-10.99*	
		For >100 To 250, Deduct	*-21.13*	
		For >250 To 500, Deduct	*-40.56*	
		For >500, Deduct	*-59.99*	
26 51 19 00-0863	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	239.13	22.63
		For >50 To 100, Deduct	*-6.83*	
		For >100 To 250, Deduct	*-12.80*	
		For >250 To 500, Deduct	*-23.91*	
		For >500, Deduct	*-35.02*	

26 51 19 00-0864 Track Lighting Accessories *(26 51 19 00-0854)*

26 51 19 00-0865 Pendant Mounting *(26 51 19 00-0864)*

26 51 19 00-0866	EA	Track Lighting Pendant Mounting, Up to 12"	29.32	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.89*	
26 51 19 00-0867	EA	Track Lighting Pendant Mounting, >12" To 24"	37.13	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.71*	
		For >500, Deduct	*-4.99*	
26 51 19 00-0868	EA	Track Lighting Pendant Mounting, >24" To 36"	45.09	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.51*	
		For >500, Deduct	*-6.09*	

26 51 19 00-0869 Other LED Fixtures And Trim *(26 51 19 00-0001)*

26 51 19 00-0870	EA	21 LED, 27 Watt, Wall Mount Lightbar Fixture (Cooper Lighting McGraw-Edison IST-B01-E1-LED-GZW-BK)	763.51	105.23
		For >50 To 100, Deduct	*-24.35*	
		For >100 To 250, Deduct	*-43.44*	
		For >250 To 500, Deduct	*-76.35*	
		For >500, Deduct	*-109.27*	
26 51 19 00-0871	EA	7 LED, 27 Watt, Wall Mount Lightbar Fixture (Cooper Lighting McGraw-Edison IST-C01-E1-LED-GZW-BK)	763.51	105.23
		For >50 To 100, Deduct	*-24.35*	
		For >100 To 250, Deduct	*-43.44*	
		For >250 To 500, Deduct	*-76.35*	
		For >500, Deduct	*-109.27*	
26 51 19 00-0872	EA	3,600 Lumens, 29 Watt, 120 Degree Light Pattern, 2' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL2/UNV1 S903 TF P) Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted	1,249.07	49.52
		For >50 To 100, Deduct	*-33.08*	
		For >100 To 250, Deduct	*-64.31*	
		For >250 To 500, Deduct	*-124.91*	
		For >500, Deduct	*-185.50*	
26 51 19 00-0873	EA	7,100 Lumens, 55 Watt, 120 Degree Light Pattern, 4' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL4/UNV1 S903 TF P) Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted	1,522.99	57.69
		For >50 To 100, Deduct	*-40.24*	
		For >100 To 250, Deduct	*-78.32*	
		For >250 To 500, Deduct	*-152.30*	
		For >500, Deduct	*-226.28*	
26 51 19 00-0874	EA	3,600 Lumens, 29 Watt, 80 Degree Light Pattern, 2' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL2N/UNV1 S903 TF P) Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted	1,249.07	49.52
		For >50 To 100, Deduct	*-33.08*	
		For >100 To 250, Deduct	*-64.31*	
		For >250 To 500, Deduct	*-124.91*	
		For >500, Deduct	*-185.50*	
26 51 19 00-0875	EA	7,100 Lumens, 55 Watt, 80 Degree Light Pattern, 4' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL4N/UNV1 S903 TF P) Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted	1,522.99	57.69
		For >50 To 100, Deduct	*-40.24*	
		For >100 To 250, Deduct	*-78.32*	
		For >250 To 500, Deduct	*-152.30*	
		For >500, Deduct	*-226.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0876	EA	3,600 Lumens, 29 Watt, 120 Degree Light Pattern, 2' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL2/UNV1 S903 TF P EM1)	1,292.09	49.52
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-34.16*	
		For >100 To 250, Deduct	*-66.46*	
		For >250 To 500, Deduct	*-129.21*	
		For >500, Deduct	*-191.96*	
26 51 19 00-0877	EA	7,100 Lumens, 55 Watt, 120 Degree Light Pattern, 4' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL4/UNV1 S903 TF P EM1)	1,658.48	57.69
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-43.63*	
		For >100 To 250, Deduct	*-85.09*	
		For >250 To 500, Deduct	*-165.85*	
		For >500, Deduct	*-246.61*	
26 51 19 00-0878	EA	3,600 Lumens, 29 Watt, 80 Degree Light Pattern, 2' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL2N/UNV1 S903 TF P EM1)	1,292.09	49.52
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-34.16*	
		For >100 To 250, Deduct	*-66.46*	
		For >250 To 500, Deduct	*-129.21*	
		For >500, Deduct	*-191.96*	
26 51 19 00-0879	EA	7,100 Lumens, 55 Watt, 80 Degree Light Pattern, 4' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL4N/UNV1 S903 TF P EM1)	1,658.48	57.69
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-43.63*	
		For >100 To 250, Deduct	*-85.09*	
		For >250 To 500, Deduct	*-165.85*	
		For >500, Deduct	*-246.61*	
26 51 19 00-0880	EA	Track Lighting Surface Mount Ceiling (WAC Lighting WT8-WT With WEDX-WT)	329.15	22.63
		For >50 To 100, Deduct	*-9.08*	
		For >100 To 250, Deduct	*-17.30*	
		For >250 To 500, Deduct	*-32.92*	
		For >500, Deduct	*-48.53*	
		For 120 Volt, WAC Lighting 6.75" Length Left Live End Connector For W-Track Systems, Add	*60.00*	
26 51 19 00-0881	EA	Track Lighting Head LED 4,570 Lumens, 3000K (WAC Lighting WTK -4023-30-WT With FP-K-WT)	465.77	22.63
		For >50 To 100, Deduct	*-12.49*	
		For >100 To 250, Deduct	*-24.14*	
		For >250 To 500, Deduct	*-46.58*	
		For >500, Deduct	*-69.02*	
		For WAC Lighting Track Lighting Adjustable Projector For WAC Track Heads, Add	*111.69*	
26 51 19 00-0882	EA	4' Length, 3,000 Lumens, 3500K CCT, Low Profile, LED Wraparound Linear Fixture (Lithonia BLWP4 30LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO/RES7)	178.93	45.31
		For >50 To 100, Deduct	*-6.18*	
		For >100 To 250, Deduct	*-10.65*	
		For >250 To 500, Deduct	*-17.89*	
		For >500, Deduct	*-25.14*	
26 51 19 00-0883	EA	4' Length, 4,000 Lumens, 3500K CCT, Low Profile, LED Wraparound Linear Fixture (Lithonia BLWP4 4000LMHE ADSMT EZ1 LP835 NLTAIR2 RIO/RES7)	216.06	45.31
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-12.51*	
		For >250 To 500, Deduct	*-21.61*	
		For >500, Deduct	*-30.71*	
26 51 19 00-0884	EA	4' Length, 3,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 3000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	298.06	45.31
		For >50 To 100, Deduct	*-9.15*	
		For >100 To 250, Deduct	*-16.61*	
		For >250 To 500, Deduct	*-29.81*	
		For >500, Deduct	*-43.01*	
26 51 19 00-0885	EA	4' Length, 5,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 5000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	316.82	45.31
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 250, Deduct	*-17.54*	
		For >250 To 500, Deduct	*-31.68*	
		For >500, Deduct	*-45.82*	
26 51 19 00-0886	EA	4' Length, 1,600 Lumens, 3500K CCT, Slot Wall Indirect/Direct Linear Fixture (Mark Lighting S4LWID LCB 4FT MSL4 80CRI 35K 400LMF I80CRI I35K I600LMF MIN1 MVOLT WHTT NLTAIR2)	498.31	45.31
		For >50 To 100, Deduct	*-14.16*	
		For >100 To 250, Deduct	*-26.62*	
		For >250 To 500, Deduct	*-49.83*	
		For >500, Deduct	*-73.04*	
26 51 19 00-0887	EA	6,000 Lumens, 8' Length, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L96 6000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	446.54	53.60
		For >50 To 100, Deduct	*-13.18*	
		For >100 To 250, Deduct	*-24.34*	
		For >250 To 500, Deduct	*-44.65*	
		For >500, Deduct	*-64.97*	
26 51 19 00-0888	EA	4' Length, 3,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 3000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 MB)	298.06	45.31
		For >50 To 100, Deduct	*-9.15*	
		For >100 To 250, Deduct	*-16.61*	
		For >250 To 500, Deduct	*-29.81*	
		For >500, Deduct	*-43.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0889	EA	8' Length, 6,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L96 6000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 MB)	446.54	53.60
		For >50 To 100, Deduct	*-13.18*	
		For >100 To 250, Deduct	*-24.34*	
		For >250 To 500, Deduct	*-44.65*	
		For >500, Deduct	*-64.97*	
26 51 19 00-0890	EA	2' x 2', 4,000 Lumens, 35000K CCT, LED Flat Panel (Lithonia EPANL 2x2 4000LM 80CRI 35K MIN10 EZT MVOLT NLTAIR2 RIO/RES7)	167.68	49.52
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-10.24*	
		For >250 To 500, Deduct	*-16.77*	
		For >500, Deduct	*-23.30*	
26 51 19 00-0891	EA	6" Round, 1,000 Lumens, 3500K CCT, Open And Wallwash LED Recessed Can (Lithonia LDN6 35/10 LR 8 AR LD MVOLT EZ1 NLTAIR2)	252.65	59.61
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-14.87*	
		For >250 To 500, Deduct	*-25.27*	
		For >500, Deduct	*-35.66*	
26 51 19 00-0892	EA	6" Round, 1,500 Lumens, 3500K CCT, Open And Wallwash LED Recessed Can (Lithonia LDN6 35/15 LR 8 AR LD MVOLT EZ1 NLTAIR2)	297.00	59.61
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-17.09*	
		For >250 To 500, Deduct	*-29.70*	
		For >500, Deduct	*-42.31*	
26 51 19 00-0893	EA	15,0000 Lumens, 3500K CCT, 10" Diameter, 30" Cylinder, LED Pendant Mount (Prescolite MC10LED-p-15L-35K-9-120V-2DM-FL35-30-BL)	505.98	63.14
		For >50 To 100, Deduct	*-15.28*	
		For >100 To 250, Deduct	*-27.93*	
		For >250 To 500, Deduct	*-50.60*	
		For >500, Deduct	*-73.27*	
26 51 19 00-0894	EA	14 Watt, LED Sconce (RAB HALV 10L 935 F S)	402.47	54.19
		For >50 To 100, Deduct	*-12.09*	
		For >100 To 250, Deduct	*-22.16*	
		For >250 To 500, Deduct	*-40.25*	
		For >500, Deduct	*-58.34*	
26 51 19 00-0895	EA	11" Diameter, 1,300 Lumens, 3500K CCT, LED SlimForm Surface Mount Fixture (Juno JSF 11IN 13LM 35K 90CRI MVOLT ZT WH)	154.07	54.19
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 500, Deduct	*-15.41*	
		For >500, Deduct	*-21.08*	
26 51 19 00-0896	EA	13" Diameter, 4000K CCT, LED Surface Mount Fixture (Lithonia JSF 13IN 18LM 40K 90CRI MVOLT ZT WH)	184.87	54.19
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.49*	
		For >500, Deduct	*-25.70*	
26 51 19 00-0897	EA	13" Diameter, 3500K CCT, LED Surface Mount Fixture (Lithonia JSF 13IN 18LM 35K 90CRI MVOLT ZT WH)	185.86	54.19
		For >50 To 100, Deduct	*-6.68*	
		For >100 To 250, Deduct	*-11.33*	
		For >250 To 500, Deduct	*-18.59*	
		For >500, Deduct	*-25.85*	
26 51 19 00-0898	EA	12" x12", 1,300 Lumnes, 4000K CCT, LED Square SlimForm Surface Mount Fixture (Juno JSFSQ 12IN 13LM 40K 90CRI MVOLT ZT WH)	180.11	64.35
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.44*	
		For >250 To 500, Deduct	*-18.01*	
		For >500, Deduct	*-24.58*	
26 51 19 00-0899	EA	41 Watt, 3500K CCT, Wall Wash LED Track Lighting Head (Juno T259L G2 35K 80CRI PDIM WH)	496.17	22.63
		For >50 To 100, Deduct	*-13.25*	
		For >100 To 250, Deduct	*-25.66*	
		For >250 To 500, Deduct	*-49.62*	
		For >500, Deduct	*-73.58*	
26 51 19 00-0900	EA	4' Length, 4,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L48 4000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RIO)	488.53	111.42
		For >50 To 100, Deduct	*-16.86*	
		For >100 To 250, Deduct	*-29.07*	
		For >250 To 500, Deduct	*-48.85*	
		For >500, Deduct	*-68.64*	
26 51 19 00-0901	EA	4' Length, 4,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L48 4000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RESB0R10)	488.53	111.42
		For >50 To 100, Deduct	*-16.86*	
		For >100 To 250, Deduct	*-29.07*	
		For >250 To 500, Deduct	*-48.85*	
		For >500, Deduct	*-68.64*	
26 51 19 00-0902	EA	8' Length, 9,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L96 9000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RIO)	636.30	111.42
		For >50 To 100, Deduct	*-20.55*	
		For >100 To 250, Deduct	*-36.46*	
		For >250 To 500, Deduct	*-63.63*	
		For >500, Deduct	*-90.80*	
26 51 19 00-0903	EA	8' Length, 9,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L96 9000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RESB0R10)	636.30	111.42
		For >50 To 100, Deduct	*-20.55*	
		For >100 To 250, Deduct	*-36.46*	
		For >250 To 500, Deduct	*-63.63*	
		For >500, Deduct	*-90.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0904	EA	4,000 Lumens, 34 Watt, 2 Light Squares, LED Wall Mount Fixture (McGraw Edison GWC - AF - 02 - LED - E1 - T4W - BZ- 600 - MS/DIM-L8)	847.96	99.04
		For >50 To 100, Deduct	*-26.15*	
		For >100 To 250, Deduct	*-47.35*	
		For >250 To 500, Deduct	*-84.80*	
		For >500, Deduct	*-122.24*	
26 51 19 00-0905	EA	1' x 4', 40 Watt, LED Flat Panel Direct/Indirect Light Suspension Mount (LumeGen LG-UDPL-40W-30K)	116.24	44.71
		For >50 To 100, Deduct	*-4.77*	
		For >100 To 250, Deduct	*-7.67*	
		For >250 To 500, Deduct	*-11.62*	
		For >500, Deduct	*-15.57*	
26 51 19 00-0906	EA	1,600 Lumens, Pendant Mounted LED Round Downlight With Aluminum Reflector (Edison Price FH-PM-XTM-L16S-35K-DMV-277-WHT-WW-VSM-36PX-UNIT/CPY)	1,940.67	126.28
		For >50 To 100, Deduct	*-53.78*	
		For >100 To 250, Deduct	*-102.30*	
		For >250 To 500, Deduct	*-194.07*	
		For >500, Deduct	*-285.84*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	508.38	144.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	529.74	153.36
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	555.89	175.04
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	517.63	144.42
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	533.65	153.36
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	569.21	175.04
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	532.30	131.97
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	546.74	140.14
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	578.85	159.94
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	526.84	131.97
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	540.46	140.14
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	583.70	159.94
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	487.84	140.14
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	526.17	159.94
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	772.71	168.24
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0025 Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	453.90	140.14
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	496.90	159.94
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	654.48	168.24
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0029 Induction, High Bay Fixtures *(26 51 23 00-0020)*

26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	555.10	122.56
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	595.50	126.65
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	606.42	130.74
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	660.96	134.82
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	677.77	138.90
		For Impact Resistant Silicon Lens, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	596.39	122.56
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	636.79	126.65
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	647.71	130.74
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	702.25	134.82
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	719.06	138.90
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		**Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		**High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	416.91	93.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	718.14	93.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	825.03	93.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,103.01	93.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	333.48	93.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	351.20	104.18
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	373.75	112.85
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	420.26	134.40
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0052		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	174.55	39.02
		For ICAT Housing, Add	*15.00*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	182.32	39.02
		For ICAT Housing, Add	*16.01*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	191.50	40.64
		For ICAT Housing, Add	*16.84*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	198.45	42.41
		For ICAT Housing, Add	*17.39*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	205.33	44.16
		For ICAT Housing, Add	*17.92*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	211.45	46.88
		For ICAT Housing, Add	*18.19*	
26 51 23 00-0059		**Metal Halide Track Lighting Fixtures** *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	113.48	22.63
26 51 23 00-0061		**Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	183.73	54.19
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	188.97	54.19
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	199.61	54.19
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	215.62	54.19
		For Wall Mounted, Add	*6.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	171.26	54.19
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	177.77	54.19
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	202.93	54.19
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		Accessories And Modifiers For Fixtures *(26 51 33)*		
26 51 33 00-0002		Lens Modifications *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	39.80	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	49.17	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	51.51	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	56.19	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	67.89	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	16.39	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	23.41	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.75	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	30.44	
26 51 33 00-0012		Pendant Mounting Modifications *(26 51 33 00-0001)*		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.79	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.60	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	26.36	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	31.14	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	39.33	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	53.38	
26 51 33 00-0019		Fluorescent Light Accessories *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.91	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	180.25	
26 51 33 00-0022	EA	Factory Installed Inboard/Outboard Switching And Ballast	120.54	
26 51 33 00-0023		Wire Guards *(26 51 33 00-0001)*		
26 51 33 00-0024	EA	Wire Guard for 6" x 2' Fixture	76.17	6.78
26 51 33 00-0025	EA	Wire Guard for 6" x 4' Fixture	106.84	10.87
26 51 33 00-0026	EA	Wire Guard for 1" x 2' Fixture	85.04	7.47
26 51 33 00-0027	EA	Wire Guard for 1" x 4' Fixture	120.72	11.54
26 51 33 00-0028	EA	Wire Guard for 2" x 2' Fixture	103.91	8.14
26 51 33 00-0029	EA	Wire Guard for 2" x 4' Fixture	142.10	12.22
26 51 33 00-0030		Lighting Accessories *(26 51 33)*		
26 51 33 00-0031		Modular Flexible Wiring Systems *(26 51 33 00-0030)*		
26 51 33 00-0032	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	109.98	7.31
26 51 33 00-0033	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	129.98	7.31
26 51 33 00-0034	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	157.21	7.31
26 51 33 00-0035	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	129.98	7.31
26 51 33 00-0036	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	108.50	7.31
26 51 33 00-0037	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	163.33	7.31
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	88.70	7.31
26 51 33 00-0039	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	100.83	7.31
26 51 33 00-0040	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	131.40	7.31
26 51 33 00-0041	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	131.40	7.31
26 51 33 00-0042	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	133.69	7.31
26 51 33 00-0043	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	132.84	7.31
26 51 33 00-0044	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	132.84	7.31
26 51 33 00-0045	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	153.25	7.31
26 51 33 00-0046	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	68.34	7.31
26 51 33 00-0047	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	63.58	7.31
26 51 33 00-0048	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	65.24	7.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0049	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	82.90	7.31
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	109.98	7.31
26 51 33 00-0051	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	112.85	7.31
26 51 33 00-0052	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	87.29	7.31
26 51 33 00-0053	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	63.58	7.31
26 51 33 00-0054	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	60.96	

26 51 33 00-0055 Additional Lighting Wire Whips *(26 51 33)*

26 51 33 00-0056	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.95	

26 51 33 00-0057 Removal And Reinstallation Of Light Fixtures *(26 51 33)*

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 33 00-0058	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	144.23	
26 51 33 00-0059	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	164.83	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 Commercial Emergency Lights *(26 52 13 13)*

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	264.15	33.87
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	181.60	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	289.63	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	338.54	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	506.60	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	574.83	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	840.63	33.87
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	179.02	20.32
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	180.25	20.32
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	184.38	20.32
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	183.71	20.32
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	158.37	20.32
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	108.07	20.32

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	469.48	33.87
		For Wireguard, Add	*241.72*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	393.15	33.87
		For Wireguard, Add	*241.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	616.23	33.87
		For Wireguard, Add	*241.72*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	654.73	33.87
		For Wireguard, Add	*241.72*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	937.07	33.87
		For Wireguard, Add	*257.45*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,477.19	33.87
		For Wireguard, Add	*257.45*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	137.06	20.32
		For Wireguard, Add	*195.07*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	141.86	20.32
		For Wireguard, Add	*195.07*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	137.73	20.32
		For Wireguard, Add	*195.07*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	138.51	20.32
		For Wireguard, Add	*195.07*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	141.86	20.32
		For Wireguard, Add	*195.07*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	166.18	20.32
		For Wireguard, Add	*195.07*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	463.35	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	504.08	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	492.92	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	521.38	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	881.83	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	691.56	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	775.26	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	817.66	33.87
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	118.65	20.32
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	128.35	20.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	118.76	20.32
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	125.90	20.32
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	107.55	20.32
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	732.29	33.87
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	874.58	33.87
26 52 13 13-0053		Recessed Emergency Lights *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	798.47	33.87
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	626.75	67.74
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*257.45*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	902.51	67.74
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*257.45*	
26 52 13 13-0057		Square Wraparound Emergency Lights *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	363.54	33.87
26 52 13 16		**Exit Signs** *(26 52 13)*		
		Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs *(26 52 13 16)*		
		Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	211.88	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-13.07*	
		For >250 To 500, Deduct	*-21.19*	
		For >500, Deduct	*-29.31*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	211.88	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 250, Deduct	*-13.07*	
		For >250 To 500, Deduct	*-21.19*	
		For >500, Deduct	*-29.31*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	296.30	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.88*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-29.63*	
		For >500, Deduct	*-41.97*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	296.30	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.88*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-29.63*	
		For >500, Deduct	*-41.97*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	326.46	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.64*	
		For >100 To 250, Deduct	*-18.80*	
		For >250 To 500, Deduct	*-32.65*	
		For >500, Deduct	*-46.49*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	370.46	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-21.00*	
		For >250 To 500, Deduct	*-37.05*	
		For >500, Deduct	*-53.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	308.07	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.18*	
		For >100 To 250, Deduct	*-17.88*	
		For >250 To 500, Deduct	*-30.81*	
		For >500, Deduct	*-43.73*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	340.01	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-19.48*	
		For >250 To 500, Deduct	*-34.00*	
		For >500, Deduct	*-48.53*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	392.11	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-13.19*	
		For >100 To 250, Deduct	*-22.99*	
		For >250 To 500, Deduct	*-39.21*	
		For >500, Deduct	*-55.43*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	359.17	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.37*	
		For >100 To 250, Deduct	*-21.35*	
		For >250 To 500, Deduct	*-35.92*	
		For >500, Deduct	*-50.49*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights.	491.75	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.68*	
		For >100 To 250, Deduct	*-27.97*	
		For >250 To 500, Deduct	*-49.18*	
		For >500, Deduct	*-70.38*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) Note: Includes two circular side mounted PAR 36 emergency lights.	514.94	49.52
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-16.26*	
		For >100 To 250, Deduct	*-29.13*	
		For >250 To 500, Deduct	*-51.49*	
		For >500, Deduct	*-73.85*	
26 52 13 16-0014	EA	Double Face, Damp Location, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LE-S-2-R-120/277-EL-N-SD) Note: Includes fire alarm flashing interface.	380.97	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-12.00*	
		For >100 To 250, Deduct	*-21.52*	
		For >250 To 500, Deduct	*-38.10*	
		For >500, Deduct	*-54.67*	
26 52 13 16-0015	EA	Single Face, NEMA 4X All-Conditions/Vandal Resistant, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LV-S-W-1-R-120/277-EL-N) Note: Includes fire alarm flashing interface.	842.45	49.52
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-23.54*	
		For >100 To 250, Deduct	*-44.60*	
		For >250 To 500, Deduct	*-84.25*	
		For >500, Deduct	*-123.89*	
26 52 13 16-0016	EA	Single Face, Polycarbonate Housing, LED Exit Sign With Battery Back-Up (Cooper Sure-Lites LPX)	504.70	49.52
		For >50 To 100, Deduct	*-16.00*	
		For >100 To 250, Deduct	*-28.62*	
		For >250 To 500, Deduct	*-50.47*	
		For >500, Deduct	*-72.32*	
26 52 13 16-0017	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	140.78	49.52
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-9.51*	
		For >250 To 500, Deduct	*-14.08*	
		For >500, Deduct	*-18.64*	
26 52 13 16-0018	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	141.32	49.52
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-9.54*	
		For >250 To 500, Deduct	*-14.13*	
		For >500, Deduct	*-18.72*	

26 52 13 16-0019 Edge-Lit LED Exit Signs *(26 52 13 16)*
Note: Includes red LED lamps.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0020	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	290.92	49.52
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.75*	
		For >100 To 250, Deduct	*-17.02*	
		For >250 To 500, Deduct	*-29.09*	
		For >500, Deduct	*-41.16*	
26 52 13 16-0021	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	293.97	49.52
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.83*	
		For >100 To 250, Deduct	*-17.17*	
		For >250 To 500, Deduct	*-29.40*	
		For >500, Deduct	*-41.62*	
26 52 13 16-0022	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	314.58	49.52
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.34*	
		For >100 To 250, Deduct	*-18.20*	
		For >250 To 500, Deduct	*-31.46*	
		For >500, Deduct	*-44.71*	
26 52 13 16-0023	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	376.18	49.52
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.88*	
		For >100 To 250, Deduct	*-21.28*	
		For >250 To 500, Deduct	*-37.62*	
		For >500, Deduct	*-53.95*	

26 52 13 16-0024 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0025	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	621.30	49.52
		For >50 To 100, Deduct	*-18.01*	
		For >100 To 250, Deduct	*-33.54*	
		For >250 To 500, Deduct	*-62.13*	
		For >500, Deduct	*-90.72*	
26 52 13 16-0026	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,143.01	49.52
		For >50 To 100, Deduct	*-31.05*	
		For >100 To 250, Deduct	*-59.63*	
		For >250 To 500, Deduct	*-114.30*	
		For >500, Deduct	*-168.98*	
26 52 13 16-0027	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	740.15	49.52
		For >50 To 100, Deduct	*-20.98*	
		For >100 To 250, Deduct	*-39.48*	
		For >250 To 500, Deduct	*-74.02*	
		For >500, Deduct	*-108.55*	
26 52 13 16-0028	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,238.42	49.52
		For >50 To 100, Deduct	*-33.44*	
		For >100 To 250, Deduct	*-64.40*	
		For >250 To 500, Deduct	*-123.84*	
		For >500, Deduct	*-183.29*	
26 52 13 16-0029	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	680.44	49.52
		For >50 To 100, Deduct	*-19.49*	
		For >100 To 250, Deduct	*-36.50*	
		For >250 To 500, Deduct	*-68.04*	
		For >500, Deduct	*-99.59*	
26 52 13 16-0030	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,238.42	49.52
		For >50 To 100, Deduct	*-33.44*	
		For >100 To 250, Deduct	*-64.40*	
		For >250 To 500, Deduct	*-123.84*	
		For >500, Deduct	*-183.29*	
26 52 13 16-0031	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	835.00	49.52
		For >50 To 100, Deduct	*-23.35*	
		For >100 To 250, Deduct	*-44.23*	
		For >250 To 500, Deduct	*-83.50*	
		For >500, Deduct	*-122.77*	
26 52 13 16-0032	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,537.50	49.52
		For >50 To 100, Deduct	*-40.91*	
		For >100 To 250, Deduct	*-79.35*	
		For >250 To 500, Deduct	*-153.75*	
		For >500, Deduct	*-228.15*	

26 52 13 16-0033 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0034	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	586.14	49.52
		For >50 To 100, Deduct	*-17.13*	
		For >100 To 250, Deduct	*-31.78*	
		For >250 To 500, Deduct	*-58.61*	
		For >500, Deduct	*-85.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0035	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	909.21	49.52
		For >50 To 100, Deduct	*-25.21*	
		For >100 To 250, Deduct	*-47.94*	
		For >250 To 500, Deduct	*-90.92*	
		For >500, Deduct	*-133.91*	
26 52 13 16-0036	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,107.30	49.52
		For >50 To 100, Deduct	*-30.16*	
		For >100 To 250, Deduct	*-57.84*	
		For >250 To 500, Deduct	*-110.73*	
		For >500, Deduct	*-163.62*	

26 52 13 16-0037 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0038	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	101.61	
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 250, Deduct	*-7.62*	
		For >250 To 500, Deduct	*-10.16*	
		For >500, Deduct	*-12.70*	

26 52 13 16-0039 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0040	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	138.73	13.58
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-7.62*	
		For >250 To 500, Deduct	*-13.87*	
		For >500, Deduct	*-20.13*	
26 52 13 16-0041	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	80.98	13.58
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-8.10*	
		For >500, Deduct	*-11.47*	
26 52 13 16-0042	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	129.37	10.87
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-7.01*	
		For >250 To 500, Deduct	*-12.94*	
		For >500, Deduct	*-18.86*	
26 52 13 16-0043	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	138.72	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-7.78*	
		For >250 To 500, Deduct	*-13.87*	
		For >500, Deduct	*-19.96*	

26 54 Classified Location Lighting *(26 50)*

26 54 13 Incandescent Classified Location Lighting *(26 54)*

26 54 13 00-0001 Class II Division I, Explosion Proof Fixtures *(26 54 13)*

26 54 13 00-0002	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	397.48	176.66
26 54 13 00-0003	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	402.65	176.66
26 54 13 00-0004	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	452.87	176.66
26 54 13 00-0005	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	435.74	176.66
26 54 13 00-0006	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	443.43	176.66
26 54 13 00-0007	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	498.81	176.66

26 54 13 00-0008 Class I, Division I, Hazardous Location Fixtures *(26 54 13)*

26 54 13 00-0009 Class I Division I Fixtures Accessories *(26 54 13 00-0008)*

26 54 13 00-0010	EA	Appleton AALB-75, Long Mounting Hood	163.57	18.81
26 54 13 00-0011	EA	Appleton AAC-75, Ceiling Mounting Hood	121.27	18.81
26 54 13 00-0012	EA	Appleton AAP-75, Pendent Mounting Hood	65.14	18.81
26 54 13 00-0013	EA	Appleton AAGU-1, Aluminum Lens Guard	36.36	7.56
26 54 13 00-0014	EA	Flexible Hanger Coupling (Appleton #EXJF28)	196.49	18.81
26 54 13 00-0015	EA	Conduit Outlet Box (Appleton #GRUE75-A)	72.22	18.81
26 54 13 00-0016	EA	Rigid Fixture Hanger (Appleton #CPU20-75)	99.39	18.81
26 54 13 00-0017	EA	150 Watt High Intensity Discharge (HID) Fixture, Appleton KPBU150L-MT	1,333.94	158.59
26 54 13 00-0018	EA	Appleton KPA-75, Pendant Mounting Hood	110.41	18.81
26 54 13 00-0019	EA	Appleton KPC-75, Ceiling Mounting Hood	109.85	18.81

26 54 13 00-0020 Exit And Emergency Fixtures, Battery Powered, Class I Division I *(26 54 13 00-0008)*

Note: Includes fixtures, batteries, directional heads and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0021	EA	Halogen /HIT 12 Volt/25 Watt Pendant Mount Fixture For Use With Battery Unit (Remote Or Local), Class I Division I (Emergi-Lite EFEP)	2,004.97	115.95
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
		For Globe Guard, Add	*107.04*	
		For Dome Reflector, Add	*225.98*	
		For Dome Angle Reflector, Add	*225.98*	
26 54 13 00-0022	EA	Incandescent/Halogen/HIT 12 Volt/25 Watt Pendant Mount Exit Light Fixture For Use With Battery Unit (Remote Or Local), Single Face, Class I Division I (Emergi-Lite EFXP)	2,453.64	115.95
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
26 54 13 00-0023	EA	12 Volt / 36 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,725.31	115.95
26 54 13 00-0024	EA	12 Volt / 50 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,732.09	120.03
26 54 13 00-0025	EA	12 Volt / 72 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,738.88	124.23

26 54 13 00-0026 Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0027	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,631.49	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0028	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,666.20	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0029	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,703.39	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0030	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,745.52	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0031	EA	50 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,413.26	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0032	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,430.61	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0033	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,566.99	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0034	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,757.90	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0035 Accessories For Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0036	EA	Globe Guard For Up To 175 Watt, Code Master Jr.	59.52	
26 54 13 00-0037	EA	Globe Reflector, Code Master Jr.	101.68	
26 54 13 00-0038	EA	Angle Globe Reflector, Code Master Jr.	96.72	

26 54 13 00-0039 Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0040	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,857.16	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0041	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,899.31	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0042	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,976.18	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0043	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,048.07	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0044	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,283.60	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0045	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,645.62	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0046	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,060.45	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0047	EA	250 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,283.60	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0048	EA	400 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,645.62	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0049 Accessories For Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0050	EA	Globe Guard For Up To 175 Watt, Code Master 2	59.52	
26 54 13 00-0051	EA	Globe Guard For 250 To 400 Watt, Code Master 2	91.76	
26 54 13 00-0052	EA	Globe Reflector, Code Master 2	136.39	
26 54 13 00-0053	EA	Angle Globe Reflector, Code Master 2	136.39	

26 54 13 00-0054 Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0055	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,499.67	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0056	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,527.19	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0057	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,579.90	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0058	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,655.13	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0059	EA	200 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,744.89	152.89
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0060	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,845.43	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0061	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	2,118.51	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0062	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,377.60	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0063	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,427.05	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0064	EA	175 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,457.95	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0065	EA	250 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,821.32	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0066	EA	400 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,941.17	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0067 Accessories For Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0068	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVM	48.21
26 54 13 00-0069	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVM	75.70
26 54 13 00-0070	EA	Dome Reflector, Crouse-Hinds - EVM	113.01
26 54 13 00-0071	EA	Angle Reflector, Crouse-Hinds - EVM	113.01

26 54 13 00-0072 Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0073	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	884.25	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0074	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	852.25	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0075	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	976.01	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0076	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,140.96	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0077	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I, Crouse-Hinds EVLP	1,207.56	152.89
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0078	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,277.89	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0079	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,460.21	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0080	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	873.90	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0081	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	944.01	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0082	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	977.38	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0083	EA	100 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	996.67	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0084	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,030.64	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0085	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,433.35	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0086	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,438.17	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0087 Accessories For Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0088	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVLP	48.21	
26 54 13 00-0089	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVLP	75.70	
26 54 13 00-0090	EA	Dome Reflector, Crouse-Hinds - EVLP	113.01	
26 54 13 00-0091	EA	Angle Reflector, Crouse-Hinds - EVLP	113.01	

26 54 13 00-0092 Class I, Division II, Hazardous Location Fixtures *(26 54 13)*

26 54 13 00-0093 Pendant Mount Mercmaster III *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0094	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	972.97	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0095	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,072.54	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0096	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,129.26	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0097	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,157.08	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0098	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,475.63	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0099	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,712.06	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0100	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	949.63	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0101	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	980.58	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0102	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,429.36	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0103	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,662.99	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0104	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,346.09	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0105	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,702.02	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0106	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,978.02	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0107 Pendant Mount Mercmaster III Low Profile *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0108	EA	35 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	648.97	112.65
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0109	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	669.15	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0110	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	729.86	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0111	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	771.90	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0112	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	840.34	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0113	EA	50 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	682.85	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0114	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	719.58	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0115	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	781.19	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0116	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	980.39	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0117 Accessories For Mercmaster III And Mercmaster III Low Profile *(26 54 13 00-0092)*

26 54 13 00-0118	EA	Cone-Type Pendent, Mercmaster III And Mercmaster III Low Profile	92.93	
26 54 13 00-0119	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	46.47	
26 54 13 00-0120	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	197.41	
26 54 13 00-0121	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	69.55	
26 54 13 00-0122	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	113.01	
26 54 13 00-0123	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 50 To 250 Watt	78.42	
26 54 13 00-0124	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 400 Watt	113.01	
26 54 13 00-0125	EA	Refractor Guard, Mercmaster	67.13	
26 54 13 00-0126	EA	Dome And Angle Refractor, Mercmaster	113.01	
26 54 13 00-0127	EA	Refractor Glass Mercmaster Up To 100 Watt	151.78	
26 54 13 00-0128	EA	Refractor Glass Mercmaster 175 Watt	151.98	
26 54 13 00-0129	EA	Refractor Glass Up To 250 Watt Metal Halide, Mercmaster	151.78	
26 54 13 00-0130	EA	Refractor Glass For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	78.11	
26 54 13 00-0131	EA	Refractor Guard Up To 250 Watt Metal Halide, Mercmaster	67.13	
26 54 13 00-0132	EA	Refractor Guard For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	86.03	
26 54 13 00-0133	EA	Reflector / Refractor For Mercmaster III	113.01	
26 54 13 00-0134	EA	Appleton KPWB-75, Wall Mount	195.20	18.81
26 54 13 00-0135	EA	Appleton KGU2, Aluminum Lens Guard	81.67	7.56

26 54 13 00-0136 Pendant Mount Crouse-Hinds EV Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0137	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,129.44	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0138	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,181.58	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0139	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,361.63	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0140	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,012.50	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0141	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,092.04	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0142	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,132.75	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0143	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,240.33	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0144	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,393.91	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0145 Pendant Mount VMV Champ Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0146	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,017.61	117.61
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0147	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,005.44	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0148	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,036.10	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0149	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,087.98	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0150	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,339.66	152.89
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0151	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,550.40	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0152	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,575.16	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0153	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	837.96	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0154	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	872.70	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0155	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	919.37	144.84
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0156	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,408.50	160.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0157	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,950.47	177.03
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0158		Pendant Mount DMV Champ Series *(26 54 13 00-0092)*		
		Note: With globe, Class I Division II.		
26 54 13 00-0159	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	731.64	120.70
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0160	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	755.56	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0161	EA	100 Watt Metal Halide Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	661.05	128.75
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0162	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	748.24	136.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 16		**Fluorescent Classified Location Lighting** *(26 54)*		
26 54 16 00-0001		Class I Division I, Explosion Proof Fixtures *(26 54 16)*		
		Note: Pendant or ceiling mount.		
26 54 16 00-0002	EA	2 - 40 Watt 430mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	6,266.31	206.12
26 54 16 00-0003	EA	4 - 60 Watt 8000mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	11,384.90	206.00
26 54 16 00-0004		Class I, Division I, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0005		4' Fluorescent Pendant Mount, Class I Division I *(26 54 16 00-0004)*		
26 54 16 00-0006	EA	4' Fluorescent Fixture, 40W Rapid Start (Appleton #ARS240-118ESB)	5,075.20	158.59
26 54 16 00-0007	EA	4' Fluorescent Fixture, 40 Watt Biaxial Combination (Appleton #APL240-120)	3,275.46	158.59
26 54 16 00-0008	EA	4' Fluorescent Fixture, 60W Rapid Start (Appleton #AH260-118)	6,080.35	158.59
26 54 16 00-0009		Class I, Division II, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0010		4' Industrial Fluorescent *(26 54 16 00-0009)*		
		Note: Class I Division II.		
26 54 16 00-0011		Day-Brite Dust Tite, 4' Industrial Fluorescent *(26 54 16 00-0010)*		
		Note: Class I, Division II. Tempered glass lens.		
26 54 16 00-0012	EA	Two T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,229.51	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0013	EA	Three T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,292.51	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0014	EA	Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,198.20	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0015	EA	Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,260.31	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0016	EA	High Output Ballast With Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,339.18	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0017	EA	High Output Ballast With Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,584.71	158.59
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0018		Appleton Non-Metallic Body, FV Series 4' Industrial Fluorescent *(26 54 16 00-0010)*		
		Note: Class I, Division II. Polycarbonate lens.		
26 54 16 00-0019	EA	Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,373.63	158.59
26 54 16 00-0020	EA	Three T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,437.97	158.59
26 54 16 00-0021	EA	Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,341.19	158.59
26 54 16 00-0022	EA	High Output Ballast With Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,426.66	158.59
26 54 16 00-0023	EA	High Output Ballast With Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,456.75	158.59
26 54 16 00-0024		Dust Ignition Proof Fluorescent Fixtures *(26 54 16)*		
26 54 16 00-0025		Heavy-Duty Glass Lamp *(26 54 16 00-0024)*		
26 54 16 00-0026	EA	1 40 Watt Fluorescent Lamp, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,171.61	219.25
26 54 16 00-0027	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,378.66	239.43
26 54 16 00-0028	EA	4 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,835.48	312.85
26 54 16 00-0029		Heavy-Duty Glass Lamp With Heat Resistant Glass Door *(26 54 16 00-0024)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 16 00-0030	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture With Heat Resistant Door	808.65	183.34

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,800.45	111.42
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-74.65*	
		For >100 To 250, Deduct	*-144.67*	
		For >250 To 500, Deduct	*-280.05*	
		For >500, Deduct	*-415.43*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,429.15	118.84
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-90.68*	
		For >100 To 250, Deduct	*-176.41*	
		For >250 To 500, Deduct	*-342.92*	
		For >500, Deduct	*-509.42*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,872.98	126.28
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-102.09*	
		For >100 To 250, Deduct	*-198.91*	
		For >250 To 500, Deduct	*-387.30*	
		For >500, Deduct	*-575.69*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,329.12	133.71
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-113.80*	
		For >100 To 250, Deduct	*-222.03*	
		For >250 To 500, Deduct	*-432.91*	
		For >500, Deduct	*-643.80*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,657.22	103.99
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-45.76*	
		For >100 To 250, Deduct	*-87.19*	
		For >250 To 500, Deduct	*-165.72*	
		For >500, Deduct	*-244.25*	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,632.04	103.99
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-70.13*	
		For >100 To 250, Deduct	*-135.94*	
		For >250 To 500, Deduct	*-263.20*	
		For >500, Deduct	*-390.47*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,915.16	111.42
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-77.52*	
		For >100 To 250, Deduct	*-150.40*	
		For >250 To 500, Deduct	*-291.52*	
		For >500, Deduct	*-432.63*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,266.22	118.84
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-86.61*	
		For >100 To 250, Deduct	*-168.26*	
		For >250 To 500, Deduct	*-326.62*	
		For >500, Deduct	*-484.98*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,254.48	126.28
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-111.62*	
		For >100 To 250, Deduct	*-217.99*	
		For >250 To 500, Deduct	*-425.45*	
		For >500, Deduct	*-632.91*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,880.90	133.71
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-127.59*	
		For >100 To 250, Deduct	*-249.62*	
		For >250 To 500, Deduct	*-488.09*	
		For >500, Deduct	*-726.56*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	7,123.93	111.42
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-182.74*	
		For >100 To 250, Deduct	*-360.84*	
		For >250 To 500, Deduct	*-712.39*	
		For >500, Deduct	*-1,063.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	8,685.18	118.84
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-222.08*	
		For >100 To 250, Deduct	*-439.21*	
		For >250 To 500, Deduct	*-868.52*	
		For >500, Deduct	*-1,297.82*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	10,105.81	126.28
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-257.91*	
		For >100 To 250, Deduct	*-510.55*	
		For >250 To 500, Deduct	*-1,010.58*	
		For >500, Deduct	*-1,510.61*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	11,552.71	133.71
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-294.39*	
		For >100 To 250, Deduct	*-583.21*	
		For >250 To 500, Deduct	*-1,155.27*	
		For >500, Deduct	*-1,727.34*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	13,405.06	128.75
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-341.01*	
		For >100 To 250, Deduct	*-676.13*	
		For >250 To 500, Deduct	*-1,340.51*	
		For >500, Deduct	*-2,004.88*	

26 54 23 HID Classified Location Lighting *(26 54)*

26 54 23 00-0001 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures *(26 54 23)*

26 54 23 00-0002 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures Without Reflector *(26 54 23 00-0001)*

26 54 23 00-0003	EA	100 Watt High Pressure Sodium High Intensity Discharge, Mogul Base, Industrial Lighting Fixture, Pendant Mounted, Without Reflector, Class I Division II	1,387.75	176.66
26 54 23 00-0004	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture Without Reflector	1,397.22	176.66

26 54 23 00-0005 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With Standard Reflector *(26 54 23 00-0001)*

26 54 23 00-0006	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,104.34	176.66
26 54 23 00-0007	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,435.09	176.66
26 54 23 00-0008	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,444.55	176.66

26 54 23 00-0009 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With 30 Degree Reflector *(26 54 23 00-0001)*

26 54 23 00-0010	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,109.08	176.66
26 54 23 00-0011	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,439.82	176.66
26 54 23 00-0012	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,449.29	176.66

26 54 23 00-0013 Mogul Base, Class I Division I, Explosion Proof Fixtures *(26 54 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 23 00-0014	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,206.49	176.66
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0015	EA	100 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,261.30	176.66
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0016	EA	150 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,321.28	176.66
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*
Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,687.26	115.15
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,700.81	121.93
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,714.35	128.70
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.21	135.48
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,687.26	115.15
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,700.81	121.93
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,714.35	128.70
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.21	135.48
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,687.26	115.15
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,700.81	121.93
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,714.35	128.70
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.21	135.48
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,687.26	115.15
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,700.81	121.93
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,714.35	128.70
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.21	135.48

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,622.66	115.15
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,636.21	121.93
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.75	128.70
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,522.01	135.48
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,622.66	115.15
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,636.21	121.93
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.75	128.70
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,522.01	135.48
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,622.66	115.15
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,636.21	121.93
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.75	128.70
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,522.01	135.48
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,622.66	115.15
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,636.21	121.93
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,649.75	128.70
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,522.01	135.48

26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*

26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,771.15	115.15
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,784.70	121.93
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,798.24	128.70
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,670.51	135.48
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,771.15	115.15
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,784.70	121.93
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,798.24	128.70
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,670.51	135.48
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,771.15	115.15
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,784.70	121.93
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,798.24	128.70
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,740.70	135.48

26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*

26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,705.95	115.15
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,719.50	121.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,733.04	128.70
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,605.31	135.48
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,705.95	115.15
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,719.50	121.93
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,733.04	128.70
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,605.31	135.48
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,705.95	115.15
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,719.50	121.93
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,733.04	128.70
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,605.31	135.48
26 55 13 00-0065	EA	47-1/4" Overall Height, 8-5/8" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard (Bega 9483MH)	4,025.62	270.95
26 55 13 00-0066		**Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0067		**Square, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0066)*		
26 55 13 00-0068	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,679.90	115.15
26 55 13 00-0069	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,693.45	121.93
26 55 13 00-0070	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,706.99	128.70
26 55 13 00-0071	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,581.18	135.48
26 55 13 00-0072	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,679.90	115.15
26 55 13 00-0073	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,693.45	121.93
26 55 13 00-0074	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,706.99	128.70
26 55 13 00-0075	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,581.18	135.48
26 55 13 00-0076	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,679.90	115.15
26 55 13 00-0077	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,693.45	121.93
26 55 13 00-0078	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,706.99	128.70
26 55 13 00-0079	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,581.18	135.48
26 55 13 00-0080		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0066)*		
26 55 13 00-0081	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,616.13	115.15
26 55 13 00-0082	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,629.68	121.93
26 55 13 00-0083	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,643.22	128.70
26 55 13 00-0084	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,518.63	135.48
26 55 13 00-0085	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,616.13	115.15
26 55 13 00-0086	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,629.68	121.93
26 55 13 00-0087	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,643.22	128.70
26 55 13 00-0088	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,518.63	135.48
26 55 13 00-0089	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,616.13	115.15
26 55 13 00-0090	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,629.68	121.93
26 55 13 00-0091	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,643.22	128.70
26 55 13 00-0092	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,518.63	135.48
26 55 13 00-0093		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0094		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0093)*		
26 55 13 00-0095	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,011.03	115.15
26 55 13 00-0096	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,024.58	121.93
26 55 13 00-0097	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	2,038.12	128.70
26 55 13 00-0098	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,914.07	135.48
26 55 13 00-0099	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,454.98	115.15
26 55 13 00-0100	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,468.53	121.93
26 55 13 00-0101	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,482.07	128.70
26 55 13 00-0102	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,355.81	135.48
26 55 13 00-0103		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0093)*		
26 55 13 00-0104	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,944.80	115.15
26 55 13 00-0105	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,958.35	121.93
26 55 13 00-0106	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,971.89	128.70
26 55 13 00-0107	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,845.63	135.48
26 55 13 00-0108	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,388.76	115.15
26 55 13 00-0109	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,402.31	121.93
26 55 13 00-0110	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,415.85	128.70
26 55 13 00-0111	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,290.37	135.48
26 55 13 00-0112		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0113	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,676.94	338.69
26 55 13 00-0114	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,942.43	451.55
26 55 13 00-0115		**Low Voltage** *(26 55 13)*		
26 55 13 00-0116	EA	Low Voltage Recessed Uplight	891.38	246.57
26 55 13 00-0117	EA	Low Voltage Walkway	630.01	135.48
26 55 13 00-0118	EA	Low Voltage Malibu - 5 Light Set	622.86	180.87
26 55 13 00-0119	EA	Low Voltage Mushroom 24" Pier	538.61	135.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0120		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0121	EA	150 Watt Incandescent Recessed, Adjustable	1,040.63	216.76
26 55 13 00-0122	EA	300 Watt Incandescent Recessed, Adjustable	1,138.56	216.76
26 55 13 00-0123		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0124	EA	50 Watt Incandescent Recessed Uplight	929.65	216.76
26 55 13 00-0125	EA	150 Watt Incandescent Recessed Uplight	949.24	216.76
26 55 13 00-0126	EA	300 Watt Incandescent Recessed Uplight	1,007.99	216.76
26 55 13 00-0127	EA	500 Watt Quartz Recessed Uplight	1,001.46	216.76
26 55 13 00-0128	EA	5 Watt, LED Recessed Uplight	1,243.93	216.76
26 55 13 00-0129	EA	15 Watt, LED Recessed Uplight	1,367.62	216.76
26 55 13 00-0130		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0131	EA	100 Watt Incandescent Recessed Wall Light	479.86	135.48
26 55 13 00-0132	EA	100 Watt Fluorescent Recessed Wall Light	460.27	135.48
26 55 13 00-0133	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	746.90	180.87
26 55 13 00-0134		**Step Lights** *(26 55 13)*		
26 55 13 00-0135	EA	Incandescent Step Light	392.95	108.38
26 55 13 00-0136	EA	Fluorescent Step Light	458.31	108.38
26 55 13 00-0137	EA	5 Watt, LED Step Light	682.64	108.38
26 55 13 00-0138	EA	15 Watt, LED Step Light	814.57	108.38
26 55 13 00-0139		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0140	EA	50 Watt Incandescent Tree Lights	831.77	180.87
26 55 13 00-0141	EA	100 Watt Incandescent Tree Lights	851.35	180.87
26 55 13 00-0142	EA	150 Watt Incandescent Tree Lights	1,064.18	270.95
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	434.43	125.99
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	669.05	198.07
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	707.20	205.25
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	760.16	213.10
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	814.73	230.31
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	728.34	213.10
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	730.27	198.07
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	745.40	205.25
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	584.56	141.17
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	616.38	141.17
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	648.21	141.17
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	731.71	158.91
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	556.01	126.81
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	609.35	198.07
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	642.30	205.25
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	687.07	213.10
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	737.31	230.31
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	662.21	213.10
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	657.18	198.07
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	672.15	205.25
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	518.43	141.17
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	543.29	141.17
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	568.15	141.17
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	641.21	158.91
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	559.66	126.81
26 55 16 00-0029		**Walkway, Adjustable** *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	628.64	180.87
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	644.34	180.87
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,096.66	270.95
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	522.16	135.48
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	543.09	135.48
26 55 16 00-0035		**LED Walkway** *(26 55 16)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	867.52	103.99
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	894.22	103.99
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	941.34	103.99
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	977.46	103.99
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,129.07	133.71
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,741.55	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,377.93	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,298.50	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	682.87	90.10
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	761.21	90.10
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,870.39	135.48
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	715.51	90.10
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	806.91	90.10
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	2,070.74	203.21
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	410.11	113.52
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	413.77	113.52
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	419.87	113.52
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	555.34	113.52
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	828.73	151.36
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	833.62	151.36
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	842.16	151.36
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	938.57	151.36
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	966.64	151.36
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	820.19	151.36
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	862.91	151.36
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	884.87	151.36
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0020)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	845.84	170.28
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	851.94	170.28
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	861.70	170.28
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	956.90	170.28
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	983.75	170.28
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	838.51	170.28
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	880.01	170.28
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	901.98	170.28
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,133.86	170.28
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,219.29	170.28
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,213.19	170.28
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,243.70	170.28
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,165.59	170.28
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,191.22	170.28
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,218.07	170.28
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,536.61	189.21
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,536.61	189.21
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,465.82	189.21
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)* Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,251.03	170.28
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,274.21	170.28
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,264.45	170.28
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	216.03	37.84
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	125.72	37.84
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	181.86	37.84
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	139.14	37.84
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	351.53	113.52
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	152.57	37.84
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	259.99	113.52
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	270.98	113.52
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	114.73	37.84
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	111.07	37.84
26 55 53 11-0064		**Flood Lights (Lithonia Contour Series)** *(26 55 53 11)*		
26 55 53 11-0065		**TFM (Small Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		**High Pressure Sodium TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	763.76	151.36
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	834.23	151.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	903.23	151.36
26 55 53 11-0070		**Metal Halide TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	989.35	151.36
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	972.38	151.36
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	945.04	151.36
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	943.02	151.36
26 55 53 11-0075		**Compact Fluorescent TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	982.32	151.36
26 55 53 11-0077		**TFL (Medium Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		**High Pressure Sodium TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,168.82	170.28
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,192.32	170.28
26 55 53 11-0081		**Metal Halide TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,116.00	170.28
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,116.00	170.28
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,152.85	170.28
26 55 53 11-0085		**TFR (Low Profile) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		**High Pressure Sodium TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,119.25	151.36
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,154.42	151.36
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,183.81	151.36
26 55 53 11-0090		**Metal Halide TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,107.48	151.36
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,142.71	151.36
26 55 53 11-0093		**TFA (Large Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		**High Pressure Sodium TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,169.73	189.21
26 55 53 11-0096		**Metal Halide TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,670.49	189.21
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,846.67	189.21
26 55 53 11-0099		**Accessories For Contour Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	186.42	37.84
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	359.36	37.84
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	153.79	37.84
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	206.63	37.84
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	461.93	113.52
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	368.42	113.52
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	368.42	113.52
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	405.71	113.52
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	178.39	37.84
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	142.56	37.84
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,198.08	151.36
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*63.18*	
		For >50 To 100, Deduct	*-37.52*	
		For >100 To 250, Deduct	*-67.47*	
		For >250 To 500, Deduct	*-119.81*	
		For >500, Deduct	*-172.14*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,489.24	166.88
			For >50 To 100, Deduct	*-45.58*	
			For >100 To 250, Deduct	*-82.81*	
			For >250 To 500, Deduct	*-148.92*	
			For >500, Deduct	*-215.04*	
	26 55 53 11-0113		**Flood Lights (Ruud)** *(26 55 53 11)*		
	26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
	26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
	26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	502.86	113.52
	26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	502.86	113.52
	26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	502.86	113.52
	26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	502.86	113.52
	26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	502.86	113.52
	26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
	26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	571.21	113.52
	26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	571.21	113.52
	26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	571.21	113.52
	26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
	26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	432.08	113.52
	26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	449.16	113.52
	26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	454.04	113.52
	26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	458.93	113.52
	26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
	26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
	26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	775.05	170.28
	26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	818.99	170.28
	26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	843.40	170.28
	26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
	26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	765.29	170.28
	26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	770.17	170.28
	26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	784.81	170.28
	26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
	26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	748.20	170.28
	26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
	26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
	26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	904.42	170.28
	26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	909.30	170.28
	26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,537.83	189.21
	26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
	26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	904.42	170.28
	26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	909.30	170.28
	26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	923.95	170.28
	26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,376.73	189.21
	26 55 53 11-0151		**MFS (Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
	26 55 53 11-0152		**High Pressure Sodium MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
	26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	710.35	151.36
	26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	761.61	151.36
	26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	761.61	151.36
	26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	761.61	151.36
	26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	761.61	151.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0158		**Metal Halide MFS Series Ruud Flood Lights** *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	778.70	151.36
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	778.70	151.36
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	778.70	151.36
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	751.85	151.36
26 55 53 11-0163		**MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		**High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights** *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	771.37	151.36
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	822.63	151.36
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	822.63	151.36
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	822.63	151.36
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	822.63	151.36
26 55 53 11-0170		**Metal Halide MCF/MPM/MPN Series Ruud Flood Lights** *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.72	151.36
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.72	151.36
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	839.72	151.36
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	812.87	151.36
26 55 53 11-0175		**CF (Cutoff Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		**High Pressure Sodium CF Series Ruud Flood Lights** *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	1,019.14	170.28
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	1,043.55	170.28
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,598.85	189.21
26 55 53 11-0180		**Metal Halide CF Series Ruud Flood Lights** *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	965.44	170.28
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	970.32	170.28
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	984.97	170.28
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,437.75	189.21
26 55 53 11-0185		**CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		**High Pressure Sodium CN Series Ruud Flood Lights** *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,315.71	189.21
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,569.56	189.21
26 55 53 11-0189		**Metal Halide CN Series Ruud Flood Lights** *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,257.12	189.21
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,408.46	189.21
26 55 53 11-0192		**PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		**High Pressure Sodium PM/PN Series Ruud Flood Lights** *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,053.31	170.28
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,077.72	170.28
26 55 53 11-0196		**Metal Halide PM/PN Series Ruud Flood Lights** *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	999.61	170.28
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	1,004.49	170.28
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	1,019.14	170.28
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,471.92	189.21
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	112.29	37.84
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	178.20	37.84
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	129.38	37.84
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	153.79	37.84
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	310.03	113.52
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	97.65	37.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)* Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	276.96	113.52
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	348.96	113.52
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	575.64	47.52
		For >50 To 100, Deduct	*-16.77*	
		For >100 To 250, Deduct	*-31.16*	
		For >250 To 500, Deduct	*-57.56*	
		For >500, Deduct	*-83.97*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	711.11	47.52
		For >50 To 100, Deduct	*-20.15*	
		For >100 To 250, Deduct	*-37.93*	
		For >250 To 500, Deduct	*-71.11*	
		For >500, Deduct	*-104.29*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)* Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	877.51	47.52
		For >50 To 100, Deduct	*-24.31*	
		For >100 To 250, Deduct	*-46.25*	
		For >250 To 500, Deduct	*-87.75*	
		For >500, Deduct	*-129.25*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,133.76	136.54
		For >50 To 100, Deduct	*-35.17*	
		For >100 To 250, Deduct	*-63.52*	
		For >250 To 500, Deduct	*-113.38*	
		For >500, Deduct	*-163.24*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,240.03	144.12
		For >50 To 100, Deduct	*-38.21*	
		For >100 To 250, Deduct	*-69.21*	
		For >250 To 500, Deduct	*-124.00*	
		For >500, Deduct	*-178.80*	
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	988.23	128.96
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-31.15*	
		For >100 To 250, Deduct	*-55.86*	
		For >250 To 500, Deduct	*-98.82*	
		For >500, Deduct	*-141.79*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,234.28	136.54
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-37.68*	
		For >100 To 250, Deduct	*-68.54*	
		For >250 To 500, Deduct	*-123.43*	
		For >500, Deduct	*-178.32*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,480.33	144.12
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-44.21*	
		For >100 To 250, Deduct	*-81.22*	
		For >250 To 500, Deduct	*-148.03*	
		For >500, Deduct	*-214.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,819.04	151.72
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-53.06*	
		For >100 To 250, Deduct	*-98.54*	
		For >250 To 500, Deduct	*-181.90*	
		For >500, Deduct	*-265.27*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,065.09	159.30
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-59.59*	
		For >100 To 250, Deduct	*-111.22*	
		For >250 To 500, Deduct	*-206.51*	
		For >500, Deduct	*-301.80*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,311.13	166.88
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-66.12*	
		For >100 To 250, Deduct	*-123.90*	
		For >250 To 500, Deduct	*-231.11*	
		For >500, Deduct	*-338.33*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,631.00	174.46
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-74.50*	
		For >100 To 250, Deduct	*-140.27*	
		For >250 To 500, Deduct	*-263.10*	
		For >500, Deduct	*-385.93*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,877.05	182.05
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-81.03*	
		For >100 To 250, Deduct	*-152.96*	
		For >250 To 500, Deduct	*-287.71*	
		For >500, Deduct	*-422.45*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,218.47	166.88
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*45.87*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For >50 To 100, Deduct	*-63.81*	
		For >100 To 250, Deduct	*-119.27*	
		For >250 To 500, Deduct	*-221.85*	
		For >500, Deduct	*-324.43*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	3,733.63	204.81
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*67.17*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-103.58*	
		For >100 To 250, Deduct	*-196.92*	
		For >250 To 500, Deduct	*-373.36*	
		For >500, Deduct	*-549.80*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,325.71	166.88
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*36.13*	
		For Rotated Optics, Back Light Shield, Add	*36.13*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-41.49*	
		For >100 To 250, Deduct	*-74.63*	
		For >250 To 500, Deduct	*-132.57*	
		For >500, Deduct	*-190.51*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,413.24	166.88
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*36.13*	
		For Rotated Optics, Back Light Shield, Add	*36.13*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Type II Medium Or Type V Short Optics, Add	*602.16*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-43.68*	
		For >100 To 250, Deduct	*-79.01*	
		For >250 To 500, Deduct	*-141.32*	
		For >500, Deduct	*-203.64*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,810.02	204.81
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Front Facing Optics, Back Light Shield, Add	*43.82*	
		For Rotated Optics, Back Light Shield, Add	*43.82*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-55.49*	
		For >100 To 250, Deduct	*-100.74*	
		For >250 To 500, Deduct	*-181.00*	
		For >500, Deduct	*-261.26*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	710.41	136.54
		For >50 To 100, Deduct	*-24.59*	
		For >100 To 250, Deduct	*-42.35*	
		For >250 To 500, Deduct	*-71.04*	
		For >500, Deduct	*-99.73*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	848.92	144.12
		For >50 To 100, Deduct	*-28.43*	
		For >100 To 250, Deduct	*-49.65*	
		For >250 To 500, Deduct	*-84.89*	
		For >500, Deduct	*-120.13*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	979.32	155.50
		For >50 To 100, Deduct	*-32.26*	
		For >100 To 250, Deduct	*-56.74*	
		For >250 To 500, Deduct	*-97.93*	
		For >500, Deduct	*-139.12*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,986.10	303.42
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-64.82*	
		For >100 To 250, Deduct	*-114.48*	
		For >250 To 500, Deduct	*-198.61*	
		For >500, Deduct	*-282.74*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	3,073.80	303.42
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-92.02*	
		For >100 To 250, Deduct	*-168.86*	
		For >250 To 500, Deduct	*-307.38*	
		For >500, Deduct	*-445.90*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,415.18	303.42
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-150.55*	
		For >100 To 250, Deduct	*-285.93*	
		For >250 To 500, Deduct	*-541.52*	
		For >500, Deduct	*-797.11*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,755.77	197.22
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*145.78*	
		For >50 To 100, Deduct	*-53.76*	
		For >100 To 250, Deduct	*-97.65*	
		For >250 To 500, Deduct	*-175.58*	
		For >500, Deduct	*-253.50*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,246.39	204.81
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*117.75*	
		For >50 To 100, Deduct	*-66.40*	
		For >100 To 250, Deduct	*-122.56*	
		For >250 To 500, Deduct	*-224.64*	
		For >500, Deduct	*-326.72*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,864.84	212.39
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*95.48*	
		For >50 To 100, Deduct	*-82.24*	
		For >100 To 250, Deduct	*-153.86*	
		For >250 To 500, Deduct	*-286.48*	
		For >500, Deduct	*-419.11*	

26 55 53 11-0254 Flood Lights (Everlast) *(26 55 53 11)*

26 55 53 11-0255 Yoke Mount, Square, LED Flood Lights (Everlast EL-LED-FL) *(26 55 53 11-0254)*

Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and black powder coat finish. Excludes sensors.

26 55 53 11-0256	EA	100 Watt, 11,000 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	761.09	133.71
		For >50 To 100, Deduct	*-24.60*	
		For >100 To 250, Deduct	*-43.63*	
		For >250 To 500, Deduct	*-76.11*	
		For >500, Deduct	*-108.59*	
26 55 53 11-0257	EA	150 Watt, 16,500 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	862.01	133.71
		For >50 To 100, Deduct	*-27.12*	
		For >100 To 250, Deduct	*-48.67*	
		For >250 To 500, Deduct	*-86.20*	
		For >500, Deduct	*-123.73*	
26 55 53 11-0258	EA	200 Watt, 22,000 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	996.57	133.71
		For >50 To 100, Deduct	*-30.49*	
		For >100 To 250, Deduct	*-55.40*	
		For >250 To 500, Deduct	*-99.66*	
		For >500, Deduct	*-143.91*	

26 55 53 11-0259 High Mast Flood Lights (Carolina) *(26 55 53 11)*

Note: Installation and demolition includes a line truck with an aerial platform.

26 55 53 11-0260 Adjustable Arm Mount, LED High Mast Flood Lights With Wireless Control Node (Carolina High Mast UltaSpot LED) *(26 55 53 11-0259)*

Note: Includes a General Electric LightGrid™ outdoor wireless control node.

26 55 53 11-0261	EA	30,000 Lumens, 320 Watt, Adjustable Arm Mount, LED High Mast Flood Light With Wireless Control Node (Carolina High Mast USLED-01-G-01-50-70-M-1 ELWN0A5UG5)	3,592.65	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-93.61*	
		For >100 To 250, Deduct	*-183.43*	
		For >250 To 500, Deduct	*-359.27*	
		For >500, Deduct	*-535.10*	
		For Up To 1,000, Add	*344.09*	
26 55 53 11-0262	EA	65,000 Lumens, 640 Watt, Adjustable Arm Mount, LED High Mast Flood Light With Wireless Control Node (Carolina High Mast USLED-02-G-01-50-70-M-1 ELWN0A5UG5)	5,380.40	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-138.30*	
		For >100 To 250, Deduct	*-272.81*	
		For >250 To 500, Deduct	*-538.04*	
		For >500, Deduct	*-803.27*	
		For Up To 1,000, Add	*522.87*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,108.97	151.36
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,184.64	151.36
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,111.41	151.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,176.56	151.36
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,140.71	151.36
26 55 53 12-0010		HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,056.96	151.36
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,102.11	151.36
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	934.91	151.36
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,493.89	189.21
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,515.86	189.21
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,486.57	189.21
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,515.86	189.21
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,109.45	170.28
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,194.89	170.28
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,575.23	227.04
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,775.39	227.04
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,785.15	227.04
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,090.26	227.04
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,963.34	227.04
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,827.99	227.04
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,699.72	227.04
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,826.64	227.04
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0001		**Stage Lighting** *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	693.90	164.65
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	693.90	164.65
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	693.90	164.65
26 55 61 00-0005	EA	14" Scoop Floodlight (Altman #SC14)	715.86	164.65
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	567.28	164.65
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	921.77	164.65
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,398.34	164.65
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,887.25	164.65
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	518.08	164.65
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,829.61	164.65
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,110.82	164.65
26 55 63		**Detention Lighting** *(26 55)*		
26 55 63 00-0001		Maximum Security Recessed Luminaire *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,306.71	44.55
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,433.79	44.55
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,256.72	53.47
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,715.02	62.39
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,715.02	62.39
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,715.02	62.39
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,306.71	44.55
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,497.32	44.55
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,320.26	53.48
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,524.41	62.39
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,524.41	62.39
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,524.41	62.39
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,147.87	44.55
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,147.87	44.55
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,383.80	53.47
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,651.49	62.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,664.19	62.39
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,664.19	62.39
26 55 63 00-0020		**Maximum Security Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,179.64	44.55
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,465.55	44.55
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,116.10	44.55
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,116.10	44.55
26 55 63 00-0025	EA	19" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,097.88	53.47
26 55 63 00-0026	EA	19" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,358.80	57.93
26 55 63 00-0027	EA	19" x 48", Three 32 Watt, Lamps,14 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,390.57	57.93
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,390.57	57.93
26 55 63 00-0029		**Ultimax Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,088.93	44.55
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,411.74	44.55
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,210.57	53.47
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,243.09	62.39
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,248.22	62.39
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,253.35	62.39
26 55 63 00-0036		**Maximum Security Wall Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0037	EA	10.5" x 48", Two 32 Watt Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 1 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,433.79	44.71
26 55 63 00-0038	EA	10.5" x 48", Three 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,433.79	44.71
26 55 63 00-0039	EA	10.5" x 48", Four 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 2 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,433.79	44.71
26 55 63 00-0040		**LED Security Recessed Luminaire** *(26 55 63)* Note: LCDoane CRC-LED		
26 55 63 00-0041	EA	2' x 2', 2794 Lumens LED, 3500K(80cri), 14 Gauge Cold Rolled Steel White, 120-277V, Vandal Resistant (LCD CRC-22-2W28-35-80-X-C-W-VAR-DM-122-3-8-TP-D "NL-LED")	946.52	53.47
26 55 63 00-0042	EA	2' x 4', 4514 Lumens LED, 3500K(80cri), 14 Gauge Cold Rolled Steel White, 120-277V, Vandal Resistant (LCDoane CRC-24-2W43-35-80-X-C-W-VAR-DM-122-3-8-TP-D "NL-LED")	1,345.63	62.39
26 55 63 00-0043		**LED Fixtures And Accessories (Kenall)** *(26 55 63)* Note: UL Listed		
26 55 63 00-0044	EA	24" x 48", 4,489 Lumens, 45 Watt, 120-277 Voltage, Dimming, Recessed Ceiling Mount, Mighty Mac™ LED Fixture (Kenall RMCD-4-FL/TR-0/0- -45L35K-DCC- - DV-2/C-1-DLN)	2,075.52	62.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0045	EA	12" x 48", 5,644 Lumens, 67 Watt, 120-277 Voltage, Dimming, Recessed Ceiling Mount, Mighty Mac™ LED Fixture (Kenall RMCA-4-FL/TR-0/0- -67L35K-DCC- - DV-69/C-1-DLN)	1,572.06	44.55
26 55 63 00-0046	EA	24" x 48", 5,590 Lumens, 45 Watt, 120 Voltage, Dimming, Surface Ceiling Mount, Mighty Mac™ LED Fixture (Kenall SSD-4-0/0- -45LE5K-DCC- - 120-69/C-1-DLN IHF)	2,090.56	62.39
26 55 63 00-0047	EA	12" x 48", 4,938 Lumens, 45 Watt, 120 Voltage, Dimming, Surface Ceiling Mount, Mighty Mac™ LED Fixture (Kenall SSA-4-0/0- -45LE5K-DCC- - 120-2/C-1-IHF)	1,332.62	44.55
26 55 63 00-0048	EA	12" x 48", 4,938 Lumens, 45 Watt, 120 Voltage, Dimming, Surface Ceiling Mount, Mighty Mac™ LED Fixture (Kenall SSA-4-3/3- -45LE5K-DCC- - 120-69/C-1-DLN IHF WL)	1,641.01	44.55
26 55 63 00-0049	EA	5" x 48", 5,325 Lumens, 45 Watt, 120-277 Voltage, Dimming, Surface Mount, Nova I™ LED Fixture (Kenall N548-P-1-1-45L35K-1-DV)	476.17	53.47
26 55 63 00-0050	EA	24" x 24", 4,027 Lumens, 45 Watt, 120-277 Voltage, Dimming, Recessed Ceiling Mount, Mighty Mac™ LED Fixture (Kenall RMCD-2-FL/TR-0/0- -45L35K-DCC- - DV-2/C-1)	1,222.07	53.47
26 55 63 00-0051	EA	15" Diameter x 5.50" Deep, 25 Watt, 120-277 Voltage, Surface Mount, Rough-House™ LED Fixture (Kenall RHR15D-W-PP-25L35K-DV-PH-SC)	654.19	53.47
26 55 63 00-0052	EA	14 Gauge Stainless Steel, Single Gang, Mighty Mac™ Wall Surface Mount Plate (Kenall WSP-3-1-S)	67.54	3.06
26 55 63 00-0053	EA	14 Gauge Stainless Steel, Double Gang, Mighty Mac™ Wall Surface Mount Plate (Kenall WSP-3-2-S)	89.80	3.53
26 55 63 00-0054	EA	14 Gauge Stainless Steel, Triple Gang, Mighty Mac™ Wall Surface Mount Plate (Kenall WSP-3-3-S)	111.92	3.94
26 55 63 00-0055	EA	8" x 48", 6,703 Lumens, 67 Watt, 277 Voltage, Dimming, Recessed Ceiling Mount, Mighty Mac™ LED Fixture (Kenall CD-4-0/0-67L35K-DCC-DV-69-1-DLN-IHF) Note: Clear polycarbonate outer lens with prismatic polycarbonate inner lens	1,246.14	44.55
26 55 63 00-0056	EA	8" x 48", 6,703 Lumens, 67 Watt, 277 Voltage, Dimming, Recessed Ceiling Mount, Mighty Mac™ LED Fixture (Kenall CD-4-0/0-67L35K-DCC-DV-2P-1-DLN-IHF) Note: Clear tempered glass outer lens with prismatic polycarbonate inner lens	1,456.42	44.55
26 55 63 00-0057	EA	Single Face, 120-277 Voltage, Surface Mount, LED Exit Sign Fixture (Kenall MMEX-1-6-G-DT-1)	1,098.09	49.52
26 55 63 00-0058	EA	Double Face, 120-277 Voltage, Surface Mount, LED Exit Sign Fixture (Kenall MMEX-2-6-G-DT-1)	1,196.81	49.52
26 55 63 00-0059	EA	12" x 24" Seam-Welded Steel Correctional LED Luminaire With Ligature-Resistant Profile, Tamper-Proof Fasteners (Kenall Mighty Mac SSA-2-LED-40K-UNV-DIM)	378.01	44.55
26 55 63 00-0060	EA	24" x 48", Recessed Correctional Troffer With Flush Polycarbonate Lens, Concealed Fasteners, And High-Impact Steel Housing (Kenall M4SEDI-22L-LED-35K-UNV-EL)	2,135.69	62.39

26 55 68 Athletic Field Lighting *(26 55)*

26 55 68 00-0001 Sports Lighting System *(26 55 68)*

Note: Musco.

26 55 68 00-0002 Round Steel Tapered Poles *(26 55 68 00-0001)*

Note: With Internal wiring harness.

26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,382.36	726.54
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,273.21	877.90
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,944.42	953.58
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,501.99	991.42
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,163.73	1,029.26
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,366.67	1,256.30
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,066.37	1,331.99
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,434.89	1,513.62
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,983.06	1,702.82
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,352.45	1,875.74
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,652.85	2,096.42
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	17,063.36	2,353.87
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	19,134.53	2,832.01

26 55 68 00-0016 Steel Pole Brackets *(26 55 68 00-0001)*

26 55 68 00-0017	EA	Two Light Bracket	683.32	75.68
26 55 68 00-0018	EA	Three Light Bracket	859.46	105.96
26 55 68 00-0019	EA	Four Light Bracket	1,240.30	128.65
26 55 68 00-0020	EA	Five Light Bracket	1,412.48	151.36
26 55 68 00-0021	EA	Six Light Bracket	1,713.76	174.07
26 55 68 00-0022	EA	Seven Light Bracket	1,962.34	196.77
26 55 68 00-0023	EA	Eight Light Bracket	2,243.98	227.04
26 55 68 00-0024	EA	Nine Light Bracket	2,535.60	249.75

26 55 68 00-0025 Light Fixtures *(26 55 68 00-0001)*

26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,506.24	
		For 1,500 Watt Metal Halide Lamp, Add	*16.01*	

26 55 68 00-0027 Electrical Component Enclosure *(26 55 68 00-0001)*

Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.

26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,081.30	88.06
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,622.68	135.48
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,861.72	169.34
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,406.94	189.67
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,706.32	203.21

26 55 68 00-0033 Accessories *(26 55 68 00-0001)*

26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,108.04	271.55
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,237.92	271.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,689.88	271.55
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,928.12	814.64
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,400.83	135.48
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,671.79	270.95

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*
See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*
Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,824.85	454.09
		For Galvanized Finish, Add	*57.50*	
		For >10 To 20, Deduct	*-70.62*	
		For >20 To 40, Deduct	*-141.24*	
		For >40, Deduct	*-234.57*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,829.59	454.09
		For Galvanized Finish, Add	*57.64*	
		For >10 To 20, Deduct	*-70.74*	
		For >20 To 40, Deduct	*-141.48*	
		For >40, Deduct	*-234.92*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,160.39	605.45
		For Galvanized Finish, Add	*58.48*	
		For >10 To 20, Deduct	*-79.01*	
		For >20 To 40, Deduct	*-158.02*	
		For >40, Deduct	*-267.30*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,217.35	605.45
		For Galvanized Finish, Add	*60.19*	
		For >10 To 20, Deduct	*-80.43*	
		For >20 To 40, Deduct	*-160.87*	
		For >40, Deduct	*-271.57*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,274.32	605.45
		For Galvanized Finish, Add	*61.90*	
		For >10 To 20, Deduct	*-81.86*	
		For >20 To 40, Deduct	*-163.72*	
		For >40, Deduct	*-275.85*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,437.67	681.12
		For Galvanized Finish, Add	*62.26*	
		For >10 To 20, Deduct	*-85.94*	
		For >20 To 40, Deduct	*-171.88*	
		For >40, Deduct	*-291.88*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,464.69	681.12
		For Galvanized Finish, Add	*63.07*	
		For >10 To 20, Deduct	*-86.62*	
		For >20 To 40, Deduct	*-173.23*	
		For >40, Deduct	*-293.91*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,469.83	681.12
		For Galvanized Finish, Add	*63.23*	
		For >10 To 20, Deduct	*-86.75*	
		For >20 To 40, Deduct	*-173.49*	
		For >40, Deduct	*-294.29*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,641.39	718.97
		For Galvanized Finish, Add	*66.10*	
		For >10 To 20, Deduct	*-91.03*	
		For >20 To 40, Deduct	*-182.07*	
		For >40, Deduct	*-309.05*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,661.79	718.97
		For Galvanized Finish, Add	*66.72*	
		For >10 To 20, Deduct	*-91.54*	
		For >20 To 40, Deduct	*-183.09*	
		For >40, Deduct	*-310.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,684.07	718.97
		For Galvanized Finish, Add	*67.38*	
		For >10 To 20, Deduct	*-92.10*	
		For >20 To 40, Deduct	*-184.20*	
		For >40, Deduct	*-312.25*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,158.83	756.81
		For Galvanized Finish, Add	*79.36*	
		For >10 To 20, Deduct	*-103.97*	
		For >20 To 40, Deduct	*-207.94*	
		For >40, Deduct	*-349.75*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,166.10	756.81
		For Galvanized Finish, Add	*79.57*	
		For >10 To 20, Deduct	*-104.15*	
		For >20 To 40, Deduct	*-208.31*	
		For >40, Deduct	*-350.30*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,173.28	756.81
		For Galvanized Finish, Add	*79.79*	
		For >10 To 20, Deduct	*-104.33*	
		For >20 To 40, Deduct	*-208.66*	
		For >40, Deduct	*-350.84*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,493.21	529.76
		For Galvanized Finish, Add	*73.01*	
		For >10 To 20, Deduct	*-87.33*	
		For >20 To 40, Deduct	*-174.66*	
		For >40, Deduct	*-288.48*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,561.50	548.68
		For Galvanized Finish, Add	*73.92*	
		For >10 To 20, Deduct	*-89.04*	
		For >20 To 40, Deduct	*-178.08*	
		For >40, Deduct	*-294.55*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,622.26	567.61
		For Galvanized Finish, Add	*74.61*	
		For >10 To 20, Deduct	*-90.56*	
		For >20 To 40, Deduct	*-181.11*	
		For >40, Deduct	*-300.05*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,598.61	681.12
		For Galvanized Finish, Add	*67.09*	
		For >10 To 20, Deduct	*-89.97*	
		For >20 To 40, Deduct	*-179.93*	
		For >40, Deduct	*-303.95*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,648.52	700.05
		For Galvanized Finish, Add	*67.45*	
		For >10 To 20, Deduct	*-91.21*	
		For >20 To 40, Deduct	*-182.43*	
		For >40, Deduct	*-308.64*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,691.25	718.97
		For Galvanized Finish, Add	*67.60*	
		For >10 To 20, Deduct	*-92.28*	
		For >20 To 40, Deduct	*-184.56*	
		For >40, Deduct	*-312.79*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,899.15	756.81
		For Galvanized Finish, Add	*71.57*	
		For >10 To 20, Deduct	*-97.48*	
		For >20 To 40, Deduct	*-194.96*	
		For >40, Deduct	*-330.28*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,944.33	775.73
		For Galvanized Finish, Add	*71.79*	
		For >10 To 20, Deduct	*-98.61*	
		For >20 To 40, Deduct	*-197.22*	
		For >40, Deduct	*-334.61*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,986.83	794.65
		For Galvanized Finish, Add	*71.93*	
		For >10 To 20, Deduct	*-99.67*	
		For >20 To 40, Deduct	*-199.34*	
		For >40, Deduct	*-338.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,131.11	794.65
		For Galvanized Finish, Add	*76.25*	
		For >10 To 20, Deduct	*-103.28*	
		For >20 To 40, Deduct	*-206.56*	
		For >40, Deduct	*-349.57*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,200.54	813.56
		For Galvanized Finish, Add	*77.20*	
		For >10 To 20, Deduct	*-105.01*	
		For >20 To 40, Deduct	*-210.03*	
		For >40, Deduct	*-355.72*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,268.33	832.49
		For Galvanized Finish, Add	*78.10*	
		For >10 To 20, Deduct	*-106.71*	
		For >20 To 40, Deduct	*-213.42*	
		For >40, Deduct	*-361.75*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,620.47	832.49
		For Galvanized Finish, Add	*88.66*	
		For >10 To 20, Deduct	*-115.51*	
		For >20 To 40, Deduct	*-231.02*	
		For >40, Deduct	*-388.16*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,663.04	851.41
		For Galvanized Finish, Add	*88.81*	
		For >10 To 20, Deduct	*-116.58*	
		For >20 To 40, Deduct	*-233.15*	
		For >40, Deduct	*-392.30*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,705.78	870.33
		For Galvanized Finish, Add	*88.95*	
		For >10 To 20, Deduct	*-117.64*	
		For >20 To 40, Deduct	*-235.29*	
		For >40, Deduct	*-396.45*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,197.35	756.81
		For Galvanized Finish, Add	*80.51*	
		For >10 To 20, Deduct	*-104.93*	
		For >20 To 40, Deduct	*-209.87*	
		For >40, Deduct	*-352.64*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,277.85	794.65
		For Galvanized Finish, Add	*80.66*	
		For >10 To 20, Deduct	*-106.95*	
		For >20 To 40, Deduct	*-213.89*	
		For >40, Deduct	*-360.57*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,365.52	832.49
		For Galvanized Finish, Add	*81.02*	
		For >10 To 20, Deduct	*-109.14*	
		For >20 To 40, Deduct	*-218.28*	
		For >40, Deduct	*-369.04*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,469.00	832.49
		For Galvanized Finish, Add	*84.12*	
		For >10 To 20, Deduct	*-111.73*	
		For >20 To 40, Deduct	*-223.45*	
		For >40, Deduct	*-376.80*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,551.78	870.33
		For Galvanized Finish, Add	*84.33*	
		For >10 To 20, Deduct	*-113.79*	
		For >20 To 40, Deduct	*-227.59*	
		For >40, Deduct	*-384.90*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,632.28	908.17
		For Galvanized Finish, Add	*84.48*	
		For >10 To 20, Deduct	*-115.81*	
		For >20 To 40, Deduct	*-231.61*	
		For >40, Deduct	*-392.83*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,741.69	870.33
		For Galvanized Finish, Add	*90.03*	
		For >10 To 20, Deduct	*-118.54*	
		For >20 To 40, Deduct	*-237.08*	
		For >40, Deduct	*-399.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,822.18	908.17
		For Galvanized Finish, Add	*90.18*	
		For >10 To 20, Deduct	*-120.55*	
		For >20 To 40, Deduct	*-241.11*	
		For >40, Deduct	*-407.07*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,902.68	946.02
		For Galvanized Finish, Add	*90.32*	
		For >10 To 20, Deduct	*-122.57*	
		For >20 To 40, Deduct	*-245.13*	
		For >40, Deduct	*-415.00*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,082.11	908.17
		For Galvanized Finish, Add	*97.97*	
		For >10 To 20, Deduct	*-127.05*	
		For >20 To 40, Deduct	*-254.11*	
		For >40, Deduct	*-426.57*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,162.36	946.02
		For Galvanized Finish, Add	*98.11*	
		For >10 To 20, Deduct	*-129.06*	
		For >20 To 40, Deduct	*-258.12*	
		For >40, Deduct	*-434.48*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,247.68	983.85
		For Galvanized Finish, Add	*98.40*	
		For >10 To 20, Deduct	*-131.19*	
		For >20 To 40, Deduct	*-262.38*	
		For >40, Deduct	*-442.77*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,661.36	832.49
		For Galvanized Finish, Add	*89.89*	
		For >10 To 20, Deduct	*-116.53*	
		For >20 To 40, Deduct	*-233.07*	
		For >40, Deduct	*-391.23*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,782.06	889.25
		For Galvanized Finish, Add	*90.11*	
		For >10 To 20, Deduct	*-119.55*	
		For >20 To 40, Deduct	*-239.10*	
		For >40, Deduct	*-403.12*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,900.31	946.02
		For Galvanized Finish, Add	*90.25*	
		For >10 To 20, Deduct	*-122.51*	
		For >20 To 40, Deduct	*-245.02*	
		For >40, Deduct	*-414.82*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,962.47	908.17
		For Galvanized Finish, Add	*94.38*	
		For >10 To 20, Deduct	*-124.06*	
		For >20 To 40, Deduct	*-248.12*	
		For >40, Deduct	*-417.59*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,081.05	964.93
		For Galvanized Finish, Add	*94.54*	
		For >10 To 20, Deduct	*-127.03*	
		For >20 To 40, Deduct	*-254.05*	
		For >40, Deduct	*-429.33*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,171.88	1,021.69
		For Galvanized Finish, Add	*93.86*	
		For >10 To 20, Deduct	*-129.30*	
		For >20 To 40, Deduct	*-258.59*	
		For >40, Deduct	*-438.98*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,311.46	946.02
		For Galvanized Finish, Add	*102.58*	
		For >10 To 20, Deduct	*-132.79*	
		For >20 To 40, Deduct	*-265.57*	
		For >40, Deduct	*-445.66*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,462.52	1,002.77
		For Galvanized Finish, Add	*103.71*	
		For >10 To 20, Deduct	*-136.56*	
		For >20 To 40, Deduct	*-273.13*	
		For >40, Deduct	*-459.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,550.67	1,059.53
		For Galvanized Finish, Add	*102.95*	
		For >10 To 20, Deduct	*-138.77*	
		For >20 To 40, Deduct	*-277.53*	
		For >40, Deduct	*-469.28*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,543.52	983.85
		For Galvanized Finish, Add	*107.27*	
		For >10 To 20, Deduct	*-138.59*	
		For >20 To 40, Deduct	*-277.18*	
		For >40, Deduct	*-464.96*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,661.77	1,040.61
		For Galvanized Finish, Add	*107.42*	
		For >10 To 20, Deduct	*-141.54*	
		For >20 To 40, Deduct	*-283.09*	
		For >40, Deduct	*-476.66*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,782.46	1,097.38
		For Galvanized Finish, Add	*107.63*	
		For >10 To 20, Deduct	*-144.56*	
		For >20 To 40, Deduct	*-289.12*	
		For >40, Deduct	*-488.55*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,336.67	605.45
		For Galvanized Finish, Add	*63.77*	
		For >10 To 20, Deduct	*-83.42*	
		For >20 To 40, Deduct	*-166.83*	
		For >40, Deduct	*-280.52*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,772.93	681.12
		For Galvanized Finish, Add	*72.32*	
		For >10 To 20, Deduct	*-94.32*	
		For >20 To 40, Deduct	*-188.65*	
		For >40, Deduct	*-317.03*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,888.26	718.97
		For Galvanized Finish, Add	*73.51*	
		For >10 To 20, Deduct	*-97.21*	
		For >20 To 40, Deduct	*-194.41*	
		For >40, Deduct	*-327.57*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,572.43	756.81
		For Galvanized Finish, Add	*91.76*	
		For >10 To 20, Deduct	*-114.31*	
		For >20 To 40, Deduct	*-228.62*	
		For >40, Deduct	*-380.77*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,187.61	605.45
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-104.69*	
		For >20 To 40, Deduct	*-209.38*	
		For >40, Deduct	*-344.34*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,224.09	605.45
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-105.60*	
		For >20 To 40, Deduct	*-211.20*	
		For >40, Deduct	*-347.08*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,240.74	605.45
		For Galvanized Finish, Add	*90.90*	
		For >10 To 20, Deduct	*-106.02*	
		For >20 To 40, Deduct	*-212.04*	
		For >40, Deduct	*-348.33*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,375.45	681.12
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-109.39*	
		For >20 To 40, Deduct	*-218.77*	
		For >40, Deduct	*-362.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,381.82	681.12
		For Galvanized Finish, Add	*90.59*	
		For >10 To 20, Deduct	*-109.55*	
		For >20 To 40, Deduct	*-219.09*	
		For >40, Deduct	*-362.69*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,447.59	681.12
		For Galvanized Finish, Add	*92.56*	
		For >10 To 20, Deduct	*-111.19*	
		For >20 To 40, Deduct	*-222.38*	
		For >40, Deduct	*-367.63*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,472.75	718.97
		For Galvanized Finish, Add	*91.04*	
		For >10 To 20, Deduct	*-111.82*	
		For >20 To 40, Deduct	*-223.64*	
		For >40, Deduct	*-371.40*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,511.27	718.97
		For Galvanized Finish, Add	*92.20*	
		For >10 To 20, Deduct	*-112.78*	
		For >20 To 40, Deduct	*-225.56*	
		For >40, Deduct	*-374.29*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,713.25	718.97
		For Galvanized Finish, Add	*98.26*	
		For >10 To 20, Deduct	*-117.83*	
		For >20 To 40, Deduct	*-235.66*	
		For >40, Deduct	*-389.44*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,460.83	756.81
		For Galvanized Finish, Add	*118.42*	
		For >10 To 20, Deduct	*-136.52*	
		For >20 To 40, Deduct	*-273.04*	
		For >40, Deduct	*-447.40*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,571.44	794.65
		For Galvanized Finish, Add	*119.46*	
		For >10 To 20, Deduct	*-139.29*	
		For >20 To 40, Deduct	*-278.57*	
		For >40, Deduct	*-457.59*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,784.22	832.49
		For Galvanized Finish, Add	*123.58*	
		For >10 To 20, Deduct	*-144.61*	
		For >20 To 40, Deduct	*-289.21*	
		For >40, Deduct	*-475.44*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,591.95	832.49
		For Galvanized Finish, Add	*117.81*	
		For >10 To 20, Deduct	*-139.80*	
		For >20 To 40, Deduct	*-279.60*	
		For >40, Deduct	*-461.02*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,848.07	870.33
		For Galvanized Finish, Add	*123.22*	
		For >10 To 20, Deduct	*-146.20*	
		For >20 To 40, Deduct	*-292.40*	
		For >40, Deduct	*-482.12*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,012.54	908.17
		For Galvanized Finish, Add	*125.89*	
		For >10 To 20, Deduct	*-150.31*	
		For >20 To 40, Deduct	*-300.63*	
		For >40, Deduct	*-496.35*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,768.42	870.33
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-144.21*	
		For >20 To 40, Deduct	*-288.42*	
		For >40, Deduct	*-476.15*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,101.50	908.17
		For Galvanized Finish, Add	*128.55*	
		For >10 To 20, Deduct	*-152.54*	
		For >20 To 40, Deduct	*-305.08*	
		For >40, Deduct	*-503.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,309.38	946.02
		For Galvanized Finish, Add	*132.52*	
		For >10 To 20, Deduct	*-157.73*	
		For >20 To 40, Deduct	*-315.47*	
		For >40, Deduct	*-520.50*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,758.01	454.09
		For >10 To 20, Deduct	*-68.95*	
		For >20 To 40, Deduct	*-137.90*	
		For >40, Deduct	*-229.56*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,780.40	454.09
		For >10 To 20, Deduct	*-69.51*	
		For >20 To 40, Deduct	*-139.02*	
		For >40, Deduct	*-231.23*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,398.75	605.45
		For >10 To 20, Deduct	*-84.97*	
		For >20 To 40, Deduct	*-169.94*	
		For >40, Deduct	*-285.18*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,441.06	605.45
		For >10 To 20, Deduct	*-86.03*	
		For >20 To 40, Deduct	*-172.05*	
		For >40, Deduct	*-288.35*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,479.97	605.45
		For >10 To 20, Deduct	*-87.00*	
		For >20 To 40, Deduct	*-174.00*	
		For >40, Deduct	*-291.27*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,896.29	681.12
		For >10 To 20, Deduct	*-97.41*	
		For >20 To 40, Deduct	*-194.81*	
		For >40, Deduct	*-326.28*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,931.99	681.12
		For >10 To 20, Deduct	*-98.30*	
		For >20 To 40, Deduct	*-196.60*	
		For >40, Deduct	*-328.96*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,971.91	681.12
		For >10 To 20, Deduct	*-99.30*	
		For >20 To 40, Deduct	*-198.60*	
		For >40, Deduct	*-331.95*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,536.75	718.97
		For >10 To 20, Deduct	*-113.42*	
		For >20 To 40, Deduct	*-226.84*	
		For >40, Deduct	*-376.20*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,572.36	718.97
		For >10 To 20, Deduct	*-114.31*	
		For >20 To 40, Deduct	*-228.62*	
		For >40, Deduct	*-378.88*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,602.18	718.97
		For >10 To 20, Deduct	*-115.05*	
		For >20 To 40, Deduct	*-230.11*	
		For >40, Deduct	*-381.11*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,163.59	529.76
		For >10 To 20, Deduct	*-79.09*	
		For >20 To 40, Deduct	*-158.18*	
		For >40, Deduct	*-263.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,383.02	529.76
		For >10 To 20, Deduct	*-84.58*	
		For >20 To 40, Deduct	*-169.15*	
		For >40, Deduct	*-280.21*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,501.47	567.61
		For >10 To 20, Deduct	*-87.54*	
		For >20 To 40, Deduct	*-175.07*	
		For >40, Deduct	*-290.99*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,792.30	681.12
		For >10 To 20, Deduct	*-94.81*	
		For >20 To 40, Deduct	*-189.62*	
		For >40, Deduct	*-318.48*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,969.82	700.05
		For >10 To 20, Deduct	*-99.25*	
		For >20 To 40, Deduct	*-198.49*	
		For >40, Deduct	*-332.74*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,222.87	718.97
		For >10 To 20, Deduct	*-105.57*	
		For >20 To 40, Deduct	*-211.14*	
		For >40, Deduct	*-352.66*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,366.75	756.81
		For >10 To 20, Deduct	*-109.17*	
		For >20 To 40, Deduct	*-218.34*	
		For >40, Deduct	*-365.35*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,534.17	775.73
		For >10 To 20, Deduct	*-113.35*	
		For >20 To 40, Deduct	*-226.71*	
		For >40, Deduct	*-378.85*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,737.03	794.65
		For >10 To 20, Deduct	*-118.43*	
		For >20 To 40, Deduct	*-236.85*	
		For >40, Deduct	*-395.01*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,931.14	794.65
		For >10 To 20, Deduct	*-123.28*	
		For >20 To 40, Deduct	*-246.56*	
		For >40, Deduct	*-409.57*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,372.98	813.56
		For >10 To 20, Deduct	*-134.32*	
		For >20 To 40, Deduct	*-268.65*	
		For >40, Deduct	*-443.65*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,885.76	832.49
		For >10 To 20, Deduct	*-147.14*	
		For >20 To 40, Deduct	*-294.29*	
		For >40, Deduct	*-483.06*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,668.20	605.45
		For >10 To 20, Deduct	*-91.71*	
		For >20 To 40, Deduct	*-183.41*	
		For >40, Deduct	*-305.39*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,921.37	643.29
		For >10 To 20, Deduct	*-98.03*	
		For >20 To 40, Deduct	*-196.07*	
		For >40, Deduct	*-326.27*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,467.80	756.81
		For >10 To 20, Deduct	*-111.70*	
		For >20 To 40, Deduct	*-223.39*	
		For >40, Deduct	*-372.93*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,660.86	794.65
		For >10 To 20, Deduct	*-116.52*	
		For >20 To 40, Deduct	*-233.04*	
		For >40, Deduct	*-389.30*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,881.27	832.49
		For >10 To 20, Deduct	*-122.03*	
		For >20 To 40, Deduct	*-244.06*	
		For >40, Deduct	*-407.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,058.00	870.33
		For >10 To 20, Deduct	*-126.45*	
		For >20 To 40, Deduct	*-252.90*	
		For >40, Deduct	*-422.87*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,268.16	870.33
		For >10 To 20, Deduct	*-131.70*	
		For >20 To 40, Deduct	*-263.41*	
		For >40, Deduct	*-438.63*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,716.82	908.17
		For >10 To 20, Deduct	*-142.92*	
		For >20 To 40, Deduct	*-285.84*	
		For >40, Deduct	*-474.17*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	12,141.25	946.02
		For >10 To 20, Deduct	*-303.53*	
		For >20 To 40, Deduct	*-607.06*	
		For >40, Deduct	*-957.89*	
26 56 13 00-0128		**Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms** *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,819.01	681.12
		For >10 To 20, Deduct	*-95.48*	
		For >20 To 40, Deduct	*-190.95*	
		For >40, Deduct	*-320.48*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,953.37	681.12
		For >10 To 20, Deduct	*-98.83*	
		For >20 To 40, Deduct	*-197.67*	
		For >40, Deduct	*-330.56*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,889.62	832.49
		For >10 To 20, Deduct	*-122.24*	
		For >20 To 40, Deduct	*-244.48*	
		For >40, Deduct	*-408.35*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,289.57	889.25
		For >10 To 20, Deduct	*-132.24*	
		For >20 To 40, Deduct	*-264.48*	
		For >40, Deduct	*-441.18*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,510.42	908.17
		For >10 To 20, Deduct	*-137.76*	
		For >20 To 40, Deduct	*-275.52*	
		For >40, Deduct	*-458.69*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,880.63	964.93
		For >10 To 20, Deduct	*-147.02*	
		For >20 To 40, Deduct	*-294.03*	
		For >40, Deduct	*-489.29*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,799.11	946.02
		For >10 To 20, Deduct	*-144.98*	
		For >20 To 40, Deduct	*-289.96*	
		For >40, Deduct	*-482.23*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,570.39	1,002.77
		For >10 To 20, Deduct	*-164.26*	
		For >20 To 40, Deduct	*-328.52*	
		For >40, Deduct	*-542.92*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,254.58	1,059.53
		For >10 To 20, Deduct	*-181.36*	
		For >20 To 40, Deduct	*-362.73*	
		For >40, Deduct	*-597.07*	
26 56 13 00-0138		**Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms** *(26 56 13 00-0091)*		
26 56 13 00-0139		**Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm** *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,020.44	605.45
		For >10 To 20, Deduct	*-100.51*	
		For >20 To 40, Deduct	*-201.02*	
		For >40, Deduct	*-331.81*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,050.36	605.45
		For >10 To 20, Deduct	*-101.26*	
		For >20 To 40, Deduct	*-202.52*	
		For >40, Deduct	*-334.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,126.81	605.45
		For >10 To 20, Deduct	*-103.17*	
		For >20 To 40, Deduct	*-206.34*	
		For >40, Deduct	*-339.78*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,241.53	605.45
		For >10 To 20, Deduct	*-106.04*	
		For >20 To 40, Deduct	*-212.08*	
		For >40, Deduct	*-348.39*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,526.51	681.12
		For >10 To 20, Deduct	*-113.16*	
		For >20 To 40, Deduct	*-226.33*	
		For >40, Deduct	*-373.54*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,593.97	681.12
		For >10 To 20, Deduct	*-114.85*	
		For >20 To 40, Deduct	*-229.70*	
		For >40, Deduct	*-378.60*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,665.92	681.12
		For >10 To 20, Deduct	*-116.65*	
		For >20 To 40, Deduct	*-233.30*	
		For >40, Deduct	*-384.00*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,099.93	681.12
		For >10 To 20, Deduct	*-127.50*	
		For >20 To 40, Deduct	*-255.00*	
		For >40, Deduct	*-416.55*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,910.83	718.97
		For >10 To 20, Deduct	*-122.77*	
		For >20 To 40, Deduct	*-245.54*	
		For >40, Deduct	*-404.26*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,467.72	718.97
		For >10 To 20, Deduct	*-136.69*	
		For >20 To 40, Deduct	*-273.39*	
		For >40, Deduct	*-446.03*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,521.96	718.97
		For >10 To 20, Deduct	*-138.05*	
		For >20 To 40, Deduct	*-276.10*	
		For >40, Deduct	*-450.10*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,866.31	718.97
		For >10 To 20, Deduct	*-146.66*	
		For >20 To 40, Deduct	*-293.32*	
		For >40, Deduct	*-475.92*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,180.36	718.97
		For >10 To 20, Deduct	*-154.51*	
		For >20 To 40, Deduct	*-309.02*	
		For >40, Deduct	*-499.48*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,207.70	756.81
		For >10 To 20, Deduct	*-130.19*	
		For >20 To 40, Deduct	*-260.39*	
		For >40, Deduct	*-428.42*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,359.83	794.65
		For >10 To 20, Deduct	*-134.00*	
		For >20 To 40, Deduct	*-267.99*	
		For >40, Deduct	*-441.72*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,484.70	832.49
		For >10 To 20, Deduct	*-137.12*	
		For >20 To 40, Deduct	*-274.24*	
		For >40, Deduct	*-452.98*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,615.75	832.49
		For >10 To 20, Deduct	*-140.39*	
		For >20 To 40, Deduct	*-280.79*	
		For >40, Deduct	*-462.81*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,089.92	870.33
		For >10 To 20, Deduct	*-152.25*	
		For >20 To 40, Deduct	*-304.50*	
		For >40, Deduct	*-500.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,951.85	908.17
		For >10 To 20, Deduct	*-173.80*	
		For >20 To 40, Deduct	*-347.59*	
		For >40, Deduct	*-566.80*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,720.52	870.33
		For >10 To 20, Deduct	*-168.01*	
		For >20 To 40, Deduct	*-336.03*	
		For >40, Deduct	*-547.56*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,860.26	908.17
		For >10 To 20, Deduct	*-171.51*	
		For >20 To 40, Deduct	*-343.01*	
		For >40, Deduct	*-559.93*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,280.46	946.02
		For >10 To 20, Deduct	*-207.01*	
		For >20 To 40, Deduct	*-414.02*	
		For >40, Deduct	*-668.34*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,280.95	454.09
		For >10 To 20, Deduct	*-82.02*	
		For >20 To 40, Deduct	*-164.05*	
		For >40, Deduct	*-268.78*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,365.47	454.09
		For >10 To 20, Deduct	*-84.14*	
		For >20 To 40, Deduct	*-168.27*	
		For >40, Deduct	*-275.11*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,450.18	454.09
		For >10 To 20, Deduct	*-86.25*	
		For >20 To 40, Deduct	*-172.51*	
		For >40, Deduct	*-281.47*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,929.31	605.45
		For >10 To 20, Deduct	*-98.23*	
		For >20 To 40, Deduct	*-196.47*	
		For >40, Deduct	*-324.97*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,993.73	605.45
		For >10 To 20, Deduct	*-99.84*	
		For >20 To 40, Deduct	*-199.69*	
		For >40, Deduct	*-329.80*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,064.12	605.45
		For >10 To 20, Deduct	*-101.60*	
		For >20 To 40, Deduct	*-203.21*	
		For >40, Deduct	*-335.08*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,433.82	681.12
		For >10 To 20, Deduct	*-110.85*	
		For >20 To 40, Deduct	*-221.69*	
		For >40, Deduct	*-366.59*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,521.28	681.12
		For >10 To 20, Deduct	*-113.03*	
		For >20 To 40, Deduct	*-226.06*	
		For >40, Deduct	*-373.15*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,534.41	681.12
		For >10 To 20, Deduct	*-113.36*	
		For >20 To 40, Deduct	*-226.72*	
		For >40, Deduct	*-374.14*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,820.70	718.97
		For >10 To 20, Deduct	*-120.52*	
		For >20 To 40, Deduct	*-241.04*	
		For >40, Deduct	*-397.50*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,859.06	718.97
		For >10 To 20, Deduct	*-121.48*	
		For >20 To 40, Deduct	*-242.95*	
		For >40, Deduct	*-400.38*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,949.00	718.97
		For >10 To 20, Deduct	*-123.73*	
		For >20 To 40, Deduct	*-247.45*	
		For >40, Deduct	*-407.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0177		**Area Light Poles** *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0178		**Steel Area Light Poles** *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		**Round Straight, Steel Area Light Poles** *(26 56 13 00-0178)*		
26 56 13 00-0180		**Round Straight, Steel Area Light Poles, Anchor Base** *(26 56 13 00-0179)*		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,401.59	264.88
		For Galvanized Finish, Add	*26.15*	
		For >10 To 20, Deduct	*-48.12*	
		For >20 To 40, Deduct	*-87.52*	
		For >40, Deduct	*-183.75*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,525.58	302.72
		For Galvanized Finish, Add	*27.60*	
		For >10 To 20, Deduct	*-51.94*	
		For >20 To 40, Deduct	*-94.68*	
		For >40, Deduct	*-198.56*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,705.10	340.57
		For Galvanized Finish, Add	*30.72*	
		For >10 To 20, Deduct	*-57.99*	
		For >20 To 40, Deduct	*-105.73*	
		For >40, Deduct	*-221.71*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,889.47	378.40
		For Galvanized Finish, Add	*33.98*	
		For >10 To 20, Deduct	*-64.23*	
		For >20 To 40, Deduct	*-117.13*	
		For >40, Deduct	*-245.58*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,013.45	416.24
		For Galvanized Finish, Add	*35.43*	
		For >10 To 20, Deduct	*-68.05*	
		For >20 To 40, Deduct	*-124.29*	
		For >40, Deduct	*-260.39*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,125.36	454.09
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-71.39*	
		For >20 To 40, Deduct	*-130.61*	
		For >40, Deduct	*-273.40*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,464.38	264.88
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-50.63*	
		For >20 To 40, Deduct	*-91.91*	
		For >40, Deduct	*-193.17*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,590.79	302.72
		For Galvanized Finish, Add	*29.56*	
		For >10 To 20, Deduct	*-54.55*	
		For >20 To 40, Deduct	*-99.25*	
		For >40, Deduct	*-208.35*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,835.51	340.57
		For Galvanized Finish, Add	*34.63*	
		For >10 To 20, Deduct	*-63.20*	
		For >20 To 40, Deduct	*-114.86*	
		For >40, Deduct	*-241.27*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,974.00	378.40
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-67.61*	
		For >20 To 40, Deduct	*-123.04*	
		For >40, Deduct	*-258.26*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,105.22	416.24
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-71.72*	
		For >20 To 40, Deduct	*-130.72*	
		For >40, Deduct	*-274.16*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,212.30	454.09
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-74.87*	
		For >20 To 40, Deduct	*-136.70*	
		For >40, Deduct	*-286.44*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,604.38	605.45
		For Galvanized Finish, Add	*41.80*	
		For >10 To 20, Deduct	*-86.01*	
		For >20 To 40, Deduct	*-158.09*	
		For >40, Deduct	*-330.11*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,464.38	264.88
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-50.63*	
		For >20 To 40, Deduct	*-91.91*	
		For >40, Deduct	*-193.17*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,598.04	302.72
		For Galvanized Finish, Add	*29.78*	
		For >10 To 20, Deduct	*-54.84*	
		For >20 To 40, Deduct	*-99.75*	
		For >40, Deduct	*-209.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,874.15	340.57
		For Galvanized Finish, Add	*35.79*	
		For >10 To 20, Deduct	*-64.75*	
		For >20 To 40, Deduct	*-117.57*	
		For >40, Deduct	*-247.07*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,981.24	378.40
		For Galvanized Finish, Add	*36.73*	
		For >10 To 20, Deduct	*-67.90*	
		For >20 To 40, Deduct	*-123.55*	
		For >40, Deduct	*-259.35*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,105.22	416.24
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-71.72*	
		For >20 To 40, Deduct	*-130.72*	
		For >40, Deduct	*-274.16*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,212.30	454.09
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-74.87*	
		For >20 To 40, Deduct	*-136.70*	
		For >40, Deduct	*-286.44*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,672.01	605.45
		For Galvanized Finish, Add	*43.83*	
		For >10 To 20, Deduct	*-88.72*	
		For >20 To 40, Deduct	*-162.82*	
		For >40, Deduct	*-340.26*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,948.95	681.12
		For Galvanized Finish, Add	*47.60*	
		For >10 To 20, Deduct	*-97.52*	
		For >20 To 40, Deduct	*-179.18*	
		For >40, Deduct	*-374.23*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,366.86	454.09
		For Galvanized Finish, Add	*43.76*	
		For >10 To 20, Deduct	*-81.05*	
		For >20 To 40, Deduct	*-147.52*	
		For >40, Deduct	*-309.62*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,703.40	605.45
		For Galvanized Finish, Add	*44.78*	
		For >10 To 20, Deduct	*-89.97*	
		For >20 To 40, Deduct	*-165.02*	
		For >40, Deduct	*-344.97*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,009.32	681.12
		For Galvanized Finish, Add	*49.41*	
		For >10 To 20, Deduct	*-99.94*	
		For >20 To 40, Deduct	*-183.41*	
		For >40, Deduct	*-383.29*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,912.66	454.09
		For Galvanized Finish, Add	*60.13*	
		For >10 To 20, Deduct	*-102.88*	
		For >20 To 40, Deduct	*-185.72*	
		For >40, Deduct	*-391.49*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,987.53	454.09
		For Galvanized Finish, Add	*62.38*	
		For >10 To 20, Deduct	*-105.88*	
		For >20 To 40, Deduct	*-190.96*	
		For >40, Deduct	*-402.72*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,454.48	605.45
		For Galvanized Finish, Add	*67.31*	
		For >10 To 20, Deduct	*-120.02*	
		For >20 To 40, Deduct	*-217.60*	
		For >40, Deduct	*-457.63*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,609.04	605.45
		For Galvanized Finish, Add	*71.94*	
		For >10 To 20, Deduct	*-126.20*	
		For >20 To 40, Deduct	*-228.41*	
		For >40, Deduct	*-480.81*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,847.35	681.12
		For Galvanized Finish, Add	*74.55*	
		For >10 To 20, Deduct	*-133.46*	
		For >20 To 40, Deduct	*-242.07*	
		For >40, Deduct	*-508.99*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,105.76	681.12
		For Galvanized Finish, Add	*82.31*	
		For >10 To 20, Deduct	*-143.80*	
		For >20 To 40, Deduct	*-260.16*	
		For >40, Deduct	*-547.75*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,234.56	718.97
		For Galvanized Finish, Add	*83.90*	
		For >10 To 20, Deduct	*-147.81*	
		For >20 To 40, Deduct	*-267.66*	
		For >40, Deduct	*-563.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,393.95	718.97
		For Galvanized Finish, Add	*88.68*	
		For >10 To 20, Deduct	*-154.19*	
		For >20 To 40, Deduct	*-278.82*	
		For >40, Deduct	*-587.20*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,775.53	718.97
		For Galvanized Finish, Add	*100.13*	
		For >10 To 20, Deduct	*-169.45*	
		For >20 To 40, Deduct	*-305.53*	
		For >40, Deduct	*-644.43*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,822.24	756.81
		For Galvanized Finish, Add	*99.26*	
		For >10 To 20, Deduct	*-170.19*	
		For >20 To 40, Deduct	*-307.28*	
		For >40, Deduct	*-647.66*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,889.86	756.81
		For Galvanized Finish, Add	*101.29*	
		For >10 To 20, Deduct	*-172.89*	
		For >20 To 40, Deduct	*-312.02*	
		For >40, Deduct	*-657.80*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,645.66	983.85
		For Galvanized Finish, Add	*140.34*	
		For >10 To 20, Deduct	*-236.31*	
		For >20 To 40, Deduct	*-425.84*	
		For >40, Deduct	*-898.46*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,933.89	1,135.21
		For Galvanized Finish, Add	*139.90*	
		For >10 To 20, Deduct	*-243.30*	
		For >20 To 40, Deduct	*-439.96*	
		For >40, Deduct	*-926.56*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,657.18	605.45
		For Galvanized Finish, Add	*103.39*	
		For >10 To 20, Deduct	*-168.12*	
		For >20 To 40, Deduct	*-301.78*	
		For >40, Deduct	*-638.03*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,286.72	681.12
		For Galvanized Finish, Add	*117.73*	
		For >10 To 20, Deduct	*-191.03*	
		For >20 To 40, Deduct	*-342.83*	
		For >40, Deduct	*-724.90*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,123.95	756.81
		For Galvanized Finish, Add	*138.31*	
		For >10 To 20, Deduct	*-222.25*	
		For >20 To 40, Deduct	*-398.40*	
		For >40, Deduct	*-842.91*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,399.16	983.85
		For Galvanized Finish, Add	*162.94*	
		For >10 To 20, Deduct	*-266.45*	
		For >20 To 40, Deduct	*-478.59*	
		For >40, Deduct	*-1,011.49*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,634.09	1,135.21
		For Galvanized Finish, Add	*190.91*	
		For >10 To 20, Deduct	*-311.31*	
		For >20 To 40, Deduct	*-558.98*	
		For >40, Deduct	*-1,181.59*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,617.01	1,135.21
		For Galvanized Finish, Add	*220.40*	
		For >10 To 20, Deduct	*-350.62*	
		For >20 To 40, Deduct	*-627.78*	
		For >40, Deduct	*-1,329.03*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,901.48	1,135.21
		For Galvanized Finish, Add	*318.93*	
		For >10 To 20, Deduct	*-482.00*	
		For >20 To 40, Deduct	*-857.70*	
		For >40, Deduct	*-1,821.70*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	14,495.41	1,135.21
		For Galvanized Finish, Add	*366.75*	
		For >10 To 20, Deduct	*-545.76*	
		For >20 To 40, Deduct	*-969.27*	
		For >40, Deduct	*-2,060.79*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,382.27	264.88
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-47.34*	
		For >20 To 40, Deduct	*-86.16*	
		For >40, Deduct	*-180.85*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,457.96	302.72
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-49.24*	
		For >20 To 40, Deduct	*-89.95*	
		For >40, Deduct	*-188.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,574.69	340.57
		For Galvanized Finish, Add	*26.81*	
		For >10 To 20, Deduct	*-52.77*	
		For >20 To 40, Deduct	*-96.61*	
		For >40, Deduct	*-202.15*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,670.50	359.49
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-56.04*	
		For >20 To 40, Deduct	*-102.56*	
		For >40, Deduct	*-214.63*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,708.34	378.40
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-56.98*	
		For >20 To 40, Deduct	*-104.45*	
		For >40, Deduct	*-218.41*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,810.59	416.24
		For Galvanized Finish, Add	*29.34*	
		For >10 To 20, Deduct	*-59.94*	
		For >20 To 40, Deduct	*-110.09*	
		For >40, Deduct	*-229.96*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,908.00	454.09
		For Galvanized Finish, Add	*29.99*	
		For >10 To 20, Deduct	*-62.70*	
		For >20 To 40, Deduct	*-115.40*	
		For >40, Deduct	*-240.79*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,355.63	605.45
		For Galvanized Finish, Add	*34.34*	
		For >10 To 20, Deduct	*-76.06*	
		For >20 To 40, Deduct	*-140.68*	
		For >40, Deduct	*-292.80*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,234.03	454.09
		For Galvanized Finish, Add	*39.78*	
		For >10 To 20, Deduct	*-75.74*	
		For >20 To 40, Deduct	*-138.22*	
		For >40, Deduct	*-289.70*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,804.83	605.45
		For Galvanized Finish, Add	*47.82*	
		For >10 To 20, Deduct	*-94.03*	
		For >20 To 40, Deduct	*-172.12*	
		For >40, Deduct	*-360.18*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,219.43	681.12
		For Galvanized Finish, Add	*55.72*	
		For >10 To 20, Deduct	*-108.34*	
		For >20 To 40, Deduct	*-198.11*	
		For >40, Deduct	*-414.80*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,144.68	454.09
		For Galvanized Finish, Add	*37.10*	
		For >10 To 20, Deduct	*-72.16*	
		For >20 To 40, Deduct	*-131.96*	
		For >40, Deduct	*-276.29*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,630.95	605.45
		For Galvanized Finish, Add	*42.60*	
		For >10 To 20, Deduct	*-87.07*	
		For >20 To 40, Deduct	*-159.95*	
		For >40, Deduct	*-334.10*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,069.70	681.12
		For Galvanized Finish, Add	*51.22*	
		For >10 To 20, Deduct	*-102.35*	
		For >20 To 40, Deduct	*-187.63*	
		For >40, Deduct	*-392.34*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,451.39	454.09
		For Galvanized Finish, Add	*46.30*	
		For >10 To 20, Deduct	*-84.43*	
		For >20 To 40, Deduct	*-153.43*	
		For >40, Deduct	*-322.30*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,022.19	605.45
		For Galvanized Finish, Add	*54.34*	
		For >10 To 20, Deduct	*-102.72*	
		For >20 To 40, Deduct	*-187.34*	
		For >40, Deduct	*-392.78*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,424.71	681.12
		For Galvanized Finish, Add	*61.87*	
		For >10 To 20, Deduct	*-116.55*	
		For >20 To 40, Deduct	*-212.48*	
		For >40, Deduct	*-445.59*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,799.85	718.97
		For Galvanized Finish, Add	*70.86*	
		For >10 To 20, Deduct	*-130.43*	
		For >20 To 40, Deduct	*-237.23*	
		For >40, Deduct	*-498.08*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,900.48	681.12
		For Galvanized Finish, Add	*76.15*	
		For >10 To 20, Deduct	*-135.59*	
		For >20 To 40, Deduct	*-245.79*	
		For >40, Deduct	*-516.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,278.03	718.97
		For Galvanized Finish, Add	*85.20*	
		For >10 To 20, Deduct	*-149.55*	
		For >20 To 40, Deduct	*-270.70*	
		For >40, Deduct	*-569.81*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,525.19	756.81
		For Galvanized Finish, Add	*90.35*	
		For >10 To 20, Deduct	*-158.30*	
		For >20 To 40, Deduct	*-286.49*	
		For >40, Deduct	*-603.10*	
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*		
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,912.83	454.09
		For Galvanized Finish, Add	*120.14*	
		For >10 To 20, Deduct	*-182.89*	
		For >20 To 40, Deduct	*-325.73*	
		For >40, Deduct	*-691.52*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,487.84	605.45
		For Galvanized Finish, Add	*128.31*	
		For >10 To 20, Deduct	*-201.35*	
		For >20 To 40, Deduct	*-359.93*	
		For >40, Deduct	*-762.63*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,673.64	681.12
		For Galvanized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-286.51*	
		For >20 To 40, Deduct	*-509.91*	
		For >40, Deduct	*-1,082.93*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,010.44	454.09
		For Galvanized Finish, Add	*123.07*	
		For >10 To 20, Deduct	*-186.80*	
		For >20 To 40, Deduct	*-332.57*	
		For >40, Deduct	*-706.16*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,055.53	605.45
		For Galvanized Finish, Add	*145.34*	
		For >10 To 20, Deduct	*-224.06*	
		For >20 To 40, Deduct	*-399.67*	
		For >40, Deduct	*-847.78*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,518.76	681.12
		For Galvanized Finish, Add	*214.70*	
		For >10 To 20, Deduct	*-320.32*	
		For >20 To 40, Deduct	*-569.07*	
		For >40, Deduct	*-1,209.70*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,773.48	718.97
		For Galvanized Finish, Add	*250.07*	
		For >10 To 20, Deduct	*-369.37*	
		For >20 To 40, Deduct	*-655.39*	
		For >40, Deduct	*-1,394.13*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,485.45	756.81
		For Galvanized Finish, Add	*299.15*	
		For >10 To 20, Deduct	*-436.71*	
		For >20 To 40, Deduct	*-773.71*	
		For >40, Deduct	*-1,647.14*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,758.70	454.09
		For Galvanized Finish, Add	*115.52*	
		For >10 To 20, Deduct	*-176.73*	
		For >20 To 40, Deduct	*-314.95*	
		For >40, Deduct	*-668.40*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,241.25	605.45
		For Galvanized Finish, Add	*120.91*	
		For >10 To 20, Deduct	*-191.49*	
		For >20 To 40, Deduct	*-342.67*	
		For >40, Deduct	*-725.64*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,239.53	681.12
		For Galvanized Finish, Add	*176.32*	
		For >10 To 20, Deduct	*-269.15*	
		For >20 To 40, Deduct	*-479.52*	
		For >40, Deduct	*-1,017.82*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,935.95	454.09
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-183.82*	
		For >20 To 40, Deduct	*-327.35*	
		For >40, Deduct	*-694.98*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,824.35	605.45
		For Galvanized Finish, Add	*138.40*	
		For >10 To 20, Deduct	*-214.81*	
		For >20 To 40, Deduct	*-383.49*	
		For >40, Deduct	*-813.11*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,197.66	681.12
		For Galvanized Finish, Add	*205.06*	
		For >10 To 20, Deduct	*-307.47*	
		For >20 To 40, Deduct	*-546.59*	
		For >40, Deduct	*-1,161.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,208.23	454.09
		For Galvanized Finish, Add	*129.00*	
		For >10 To 20, Deduct	*-194.71*	
		For >20 To 40, Deduct	*-346.41*	
		For >40, Deduct	*-735.83*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,314.98	605.45
		For Galvanized Finish, Add	*153.12*	
		For >10 To 20, Deduct	*-234.44*	
		For >20 To 40, Deduct	*-417.83*	
		For >40, Deduct	*-886.70*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,775.63	681.12
		For Galvanized Finish, Add	*222.40*	
		For >10 To 20, Deduct	*-330.59*	
		For >20 To 40, Deduct	*-587.05*	
		For >40, Deduct	*-1,248.23*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,086.86	718.97
		For Galvanized Finish, Add	*259.47*	
		For >10 To 20, Deduct	*-381.91*	
		For >20 To 40, Deduct	*-677.32*	
		For >40, Deduct	*-1,441.13*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,652.42	756.81
		For Galvanized Finish, Add	*304.16*	
		For >10 To 20, Deduct	*-443.39*	
		For >20 To 40, Deduct	*-785.40*	
		For >40, Deduct	*-1,672.18*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,726.53	454.09
		For Galvanized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-135.44*	
		For >20 To 40, Deduct	*-242.69*	
		For >40, Deduct	*-513.57*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,526.76	605.45
		For Galvanized Finish, Add	*99.48*	
		For >10 To 20, Deduct	*-162.91*	
		For >20 To 40, Deduct	*-292.66*	
		For >40, Deduct	*-618.47*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,037.97	681.12
		For Galvanized Finish, Add	*110.27*	
		For >10 To 20, Deduct	*-181.08*	
		For >20 To 40, Deduct	*-325.41*	
		For >40, Deduct	*-687.58*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,589.40	718.97
		For Galvanized Finish, Add	*124.54*	
		For >10 To 20, Deduct	*-202.01*	
		For >20 To 40, Deduct	*-362.50*	
		For >40, Deduct	*-766.51*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,892.11	756.81
		For Galvanized Finish, Add	*131.35*	
		For >10 To 20, Deduct	*-212.98*	
		For >20 To 40, Deduct	*-382.18*	
		For >40, Deduct	*-808.14*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,810.89	454.09
		For Galvanized Finish, Add	*117.08*	
		For >10 To 20, Deduct	*-178.81*	
		For >20 To 40, Deduct	*-318.60*	
		For >40, Deduct	*-676.23*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,376.86	605.45
		For Galvanized Finish, Add	*124.98*	
		For >10 To 20, Deduct	*-196.91*	
		For >20 To 40, Deduct	*-352.16*	
		For >40, Deduct	*-745.98*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,733.50	681.12
		For Galvanized Finish, Add	*131.14*	
		For >10 To 20, Deduct	*-208.91*	
		For >20 To 40, Deduct	*-374.10*	
		For >40, Deduct	*-791.91*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,371.07	681.12
		For Galvanized Finish, Add	*150.26*	
		For >10 To 20, Deduct	*-234.41*	
		For >20 To 40, Deduct	*-418.73*	
		For >40, Deduct	*-887.55*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,905.60	718.97
		For Galvanized Finish, Add	*164.03*	
		For >10 To 20, Deduct	*-254.66*	
		For >20 To 40, Deduct	*-454.63*	
		For >40, Deduct	*-963.94*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,695.32	718.97
		For Galvanized Finish, Add	*187.72*	
		For >10 To 20, Deduct	*-286.24*	
		For >20 To 40, Deduct	*-509.91*	
		For >40, Deduct	*-1,082.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0285		EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,017.52	756.81
			For Galvanized Finish, Add	*165.12*	
			For >10 To 20, Deduct	*-258.00*	
			For >20 To 40, Deduct	*-460.95*	
			For >40, Deduct	*-976.95*	
26 56 13 00-0286		EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,961.63	756.81
			For Galvanized Finish, Add	*223.44*	
			For >10 To 20, Deduct	*-335.76*	
			For >20 To 40, Deduct	*-597.04*	
			For >40, Deduct	*-1,268.56*	
26 56 13 00-0287		EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,290.31	983.85
			For Galvanized Finish, Add	*189.68*	
			For >10 To 20, Deduct	*-302.10*	
			For >20 To 40, Deduct	*-540.97*	
			For >40, Deduct	*-1,145.16*	
26 56 13 00-0288		EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,616.17	983.85
			For Galvanized Finish, Add	*229.45*	
			For >10 To 20, Deduct	*-355.13*	
			For >20 To 40, Deduct	*-633.78*	
			For >40, Deduct	*-1,344.04*	
26 56 13 00-0289		EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,986.51	1,135.21
			For Galvanized Finish, Add	*231.48*	
			For >10 To 20, Deduct	*-365.40*	
			For >20 To 40, Deduct	*-653.65*	
			For >40, Deduct	*-1,384.46*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291		EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	85.62
26 56 13 00-0292		EA	Extra Handhole For Steel Area Light Poles	127.34
26 56 13 00-0293		EA	Vibration Dampener For Steel Area Light Poles	129.53

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297		EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	864.21	227.04
			For Bronze Or Satin Anodized Finish, Add	*41.01*	
			For Black Anodized Finish, Add	*82.02*	
			For >10 To 20, Deduct	*-27.76*	
			For >20 To 40, Deduct	*-51.41*	
			For >40, Deduct	*-106.93*	
26 56 13 00-0298		EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	960.92	264.88
			For Bronze Or Satin Anodized Finish, Add	*43.12*	
			For Black Anodized Finish, Add	*86.23*	
			For >10 To 20, Deduct	*-30.49*	
			For >20 To 40, Deduct	*-56.67*	
			For >40, Deduct	*-117.65*	
26 56 13 00-0299		EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,062.90	302.72
			For Bronze Or Satin Anodized Finish, Add	*45.75*	
			For Black Anodized Finish, Add	*91.49*	
			For >10 To 20, Deduct	*-33.43*	
			For >20 To 40, Deduct	*-62.29*	
			For >40, Deduct	*-129.16*	
26 56 13 00-0300		EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,165.91	340.57
			For Bronze Or Satin Anodized Finish, Add	*48.48*	
			For Black Anodized Finish, Add	*96.96*	
			For >10 To 20, Deduct	*-36.42*	
			For >20 To 40, Deduct	*-67.99*	
			For >40, Deduct	*-140.83*	
26 56 13 00-0301		EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,221.63	359.49
			For Bronze Or Satin Anodized Finish, Add	*50.27*	
			For Black Anodized Finish, Add	*100.53*	
			For >10 To 20, Deduct	*-38.08*	
			For >20 To 40, Deduct	*-71.13*	
			For >40, Deduct	*-147.30*	
26 56 13 00-0302		EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,276.30	378.40
			For Bronze Or Satin Anodized Finish, Add	*51.95*	
			For Black Anodized Finish, Add	*103.90*	
			For >10 To 20, Deduct	*-39.70*	
			For >20 To 40, Deduct	*-74.20*	
			For >40, Deduct	*-153.60*	
26 56 13 00-0303		EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,339.40	378.40
			For Bronze Or Satin Anodized Finish, Add	*58.26*	
			For Black Anodized Finish, Add	*116.52*	
			For >10 To 20, Deduct	*-42.22*	
			For >20 To 40, Deduct	*-78.62*	
			For >40, Deduct	*-163.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,455.04	416.24
		For Bronze Or Satin Anodized Finish, Add	*62.26*	
		For Black Anodized Finish, Add	*124.51*	
		For >10 To 20, Deduct	*-45.71*	
		For >20 To 40, Deduct	*-85.20*	
		For >40, Deduct	*-176.63*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,564.37	454.09
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.24*	
		For >10 To 20, Deduct	*-48.95*	
		For >20 To 40, Deduct	*-91.34*	
		For >40, Deduct	*-189.25*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,454.04	359.49
		For Bronze Or Satin Anodized Finish, Add	*73.51*	
		For Black Anodized Finish, Add	*147.01*	
		For >10 To 20, Deduct	*-47.38*	
		For >20 To 40, Deduct	*-87.40*	
		For >40, Deduct	*-182.16*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,796.77	454.09
		For Bronze Or Satin Anodized Finish, Add	*88.86*	
		For Black Anodized Finish, Add	*177.72*	
		For >10 To 20, Deduct	*-58.25*	
		For >20 To 40, Deduct	*-107.61*	
		For >40, Deduct	*-224.11*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,914.55	454.09
		For Bronze Or Satin Anodized Finish, Add	*100.64*	
		For Black Anodized Finish, Add	*201.28*	
		For >10 To 20, Deduct	*-62.96*	
		For >20 To 40, Deduct	*-115.86*	
		For >40, Deduct	*-241.77*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,327.70	605.45
		For Bronze Or Satin Anodized Finish, Add	*111.68*	
		For Black Anodized Finish, Add	*223.36*	
		For >10 To 20, Deduct	*-74.94*	
		For >20 To 40, Deduct	*-138.72*	
		For >40, Deduct	*-288.61*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,688.33	681.12
		For Bronze Or Satin Anodized Finish, Add	*132.61*	
		For Black Anodized Finish, Add	*265.21*	
		For >10 To 20, Deduct	*-87.10*	
		For >20 To 40, Deduct	*-160.94*	
		For >40, Deduct	*-335.14*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,636.93	454.09
		For Bronze Or Satin Anodized Finish, Add	*72.88*	
		For Black Anodized Finish, Add	*145.75*	
		For >10 To 20, Deduct	*-51.85*	
		For >20 To 40, Deduct	*-96.42*	
		For >40, Deduct	*-200.13*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,905.09	454.09
		For Bronze Or Satin Anodized Finish, Add	*99.69*	
		For Black Anodized Finish, Add	*199.38*	
		For >10 To 20, Deduct	*-62.58*	
		For >20 To 40, Deduct	*-115.19*	
		For >40, Deduct	*-240.36*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,310.87	605.45
		For Bronze Or Satin Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*219.99*	
		For >10 To 20, Deduct	*-74.27*	
		For >20 To 40, Deduct	*-137.54*	
		For >40, Deduct	*-286.09*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,463.36	605.45
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-80.37*	
		For >20 To 40, Deduct	*-148.22*	
		For >40, Deduct	*-308.96*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,860.79	681.12
		For Bronze Or Satin Anodized Finish, Add	*149.85*	
		For Black Anodized Finish, Add	*299.71*	
		For >10 To 20, Deduct	*-94.00*	
		For >20 To 40, Deduct	*-173.01*	
		For >40, Deduct	*-361.01*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	971.48	227.04
		For Bronze, Satin Or Black Anodized Finish, Add	*77.61*	
		For >10 To 20, Deduct	*-32.05*	
		For >20 To 40, Deduct	*-58.92*	
		For >40, Deduct	*-123.02*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,089.21	264.88
		For Bronze, Satin Or Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-35.62*	
		For >20 To 40, Deduct	*-65.65*	
		For >40, Deduct	*-136.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,202.76	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*89.60*	
		For >10 To 20, Deduct	*-39.03*	
		For >20 To 40, Deduct	*-72.08*	
		For >40, Deduct	*-150.14*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,296.31	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*92.28*	
		For >10 To 20, Deduct	*-41.64*	
		For >20 To 40, Deduct	*-77.12*	
		For >40, Deduct	*-160.39*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,402.49	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*96.85*	
		For >10 To 20, Deduct	*-44.75*	
		For >20 To 40, Deduct	*-83.04*	
		For >40, Deduct	*-172.53*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,111.29	264.88
		For Bronze, Satin Or Black Anodized Finish, Add	*87.23*	
		For >10 To 20, Deduct	*-36.51*	
		For >20 To 40, Deduct	*-67.20*	
		For >40, Deduct	*-140.21*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,222.74	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*92.59*	
		For >10 To 20, Deduct	*-39.83*	
		For >20 To 40, Deduct	*-73.48*	
		For >40, Deduct	*-153.14*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,337.32	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-43.28*	
		For >20 To 40, Deduct	*-79.99*	
		For >40, Deduct	*-166.54*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,450.87	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*104.11*	
		For >10 To 20, Deduct	*-46.68*	
		For >20 To 40, Deduct	*-86.42*	
		For >40, Deduct	*-179.79*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,569.66	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-50.30*	
		For >20 To 40, Deduct	*-93.23*	
		For >40, Deduct	*-193.82*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,682.15	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*116.10*	
		For >10 To 20, Deduct	*-53.66*	
		For >20 To 40, Deduct	*-99.59*	
		For >40, Deduct	*-206.91*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,263.75	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*98.75*	
		For >10 To 20, Deduct	*-41.47*	
		For >20 To 40, Deduct	*-76.35*	
		For >40, Deduct	*-159.29*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,385.69	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*105.69*	
		For >10 To 20, Deduct	*-45.21*	
		For >20 To 40, Deduct	*-83.38*	
		For >40, Deduct	*-173.80*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,506.60	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*112.47*	
		For >10 To 20, Deduct	*-48.91*	
		For >20 To 40, Deduct	*-90.33*	
		For >40, Deduct	*-188.15*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,629.60	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*119.57*	
		For >10 To 20, Deduct	*-52.70*	
		For >20 To 40, Deduct	*-97.42*	
		For >40, Deduct	*-202.82*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,565.49	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*121.30*	
		For >10 To 20, Deduct	*-51.27*	
		For >20 To 40, Deduct	*-94.45*	
		For >40, Deduct	*-196.98*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,819.91	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*136.76*	
		For >10 To 20, Deduct	*-59.17*	
		For >20 To 40, Deduct	*-109.23*	
		For >40, Deduct	*-227.58*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,302.66	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*104.58*	
		For >10 To 20, Deduct	*-43.02*	
		For >20 To 40, Deduct	*-79.08*	
		For >40, Deduct	*-165.13*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,436.17	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*113.26*	
		For >10 To 20, Deduct	*-47.23*	
		For >20 To 40, Deduct	*-86.91*	
		For >40, Deduct	*-181.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,559.18	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*120.36*	
		For >10 To 20, Deduct	*-51.02*	
		For >20 To 40, Deduct	*-94.01*	
		For >40, Deduct	*-196.04*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,688.49	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-55.05*	
		For >20 To 40, Deduct	*-101.54*	
		For >40, Deduct	*-211.65*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,814.65	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*135.97*	
		For >10 To 20, Deduct	*-58.96*	
		For >20 To 40, Deduct	*-108.86*	
		For >40, Deduct	*-226.79*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,635.95	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*131.87*	
		For >10 To 20, Deduct	*-54.09*	
		For >20 To 40, Deduct	*-99.38*	
		For >40, Deduct	*-207.55*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,774.72	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*141.33*	
		For >10 To 20, Deduct	*-58.50*	
		For >20 To 40, Deduct	*-107.58*	
		For >40, Deduct	*-224.58*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,847.25	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*140.86*	
		For >10 To 20, Deduct	*-60.27*	
		For >20 To 40, Deduct	*-111.14*	
		For >40, Deduct	*-231.68*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	765.39	189.21
		For Bronze Or Satin Anodized Finish, Add	*38.70*	
		For Black Anodized Finish, Add	*77.40*	
		For >10 To 20, Deduct	*-24.94*	
		For >20 To 40, Deduct	*-46.01*	
		For >40, Deduct	*-95.89*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	823.21	208.13
		For Bronze Or Satin Anodized Finish, Add	*40.70*	
		For Black Anodized Finish, Add	*81.39*	
		For >10 To 20, Deduct	*-26.68*	
		For >20 To 40, Deduct	*-49.30*	
		For >40, Deduct	*-102.67*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	908.38	227.04
		For Bronze Or Satin Anodized Finish, Add	*45.43*	
		For Black Anodized Finish, Add	*90.86*	
		For >10 To 20, Deduct	*-29.52*	
		For >20 To 40, Deduct	*-54.50*	
		For >40, Deduct	*-113.55*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	932.57	227.04
		For Bronze Or Satin Anodized Finish, Add	*47.85*	
		For Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-30.49*	
		For >20 To 40, Deduct	*-56.20*	
		For >40, Deduct	*-117.18*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	963.06	227.04
		For Bronze Or Satin Anodized Finish, Add	*50.90*	
		For Black Anodized Finish, Add	*101.79*	
		For >10 To 20, Deduct	*-31.71*	
		For >20 To 40, Deduct	*-58.33*	
		For >40, Deduct	*-121.75*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,093.45	245.96
		For Bronze Or Satin Anodized Finish, Add	*60.15*	
		For Black Anodized Finish, Add	*120.30*	
		For >10 To 20, Deduct	*-36.36*	
		For >20 To 40, Deduct	*-66.70*	
		For >40, Deduct	*-139.42*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,170.18	264.88
		For Bronze Or Satin Anodized Finish, Add	*64.04*	
		For Black Anodized Finish, Add	*128.08*	
		For >10 To 20, Deduct	*-38.86*	
		For >20 To 40, Deduct	*-71.32*	
		For >40, Deduct	*-149.04*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,333.18	264.88
		For Bronze Or Satin Anodized Finish, Add	*80.34*	
		For Black Anodized Finish, Add	*160.68*	
		For >10 To 20, Deduct	*-45.38*	
		For >20 To 40, Deduct	*-82.73*	
		For >40, Deduct	*-173.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,618.14	302.72
		For Bronze Or Satin Anodized Finish, Add	*101.27*	
		For Black Anodized Finish, Add	*202.54*	
		For >10 To 20, Deduct	*-55.64*	
		For >20 To 40, Deduct	*-101.16*	
		For >40, Deduct	*-212.45*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,834.73	340.57
		For Bronze Or Satin Anodized Finish, Add	*115.36*	
		For Black Anodized Finish, Add	*230.72*	
		For >10 To 20, Deduct	*-63.17*	
		For >20 To 40, Deduct	*-114.81*	
		For >40, Deduct	*-241.15*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,027.17	340.57
		For Bronze Or Satin Anodized Finish, Add	*134.61*	
		For Black Anodized Finish, Add	*269.21*	
		For >10 To 20, Deduct	*-70.87*	
		For >20 To 40, Deduct	*-128.28*	
		For >40, Deduct	*-270.02*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	751.69	227.04
		For Bronze Or Satin Anodized Finish, Add	*29.76*	
		For Black Anodized Finish, Add	*59.52*	
		For >10 To 20, Deduct	*-23.26*	
		For >20 To 40, Deduct	*-43.54*	
		For >40, Deduct	*-90.05*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	851.55	264.88
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.36*	
		For >10 To 20, Deduct	*-26.12*	
		For >20 To 40, Deduct	*-49.01*	
		For >40, Deduct	*-101.24*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	951.43	302.72
		For Bronze Or Satin Anodized Finish, Add	*34.60*	
		For Black Anodized Finish, Add	*69.20*	
		For >10 To 20, Deduct	*-28.98*	
		For >20 To 40, Deduct	*-54.49*	
		For >40, Deduct	*-112.44*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,060.75	340.57
		For Bronze Or Satin Anodized Finish, Add	*37.96*	
		For Black Anodized Finish, Add	*75.93*	
		For >10 To 20, Deduct	*-32.21*	
		For >20 To 40, Deduct	*-60.63*	
		For >40, Deduct	*-125.06*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,169.04	378.40
		For Bronze Or Satin Anodized Finish, Add	*41.22*	
		For Black Anodized Finish, Add	*82.45*	
		For >10 To 20, Deduct	*-35.41*	
		For >20 To 40, Deduct	*-66.70*	
		For >40, Deduct	*-137.52*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	878.89	264.88
		For Bronze Or Satin Anodized Finish, Add	*34.91*	
		For Black Anodized Finish, Add	*69.83*	
		For >10 To 20, Deduct	*-27.21*	
		For >20 To 40, Deduct	*-50.93*	
		For >40, Deduct	*-105.35*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	994.54	302.72
		For Bronze Or Satin Anodized Finish, Add	*38.91*	
		For Black Anodized Finish, Add	*77.82*	
		For >10 To 20, Deduct	*-30.70*	
		For >20 To 40, Deduct	*-57.51*	
		For >40, Deduct	*-118.91*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,107.02	340.57
		For Bronze Or Satin Anodized Finish, Add	*42.59*	
		For Black Anodized Finish, Add	*85.18*	
		For >10 To 20, Deduct	*-34.06*	
		For >20 To 40, Deduct	*-63.87*	
		For >40, Deduct	*-132.00*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,324.64	416.24
		For Bronze Or Satin Anodized Finish, Add	*49.22*	
		For Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-40.50*	
		For >20 To 40, Deduct	*-76.08*	
		For >40, Deduct	*-157.07*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,426.61	454.09
		For Bronze Or Satin Anodized Finish, Add	*51.84*	
		For Black Anodized Finish, Add	*103.69*	
		For >10 To 20, Deduct	*-43.44*	
		For >20 To 40, Deduct	*-81.70*	
		For >40, Deduct	*-168.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,033.45	302.72
		For Bronze Or Satin Anodized Finish, Add	*42.80*	
		For Black Anodized Finish, Add	*85.60*	
		For >10 To 20, Deduct	*-32.26*	
		For >20 To 40, Deduct	*-60.23*	
		For >40, Deduct	*-124.75*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,152.24	340.57
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-35.87*	
		For >20 To 40, Deduct	*-67.03*	
		For >40, Deduct	*-138.78*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,278.40	378.40
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-39.78*	
		For >20 To 40, Deduct	*-74.35*	
		For >40, Deduct	*-153.92*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,385.63	416.24
		For Bronze Or Satin Anodized Finish, Add	*55.31*	
		For Black Anodized Finish, Add	*110.63*	
		For >10 To 20, Deduct	*-42.94*	
		For >20 To 40, Deduct	*-80.34*	
		For >40, Deduct	*-166.22*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,507.58	454.09
		For Bronze Or Satin Anodized Finish, Add	*59.94*	
		For Black Anodized Finish, Add	*119.88*	
		For >10 To 20, Deduct	*-46.68*	
		For >20 To 40, Deduct	*-87.37*	
		For >40, Deduct	*-180.73*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,381.46	378.40
		For Bronze Or Satin Anodized Finish, Add	*62.47*	
		For Black Anodized Finish, Add	*124.93*	
		For >10 To 20, Deduct	*-43.91*	
		For >20 To 40, Deduct	*-81.57*	
		For >40, Deduct	*-169.38*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,517.08	416.24
		For Bronze Or Satin Anodized Finish, Add	*68.46*	
		For Black Anodized Finish, Add	*136.92*	
		For >10 To 20, Deduct	*-48.20*	
		For >20 To 40, Deduct	*-89.55*	
		For >40, Deduct	*-185.94*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,609.59	454.09
		For Bronze Or Satin Anodized Finish, Add	*70.14*	
		For Black Anodized Finish, Add	*140.28*	
		For >10 To 20, Deduct	*-50.76*	
		For >20 To 40, Deduct	*-94.51*	
		For >40, Deduct	*-196.03*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,854.54	529.76
		For Bronze Or Satin Anodized Finish, Add	*79.50*	
		For Black Anodized Finish, Add	*159.00*	
		For >10 To 20, Deduct	*-58.29*	
		For >20 To 40, Deduct	*-108.63*	
		For >40, Deduct	*-225.20*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,105.81	605.45
		For Bronze Or Satin Anodized Finish, Add	*89.49*	
		For Black Anodized Finish, Add	*178.98*	
		For >10 To 20, Deduct	*-66.07*	
		For >20 To 40, Deduct	*-123.19*	
		For >40, Deduct	*-255.33*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,620.14	416.24
		For Bronze Or Satin Anodized Finish, Add	*78.77*	
		For Black Anodized Finish, Add	*157.53*	
		For >10 To 20, Deduct	*-52.32*	
		For >20 To 40, Deduct	*-96.76*	
		For >40, Deduct	*-201.40*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,734.73	454.09
		For Bronze Or Satin Anodized Finish, Add	*82.66*	
		For Black Anodized Finish, Add	*165.31*	
		For >10 To 20, Deduct	*-55.77*	
		For >20 To 40, Deduct	*-103.27*	
		For >40, Deduct	*-214.80*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,953.39	529.76
		For Bronze Or Satin Anodized Finish, Add	*89.39*	
		For Black Anodized Finish, Add	*178.77*	
		For >10 To 20, Deduct	*-62.24*	
		For >20 To 40, Deduct	*-115.55*	
		For >40, Deduct	*-240.03*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,181.53	605.45
		For Bronze Or Satin Anodized Finish, Add	*97.06*	
		For Black Anodized Finish, Add	*194.13*	
		For >10 To 20, Deduct	*-69.10*	
		For >20 To 40, Deduct	*-128.49*	
		For >40, Deduct	*-266.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,342.38	643.29
		For Bronze Or Satin Anodized Finish, Add	*105.58*	
		For Black Anodized Finish, Add	*211.16*	
		For >10 To 20, Deduct	*-74.40*	
		For >20 To 40, Deduct	*-138.24*	
		For >40, Deduct	*-287.03*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,505.35	681.12
		For Bronze Or Satin Anodized Finish, Add	*114.31*	
		For Black Anodized Finish, Add	*228.62*	
		For >10 To 20, Deduct	*-79.78*	
		For >20 To 40, Deduct	*-148.13*	
		For >40, Deduct	*-307.69*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,051.19	529.76
		For Bronze Or Satin Anodized Finish, Add	*99.17*	
		For Black Anodized Finish, Add	*198.33*	
		For >10 To 20, Deduct	*-66.15*	
		For >20 To 40, Deduct	*-122.39*	
		For >40, Deduct	*-254.70*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,246.73	605.45
		For Bronze Or Satin Anodized Finish, Add	*103.58*	
		For Black Anodized Finish, Add	*207.17*	
		For >10 To 20, Deduct	*-71.71*	
		For >20 To 40, Deduct	*-133.05*	
		For >40, Deduct	*-276.46*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,412.83	643.29
		For Bronze Or Satin Anodized Finish, Add	*112.63*	
		For Black Anodized Finish, Add	*225.25*	
		For >10 To 20, Deduct	*-77.21*	
		For >20 To 40, Deduct	*-143.17*	
		For >40, Deduct	*-297.60*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,614.72	681.12
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-84.15*	
		For >20 To 40, Deduct	*-155.79*	
		For >40, Deduct	*-324.10*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,699.87	700.05
		For Bronze Or Satin Anodized Finish, Add	*129.98*	
		For Black Anodized Finish, Add	*259.96*	
		For >10 To 20, Deduct	*-86.99*	
		For >20 To 40, Deduct	*-160.99*	
		For >40, Deduct	*-334.98*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,864.95	718.97
		For Bronze Or Satin Anodized Finish, Add	*142.70*	
		For Black Anodized Finish, Add	*285.40*	
		For >10 To 20, Deduct	*-93.03*	
		For >20 To 40, Deduct	*-171.79*	
		For >40, Deduct	*-357.85*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,076.57	302.72
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-33.98*	
		For >20 To 40, Deduct	*-63.25*	
		For >40, Deduct	*-131.21*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,202.71	340.57
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-37.89*	
		For >20 To 40, Deduct	*-70.57*	
		For >40, Deduct	*-146.35*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,333.09	378.40
		For Bronze Or Satin Anodized Finish, Add	*57.63*	
		For Black Anodized Finish, Add	*115.26*	
		For >10 To 20, Deduct	*-41.97*	
		For >20 To 40, Deduct	*-78.18*	
		For >40, Deduct	*-162.12*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,451.88	416.24
		For Bronze Or Satin Anodized Finish, Add	*61.94*	
		For Black Anodized Finish, Add	*123.88*	
		For >10 To 20, Deduct	*-45.59*	
		For >20 To 40, Deduct	*-84.98*	
		For >40, Deduct	*-176.16*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,569.63	454.09
		For Bronze Or Satin Anodized Finish, Add	*66.15*	
		For Black Anodized Finish, Add	*132.29*	
		For >10 To 20, Deduct	*-49.16*	
		For >20 To 40, Deduct	*-91.71*	
		For >40, Deduct	*-190.04*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,447.71	378.40
		For Bronze Or Satin Anodized Finish, Add	*69.09*	
		For Black Anodized Finish, Add	*138.18*	
		For >10 To 20, Deduct	*-46.56*	
		For >20 To 40, Deduct	*-86.20*	
		For >40, Deduct	*-179.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,586.49	416.24
		For Bronze Or Satin Anodized Finish, Add	*75.40*	
		For Black Anodized Finish, Add	*150.80*	
		For >10 To 20, Deduct	*-50.97*	
		For >20 To 40, Deduct	*-94.40*	
		For >40, Deduct	*-196.35*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,692.66	454.09
		For Bronze Or Satin Anodized Finish, Add	*78.45*	
		For Black Anodized Finish, Add	*156.90*	
		For >10 To 20, Deduct	*-54.08*	
		For >20 To 40, Deduct	*-100.32*	
		For >40, Deduct	*-208.49*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,932.36	529.76
		For Bronze Or Satin Anodized Finish, Add	*87.28*	
		For Black Anodized Finish, Add	*174.57*	
		For >10 To 20, Deduct	*-61.40*	
		For >20 To 40, Deduct	*-114.07*	
		For >40, Deduct	*-236.88*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,178.37	605.45
		For Bronze Or Satin Anodized Finish, Add	*96.75*	
		For Black Anodized Finish, Add	*193.49*	
		For >10 To 20, Deduct	*-68.97*	
		For >20 To 40, Deduct	*-128.27*	
		For >40, Deduct	*-266.21*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,170.02	529.76
		For Bronze Or Satin Anodized Finish, Add	*111.05*	
		For Black Anodized Finish, Add	*222.10*	
		For >10 To 20, Deduct	*-70.91*	
		For >20 To 40, Deduct	*-130.71*	
		For >40, Deduct	*-272.53*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,404.47	605.45
		For Bronze Or Satin Anodized Finish, Add	*119.36*	
		For Black Anodized Finish, Add	*238.71*	
		For >10 To 20, Deduct	*-78.02*	
		For >20 To 40, Deduct	*-144.09*	
		For >40, Deduct	*-300.13*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,583.19	643.29
		For Bronze Or Satin Anodized Finish, Add	*129.66*	
		For Black Anodized Finish, Add	*259.32*	
		For >10 To 20, Deduct	*-84.03*	
		For >20 To 40, Deduct	*-155.09*	
		For >40, Deduct	*-323.15*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,744.06	681.12
		For Bronze Or Satin Anodized Finish, Add	*138.18*	
		For Black Anodized Finish, Add	*276.36*	
		For >10 To 20, Deduct	*-89.33*	
		For >20 To 40, Deduct	*-164.84*	
		For >40, Deduct	*-343.50*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,883.90	700.05
		For Bronze Or Satin Anodized Finish, Add	*148.38*	
		For Black Anodized Finish, Add	*296.76*	
		For >10 To 20, Deduct	*-94.35*	
		For >20 To 40, Deduct	*-173.87*	
		For >40, Deduct	*-362.58*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,006.92	718.97
		For Bronze Or Satin Anodized Finish, Add	*156.90*	
		For Black Anodized Finish, Add	*313.80*	
		For >10 To 20, Deduct	*-98.71*	
		For >20 To 40, Deduct	*-181.73*	
		For >40, Deduct	*-379.14*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,113.12	737.89
		For Bronze Or Satin Anodized Finish, Add	*163.73*	
		For Black Anodized Finish, Add	*327.47*	
		For >10 To 20, Deduct	*-102.39*	
		For >20 To 40, Deduct	*-188.40*	
		For >40, Deduct	*-393.18*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,298.19	756.81
		For Bronze Or Satin Anodized Finish, Add	*178.46*	
		For Black Anodized Finish, Add	*356.91*	
		For >10 To 20, Deduct	*-109.22*	
		For >20 To 40, Deduct	*-200.60*	
		For >40, Deduct	*-419.05*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,037.48	643.29
		For Bronze Or Satin Anodized Finish, Add	*175.09*	
		For Black Anodized Finish, Add	*350.18*	
		For >10 To 20, Deduct	*-102.20*	
		For >20 To 40, Deduct	*-186.89*	
		For >40, Deduct	*-391.29*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,269.86	681.12
		For Bronze Or Satin Anodized Finish, Add	*190.76*	
		For Black Anodized Finish, Add	*381.52*	
		For >10 To 20, Deduct	*-110.36*	
		For >20 To 40, Deduct	*-201.65*	
		For >40, Deduct	*-422.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,430.73	700.05
		For Bronze Or Satin Anodized Finish, Add	*203.06*	
		For Black Anodized Finish, Add	*406.13*	
		For >10 To 20, Deduct	*-116.23*	
		For >20 To 40, Deduct	*-212.15*	
		For >40, Deduct	*-444.61*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,554.80	718.97
		For Bronze Or Satin Anodized Finish, Add	*211.69*	
		For Black Anodized Finish, Add	*423.37*	
		For >10 To 20, Deduct	*-120.62*	
		For >20 To 40, Deduct	*-220.08*	
		For >40, Deduct	*-461.32*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,627.35	737.89
		For Bronze Or Satin Anodized Finish, Add	*215.16*	
		For Black Anodized Finish, Add	*430.31*	
		For >10 To 20, Deduct	*-122.96*	
		For >20 To 40, Deduct	*-224.40*	
		For >40, Deduct	*-470.31*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,830.29	756.81
		For Bronze Or Satin Anodized Finish, Add	*231.67*	
		For Black Anodized Finish, Add	*463.33*	
		For >10 To 20, Deduct	*-130.51*	
		For >20 To 40, Deduct	*-237.85*	
		For >40, Deduct	*-498.86*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,893.41	643.29
		For Bronze Or Satin Anodized Finish, Add	*160.68*	
		For Black Anodized Finish, Add	*321.37*	
		For >10 To 20, Deduct	*-96.44*	
		For >20 To 40, Deduct	*-176.81*	
		For >40, Deduct	*-369.68*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,106.86	681.12
		For Bronze Or Satin Anodized Finish, Add	*174.46*	
		For Black Anodized Finish, Add	*348.92*	
		For >10 To 20, Deduct	*-103.84*	
		For >20 To 40, Deduct	*-190.24*	
		For >40, Deduct	*-397.92*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,192.02	700.05
		For Bronze Or Satin Anodized Finish, Add	*179.19*	
		For Black Anodized Finish, Add	*358.39*	
		For >10 To 20, Deduct	*-106.68*	
		For >20 To 40, Deduct	*-195.44*	
		For >40, Deduct	*-408.80*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,398.11	718.97
		For Bronze Or Satin Anodized Finish, Add	*196.02*	
		For Black Anodized Finish, Add	*392.04*	
		For >10 To 20, Deduct	*-114.36*	
		For >20 To 40, Deduct	*-209.11*	
		For >40, Deduct	*-437.82*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,503.26	737.89
		For Bronze Or Satin Anodized Finish, Add	*202.75*	
		For Black Anodized Finish, Add	*405.50*	
		For >10 To 20, Deduct	*-117.99*	
		For >20 To 40, Deduct	*-215.71*	
		For >40, Deduct	*-451.70*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,707.26	756.81
		For Bronze Or Satin Anodized Finish, Add	*219.36*	
		For Black Anodized Finish, Add	*438.73*	
		For >10 To 20, Deduct	*-125.59*	
		For >20 To 40, Deduct	*-229.24*	
		For >40, Deduct	*-480.41*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,551.72	643.29
		For Bronze Or Satin Anodized Finish, Add	*226.52*	
		For Black Anodized Finish, Add	*453.03*	
		For >10 To 20, Deduct	*-122.77*	
		For >20 To 40, Deduct	*-222.89*	
		For >40, Deduct	*-468.43*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,755.70	681.12
		For Bronze Or Satin Anodized Finish, Add	*239.34*	
		For Black Anodized Finish, Add	*478.69*	
		For >10 To 20, Deduct	*-129.79*	
		For >20 To 40, Deduct	*-235.65*	
		For >40, Deduct	*-495.24*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,918.67	700.05
		For Bronze Or Satin Anodized Finish, Add	*251.86*	
		For Black Anodized Finish, Add	*503.72*	
		For >10 To 20, Deduct	*-135.75*	
		For >20 To 40, Deduct	*-246.31*	
		For >40, Deduct	*-517.80*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,166.83	718.97
		For Bronze Or Satin Anodized Finish, Add	*272.89*	
		For Black Anodized Finish, Add	*545.78*	
		For >10 To 20, Deduct	*-145.10*	
		For >20 To 40, Deduct	*-262.92*	
		For >40, Deduct	*-553.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,227.82	737.89
		For Bronze Or Satin Anodized Finish, Add	*275.20*	
		For Black Anodized Finish, Add	*550.41*	
		For >10 To 20, Deduct	*-146.98*	
		For >20 To 40, Deduct	*-266.43*	
		For >40, Deduct	*-560.38*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,474.93	756.81
		For Bronze Or Satin Anodized Finish, Add	*296.13*	
		For Black Anodized Finish, Add	*592.26*	
		For >10 To 20, Deduct	*-156.29*	
		For >20 To 40, Deduct	*-282.97*	
		For >40, Deduct	*-595.56*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,718.63	1,135.21
		For Bronze Or Satin Anodized Finish, Add	*344.82*	
		For Black Anodized Finish, Add	*689.64*	
		For >10 To 20, Deduct	*-194.69*	
		For >20 To 40, Deduct	*-354.90*	
		For >40, Deduct	*-744.27*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,849.02	1,135.21
		For Bronze Or Satin Anodized Finish, Add	*357.86*	
		For Black Anodized Finish, Add	*715.72*	
		For >10 To 20, Deduct	*-199.90*	
		For >20 To 40, Deduct	*-364.02*	
		For >40, Deduct	*-763.83*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	977.79	227.04
		For Bronze, Satin Or Black Anodized Finish, Add	*78.56*	
		For >10 To 20, Deduct	*-32.30*	
		For >20 To 40, Deduct	*-59.36*	
		For >40, Deduct	*-123.96*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,075.54	264.88
		For Bronze, Satin Or Black Anodized Finish, Add	*81.87*	
		For >10 To 20, Deduct	*-35.08*	
		For >20 To 40, Deduct	*-64.69*	
		For >40, Deduct	*-134.84*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,174.37	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*85.34*	
		For >10 To 20, Deduct	*-37.89*	
		For >20 To 40, Deduct	*-70.10*	
		For >40, Deduct	*-145.88*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,275.27	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*89.12*	
		For >10 To 20, Deduct	*-40.79*	
		For >20 To 40, Deduct	*-75.65*	
		For >40, Deduct	*-157.23*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,375.15	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*92.75*	
		For >10 To 20, Deduct	*-43.65*	
		For >20 To 40, Deduct	*-81.12*	
		For >40, Deduct	*-168.43*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,088.16	264.88
		For Bronze, Satin Or Black Anodized Finish, Add	*83.76*	
		For >10 To 20, Deduct	*-35.58*	
		For >20 To 40, Deduct	*-65.58*	
		For >40, Deduct	*-136.74*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,189.09	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*87.55*	
		For >10 To 20, Deduct	*-38.48*	
		For >20 To 40, Deduct	*-71.13*	
		For >40, Deduct	*-148.09*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,292.10	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*91.65*	
		For >10 To 20, Deduct	*-41.47*	
		For >20 To 40, Deduct	*-76.82*	
		For >40, Deduct	*-159.76*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,394.08	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*95.59*	
		For >10 To 20, Deduct	*-44.41*	
		For >20 To 40, Deduct	*-82.45*	
		For >40, Deduct	*-171.27*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,509.72	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*101.58*	
		For >10 To 20, Deduct	*-47.90*	
		For >20 To 40, Deduct	*-89.03*	
		For >40, Deduct	*-184.83*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,615.90	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*106.16*	
		For >10 To 20, Deduct	*-51.01*	
		For >20 To 40, Deduct	*-94.95*	
		For >40, Deduct	*-196.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,230.10	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*93.70*	
		For >10 To 20, Deduct	*-40.12*	
		For >20 To 40, Deduct	*-74.00*	
		For >40, Deduct	*-154.24*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,338.37	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-43.32*	
		For >20 To 40, Deduct	*-80.06*	
		For >40, Deduct	*-166.70*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,459.28	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*105.37*	
		For >10 To 20, Deduct	*-47.02*	
		For >20 To 40, Deduct	*-87.01*	
		For >40, Deduct	*-181.05*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,569.66	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-50.30*	
		For >20 To 40, Deduct	*-93.23*	
		For >40, Deduct	*-193.82*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,693.72	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*117.83*	
		For >10 To 20, Deduct	*-54.13*	
		For >20 To 40, Deduct	*-100.40*	
		For >40, Deduct	*-208.65*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,519.22	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-49.42*	
		For >20 To 40, Deduct	*-91.21*	
		For >40, Deduct	*-190.04*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,650.63	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*122.72*	
		For >10 To 20, Deduct	*-53.54*	
		For >20 To 40, Deduct	*-98.89*	
		For >40, Deduct	*-205.97*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,758.91	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*127.61*	
		For >10 To 20, Deduct	*-56.73*	
		For >20 To 40, Deduct	*-104.96*	
		For >40, Deduct	*-218.43*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,262.70	302.72
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-41.43*	
		For >20 To 40, Deduct	*-76.28*	
		For >40, Deduct	*-159.13*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,387.80	340.57
		For Bronze, Satin Or Black Anodized Finish, Add	*106.00*	
		For >10 To 20, Deduct	*-45.30*	
		For >20 To 40, Deduct	*-83.52*	
		For >40, Deduct	*-174.11*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,519.22	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-49.42*	
		For >20 To 40, Deduct	*-91.21*	
		For >40, Deduct	*-190.04*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,638.02	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-53.03*	
		For >20 To 40, Deduct	*-98.01*	
		For >40, Deduct	*-204.08*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,764.17	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-56.94*	
		For >20 To 40, Deduct	*-105.33*	
		For >40, Deduct	*-219.22*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,587.57	378.40
		For Bronze, Satin Or Black Anodized Finish, Add	*124.61*	
		For >10 To 20, Deduct	*-52.15*	
		For >20 To 40, Deduct	*-95.99*	
		For >40, Deduct	*-200.30*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,727.40	416.24
		For Bronze, Satin Or Black Anodized Finish, Add	*134.24*	
		For >10 To 20, Deduct	*-56.61*	
		For >20 To 40, Deduct	*-104.27*	
		For >40, Deduct	*-217.49*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,840.94	454.09
		For Bronze, Satin Or Black Anodized Finish, Add	*139.92*	
		For >10 To 20, Deduct	*-60.02*	
		For >20 To 40, Deduct	*-110.70*	
		For >40, Deduct	*-230.73*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*
Note: Includes rubberized undercoating on embedded portion.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	689.67	189.21
		For Bronze Or Satin Anodized Finish, Add	*31.13*	
		For Black Anodized Finish, Add	*62.25*	
		For >10 To 20, Deduct	*-21.91*	
		For >20 To 40, Deduct	*-40.71*	
		For >40, Deduct	*-84.53*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	719.12	189.21
		For Bronze Or Satin Anodized Finish, Add	*34.07*	
		For Black Anodized Finish, Add	*68.14*	
		For >10 To 20, Deduct	*-23.09*	
		For >20 To 40, Deduct	*-42.77*	
		For >40, Deduct	*-88.95*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	781.15	208.13
		For Bronze Or Satin Anodized Finish, Add	*36.49*	
		For Black Anodized Finish, Add	*72.98*	
		For >10 To 20, Deduct	*-25.00*	
		For >20 To 40, Deduct	*-46.36*	
		For >40, Deduct	*-96.36*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	835.82	227.04
		For Bronze Or Satin Anodized Finish, Add	*38.17*	
		For Black Anodized Finish, Add	*76.35*	
		For >10 To 20, Deduct	*-26.62*	
		For >20 To 40, Deduct	*-49.43*	
		For >40, Deduct	*-102.67*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	873.68	227.04
		For Bronze Or Satin Anodized Finish, Add	*41.96*	
		For Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-28.14*	
		For >20 To 40, Deduct	*-52.08*	
		For >40, Deduct	*-108.35*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	809.54	208.13
		For Bronze Or Satin Anodized Finish, Add	*39.33*	
		For Black Anodized Finish, Add	*78.66*	
		For >10 To 20, Deduct	*-26.14*	
		For >20 To 40, Deduct	*-48.34*	
		For >40, Deduct	*-100.62*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	876.83	227.04
		For Bronze Or Satin Anodized Finish, Add	*42.27*	
		For Black Anodized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-28.26*	
		For >20 To 40, Deduct	*-52.30*	
		For >40, Deduct	*-108.82*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	897.87	227.04
		For Bronze Or Satin Anodized Finish, Add	*44.38*	
		For Black Anodized Finish, Add	*88.76*	
		For >10 To 20, Deduct	*-29.10*	
		For >20 To 40, Deduct	*-53.77*	
		For >40, Deduct	*-111.98*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	969.36	245.96
		For Bronze Or Satin Anodized Finish, Add	*47.74*	
		For Black Anodized Finish, Add	*95.49*	
		For >10 To 20, Deduct	*-31.40*	
		For >20 To 40, Deduct	*-58.02*	
		For >40, Deduct	*-120.81*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,036.63	264.88
		For Bronze Or Satin Anodized Finish, Add	*50.69*	
		For Black Anodized Finish, Add	*101.37*	
		For >10 To 20, Deduct	*-33.52*	
		For >20 To 40, Deduct	*-61.97*	
		For >40, Deduct	*-129.01*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	958.86	227.04
		For Bronze Or Satin Anodized Finish, Add	*50.48*	
		For Black Anodized Finish, Add	*100.95*	
		For >10 To 20, Deduct	*-31.54*	
		For >20 To 40, Deduct	*-58.04*	
		For >40, Deduct	*-121.12*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,036.66	245.96
		For Bronze Or Satin Anodized Finish, Add	*54.47*	
		For Black Anodized Finish, Add	*108.95*	
		For >10 To 20, Deduct	*-34.09*	
		For >20 To 40, Deduct	*-62.73*	
		For >40, Deduct	*-130.90*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,109.19	264.88
		For Bronze Or Satin Anodized Finish, Add	*57.94*	
		For Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-36.42*	
		For >20 To 40, Deduct	*-67.05*	
		For >40, Deduct	*-139.89*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,122.89	245.96
		For Bronze Or Satin Anodized Finish, Add	*63.10*	
		For Black Anodized Finish, Add	*126.19*	
		For >10 To 20, Deduct	*-37.54*	
		For >20 To 40, Deduct	*-68.76*	
		For >40, Deduct	*-143.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,433.06	302.72
		For Bronze Or Satin Anodized Finish, Add	*82.76*	
		For Black Anodized Finish, Add	*165.52*	
		For >10 To 20, Deduct	*-48.24*	
		For >20 To 40, Deduct	*-88.21*	
		For >40, Deduct	*-184.69*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,551.89	302.72
		For Bronze Or Satin Anodized Finish, Add	*94.64*	
		For Black Anodized Finish, Add	*189.29*	
		For >10 To 20, Deduct	*-52.99*	
		For >20 To 40, Deduct	*-96.52*	
		For >40, Deduct	*-202.51*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,729.57	340.57
		For Bronze Or Satin Anodized Finish, Add	*104.85*	
		For Black Anodized Finish, Add	*209.69*	
		For >10 To 20, Deduct	*-58.97*	
		For >20 To 40, Deduct	*-107.45*	
		For >40, Deduct	*-225.38*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,858.91	340.57
		For Bronze Or Satin Anodized Finish, Add	*117.78*	
		For Black Anodized Finish, Add	*235.56*	
		For >10 To 20, Deduct	*-64.14*	
		For >20 To 40, Deduct	*-116.50*	
		For >40, Deduct	*-244.78*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	888.40	227.04
		For Bronze Or Satin Anodized Finish, Add	*43.43*	
		For Black Anodized Finish, Add	*86.86*	
		For >10 To 20, Deduct	*-28.72*	
		For >20 To 40, Deduct	*-53.11*	
		For >40, Deduct	*-110.56*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	986.15	264.88
		For Bronze Or Satin Anodized Finish, Add	*45.64*	
		For Black Anodized Finish, Add	*91.28*	
		For >10 To 20, Deduct	*-31.50*	
		For >20 To 40, Deduct	*-58.44*	
		For >40, Deduct	*-121.43*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,092.34	302.72
		For Bronze Or Satin Anodized Finish, Add	*48.69*	
		For Black Anodized Finish, Add	*97.38*	
		For >10 To 20, Deduct	*-34.61*	
		For >20 To 40, Deduct	*-64.35*	
		For >40, Deduct	*-133.58*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,197.46	340.57
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-37.68*	
		For >20 To 40, Deduct	*-70.20*	
		For >40, Deduct	*-145.56*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,254.23	359.49
		For Bronze Or Satin Anodized Finish, Add	*53.53*	
		For Black Anodized Finish, Add	*107.05*	
		For >10 To 20, Deduct	*-39.38*	
		For >20 To 40, Deduct	*-73.42*	
		For >40, Deduct	*-152.19*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,311.00	378.40
		For Bronze Or Satin Anodized Finish, Add	*55.42*	
		For Black Anodized Finish, Add	*110.84*	
		For >10 To 20, Deduct	*-41.09*	
		For >20 To 40, Deduct	*-76.63*	
		For >40, Deduct	*-158.81*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,422.44	416.24
		For Bronze Or Satin Anodized Finish, Add	*59.00*	
		For Black Anodized Finish, Add	*117.99*	
		For >10 To 20, Deduct	*-44.41*	
		For >20 To 40, Deduct	*-82.92*	
		For >40, Deduct	*-171.74*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,543.34	454.09
		For Bronze Or Satin Anodized Finish, Add	*63.52*	
		For Black Anodized Finish, Add	*127.03*	
		For >10 To 20, Deduct	*-48.11*	
		For >20 To 40, Deduct	*-89.87*	
		For >40, Deduct	*-186.09*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,383.56	378.40
		For Bronze Or Satin Anodized Finish, Add	*62.68*	
		For Black Anodized Finish, Add	*125.35*	
		For >10 To 20, Deduct	*-43.99*	
		For >20 To 40, Deduct	*-81.71*	
		For >40, Deduct	*-169.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,497.10	416.24
		For Bronze Or Satin Anodized Finish, Add	*66.46*	
		For Black Anodized Finish, Add	*132.92*	
		For >10 To 20, Deduct	*-47.40*	
		For >20 To 40, Deduct	*-88.15*	
		For >40, Deduct	*-182.94*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,624.31	454.09
		For Bronze Or Satin Anodized Finish, Add	*71.61*	
		For Black Anodized Finish, Add	*143.23*	
		For >10 To 20, Deduct	*-51.35*	
		For >20 To 40, Deduct	*-95.54*	
		For >40, Deduct	*-198.24*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,569.71	359.49
		For Bronze Or Satin Anodized Finish, Add	*85.07*	
		For Black Anodized Finish, Add	*170.15*	
		For >10 To 20, Deduct	*-52.00*	
		For >20 To 40, Deduct	*-95.50*	
		For >40, Deduct	*-199.51*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,926.12	454.09
		For Bronze Or Satin Anodized Finish, Add	*101.80*	
		For Black Anodized Finish, Add	*203.59*	
		For >10 To 20, Deduct	*-63.42*	
		For >20 To 40, Deduct	*-116.67*	
		For >40, Deduct	*-243.51*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,360.30	605.45
		For Bronze Or Satin Anodized Finish, Add	*114.94*	
		For Black Anodized Finish, Add	*229.88*	
		For >10 To 20, Deduct	*-76.25*	
		For >20 To 40, Deduct	*-141.00*	
		For >40, Deduct	*-293.50*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,689.51	454.09
		For Bronze Or Satin Anodized Finish, Add	*78.13*	
		For Black Anodized Finish, Add	*156.27*	
		For >10 To 20, Deduct	*-53.96*	
		For >20 To 40, Deduct	*-100.10*	
		For >40, Deduct	*-208.02*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,053.36	454.09
		For Bronze Or Satin Anodized Finish, Add	*114.52*	
		For Black Anodized Finish, Add	*229.04*	
		For >10 To 20, Deduct	*-68.51*	
		For >20 To 40, Deduct	*-125.57*	
		For >40, Deduct	*-262.60*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,475.97	605.45
		For Bronze Or Satin Anodized Finish, Add	*126.51*	
		For Black Anodized Finish, Add	*253.01*	
		For >10 To 20, Deduct	*-80.88*	
		For >20 To 40, Deduct	*-149.10*	
		For >40, Deduct	*-310.85*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,253.17	454.09
		For Bronze Or Satin Anodized Finish, Add	*134.50*	
		For Black Anodized Finish, Add	*269.00*	
		For >10 To 20, Deduct	*-76.50*	
		For >20 To 40, Deduct	*-139.56*	
		For >40, Deduct	*-292.57*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,736.77	605.45
		For Bronze Or Satin Anodized Finish, Add	*152.59*	
		For Black Anodized Finish, Add	*305.17*	
		For >10 To 20, Deduct	*-91.31*	
		For >20 To 40, Deduct	*-167.36*	
		For >40, Deduct	*-349.97*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,159.44	681.12
		For Bronze Or Satin Anodized Finish, Add	*179.72*	
		For Black Anodized Finish, Add	*359.44*	
		For >10 To 20, Deduct	*-105.94*	
		For >20 To 40, Deduct	*-193.92*	
		For >40, Deduct	*-405.80*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	792.73	189.21
		For Bronze Or Satin Anodized Finish, Add	*41.43*	
		For Black Anodized Finish, Add	*82.87*	
		For >10 To 20, Deduct	*-26.03*	
		For >20 To 40, Deduct	*-47.92*	
		For >40, Deduct	*-99.99*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	884.20	208.13
		For Bronze Or Satin Anodized Finish, Add	*46.80*	
		For Black Anodized Finish, Add	*93.59*	
		For >10 To 20, Deduct	*-29.12*	
		For >20 To 40, Deduct	*-53.57*	
		For >40, Deduct	*-111.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	944.14	227.04
		For Bronze Or Satin Anodized Finish, Add	*49.01*	
		For Black Anodized Finish, Add	*98.01*	
		For >10 To 20, Deduct	*-30.95*	
		For >20 To 40, Deduct	*-57.01*	
		For >40, Deduct	*-118.92*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	970.43	227.04
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-32.01*	
		For >20 To 40, Deduct	*-58.85*	
		For >40, Deduct	*-122.86*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,003.03	227.04
		For Bronze Or Satin Anodized Finish, Add	*54.89*	
		For Black Anodized Finish, Add	*109.79*	
		For >10 To 20, Deduct	*-33.31*	
		For >20 To 40, Deduct	*-61.13*	
		For >40, Deduct	*-127.75*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,152.33	245.96
		For Bronze Or Satin Anodized Finish, Add	*66.04*	
		For Black Anodized Finish, Add	*132.08*	
		For >10 To 20, Deduct	*-38.71*	
		For >20 To 40, Deduct	*-70.82*	
		For >40, Deduct	*-148.25*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,235.38	264.88
		For Bronze Or Satin Anodized Finish, Add	*70.56*	
		For Black Anodized Finish, Add	*141.12*	
		For >10 To 20, Deduct	*-41.47*	
		For >20 To 40, Deduct	*-75.88*	
		For >40, Deduct	*-158.82*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,400.48	264.88
		For Bronze Or Satin Anodized Finish, Add	*87.07*	
		For Black Anodized Finish, Add	*174.14*	
		For >10 To 20, Deduct	*-48.07*	
		For >20 To 40, Deduct	*-87.44*	
		For >40, Deduct	*-183.58*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,608.68	302.72
		For Bronze Or Satin Anodized Finish, Add	*100.32*	
		For Black Anodized Finish, Add	*200.65*	
		For >10 To 20, Deduct	*-55.27*	
		For >20 To 40, Deduct	*-100.50*	
		For >40, Deduct	*-211.03*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,977.79	302.72
		For Bronze Or Satin Anodized Finish, Add	*137.23*	
		For Black Anodized Finish, Add	*274.47*	
		For >10 To 20, Deduct	*-70.03*	
		For >20 To 40, Deduct	*-126.34*	
		For >40, Deduct	*-266.40*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	85.62
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	39.20
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	129.53

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,320.28	264.88
		For >10 To 20, Deduct	*-44.86*	
		For >20 To 40, Deduct	*-81.82*	
		For >40, Deduct	*-171.55*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,443.02	302.72
		For >10 To 20, Deduct	*-48.64*	
		For >20 To 40, Deduct	*-88.90*	
		For >40, Deduct	*-186.18*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,567.09	340.57
		For >10 To 20, Deduct	*-52.47*	
		For >20 To 40, Deduct	*-96.07*	
		For >40, Deduct	*-201.01*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,689.84	378.40
		For >10 To 20, Deduct	*-56.24*	
		For >20 To 40, Deduct	*-103.15*	
		For >40, Deduct	*-215.64*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,836.77	416.24
		For >10 To 20, Deduct	*-60.98*	
		For >20 To 40, Deduct	*-111.92*	
		For >40, Deduct	*-233.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,962.20	454.09
		For >10 To 20, Deduct	*-64.87*	
		For >20 To 40, Deduct	*-119.19*	
		For >40, Deduct	*-248.92*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,161.95	529.76
		For >10 To 20, Deduct	*-70.59*	
		For >20 To 40, Deduct	*-130.15*	
		For >40, Deduct	*-271.32*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,360.38	605.45
		For >10 To 20, Deduct	*-76.25*	
		For >20 To 40, Deduct	*-141.01*	
		For >40, Deduct	*-293.51*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,469.28	605.45
		For >10 To 20, Deduct	*-80.61*	
		For >20 To 40, Deduct	*-148.63*	
		For >40, Deduct	*-309.85*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,640.40	643.29
		For >10 To 20, Deduct	*-86.32*	
		For >20 To 40, Deduct	*-159.10*	
		For >40, Deduct	*-331.73*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,811.54	681.12
		For >10 To 20, Deduct	*-92.03*	
		For >20 To 40, Deduct	*-169.56*	
		For >40, Deduct	*-353.62*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,443.97	264.88
		For >10 To 20, Deduct	*-49.81*	
		For >20 To 40, Deduct	*-90.48*	
		For >40, Deduct	*-190.11*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,542.51	302.72
		For >10 To 20, Deduct	*-52.62*	
		For >20 To 40, Deduct	*-95.87*	
		For >40, Deduct	*-201.10*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,642.38	340.57
		For >10 To 20, Deduct	*-55.48*	
		For >20 To 40, Deduct	*-101.34*	
		For >40, Deduct	*-212.30*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,744.96	378.40
		For >10 To 20, Deduct	*-58.45*	
		For >20 To 40, Deduct	*-107.01*	
		For >40, Deduct	*-223.90*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,854.25	416.24
		For >10 To 20, Deduct	*-61.68*	
		For >20 To 40, Deduct	*-113.15*	
		For >40, Deduct	*-236.51*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,962.20	454.09
		For >10 To 20, Deduct	*-64.87*	
		For >20 To 40, Deduct	*-119.19*	
		For >40, Deduct	*-248.92*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,145.82	529.76
		For >10 To 20, Deduct	*-69.94*	
		For >20 To 40, Deduct	*-129.02*	
		For >40, Deduct	*-268.90*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,360.38	605.45
		For >10 To 20, Deduct	*-76.25*	
		For >20 To 40, Deduct	*-141.01*	
		For >40, Deduct	*-293.51*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,406.09	605.45
		For >10 To 20, Deduct	*-78.08*	
		For >20 To 40, Deduct	*-144.21*	
		For >40, Deduct	*-300.37*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,528.81	643.29
		For >10 To 20, Deduct	*-81.85*	
		For >20 To 40, Deduct	*-151.29*	
		For >40, Deduct	*-314.99*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,651.56	681.12
		For >10 To 20, Deduct	*-85.63*	
		For >20 To 40, Deduct	*-158.36*	
		For >40, Deduct	*-329.62*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,625.46	264.88
		For >10 To 20, Deduct	*-57.07*	
		For >20 To 40, Deduct	*-103.19*	
		For >40, Deduct	*-217.33*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,742.83	302.72
		For >10 To 20, Deduct	*-60.63*	
		For >20 To 40, Deduct	*-109.89*	
		For >40, Deduct	*-231.15*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,860.18	340.57
		For >10 To 20, Deduct	*-64.19*	
		For >20 To 40, Deduct	*-116.59*	
		For >40, Deduct	*-244.97*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,978.89	378.40
		For >10 To 20, Deduct	*-67.80*	
		For >20 To 40, Deduct	*-123.39*	
		For >40, Deduct	*-258.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,102.97	416.24
		For >10 To 20, Deduct	*-71.63*	
		For >20 To 40, Deduct	*-130.56*	
		For >40, Deduct	*-273.82*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,235.11	454.09
		For >10 To 20, Deduct	*-75.78*	
		For >20 To 40, Deduct	*-138.29*	
		For >40, Deduct	*-289.86*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,455.04	529.76
		For >10 To 20, Deduct	*-82.31*	
		For >20 To 40, Deduct	*-150.66*	
		For >40, Deduct	*-315.28*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,676.32	605.45
		For >10 To 20, Deduct	*-88.89*	
		For >20 To 40, Deduct	*-163.12*	
		For >40, Deduct	*-340.90*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,746.23	605.45
		For >10 To 20, Deduct	*-91.69*	
		For >20 To 40, Deduct	*-168.02*	
		For >40, Deduct	*-351.39*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,932.14	643.29
		For >10 To 20, Deduct	*-97.99*	
		For >20 To 40, Deduct	*-179.52*	
		For >40, Deduct	*-375.49*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,087.15	681.12
		For >10 To 20, Deduct	*-103.05*	
		For >20 To 40, Deduct	*-188.86*	
		For >40, Deduct	*-394.96*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,204.30	700.05
		For >10 To 20, Deduct	*-107.17*	
		For >20 To 40, Deduct	*-196.30*	
		For >40, Deduct	*-410.64*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,321.46	718.97
		For >10 To 20, Deduct	*-111.29*	
		For >20 To 40, Deduct	*-203.74*	
		For >40, Deduct	*-426.32*	
26 56 13 00-0548		Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	830.13	189.21
		For >10 To 20, Deduct	*-27.53*	
		For >20 To 40, Deduct	*-50.54*	
		For >40, Deduct	*-105.60*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	893.51	208.13
		For >10 To 20, Deduct	*-29.50*	
		For >20 To 40, Deduct	*-54.22*	
		For >40, Deduct	*-113.21*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	955.56	227.04
		For >10 To 20, Deduct	*-31.41*	
		For >20 To 40, Deduct	*-57.81*	
		For >40, Deduct	*-120.63*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	978.41	227.04
		For >10 To 20, Deduct	*-32.33*	
		For >20 To 40, Deduct	*-59.41*	
		For >40, Deduct	*-124.06*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,053.90	245.96
		For >10 To 20, Deduct	*-34.78*	
		For >20 To 40, Deduct	*-63.93*	
		For >40, Deduct	*-133.49*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,118.62	264.88
		For >10 To 20, Deduct	*-36.80*	
		For >20 To 40, Deduct	*-67.71*	
		For >40, Deduct	*-141.31*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,187.39	283.80
		For >10 To 20, Deduct	*-38.98*	
		For >20 To 40, Deduct	*-71.77*	
		For >40, Deduct	*-149.73*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,262.87	302.72
		For >10 To 20, Deduct	*-41.43*	
		For >20 To 40, Deduct	*-76.29*	
		For >40, Deduct	*-159.16*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,391.94	302.72
		For >10 To 20, Deduct	*-46.60*	
		For >20 To 40, Deduct	*-85.33*	
		For >40, Deduct	*-178.52*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,558.84	321.65
		For >10 To 20, Deduct	*-52.70*	
		For >20 To 40, Deduct	*-96.25*	
		For >40, Deduct	*-201.66*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,725.73	340.57
		For >10 To 20, Deduct	*-58.81*	
		For >20 To 40, Deduct	*-107.18*	
		For >40, Deduct	*-224.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	953.81	189.21
		For >10 To 20, Deduct	*-32.48*	
		For >20 To 40, Deduct	*-59.20*	
		For >40, Deduct	*-124.15*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,023.92	208.13
		For >10 To 20, Deduct	*-34.71*	
		For >20 To 40, Deduct	*-63.35*	
		For >40, Deduct	*-132.78*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,094.03	227.04
		For >10 To 20, Deduct	*-36.95*	
		For >20 To 40, Deduct	*-67.50*	
		For >40, Deduct	*-141.40*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,127.64	227.04
		For >10 To 20, Deduct	*-38.29*	
		For >20 To 40, Deduct	*-69.85*	
		For >40, Deduct	*-146.44*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,197.75	245.96
		For >10 To 20, Deduct	*-40.53*	
		For >20 To 40, Deduct	*-74.00*	
		For >40, Deduct	*-155.07*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,267.85	264.88
		For >10 To 20, Deduct	*-42.77*	
		For >20 To 40, Deduct	*-78.15*	
		For >40, Deduct	*-163.69*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,337.96	283.80
		For >10 To 20, Deduct	*-45.00*	
		For >20 To 40, Deduct	*-82.31*	
		For >40, Deduct	*-172.31*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,438.99	302.72
		For >10 To 20, Deduct	*-48.48*	
		For >20 To 40, Deduct	*-88.62*	
		For >40, Deduct	*-185.58*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,564.02	302.72
		For >10 To 20, Deduct	*-53.48*	
		For >20 To 40, Deduct	*-97.37*	
		For >40, Deduct	*-204.33*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,728.24	321.65
		For >10 To 20, Deduct	*-59.48*	
		For >20 To 40, Deduct	*-108.11*	
		For >40, Deduct	*-227.07*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,891.10	340.57
		For >10 To 20, Deduct	*-65.43*	
		For >20 To 40, Deduct	*-118.75*	
		For >40, Deduct	*-249.61*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,062.71	189.21
		For >10 To 20, Deduct	*-36.83*	
		For >20 To 40, Deduct	*-66.82*	
		For >40, Deduct	*-140.49*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,124.75	208.13
		For >10 To 20, Deduct	*-38.75*	
		For >20 To 40, Deduct	*-70.41*	
		For >40, Deduct	*-147.90*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,185.45	227.04
		For >10 To 20, Deduct	*-40.61*	
		For >20 To 40, Deduct	*-73.90*	
		For >40, Deduct	*-155.11*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,208.31	227.04
		For >10 To 20, Deduct	*-41.52*	
		For >20 To 40, Deduct	*-75.50*	
		For >40, Deduct	*-158.54*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,269.00	245.96
		For >10 To 20, Deduct	*-43.38*	
		For >20 To 40, Deduct	*-78.99*	
		For >40, Deduct	*-165.75*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,331.03	264.88
		For >10 To 20, Deduct	*-45.29*	
		For >20 To 40, Deduct	*-82.58*	
		For >40, Deduct	*-173.17*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,438.79	283.80
		For >10 To 20, Deduct	*-49.04*	
		For >20 To 40, Deduct	*-89.36*	
		For >40, Deduct	*-187.44*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,562.68	302.72
		For >10 To 20, Deduct	*-53.43*	
		For >20 To 40, Deduct	*-97.28*	
		For >40, Deduct	*-204.13*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,640.65	302.72
		For >10 To 20, Deduct	*-56.54*	
		For >20 To 40, Deduct	*-102.74*	
		For >40, Deduct	*-215.83*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,757.81	321.65
		For >10 To 20, Deduct	*-60.66*	
		For >20 To 40, Deduct	*-110.18*	
		For >40, Deduct	*-231.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,874.96	340.57
		For >10 To 20, Deduct	*-64.78*	
		For >20 To 40, Deduct	*-117.62*	
		For >40, Deduct	*-247.19*	
26 56 13 00-0582		**Factory Accessories For Fiberglass Area Light Poles** *(26 56 13 00-0510)*		
26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.67	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.67	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	90.44	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	119.78	
26 56 13 00-0587		**Concrete Area Light Poles** *(26 56 13 00-0177)*		
26 56 13 00-0588		**Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base** *(26 56 13 00-0587)*		
26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,447.47	643.29
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,581.20	681.12
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,675.73	700.05
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,285.65	718.97
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,638.49	756.81
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,516.31	983.85
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,419.32	1,210.90
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,108.65	643.29
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,879.28	681.12
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	752.91	227.04
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,057.95	453.93
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	291.79	92.64
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	598.54	185.27
26 56 13 00-0602		**Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0587)* Note: Round or square.		
26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,523.12	302.72
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,860.98	378.40
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,169.06	454.09
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,428.90	681.12
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,089.04	718.97
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,802.01	756.81
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,754.99	983.85
26 56 13 00-0610		**Round Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,797.07	1,702.82
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	23,599.91	2,096.42
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	28,007.84	2,832.01
26 56 13 00-0614		**Treated Wood Area Light Poles** *(26 56 13 00-0177)* See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		**Cast Iron Decorative Light Posts** *(26 56 13 00-0177)*		
26 56 13 00-0616		**Round Tapered, Cast Iron Decorative Light Post, Anchor Base** *(26 56 13 00-0615)* Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,457.46	189.21
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,543.64	217.96
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,670.59	227.04
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,047.51	264.88
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,383.60	287.59
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,735.54	310.29
26 56 13 00-0623		**Landscape Light Poles** *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0624		**Aluminum Landscape Light Poles** *(26 56 13 00-0623)* Note: Includes painted finish.		
26 56 13 00-0625		**Round Straight, Aluminum Landscape Light Poles** *(26 56 13 00-0624)*		
26 56 13 00-0626		**Round Straight, Aluminum Landscape Light Poles, Anchor Base** *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	547.67	227.04
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	901.62	302.72
26 56 13 00-0629		**Round Straight, Aluminum Landscape Light Poles, Direct Burial** *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	503.63	227.04
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	857.58	302.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)* Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	600.27	227.04
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	567.52	227.04
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)* Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	677.05	45.41
		For Galvanized Finish, Add	*58.62*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	853.92	45.41
		For Galvanized Finish, Add	*76.31*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	907.91	45.41
		For Galvanized Finish, Add	*81.71*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,241.17	45.41
		For Galvanized Finish, Add	*115.04*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,293.07	45.41
		For Galvanized Finish, Add	*120.23*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)* Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	262.23	45.41
		For Bronze Or Satin Anodized Finish, Add	*17.14*	
		For Black Anodized Finish, Add	*34.28*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	316.91	45.41
		For Bronze Or Satin Anodized Finish, Add	*22.61*	
		For Black Anodized Finish, Add	*45.22*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	331.64	45.41
		For Bronze Or Satin Anodized Finish, Add	*24.08*	
		For Black Anodized Finish, Add	*48.16*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	383.16	45.41
		For Bronze Or Satin Anodized Finish, Add	*29.23*	
		For Black Anodized Finish, Add	*58.47*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	393.68	45.41
		For Bronze Or Satin Anodized Finish, Add	*30.29*	
		For Black Anodized Finish, Add	*60.57*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)* Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	727.55	45.41
		For Galvanized Finish, Add	*63.67*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	896.97	45.41
		For Galvanized Finish, Add	*80.62*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,095.95	45.41
		For Galvanized Finish, Add	*100.51*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,295.86	45.41
		For Galvanized Finish, Add	*120.50*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)* Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	693.60	75.68
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,040.36	75.68
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,450.65	75.68
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,585.63	75.68
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	406.65	68.11
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	430.86	75.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	500.59	94.60
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	597.02	75.68
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	666.29	94.60
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	808.61	113.52
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	269.11	75.68
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	329.51	75.68
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	439.10	94.60
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	573.71	113.52
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	769.61	75.68
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,202.56	83.25
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,336.02	90.82
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,585.42	98.38
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	918.56	94.60
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,308.02	102.17
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	322.77	75.68
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	398.48	94.60
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	476.27	113.52
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	320.67	75.68
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	449.38	83.25
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	394.27	94.60
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	548.21	102.17
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	478.37	113.52
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	664.92	121.09
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,497.72	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	60,488.77	2,327.10
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	63,894.80	2,437.29
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	67,339.38	2,596.48
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	70,820.44	2,804.64
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	74,321.65	3,061.70
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	78,827.27	3,368.10
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	82,467.82	3,674.25
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	85,830.23	3,980.40
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	89,470.77	4,286.70
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	93,898.26	4,592.85
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	23,008.93	1,397.61
26 56 13 00-0714	EA	70' High Mast Light Poles	26,381.87	1,463.82
26 56 13 00-0715	EA	80' High Mast Light Poles	29,778.63	1,559.44
26 56 13 00-0716	EA	90' High Mast Light Poles	33,197.17	1,684.49
26 56 13 00-0717	EA	100' High Mast Light Poles	36,639.53	1,838.97
26 56 13 00-0718	EA	110' High Mast Light Poles	40,105.71	2,022.86
26 56 13 00-0719	EA	120' High Mast Light Poles	42,727.25	2,206.75
26 56 13 00-0720	EA	130' High Mast Light Poles	42,677.97	4,089.86
26 56 13 00-0721	EA	140' High Mast Light Poles	47,690.16	2,574.55
26 56 13 00-0722	EA	150' High Mast Light Poles	50,591.89	2,758.45
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)*		
		See CSI section 26 55 13 00-0120 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,064.64	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	3,012.54	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,281.54	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	959.31	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,787.82	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,487.41	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,601.16	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 56 13 00-0731 **Concrete Bases** *(26 56 13 00-0001)*

26 56 13 00-0732 **Concrete Bases, Cast In Place** *(26 56 13 00-0731)*

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.

26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		597.50	
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles		69.84	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles		97.19	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles		130.50	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles		170.97	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles		228.37	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles		286.97	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles		416.21	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles		572.09	

26 56 18 Incandescent Exterior Lighting *(26 56)*

26 56 18 00-0001 **Exterior Globe** *(26 56 18)*

26 56 18 00-0002 **Incandescent, Exterior Globe** *(26 56 18 00-0001)*

26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture		64.89	24.76
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture		97.28	24.76
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture		74.94	24.76
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture		101.15	24.76

26 56 18 00-0007 **Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 18)*

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture		287.65	99.04
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture		300.09	105.23
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture		329.98	111.42
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture		324.67	123.80
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture		365.04	142.37

26 56 19 LED Exterior Lighting *(26 56)*

26 56 19 00-0001 **LED, Roadway Lighting** *(26 56 19)*

26 56 19 00-0002 **LED Roadway Lighting (Philips Lumec)** *(26 56 19 00-0001)*

26 56 19 00-0003 **Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)** *(26 56 19 00-0002)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0004	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)		1,547.08	182.43
		For >50 To 100, Deduct	*-77.35*		
		For >100 To 250, Deduct	*-116.03*		
		For >250 To 500, Deduct	*-184.26*		
		For >500 To 1,000, Deduct	*-252.50*		
		For >1,000, Deduct	*-320.73*		
26 56 19 00-0005	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)		2,391.87	187.36
		For >50 To 100, Deduct	*-119.59*		
		For >100 To 250, Deduct	*-179.39*		
		For >250 To 500, Deduct	*-289.62*		
		For >500 To 1,000, Deduct	*-399.84*		
		For >1,000, Deduct	*-510.07*		

26 56 19 00-0006 **Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)** *(26 56 19 00-0002)*

Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0007	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)		1,250.01	182.43
		For >50 To 100, Deduct	*-62.50*		
		For >100 To 250, Deduct	*-93.75*		
		For >250 To 500, Deduct	*-147.13*		
		For >500 To 1,000, Deduct	*-200.51*		
		For >1,000, Deduct	*-253.89*		
26 56 19 00-0008	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)		1,338.52	182.43
		For >50 To 100, Deduct	*-66.93*		
		For >100 To 250, Deduct	*-100.39*		
		For >250 To 500, Deduct	*-158.19*		
		For >500 To 1,000, Deduct	*-216.00*		
		For >1,000, Deduct	*-273.80*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0009	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,427.03	182.43
		For >50 To 100, Deduct	*-71.35*	
		For >100 To 250, Deduct	*-107.03*	
		For >250 To 500, Deduct	*-169.26*	
		For >500 To 1,000, Deduct	*-231.49*	
		For >1,000, Deduct	*-293.72*	

26 56 19 00-0010 LED Roadway Lighting (Lithonia) *(26 56 19 00-0001)*

26 56 19 00-0011 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0010)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0012	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,501.16	172.57
		For >50 To 100, Deduct	*-125.06*	
		For >100 To 250, Deduct	*-187.59*	
		For >250 To 500, Deduct	*-304.02*	
		For >500 To 1,000, Deduct	*-420.45*	
		For >1,000, Deduct	*-536.88*	
26 56 19 00-0013	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,137.45	177.50
		For >50 To 100, Deduct	*-206.87*	
		For >100 To 250, Deduct	*-310.31*	
		For >250 To 500, Deduct	*-508.31*	
		For >500 To 1,000, Deduct	*-706.30*	
		For >1,000, Deduct	*-904.30*	

26 56 19 00-0014 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0001)*

26 56 19 00-0015 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0014)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0016	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	872.42	167.64
		For >50 To 100, Deduct	*-43.62*	
		For >100 To 250, Deduct	*-65.43*	
		For >250 To 500, Deduct	*-100.67*	
		For >500 To 1,000, Deduct	*-135.91*	
		For >1,000, Deduct	*-171.15*	
26 56 19 00-0017	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	973.38	172.57
		For >50 To 100, Deduct	*-48.67*	
		For >100 To 250, Deduct	*-73.00*	
		For >250 To 500, Deduct	*-113.04*	
		For >500 To 1,000, Deduct	*-153.08*	
		For >1,000, Deduct	*-193.13*	
26 56 19 00-0018	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,094.75	177.50
		For >50 To 100, Deduct	*-54.74*	
		For >100 To 250, Deduct	*-82.11*	
		For >250 To 500, Deduct	*-127.97*	
		For >500 To 1,000, Deduct	*-173.83*	
		For >1,000, Deduct	*-219.69*	
26 56 19 00-0019	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,197.28	182.43
		For >50 To 100, Deduct	*-59.86*	
		For >100 To 250, Deduct	*-89.80*	
		For >250 To 500, Deduct	*-140.54*	
		For >500 To 1,000, Deduct	*-191.28*	
		For >1,000, Deduct	*-242.02*	
26 56 19 00-0020	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,299.81	187.36
		For >50 To 100, Deduct	*-64.99*	
		For >100 To 250, Deduct	*-97.49*	
		For >250 To 500, Deduct	*-153.11*	
		For >500 To 1,000, Deduct	*-208.73*	
		For >1,000, Deduct	*-264.35*	
26 56 19 00-0021	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,540.53	192.30
		For >50 To 100, Deduct	*-77.03*	
		For >100 To 250, Deduct	*-115.54*	
		For >250 To 500, Deduct	*-182.95*	
		For >500 To 1,000, Deduct	*-250.36*	
		For >1,000, Deduct	*-317.78*	
26 56 19 00-0022	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,643.07	197.22
		For >50 To 100, Deduct	*-82.15*	
		For >100 To 250, Deduct	*-123.23*	
		For >250 To 500, Deduct	*-195.52*	
		For >500 To 1,000, Deduct	*-267.81*	
		For >1,000, Deduct	*-340.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0023	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,744.02	202.15
		For >50 To 100, Deduct	*-87.20*	
		For >100 To 250, Deduct	*-130.80*	
		For >250 To 500, Deduct	*-207.89*	
		For >500 To 1,000, Deduct	*-284.99*	
		For >1,000, Deduct	*-362.08*	
26 56 19 00-0024	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,939.20	207.08
		For >50 To 100, Deduct	*-96.96*	
		For >100 To 250, Deduct	*-145.44*	
		For >250 To 500, Deduct	*-232.05*	
		For >500 To 1,000, Deduct	*-318.65*	
		For >1,000, Deduct	*-405.26*	
26 56 19 00-0025	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,041.74	212.01
		For >50 To 100, Deduct	*-102.09*	
		For >100 To 250, Deduct	*-153.13*	
		For >250 To 500, Deduct	*-244.62*	
		For >500 To 1,000, Deduct	*-336.10*	
		For >1,000, Deduct	*-427.59*	
26 56 19 00-0026	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,144.26	216.95
		For >50 To 100, Deduct	*-107.21*	
		For >100 To 250, Deduct	*-160.82*	
		For >250 To 500, Deduct	*-257.19*	
		For >500 To 1,000, Deduct	*-353.55*	
		For >1,000, Deduct	*-449.92*	

26 56 19 00-0027 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0014)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0028	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,668.01	177.50
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-83.40*	
		For >100 To 250, Deduct	*-125.10*	
		For >250 To 500, Deduct	*-199.63*	
		For >500 To 1,000, Deduct	*-274.15*	
		For >1,000, Deduct	*-348.68*	
26 56 19 00-0029	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,918.62	187.36
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-95.93*	
		For >100 To 250, Deduct	*-143.90*	
		For >250 To 500, Deduct	*-230.46*	
		For >500 To 1,000, Deduct	*-317.02*	
		For >1,000, Deduct	*-403.58*	
26 56 19 00-0030	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,169.22	197.22
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-108.46*	
		For >100 To 250, Deduct	*-162.69*	
		For >250 To 500, Deduct	*-261.29*	
		For >500 To 1,000, Deduct	*-359.89*	
		For >1,000, Deduct	*-458.49*	
26 56 19 00-0031	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,419.80	207.08
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-120.99*	
		For >100 To 250, Deduct	*-181.49*	
		For >250 To 500, Deduct	*-292.12*	
		For >500 To 1,000, Deduct	*-402.76*	
		For >1,000, Deduct	*-513.39*	
26 56 19 00-0032	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,160.43	216.95
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-158.02*	
		For >100 To 250, Deduct	*-237.03*	
		For >250 To 500, Deduct	*-384.21*	
		For >500 To 1,000, Deduct	*-531.38*	
		For >1,000, Deduct	*-678.56*	
26 56 19 00-0033	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,411.03	226.81
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-170.55*	
		For >100 To 250, Deduct	*-255.83*	
		For >250 To 500, Deduct	*-415.04*	
		For >500 To 1,000, Deduct	*-574.25*	
		For >1,000, Deduct	*-733.46*	
26 56 19 00-0034	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,661.64	236.66
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-183.08*	
		For >100 To 250, Deduct	*-274.62*	
		For >250 To 500, Deduct	*-445.87*	
		For >500 To 1,000, Deduct	*-617.12*	
		For >1,000, Deduct	*-788.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0035		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0014)*		
		Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	742.06	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*35.26*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*52.76*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-37.10*	
		For >100 To 250, Deduct	*-55.65*	
		For >250 To 500, Deduct	*-83.88*	
		For >500 To 1,000, Deduct	*-112.11*	
		For >1,000, Deduct	*-140.34*	
26 56 19 00-0037	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	742.06	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*35.26*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*52.76*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-37.10*	
		For >100 To 250, Deduct	*-55.65*	
		For >250 To 500, Deduct	*-83.88*	
		For >500 To 1,000, Deduct	*-112.11*	
		For >1,000, Deduct	*-140.34*	
26 56 19 00-0038	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	812.07	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*35.26*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*52.76*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-40.60*	
		For >100 To 250, Deduct	*-60.91*	
		For >250 To 500, Deduct	*-92.63*	
		For >500 To 1,000, Deduct	*-124.36*	
		For >1,000, Deduct	*-156.09*	
26 56 19 00-0039	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	812.07	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*35.26*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*52.76*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-40.60*	
		For >100 To 250, Deduct	*-60.91*	
		For >250 To 500, Deduct	*-92.63*	
		For >500 To 1,000, Deduct	*-124.36*	
		For >1,000, Deduct	*-156.09*	
26 56 19 00-0040	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	936.54	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*48.86*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*83.89*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-46.83*	
		For >100 To 250, Deduct	*-70.24*	
		For >250 To 500, Deduct	*-108.19*	
		For >500 To 1,000, Deduct	*-146.14*	
		For >1,000, Deduct	*-184.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0041	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	936.54	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*48.86*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*83.89*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-46.83*	
		For >100 To 250, Deduct	*-70.24*	
		For >250 To 500, Deduct	*-108.19*	
		For >500 To 1,000, Deduct	*-146.14*	
		For >1,000, Deduct	*-184.10*	
26 56 19 00-0042	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,053.25	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*48.86*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*83.89*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-52.66*	
		For >100 To 250, Deduct	*-78.99*	
		For >250 To 500, Deduct	*-122.78*	
		For >500 To 1,000, Deduct	*-166.57*	
		For >1,000, Deduct	*-210.36*	
26 56 19 00-0043	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,053.25	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*48.86*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*83.89*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-52.66*	
		For >100 To 250, Deduct	*-78.99*	
		For >250 To 500, Deduct	*-122.78*	
		For >500 To 1,000, Deduct	*-166.57*	
		For >1,000, Deduct	*-210.36*	
26 56 19 00-0044	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	617.57	177.50
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-30.88*	
		For >100 To 250, Deduct	*-46.32*	
		For >250 To 500, Deduct	*-68.32*	
		For >500 To 1,000, Deduct	*-90.32*	
		For >1,000, Deduct	*-112.33*	
26 56 19 00-0045	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	617.57	177.50
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-30.88*	
		For >100 To 250, Deduct	*-46.32*	
		For >250 To 500, Deduct	*-68.32*	
		For >500 To 1,000, Deduct	*-90.32*	
		For >1,000, Deduct	*-112.33*	
26 56 19 00-0046	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	646.75	177.50
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-32.34*	
		For >100 To 250, Deduct	*-48.51*	
		For >250 To 500, Deduct	*-71.97*	
		For >500 To 1,000, Deduct	*-95.43*	
		For >1,000, Deduct	*-118.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0047	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	646.75	177.50
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-32.34*	
		For >100 To 250, Deduct	*-48.51*	
		For >250 To 500, Deduct	*-71.97*	
		For >500 To 1,000, Deduct	*-95.43*	
		For >1,000, Deduct	*-118.89*	
26 56 19 00-0048	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	656.47	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-32.82*	
		For >100 To 250, Deduct	*-49.24*	
		For >250 To 500, Deduct	*-73.18*	
		For >500 To 1,000, Deduct	*-97.13*	
		For >1,000, Deduct	*-121.08*	
26 56 19 00-0049	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	656.47	177.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-32.82*	
		For >100 To 250, Deduct	*-49.24*	
		For >250 To 500, Deduct	*-73.18*	
		For >500 To 1,000, Deduct	*-97.13*	
		For >1,000, Deduct	*-121.08*	

26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0014)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0051	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	637.03	177.50
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*64.06*	
		For Bird Spikes, Add	*84.43*	
		For >50 To 100, Deduct	*-31.85*	
		For >100 To 250, Deduct	*-47.78*	
		For >250 To 500, Deduct	*-70.75*	
		For >500 To 1,000, Deduct	*-93.73*	
		For >1,000, Deduct	*-116.71*	
26 56 19 00-0052	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	637.03	177.50
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*64.06*	
		For Bird Spikes, Add	*84.43*	
		For >50 To 100, Deduct	*-31.85*	
		For >100 To 250, Deduct	*-47.78*	
		For >250 To 500, Deduct	*-70.75*	
		For >500 To 1,000, Deduct	*-93.73*	
		For >1,000, Deduct	*-116.71*	
26 56 19 00-0053	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	656.47	177.50
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*64.06*	
		For Bird Spikes, Add	*84.43*	
		For >50 To 100, Deduct	*-32.82*	
		For >100 To 250, Deduct	*-49.24*	
		For >250 To 500, Deduct	*-73.18*	
		For >500 To 1,000, Deduct	*-97.13*	
		For >1,000, Deduct	*-121.08*	
26 56 19 00-0054	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	656.47	177.50
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*64.06*	
		For Bird Spikes, Add	*84.43*	
		For >50 To 100, Deduct	*-32.82*	
		For >100 To 250, Deduct	*-49.24*	
		For >250 To 500, Deduct	*-73.18*	
		For >500 To 1,000, Deduct	*-97.13*	
		For >1,000, Deduct	*-121.08*	

26 56 19 00-0055 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0056		**Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)** *(26 56 19 00-0055)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,096.41	177.50
		For >50 To 100, Deduct	*-54.82*	
		For >100 To 250, Deduct	*-82.23*	
		For >250 To 500, Deduct	*-128.18*	
		For >500 To 1,000, Deduct	*-174.12*	
		For >1,000, Deduct	*-220.07*	
26 56 19 00-0058	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,486.90	197.22
		For >50 To 100, Deduct	*-74.35*	
		For >100 To 250, Deduct	*-111.52*	
		For >250 To 500, Deduct	*-176.00*	
		For >500 To 1,000, Deduct	*-240.49*	
		For >1,000, Deduct	*-304.97*	
26 56 19 00-0059	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,594.62	226.81
		For >50 To 100, Deduct	*-79.73*	
		For >100 To 250, Deduct	*-119.60*	
		For >250 To 500, Deduct	*-187.99*	
		For >500 To 1,000, Deduct	*-256.38*	
		For >1,000, Deduct	*-324.77*	
26 56 19 00-0060	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,374.34	246.53
		For >50 To 100, Deduct	*-118.72*	
		For >100 To 250, Deduct	*-178.08*	
		For >250 To 500, Deduct	*-284.47*	
		For >500 To 1,000, Deduct	*-390.86*	
		For >1,000, Deduct	*-497.25*	
26 56 19 00-0061	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,114.87	280.66
		For >50 To 100, Deduct	*-155.74*	
		For >100 To 250, Deduct	*-233.62*	
		For >250 To 500, Deduct	*-375.33*	
		For >500 To 1,000, Deduct	*-517.04*	
		For >1,000, Deduct	*-658.75*	
26 56 19 00-0062		**LED Roadway Lighting (PlanLED)** *(26 56 19 00-0001)*		
26 56 19 00-0063		**Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA)** *(26 56 19 00-0062)* Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,318.47	172.57
		For >50 To 100, Deduct	*-65.92*	
		For >100 To 250, Deduct	*-98.89*	
		For >250 To 500, Deduct	*-156.18*	
		For >500 To 1,000, Deduct	*-213.48*	
		For >1,000, Deduct	*-270.77*	
26 56 19 00-0065	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,434.39	174.46
		For >50 To 100, Deduct	*-71.72*	
		For >100 To 250, Deduct	*-107.58*	
		For >250 To 500, Deduct	*-170.58*	
		For >500 To 1,000, Deduct	*-233.57*	
		For >1,000, Deduct	*-296.57*	
26 56 19 00-0066	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,525.69	177.50
		For >50 To 100, Deduct	*-76.28*	
		For >100 To 250, Deduct	*-114.43*	
		For >250 To 500, Deduct	*-181.84*	
		For >500 To 1,000, Deduct	*-249.25*	
		For >1,000, Deduct	*-316.66*	
26 56 19 00-0067		**Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA)** *(26 56 19 00-0062)* Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	868.32	168.39
		For >50 To 100, Deduct	*-43.42*	
		For >100 To 250, Deduct	*-65.12*	
		For >250 To 500, Deduct	*-100.12*	
		For >500 To 1,000, Deduct	*-135.12*	
		For >1,000, Deduct	*-170.11*	
26 56 19 00-0069	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	930.46	171.43
		For >50 To 100, Deduct	*-46.52*	
		For >100 To 250, Deduct	*-69.78*	
		For >250 To 500, Deduct	*-107.74*	
		For >500 To 1,000, Deduct	*-145.69*	
		For >1,000, Deduct	*-183.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0070	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	1,028.47	174.46
		For >50 To 100, Deduct	*-51.42*	
		For >100 To 250, Deduct	*-77.14*	
		For >250 To 500, Deduct	*-119.84*	
		For >500 To 1,000, Deduct	*-162.54*	
		For >1,000, Deduct	*-205.24*	

26 56 19 00-0071 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0062)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0072	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,093.50	174.46
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*96.89*	
		For >50 To 100, Deduct	*-54.68*	
		For >100 To 250, Deduct	*-82.01*	
		For >250 To 500, Deduct	*-127.96*	
		For >500 To 1,000, Deduct	*-173.92*	
		For >1,000, Deduct	*-219.87*	
26 56 19 00-0073	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,213.16	175.99
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*29.25*	
		For >50 To 100, Deduct	*-60.66*	
		For >100 To 250, Deduct	*-90.99*	
		For >250 To 500, Deduct	*-142.85*	
		For >500 To 1,000, Deduct	*-194.70*	
		For >1,000, Deduct	*-246.56*	
26 56 19 00-0074	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,305.90	177.50
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*121.08*	
		For >50 To 100, Deduct	*-65.30*	
		For >100 To 250, Deduct	*-97.94*	
		For >250 To 500, Deduct	*-154.36*	
		For >500 To 1,000, Deduct	*-210.78*	
		For >1,000, Deduct	*-267.20*	

26 56 19 00-0075 LED Roadway Lighting (General Electric) *(26 56 19 00-0001)*

26 56 19 00-0076 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0075)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0077	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	662.84	167.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.14*	
		For >100 To 250, Deduct	*-49.71*	
		For >250 To 500, Deduct	*-74.47*	
		For >500 To 1,000, Deduct	*-99.23*	
		For >1,000, Deduct	*-123.99*	
26 56 19 00-0078	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	667.39	169.92
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.37*	
		For >100 To 250, Deduct	*-50.05*	
		For >250 To 500, Deduct	*-74.93*	
		For >500 To 1,000, Deduct	*-99.80*	
		For >1,000, Deduct	*-124.68*	
26 56 19 00-0079	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	695.36	172.57
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-34.77*	
		For >100 To 250, Deduct	*-52.15*	
		For >250 To 500, Deduct	*-78.29*	
		For >500 To 1,000, Deduct	*-104.43*	
		For >1,000, Deduct	*-130.57*	
26 56 19 00-0080	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	723.87	174.46
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-36.19*	
		For >100 To 250, Deduct	*-54.29*	
		For >250 To 500, Deduct	*-81.76*	
		For >500 To 1,000, Deduct	*-109.23*	
		For >1,000, Deduct	*-136.70*	
26 56 19 00-0081	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	799.44	178.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-39.97*	
		For >100 To 250, Deduct	*-59.96*	
		For >250 To 500, Deduct	*-91.02*	
		For >500 To 1,000, Deduct	*-122.08*	
		For >1,000, Deduct	*-153.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	839.55	179.77
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-41.98*	
		For >100 To 250, Deduct	*-62.97*	
		For >250 To 500, Deduct	*-95.96*	
		For >500 To 1,000, Deduct	*-128.94*	
		For >1,000, Deduct	*-161.93*	
26 56 19 00-0083	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	914.92	182.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-45.75*	
		For >100 To 250, Deduct	*-68.62*	
		For >250 To 500, Deduct	*-105.24*	
		For >500 To 1,000, Deduct	*-141.87*	
		For >1,000, Deduct	*-178.49*	
26 56 19 00-0084	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,075.16	187.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-53.76*	
		For >100 To 250, Deduct	*-80.64*	
		For >250 To 500, Deduct	*-125.03*	
		For >500 To 1,000, Deduct	*-169.42*	
		For >1,000, Deduct	*-213.81*	
26 56 19 00-0085	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,259.69	197.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-62.98*	
		For >100 To 250, Deduct	*-94.48*	
		For >250 To 500, Deduct	*-147.60*	
		For >500 To 1,000, Deduct	*-200.72*	
		For >1,000, Deduct	*-253.85*	

26 56 19 00-0086 Horizontal Tenon Mount, LED Cobra Head Street Lights With Wireless Control Node (General Electric) *(26 56 19 00-0075)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Includes a General Electric LightGrid™ outdoor wireless control system node.

26 56 19 00-0087	EA	3,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL105B140AGRAY DELWN0A5UG5)	895.01	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-44.75*	
		For >100 To 250, Deduct	*-67.13*	
		For >250 To 500, Deduct	*-108.08*	
		For >500 To 1,000, Deduct	*-149.04*	
		For >1,000, Deduct	*-190.00*	
		For Up To 1,000, Add	*74.33*	
26 56 19 00-0088	EA	6,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL1007B140AGRAY ELWN0A5UG5)	933.46	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-46.67*	
		For >100 To 250, Deduct	*-70.01*	
		For >250 To 500, Deduct	*-112.89*	
		For >500 To 1,000, Deduct	*-155.77*	
		For >1,000, Deduct	*-198.65*	
		For Up To 1,000, Add	*78.17*	
26 56 19 00-0089	EA	11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS1011C1X40AGRAY ELWN0A5UG5)	1,228.21	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-61.41*	
		For >100 To 250, Deduct	*-92.12*	
		For >250 To 500, Deduct	*-149.73*	
		For >500 To 1,000, Deduct	*-207.35*	
		For >1,000, Deduct	*-264.97*	
		For Up To 1,000, Add	*107.65*	
26 56 19 00-0090	EA	3,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL1004B140ADKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,061.61	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-53.08*	
		For >100 To 250, Deduct	*-79.62*	
		For >250 To 500, Deduct	*-128.91*	
		For >500 To 1,000, Deduct	*-178.20*	
		For >1,000, Deduct	*-227.48*	
		For Up To 1,000, Add	*90.99*	
26 56 19 00-0091	EA	11,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS1011E1X40DKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,433.26	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-71.66*	
		For >100 To 250, Deduct	*-107.49*	
		For >250 To 500, Deduct	*-175.36*	
		For >500 To 1,000, Deduct	*-243.23*	
		For >1,000, Deduct	*-311.10*	
		For Up To 1,000, Add	*128.15*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 19 00-0092	EA	16,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS2016E1X40NDKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,700.25	34.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
			For >50 To 100, Deduct	*-85.01*	
			For >100 To 250, Deduct	*-127.52*	
			For >250 To 500, Deduct	*-208.74*	
			For >500 To 1,000, Deduct	*-289.96*	
			For >1,000, Deduct	*-371.18*	
			For Up To 1,000, Add	*154.85*	
	26 56 19 00-0093		LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0001)*		
	26 56 19 00-0094		Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0093)*		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
	26 56 19 00-0095	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,278.14	172.57
			For >50 To 100, Deduct	*-63.91*	
			For >100 To 250, Deduct	*-95.86*	
			For >250 To 500, Deduct	*-151.14*	
			For >500 To 1,000, Deduct	*-206.42*	
			For >1,000, Deduct	*-261.70*	
	26 56 19 00-0096	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,587.20	177.50
			For >50 To 100, Deduct	*-79.36*	
			For >100 To 250, Deduct	*-119.04*	
			For >250 To 500, Deduct	*-189.53*	
			For >500 To 1,000, Deduct	*-260.01*	
			For >1,000, Deduct	*-330.50*	
	26 56 19 00-0097	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,213.32	182.43
			For >50 To 100, Deduct	*-110.67*	
			For >100 To 250, Deduct	*-166.00*	
			For >250 To 500, Deduct	*-267.54*	
			For >500 To 1,000, Deduct	*-369.09*	
			For >1,000, Deduct	*-470.63*	
	26 56 19 00-0098	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,843.81	189.64
			For >50 To 100, Deduct	*-142.19*	
			For >100 To 250, Deduct	*-213.29*	
			For >250 To 500, Deduct	*-345.99*	
			For >500 To 1,000, Deduct	*-478.70*	
			For >1,000, Deduct	*-611.41*	
	26 56 19 00-0099	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,460.00	194.95
			For >50 To 100, Deduct	*-173.00*	
			For >100 To 250, Deduct	*-259.50*	
			For >250 To 500, Deduct	*-422.75*	
			For >500 To 1,000, Deduct	*-586.01*	
			For >1,000, Deduct	*-749.26*	
	26 56 19 00-0100		LED Roadway Lighting (Leotek) *(26 56 19 00-0001)*		
	26 56 19 00-0101		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0100)*		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
	26 56 19 00-0102	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	678.26	172.57
			For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
			For Twist Lock Shorting Cap, Add	*10.30*	
			For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
			For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
			For >50 To 100, Deduct	*-33.91*	
			For >100 To 250, Deduct	*-50.87*	
			For >250 To 500, Deduct	*-76.15*	
			For >500 To 1,000, Deduct	*-101.44*	
			For >1,000, Deduct	*-126.72*	
	26 56 19 00-0103	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	692.86	174.46
			For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
			For Twist Lock Shorting Cap, Add	*10.30*	
			For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
			For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
			For >50 To 100, Deduct	*-34.64*	
			For >100 To 250, Deduct	*-51.96*	
			For >250 To 500, Deduct	*-77.88*	
			For >500 To 1,000, Deduct	*-103.80*	
			For >1,000, Deduct	*-129.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0104	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	738.41	175.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-36.92*	
		For >100 To 250, Deduct	*-55.38*	
		For >250 To 500, Deduct	*-83.52*	
		For >500 To 1,000, Deduct	*-111.66*	
		For >1,000, Deduct	*-139.80*	
26 56 19 00-0105	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	855.89	182.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-42.79*	
		For >100 To 250, Deduct	*-64.19*	
		For >250 To 500, Deduct	*-97.86*	
		For >500 To 1,000, Deduct	*-131.54*	
		For >1,000, Deduct	*-165.21*	
26 56 19 00-0106	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	999.87	187.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-49.99*	
		For >100 To 250, Deduct	*-74.99*	
		For >250 To 500, Deduct	*-115.62*	
		For >500 To 1,000, Deduct	*-156.24*	
		For >1,000, Deduct	*-196.87*	
26 56 19 00-0107	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	1,005.94	190.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-50.30*	
		For >100 To 250, Deduct	*-75.45*	
		For >250 To 500, Deduct	*-116.22*	
		For >500 To 1,000, Deduct	*-157.00*	
		For >1,000, Deduct	*-197.78*	
26 56 19 00-0108	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,230.47	193.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-61.52*	
		For >100 To 250, Deduct	*-92.29*	
		For >250 To 500, Deduct	*-144.14*	
		For >500 To 1,000, Deduct	*-195.99*	
		For >1,000, Deduct	*-247.84*	
26 56 19 00-0109	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,289.98	197.22
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-64.50*	
		For >100 To 250, Deduct	*-96.75*	
		For >250 To 500, Deduct	*-151.39*	
		For >500 To 1,000, Deduct	*-206.02*	
		For >1,000, Deduct	*-260.66*	
26 56 19 00-0110	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,438.80	200.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-71.94*	
		For >100 To 250, Deduct	*-107.91*	
		For >250 To 500, Deduct	*-169.84*	
		For >500 To 1,000, Deduct	*-231.76*	
		For >1,000, Deduct	*-293.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0111	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,542.21	203.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-77.11*	
		For >100 To 250, Deduct	*-115.67*	
		For >250 To 500, Deduct	*-182.61*	
		For >500 To 1,000, Deduct	*-249.56*	
		For >1,000, Deduct	*-316.50*	
26 56 19 00-0112	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	783.71	174.46
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-39.19*	
		For >100 To 250, Deduct	*-58.78*	
		For >250 To 500, Deduct	*-89.24*	
		For >500 To 1,000, Deduct	*-119.70*	
		For >1,000, Deduct	*-150.17*	
26 56 19 00-0113	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	859.88	179.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-42.99*	
		For >100 To 250, Deduct	*-64.49*	
		For >250 To 500, Deduct	*-98.53*	
		For >500 To 1,000, Deduct	*-132.58*	
		For >1,000, Deduct	*-166.62*	
26 56 19 00-0114	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	927.28	182.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-46.36*	
		For >100 To 250, Deduct	*-69.55*	
		For >250 To 500, Deduct	*-106.79*	
		For >500 To 1,000, Deduct	*-144.03*	
		For >1,000, Deduct	*-181.27*	
26 56 19 00-0115	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	985.36	186.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-49.27*	
		For >100 To 250, Deduct	*-73.90*	
		For >250 To 500, Deduct	*-113.84*	
		For >500 To 1,000, Deduct	*-153.78*	
		For >1,000, Deduct	*-193.72*	
26 56 19 00-0116	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	1,044.64	188.12
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-52.23*	
		For >100 To 250, Deduct	*-78.35*	
		For >250 To 500, Deduct	*-121.17*	
		For >500 To 1,000, Deduct	*-164.00*	
		For >1,000, Deduct	*-206.83*	
26 56 19 00-0117	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,242.15	194.95
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-62.11*	
		For >100 To 250, Deduct	*-93.16*	
		For >250 To 500, Deduct	*-145.52*	
		For >500 To 1,000, Deduct	*-197.88*	
		For >1,000, Deduct	*-250.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0118	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,403.32	198.74
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-70.17*	
		For >100 To 250, Deduct	*-105.25*	
		For >250 To 500, Deduct	*-165.48*	
		For >500 To 1,000, Deduct	*-225.71*	
		For >1,000, Deduct	*-285.94*	
26 56 19 00-0119	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,491.37	199.50
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-74.57*	
		For >100 To 250, Deduct	*-111.85*	
		For >250 To 500, Deduct	*-176.45*	
		For >500 To 1,000, Deduct	*-241.04*	
		For >1,000, Deduct	*-305.63*	
26 56 19 00-0120	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,575.95	201.77
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-78.80*	
		For >100 To 250, Deduct	*-118.20*	
		For >250 To 500, Deduct	*-186.91*	
		For >500 To 1,000, Deduct	*-255.61*	
		For >1,000, Deduct	*-324.32*	
26 56 19 00-0121	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	841.54	190.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-42.08*	
		For >100 To 250, Deduct	*-63.12*	
		For >250 To 500, Deduct	*-95.67*	
		For >500 To 1,000, Deduct	*-128.23*	
		For >1,000, Deduct	*-160.79*	
26 56 19 00-0122	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	910.21	192.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-45.51*	
		For >100 To 250, Deduct	*-68.27*	
		For >250 To 500, Deduct	*-104.16*	
		For >500 To 1,000, Deduct	*-140.06*	
		For >1,000, Deduct	*-175.95*	
26 56 19 00-0123	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	648.85	174.08
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-32.44*	
		For >100 To 250, Deduct	*-48.66*	
		For >250 To 500, Deduct	*-72.40*	
		For >500 To 1,000, Deduct	*-96.14*	
		For >1,000, Deduct	*-119.88*	
26 56 19 00-0124	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	660.53	175.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-33.03*	
		For >100 To 250, Deduct	*-49.54*	
		For >250 To 500, Deduct	*-73.79*	
		For >500 To 1,000, Deduct	*-98.03*	
		For >1,000, Deduct	*-122.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0125	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	717.12	179.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-35.86*	
		For >100 To 250, Deduct	*-53.78*	
		For >250 To 500, Deduct	*-80.69*	
		For >500 To 1,000, Deduct	*-107.59*	
		For >1,000, Deduct	*-134.50*	
26 56 19 00-0126	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,098.52	193.43
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-54.93*	
		For >100 To 250, Deduct	*-82.39*	
		For >250 To 500, Deduct	*-127.64*	
		For >500 To 1,000, Deduct	*-172.90*	
		For >1,000, Deduct	*-218.15*	
26 56 19 00-0127	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,430.80	199.50
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-71.54*	
		For >100 To 250, Deduct	*-107.31*	
		For >250 To 500, Deduct	*-168.88*	
		For >500 To 1,000, Deduct	*-230.44*	
		For >1,000, Deduct	*-292.01*	
26 56 19 00-0128	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,276.57	200.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-63.83*	
		For >100 To 250, Deduct	*-95.74*	
		For >250 To 500, Deduct	*-149.56*	
		For >500 To 1,000, Deduct	*-203.37*	
		For >1,000, Deduct	*-257.19*	
26 56 19 00-0129	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	623.64	174.46
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-31.18*	
		For >100 To 250, Deduct	*-46.77*	
		For >250 To 500, Deduct	*-69.23*	
		For >500 To 1,000, Deduct	*-91.69*	
		For >1,000, Deduct	*-114.15*	

26 56 19 00-0130 LED, Wall Packs *(26 56 19)*

26 56 19 00-0131 Full Cutoff, LED Wall Packs *(26 56 19 00-0130)*

26 56 19 00-0132 Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0131)*

26 56 19 00-0133	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,134.91	132.74
		For >50 To 100, Deduct	*-56.75*	
		For >100 To 250, Deduct	*-85.12*	
		For >250 To 500, Deduct	*-135.23*	
		For >500 To 1,000, Deduct	*-185.33*	
		For >1,000, Deduct	*-235.44*	
26 56 19 00-0134	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,229.28	132.74
		For >50 To 100, Deduct	*-61.46*	
		For >100 To 250, Deduct	*-92.20*	
		For >250 To 500, Deduct	*-147.02*	
		For >500 To 1,000, Deduct	*-201.85*	
		For >1,000, Deduct	*-256.68*	

26 56 19 00-0135 Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0131)*

26 56 19 00-0136 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0135)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	928.93	128.96
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*47.91*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-46.45*	
		For >100 To 250, Deduct	*-69.67*	
		For >250 To 500, Deduct	*-109.67*	
		For >500 To 1,000, Deduct	*-149.67*	
		For >1,000, Deduct	*-189.67*	
26 56 19 00-0138	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,187.23	136.54
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*48.66*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-59.36*	
		For >100 To 250, Deduct	*-89.04*	
		For >250 To 500, Deduct	*-141.58*	
		For >500 To 1,000, Deduct	*-194.11*	
		For >1,000, Deduct	*-246.65*	
26 56 19 00-0139	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,327.98	144.12
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*49.42*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-66.40*	
		For >100 To 250, Deduct	*-99.60*	
		For >250 To 500, Deduct	*-158.79*	
		For >500 To 1,000, Deduct	*-217.98*	
		For >1,000, Deduct	*-277.18*	
26 56 19 00-0140	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,703.82	151.72
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*50.18*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-85.19*	
		For >100 To 250, Deduct	*-127.79*	
		For >250 To 500, Deduct	*-205.39*	
		For >500 To 1,000, Deduct	*-283.00*	
		For >1,000, Deduct	*-360.60*	
26 56 19 00-0141	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,962.12	159.30
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*50.94*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-98.11*	
		For >100 To 250, Deduct	*-147.16*	
		For >250 To 500, Deduct	*-237.30*	
		For >500 To 1,000, Deduct	*-327.44*	
		For >1,000, Deduct	*-417.58*	
26 56 19 00-0142	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,220.42	166.88
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*51.70*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-111.02*	
		For >100 To 250, Deduct	*-166.53*	
		For >250 To 500, Deduct	*-269.21*	
		For >500 To 1,000, Deduct	*-371.89*	
		For >1,000, Deduct	*-474.56*	

26 56 19 00-0143 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0135)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 19 00-0144	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	567.90	128.96
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
			For 0 To 10 Volt Dimming, Add	*55.57*	
			For Multi-Level, Add	*55.57*	
			For >50 To 100, Deduct	*-28.40*	
			For >100 To 250, Deduct	*-42.59*	
			For >250 To 500, Deduct	*-64.54*	
			For >500 To 1,000, Deduct	*-86.49*	
			For >1,000, Deduct	*-108.43*	
	26 56 19 00-0145	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	655.39	136.54
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
			For 0 To 10 Volt Dimming, Add	*55.57*	
			For Multi-Level, Add	*55.57*	
			For >50 To 100, Deduct	*-32.77*	
			For >100 To 250, Deduct	*-49.15*	
			For >250 To 500, Deduct	*-75.10*	
			For >500 To 1,000, Deduct	*-101.04*	
			For >1,000, Deduct	*-126.98*	
	26 56 19 00-0146		**Full Cutoff, LED Wall Packs (General Electric Evolve™)** *(26 56 19 00-0131)*		
	26 56 19 00-0147	EA	29 Watt, Wall Mount, Full Cutoff, LED Wall Pack (General Electric EWS2 0 A7 D1 40 1 DKBZ)	924.31	128.96
			For >50 To 100, Deduct	*-46.22*	
			For >100 To 250, Deduct	*-69.32*	
			For >250 To 500, Deduct	*-109.09*	
			For >500 To 1,000, Deduct	*-148.86*	
			For >1,000, Deduct	*-188.63*	
	26 56 19 00-0148		**Wall Mount, Full Cutoff, LED Wall Packs (Leotek® Eseta™)** *(26 56 19 00-0131)*		
			Note: UL wet listed. Includes 3,000K or 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
	26 56 19 00-0149	EA	59 Watt, Wall Mount, Full Cutoff, LED Wall Pack (Leotek® Eseta™ ES1-24H-MV-NW-X-GY-XXX)	902.54	136.54
			For >50 To 100, Deduct	*-45.13*	
			For >100 To 250, Deduct	*-67.69*	
			For >250 To 500, Deduct	*-105.99*	
			For >500 To 1,000, Deduct	*-144.29*	
			For >1,000, Deduct	*-182.59*	
	26 56 19 00-0150	EA	82 Watt, Wall Mount, Full Cutoff, LED Wall Pack (Leotek® Eseta™ ES1-48H-MV-NW-X-GY-XXX)	1,118.91	151.72
			For >50 To 100, Deduct	*-55.95*	
			For >100 To 250, Deduct	*-83.92*	
			For >250 To 500, Deduct	*-132.28*	
			For >500 To 1,000, Deduct	*-180.64*	
			For >1,000, Deduct	*-229.00*	
	26 56 19 00-0151		**Full Cutoff, LED Wall Packs (McGraw-Edison)** *(26 56 19 00-0131)*		
	26 56 19 00-0152	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,379.39	128.96
	26 56 19 00-0153	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,712.97	136.54
	26 56 19 00-0154	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,395.78	128.96
	26 56 19 00-0155	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,862.82	136.54
	26 56 19 00-0156		**Open Face LED Wall Pack** *(26 56 19 00-0130)*		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
	26 56 19 00-0157	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	774.82	135.48
			For >50 To 100, Deduct	*-38.74*	
			For >100 To 250, Deduct	*-58.11*	
			For >250 To 500, Deduct	*-86.69*	
			For >500 To 1,000, Deduct	*-115.27*	
			For >1,000, Deduct	*-143.85*	
	26 56 19 00-0158	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	793.92	135.48
			For >50 To 100, Deduct	*-39.70*	
			For >100 To 250, Deduct	*-59.54*	
			For >250 To 500, Deduct	*-89.08*	
			For >500 To 1,000, Deduct	*-118.61*	
			For >1,000, Deduct	*-148.15*	
	26 56 19 00-0159	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	834.99	135.48
			For >50 To 100, Deduct	*-41.75*	
			For >100 To 250, Deduct	*-62.62*	
			For >250 To 500, Deduct	*-94.21*	
			For >500 To 1,000, Deduct	*-125.80*	
			For >1,000, Deduct	*-157.39*	
	26 56 19 00-0160	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	870.33	135.48
			For >50 To 100, Deduct	*-43.52*	
			For >100 To 250, Deduct	*-65.27*	
			For >250 To 500, Deduct	*-98.63*	
			For >500 To 1,000, Deduct	*-131.99*	
			For >1,000, Deduct	*-165.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0161	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	933.09	135.48
		For >50 To 100, Deduct	*-46.65*	
		For >100 To 250, Deduct	*-69.98*	
		For >250 To 500, Deduct	*-106.48*	
		For >500 To 1,000, Deduct	*-142.97*	
		For >1,000, Deduct	*-179.46*	

26 56 19 00-0162 Wall Pack LED Fixtures (Jarvis WMFT) *(26 56 19 00-0130)*

26 56 19 00-0163	EA	3,200 Lumens, 25 Watt, 1 LED, Wall Mounted Security Fixture (Jarvis Corp WMFT-100)	354.02	99.04
		For >50 To 100, Deduct	*-17.70*	
		For >100 To 250, Deduct	*-26.55*	
		For >250 To 500, Deduct	*-39.30*	
		For >500 To 1,000, Deduct	*-52.05*	
		For >1,000, Deduct	*-64.80*	
26 56 19 00-0164	EA	6,451 Lumens, 52 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250)	388.69	99.04
		For >50 To 100, Deduct	*-19.43*	
		For >100 To 250, Deduct	*-29.15*	
		For >250 To 500, Deduct	*-43.63*	
		For >500 To 1,000, Deduct	*-58.12*	
		For >1,000, Deduct	*-72.60*	
26 56 19 00-0165	EA	9,503 Lumens, 77 Watt, 3 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-350)	440.70	99.04
		For >50 To 100, Deduct	*-22.04*	
		For >100 To 250, Deduct	*-33.05*	
		For >250 To 500, Deduct	*-50.14*	
		For >500 To 1,000, Deduct	*-67.22*	
		For >1,000, Deduct	*-84.30*	
26 56 19 00-0166	EA	5,235 Lumens, 54 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250-HV)	414.69	99.04
		For >50 To 100, Deduct	*-20.73*	
		For >100 To 250, Deduct	*-31.10*	
		For >250 To 500, Deduct	*-46.88*	
		For >500 To 1,000, Deduct	*-62.67*	
		For >1,000, Deduct	*-78.45*	

26 56 19 00-0167 Wall Pack Accessories *(26 56 19 00-0130)*

26 56 19 00-0168	EA	Photocell For Wall Pack	150.25	33.87
26 56 19 00-0169	EA	Wire Guard For Mini And Small Wall Pack	167.50	33.87
26 56 19 00-0170	EA	Wire Guard For Medium And Large Wall Pack	239.63	33.87
26 56 19 00-0171	EA	Clear Polycarbonate Vandal Guard For Wall Packs	343.72	33.87
26 56 19 00-0172	EA	Full Cutoff Visor For Wall Pack	162.80	33.87

26 56 19 00-0173 LED, Pole Mounted *(26 56 19)*

26 56 19 00-0174 LED, Pole Mounted (Dialight) *(26 56 19 00-0173)*

26 56 19 00-0175	EA	131 Watt, Enclosed And Gasketed, Exterior LED Roadway Fixture (Dialight SL2C4ELGH)	2,129.97	216.95
		For >50 To 100, Deduct	*-106.50*	
		For >100 To 250, Deduct	*-159.75*	
		For >250 To 500, Deduct	*-255.40*	
		For >500 To 1,000, Deduct	*-351.05*	
		For >1,000, Deduct	*-446.70*	

26 56 19 00-0176 LED, Pole Mounted (LED-Era) *(26 56 19 00-0173)*

26 56 19 00-0177	EA	88 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5)	2,644.96	197.22
		For >50 To 100, Deduct	*-132.25*	
		For >100 To 250, Deduct	*-198.37*	
		For >250 To 500, Deduct	*-320.76*	
		For >500 To 1,000, Deduct	*-443.15*	
		For >1,000, Deduct	*-565.53*	
26 56 19 00-0178	EA	124 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7)	3,148.14	216.95
		For >50 To 100, Deduct	*-157.41*	
		For >100 To 250, Deduct	*-236.11*	
		For >250 To 500, Deduct	*-382.67*	
		For >500 To 1,000, Deduct	*-529.23*	
		For >1,000, Deduct	*-675.79*	

26 56 19 00-0179 LED, Pole Mounted (Lighting Science Group) *(26 56 19 00-0173)*

26 56 19 00-0180	EA	50 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	1,931.72	177.50
		For >50 To 100, Deduct	*-96.59*	
		For >100 To 250, Deduct	*-144.88*	
		For >250 To 500, Deduct	*-232.59*	
		For >500 To 1,000, Deduct	*-320.30*	
		For >1,000, Deduct	*-408.01*	
26 56 19 00-0181	EA	75 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	1,971.17	197.22
		For >50 To 100, Deduct	*-98.56*	
		For >100 To 250, Deduct	*-147.84*	
		For >250 To 500, Deduct	*-236.54*	
		For >500 To 1,000, Deduct	*-325.23*	
		For >1,000, Deduct	*-413.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0182	EA	100 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	2,132.73	207.08
		For >50 To 100, Deduct	*-106.64*	
		For >100 To 250, Deduct	*-159.95*	
		For >250 To 500, Deduct	*-256.24*	
		For >500 To 1,000, Deduct	*-352.52*	
		For >1,000, Deduct	*-448.80*	
26 56 19 00-0183	EA	100 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	2,132.73	207.08
		For >50 To 100, Deduct	*-106.64*	
		For >100 To 250, Deduct	*-159.95*	
		For >250 To 500, Deduct	*-256.24*	
		For >500 To 1,000, Deduct	*-352.52*	
		For >1,000, Deduct	*-448.80*	
26 56 19 00-0184	EA	150 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	2,172.18	226.81
		For >50 To 100, Deduct	*-108.61*	
		For >100 To 250, Deduct	*-162.91*	
		For >250 To 500, Deduct	*-260.18*	
		For >500 To 1,000, Deduct	*-357.45*	
		For >1,000, Deduct	*-454.72*	
26 56 19 00-0185	EA	150 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	2,172.18	226.81
		For >50 To 100, Deduct	*-108.61*	
		For >100 To 250, Deduct	*-162.91*	
		For >250 To 500, Deduct	*-260.18*	
		For >500 To 1,000, Deduct	*-357.45*	
		For >1,000, Deduct	*-454.72*	
26 56 19 00-0186	EA	86 Watt, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR)	2,544.03	197.22
		For >50 To 100, Deduct	*-127.20*	
		For >100 To 250, Deduct	*-190.80*	
		For >250 To 500, Deduct	*-308.14*	
		For >500 To 1,000, Deduct	*-425.48*	
		For >1,000, Deduct	*-542.82*	

26 56 19 00-0187 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0188 Pole Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0189 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0190	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,517.21	128.96
		For >50 To 100, Deduct	*-125.86*	
		For >100 To 250, Deduct	*-188.79*	
		For >250 To 500, Deduct	*-308.20*	
		For >500 To 1,000, Deduct	*-427.62*	
		For >1,000, Deduct	*-547.03*	
26 56 19 00-0191	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,713.13	136.54
		For >50 To 100, Deduct	*-135.66*	
		For >100 To 250, Deduct	*-203.48*	
		For >250 To 500, Deduct	*-332.31*	
		For >500 To 1,000, Deduct	*-461.14*	
		For >1,000, Deduct	*-589.97*	
26 56 19 00-0192	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,924.21	151.72
		For >50 To 100, Deduct	*-146.21*	
		For >100 To 250, Deduct	*-219.32*	
		For >250 To 500, Deduct	*-357.94*	
		For >500 To 1,000, Deduct	*-496.57*	
		For >1,000, Deduct	*-635.19*	
26 56 19 00-0193	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,939.38	159.30
		For >50 To 100, Deduct	*-146.97*	
		For >100 To 250, Deduct	*-220.45*	
		For >250 To 500, Deduct	*-359.46*	
		For >500 To 1,000, Deduct	*-498.46*	
		For >1,000, Deduct	*-637.47*	

26 56 19 00-0194 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

26 56 19 00-0195	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,234.28	136.54
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*40.05*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-61.71*	
		For >100 To 250, Deduct	*-92.57*	
		For >250 To 500, Deduct	*-147.46*	
		For >500 To 1,000, Deduct	*-202.35*	
		For >1,000, Deduct	*-257.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0196	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,480.33	144.12
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*40.81*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-74.02*	
		For >100 To 250, Deduct	*-111.02*	
		For >250 To 500, Deduct	*-177.84*	
		For >500 To 1,000, Deduct	*-244.65*	
		For >1,000, Deduct	*-311.46*	
26 56 19 00-0197	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,819.04	151.72
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*41.57*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-90.95*	
		For >100 To 250, Deduct	*-136.43*	
		For >250 To 500, Deduct	*-219.79*	
		For >500 To 1,000, Deduct	*-303.16*	
		For >1,000, Deduct	*-386.53*	
26 56 19 00-0198	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,065.09	159.30
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*42.33*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-103.25*	
		For >100 To 250, Deduct	*-154.88*	
		For >250 To 500, Deduct	*-250.17*	
		For >500 To 1,000, Deduct	*-345.46*	
		For >1,000, Deduct	*-440.75*	
26 56 19 00-0199	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,311.13	166.88
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*43.09*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-115.56*	
		For >100 To 250, Deduct	*-173.33*	
		For >250 To 500, Deduct	*-280.55*	
		For >500 To 1,000, Deduct	*-387.76*	
		For >1,000, Deduct	*-494.97*	
26 56 19 00-0200	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,631.00	174.46
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*43.85*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-131.55*	
		For >100 To 250, Deduct	*-197.33*	
		For >250 To 500, Deduct	*-320.15*	
		For >500 To 1,000, Deduct	*-442.98*	
		For >1,000, Deduct	*-565.81*	
26 56 19 00-0201	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,877.05	182.05
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*44.61*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-143.85*	
		For >100 To 250, Deduct	*-215.78*	
		For >250 To 500, Deduct	*-350.53*	
		For >500 To 1,000, Deduct	*-485.28*	
		For >1,000, Deduct	*-620.03*	

26 56 19 00-0202 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0203	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,140.66	166.88
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*45.87*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.61*	
		For >50 To 100, Deduct	*-107.03*	
		For >100 To 250, Deduct	*-160.55*	
		For >250 To 500, Deduct	*-259.24*	
		For >500 To 1,000, Deduct	*-357.93*	
		For >1,000, Deduct	*-456.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0204	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	3,578.03	204.81
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*67.17*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-178.90*	
		For >100 To 250, Deduct	*-268.35*	
		For >250 To 500, Deduct	*-437.01*	
		For >500 To 1,000, Deduct	*-605.67*	
		For >1,000, Deduct	*-774.34*	

26 56 19 00-0205 Arm Mount, Rectangular, LED Area Fixtures (General Electric Evolve™) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, 525mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0206	EA	3,730 Lumens, 46 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 A4 5 40 A A DKBZ)	1,474.52	136.54
		For >50 To 100, Deduct	*-73.73*	
		For >100 To 250, Deduct	*-110.59*	
		For >250 To 500, Deduct	*-177.49*	
		For >500 To 1,000, Deduct	*-244.39*	
		For >1,000, Deduct	*-311.29*	
26 56 19 00-0207	EA	5,510 Lumens, 65 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 B4 5 40 A A DKBZ)	1,569.79	144.12
		For >50 To 100, Deduct	*-78.49*	
		For >100 To 250, Deduct	*-117.73*	
		For >250 To 500, Deduct	*-189.02*	
		For >500 To 1,000, Deduct	*-260.30*	
		For >1,000, Deduct	*-331.58*	
26 56 19 00-0208	EA	7,180 Lumens, 85 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 C4 5 40 A A DKBZ)	1,638.36	151.72
		For >50 To 100, Deduct	*-81.92*	
		For >100 To 250, Deduct	*-122.88*	
		For >250 To 500, Deduct	*-197.21*	
		For >500 To 1,000, Deduct	*-271.54*	
		For >1,000, Deduct	*-345.87*	
26 56 19 00-0209	EA	8,810 Lumens, 104 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 D4 5 40 A A DKBZ)	1,706.93	159.30
		For >50 To 100, Deduct	*-85.35*	
		For >100 To 250, Deduct	*-128.02*	
		For >250 To 500, Deduct	*-205.40*	
		For >500 To 1,000, Deduct	*-282.78*	
		For >1,000, Deduct	*-360.17*	
26 56 19 00-0210	EA	15,400 Lumens, 144 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EASC 0 F4 F 5 40 A A DKBZ)	2,322.82	166.88
		For >50 To 100, Deduct	*-116.14*	
		For >100 To 250, Deduct	*-174.21*	
		For >250 To 500, Deduct	*-282.01*	
		For >500 To 1,000, Deduct	*-389.81*	
		For >1,000, Deduct	*-497.60*	

26 56 19 00-0211 Pole Mount, Rectangular, LED Area Fixtures With Wireless Control Node (General Electric) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and bronze powder coat finish. Includes a General Electric LightGrid™ outdoor wireless control node.

26 56 19 00-0212	EA	33,000 Lumens, 283 Watt, Pole Mount, Rectangular, LED Area Fixture With Wireless Control Node (General Electric EASC-0-K3-F5-40-AA-DKBZ ELWN0A5UG5)	2,954.02	34.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.52*	
		For >50 To 100, Deduct	*-147.70*	
		For >100 To 250, Deduct	*-221.55*	
		For >250 To 500, Deduct	*-365.46*	
		For >500 To 1,000, Deduct	*-509.37*	
		For >1,000, Deduct	*-653.28*	
		For Up To 1,000, Add	*280.23*	

26 56 19 00-0213 Arm Mount, Round, LED Security Area Fixtures (Everlast EL-LED-NW) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.

26 56 19 00-0214	EA	3,675 Lumens, 35 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	587.06	136.54
		For >50 To 100, Deduct	*-29.35*	
		For >100 To 250, Deduct	*-44.03*	
		For >250 To 500, Deduct	*-66.56*	
		For >500 To 1,000, Deduct	*-89.08*	
		For >1,000, Deduct	*-111.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0215	EA	4,480 Lumens, 40 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	593.79	136.54
		For >50 To 100, Deduct	*-29.69*	
		For >100 To 250, Deduct	*-44.53*	
		For >250 To 500, Deduct	*-67.40*	
		For >500 To 1,000, Deduct	*-90.26*	
		For >1,000, Deduct	*-113.12*	
26 56 19 00-0216	EA	5,040 Lumens, 45 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	598.27	136.54
		For >50 To 100, Deduct	*-29.91*	
		For >100 To 250, Deduct	*-44.87*	
		For >250 To 500, Deduct	*-67.96*	
		For >500 To 1,000, Deduct	*-91.04*	
		For >1,000, Deduct	*-114.13*	
26 56 19 00-0217	EA	5,050 Lumens, 50 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	609.48	136.54
		For >50 To 100, Deduct	*-30.47*	
		For >100 To 250, Deduct	*-45.71*	
		For >250 To 500, Deduct	*-69.36*	
		For >500 To 1,000, Deduct	*-93.01*	
		For >1,000, Deduct	*-116.65*	
26 56 19 00-0218	EA	6,565 Lumens, 65 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	687.98	136.54
		For >50 To 100, Deduct	*-34.40*	
		For >100 To 250, Deduct	*-51.60*	
		For >250 To 500, Deduct	*-79.17*	
		For >500 To 1,000, Deduct	*-106.74*	
		For >1,000, Deduct	*-134.31*	

26 56 19 00-0219 Arm Mount, Round, LED Area Fixtures (Everlast EL-LED-MS) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.

26 56 19 00-0220	EA	6,300 Lumens, 60 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,106.30	151.72
		For >50 To 100, Deduct	*-55.32*	
		For >100 To 250, Deduct	*-82.97*	
		For >250 To 500, Deduct	*-130.70*	
		For >500 To 1,000, Deduct	*-178.43*	
		For >1,000, Deduct	*-226.16*	
26 56 19 00-0221	EA	9,500 Lumens, 100 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,211.71	151.72
		For >50 To 100, Deduct	*-60.59*	
		For >100 To 250, Deduct	*-90.88*	
		For >250 To 500, Deduct	*-143.88*	
		For >500 To 1,000, Deduct	*-196.88*	
		For >1,000, Deduct	*-249.88*	
26 56 19 00-0222	EA	12,450 Lumens, 150 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,368.70	151.72
		For >50 To 100, Deduct	*-68.44*	
		For >100 To 250, Deduct	*-102.65*	
		For >250 To 500, Deduct	*-163.50*	
		For >500 To 1,000, Deduct	*-224.35*	
		For >1,000, Deduct	*-285.20*	

26 56 19 00-0223 Arm Mount, Rectangular, LED Area Fixtures (Everlast EL-LED-VS) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,700K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.

26 56 19 00-0224	EA	14,000 Lumens, 140 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,099.58	151.72
		For >50 To 100, Deduct	*-54.98*	
		For >100 To 250, Deduct	*-82.47*	
		For >250 To 500, Deduct	*-129.86*	
		For >500 To 1,000, Deduct	*-177.26*	
		For >1,000, Deduct	*-224.65*	
26 56 19 00-0225	EA	21,000 Lumens, 210 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,166.86	151.72
		For >50 To 100, Deduct	*-58.34*	
		For >100 To 250, Deduct	*-87.51*	
		For >250 To 500, Deduct	*-138.27*	
		For >500 To 1,000, Deduct	*-189.03*	
		For >1,000, Deduct	*-239.79*	
26 56 19 00-0226	EA	28,000 Lumens, 280 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,379.91	151.72
		For >50 To 100, Deduct	*-69.00*	
		For >100 To 250, Deduct	*-103.49*	
		For >250 To 500, Deduct	*-164.90*	
		For >500 To 1,000, Deduct	*-226.31*	
		For >1,000, Deduct	*-287.72*	
26 56 19 00-0227	EA	42,000 Lumens, 420 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,749.96	151.72
		For >50 To 100, Deduct	*-87.50*	
		For >100 To 250, Deduct	*-131.25*	
		For >250 To 500, Deduct	*-211.16*	
		For >500 To 1,000, Deduct	*-291.07*	
		For >1,000, Deduct	*-370.98*	

26 56 19 00-0228 Wall Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0229 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0228)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0230	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,127.29	128.96
		For >50 To 100, Deduct	*-56.36*	
		For >100 To 250, Deduct	*-84.55*	
		For >250 To 500, Deduct	*-134.46*	
		For >500 To 1,000, Deduct	*-184.38*	
		For >1,000, Deduct	*-234.30*	
26 56 19 00-0231	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,157.63	144.12
		For >50 To 100, Deduct	*-57.88*	
		For >100 To 250, Deduct	*-86.82*	
		For >250 To 500, Deduct	*-137.50*	
		For >500 To 1,000, Deduct	*-188.17*	
		For >1,000, Deduct	*-238.85*	

26 56 19 00-0232 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0187)*

26 56 19 00-0233 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0234	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,096.07	136.54
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-54.80*	
		For >100 To 250, Deduct	*-82.21*	
		For >250 To 500, Deduct	*-130.18*	
		For >500 To 1,000, Deduct	*-178.16*	
		For >1,000, Deduct	*-226.13*	
26 56 19 00-0235	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,342.12	144.12
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-67.11*	
		For >100 To 250, Deduct	*-100.66*	
		For >250 To 500, Deduct	*-160.56*	
		For >500 To 1,000, Deduct	*-220.46*	
		For >1,000, Deduct	*-280.36*	
26 56 19 00-0236	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,588.16	151.72
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-79.41*	
		For >100 To 250, Deduct	*-119.11*	
		For >250 To 500, Deduct	*-190.93*	
		For >500 To 1,000, Deduct	*-262.76*	
		For >1,000, Deduct	*-334.58*	
26 56 19 00-0237	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,834.21	159.30
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-91.71*	
		For >100 To 250, Deduct	*-137.57*	
		For >250 To 500, Deduct	*-221.31*	
		For >500 To 1,000, Deduct	*-305.06*	
		For >1,000, Deduct	*-388.80*	

26 56 19 00-0238 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0239	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,058.38	136.54
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-52.92*	
		For >100 To 250, Deduct	*-79.38*	
		For >250 To 500, Deduct	*-125.47*	
		For >500 To 1,000, Deduct	*-171.56*	
		For >1,000, Deduct	*-217.65*	
26 56 19 00-0240	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,166.21	144.12
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-58.31*	
		For >100 To 250, Deduct	*-87.47*	
		For >250 To 500, Deduct	*-138.57*	
		For >500 To 1,000, Deduct	*-189.67*	
		For >1,000, Deduct	*-240.78*	

26 56 19 00-0241 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0232)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0242	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,073.72	136.54
		For >50 To 100, Deduct	*-53.69*	
		For >100 To 250, Deduct	*-80.53*	
		For >250 To 500, Deduct	*-127.39*	
		For >500 To 1,000, Deduct	*-174.25*	
		For >1,000, Deduct	*-221.11*	

26 56 19 00-0243 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0244	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,124.49	144.12
		For >50 To 100, Deduct	*-106.22*	
		For >100 To 250, Deduct	*-159.34*	
		For >250 To 500, Deduct	*-258.36*	
		For >500 To 1,000, Deduct	*-357.37*	
		For >1,000, Deduct	*-456.39*	
26 56 19 00-0245	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,154.83	159.30
		For >50 To 100, Deduct	*-107.74*	
		For >100 To 250, Deduct	*-161.61*	
		For >250 To 500, Deduct	*-261.39*	
		For >500 To 1,000, Deduct	*-361.17*	
		For >1,000, Deduct	*-460.94*	

26 56 19 00-0246 Surface Mount, Rectangular, LED Parking Structure Fixtures (Everlast EL-LED-SS) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 2,700, 4,000K or 5,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0247	EA	3,600 Lumens, 36 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	811.33	136.54
		For >50 To 100, Deduct	*-40.57*	
		For >100 To 250, Deduct	*-60.85*	
		For >250 To 500, Deduct	*-94.59*	
		For >500 To 1,000, Deduct	*-128.33*	
		For >1,000, Deduct	*-162.07*	
26 56 19 00-0248	EA	5,000 Lumens, 50 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	892.06	136.54
		For >50 To 100, Deduct	*-44.60*	
		For >100 To 250, Deduct	*-66.90*	
		For >250 To 500, Deduct	*-104.68*	
		For >500 To 1,000, Deduct	*-142.46*	
		For >1,000, Deduct	*-180.23*	
26 56 19 00-0249	EA	7,500 Lumens, 75 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	945.89	136.54
		For >50 To 100, Deduct	*-47.29*	
		For >100 To 250, Deduct	*-70.94*	
		For >250 To 500, Deduct	*-111.41*	
		For >500 To 1,000, Deduct	*-151.88*	
		For >1,000, Deduct	*-192.34*	

26 56 19 00-0250 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0187)*

26 56 19 00-0251 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0250)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0252	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,262.55	136.54
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-63.13*	
		For >100 To 250, Deduct	*-94.69*	
		For >250 To 500, Deduct	*-150.99*	
		For >500 To 1,000, Deduct	*-207.29*	
		For >1,000, Deduct	*-263.59*	
26 56 19 00-0253	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,508.60	144.12
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-75.43*	
		For >100 To 250, Deduct	*-113.15*	
		For >250 To 500, Deduct	*-181.37*	
		For >500 To 1,000, Deduct	*-249.59*	
		For >1,000, Deduct	*-317.82*	
26 56 19 00-0254	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,754.65	151.72
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-87.73*	
		For >100 To 250, Deduct	*-131.60*	
		For >250 To 500, Deduct	*-211.75*	
		For >500 To 1,000, Deduct	*-291.89*	
		For >1,000, Deduct	*-372.04*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0255		EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,000.69	159.30
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-100.03*	
			For >100 To 250, Deduct	*-150.05*	
			For >250 To 500, Deduct	*-242.12*	
			For >500 To 1,000, Deduct	*-334.19*	
			For >1,000, Deduct	*-426.26*	
26 56 19 00-0256		EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,246.74	166.88
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-112.34*	
			For >100 To 250, Deduct	*-168.51*	
			For >250 To 500, Deduct	*-272.50*	
			For >500 To 1,000, Deduct	*-376.49*	
			For >1,000, Deduct	*-480.48*	
26 56 19 00-0257		EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,585.45	174.46
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-129.27*	
			For >100 To 250, Deduct	*-193.91*	
			For >250 To 500, Deduct	*-314.46*	
			For >500 To 1,000, Deduct	*-435.01*	
			For >1,000, Deduct	*-555.56*	
26 56 19 00-0258		EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,831.51	182.05
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-141.58*	
			For >100 To 250, Deduct	*-212.36*	
			For >250 To 500, Deduct	*-344.84*	
			For >500 To 1,000, Deduct	*-477.31*	
			For >1,000, Deduct	*-609.78*	
26 56 19 00-0259		EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,323.60	197.22
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-166.18*	
			For >100 To 250, Deduct	*-249.27*	
			For >250 To 500, Deduct	*-405.59*	
			For >500 To 1,000, Deduct	*-561.91*	
			For >1,000, Deduct	*-718.23*	
26 56 19 00-0260		EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,800.52	204.81
			For Multi-Level Drive Currents, Add	*219.88*	
			For >50 To 100, Deduct	*-190.03*	
			For >100 To 250, Deduct	*-285.04*	
			For >250 To 500, Deduct	*-464.82*	
			For >500 To 1,000, Deduct	*-644.61*	
			For >1,000, Deduct	*-824.40*	

26 56 19 00-0261 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0250)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0262		EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	895.53	151.72
			For >50 To 100, Deduct	*-44.78*	
			For >100 To 250, Deduct	*-67.16*	
			For >250 To 500, Deduct	*-104.36*	
			For >500 To 1,000, Deduct	*-141.55*	
			For >1,000, Deduct	*-178.74*	

26 56 19 00-0263 Surface Mount, Square, LED Canopy Fixtures (General Electric Evolve™) *(26 56 19 00-0250)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0264		EA	35 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (General Electric ECBB 0 A5 5 40 2 A DKBZ)	1,063.36	136.54
			For >50 To 100, Deduct	*-53.17*	
			For >100 To 250, Deduct	*-79.75*	
			For >250 To 500, Deduct	*-126.09*	
			For >500 To 1,000, Deduct	*-172.43*	
			For >1,000, Deduct	*-218.78*	
26 56 19 00-0265		EA	64 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (General Electric ECBB 0 B5 5 40 2 A DKBZ)	1,155.43	144.12
			For >50 To 100, Deduct	*-57.77*	
			For >100 To 250, Deduct	*-86.66*	
			For >250 To 500, Deduct	*-137.22*	
			For >500 To 1,000, Deduct	*-187.79*	
			For >1,000, Deduct	*-238.35*	

26 56 19 00-0266 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0187)*

26 56 19 00-0267 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0266)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0268	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,077.22	136.54
		For >50 To 100, Deduct	*-53.86*	
		For >100 To 250, Deduct	*-80.79*	
		For >250 To 500, Deduct	*-127.83*	
		For >500 To 1,000, Deduct	*-174.86*	
		For >1,000, Deduct	*-221.89*	
26 56 19 00-0269	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,185.06	144.12
		For >50 To 100, Deduct	*-59.25*	
		For >100 To 250, Deduct	*-88.88*	
		For >250 To 500, Deduct	*-140.93*	
		For >500 To 1,000, Deduct	*-192.97*	
		For >1,000, Deduct	*-245.02*	

26 56 19 00-0270 Surface Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0271 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0270)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0272	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	756.41	136.54
		For >50 To 100, Deduct	*-37.82*	
		For >100 To 250, Deduct	*-56.73*	
		For >250 To 500, Deduct	*-87.72*	
		For >500 To 1,000, Deduct	*-118.72*	
		For >1,000, Deduct	*-149.71*	
26 56 19 00-0273	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,550.56	136.54
		For >50 To 100, Deduct	*-77.53*	
		For >100 To 250, Deduct	*-116.29*	
		For >250 To 500, Deduct	*-186.99*	
		For >500 To 1,000, Deduct	*-257.69*	
		For >1,000, Deduct	*-328.40*	
26 56 19 00-0274	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,291.92	151.72
		For >50 To 100, Deduct	*-64.60*	
		For >100 To 250, Deduct	*-96.89*	
		For >250 To 500, Deduct	*-153.90*	
		For >500 To 1,000, Deduct	*-210.92*	
		For >1,000, Deduct	*-267.93*	
26 56 19 00-0275	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,596.95	151.72
		For >50 To 100, Deduct	*-79.85*	
		For >100 To 250, Deduct	*-119.77*	
		For >250 To 500, Deduct	*-192.03*	
		For >500 To 1,000, Deduct	*-264.30*	
		For >1,000, Deduct	*-336.56*	

26 56 19 00-0276 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0270)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0277	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	244.32	48.77
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-12.22*	
		For >100 To 250, Deduct	*-18.32*	
		For >250 To 500, Deduct	*-28.51*	
		For >500 To 1,000, Deduct	*-38.69*	
		For >1,000, Deduct	*-48.88*	
26 56 19 00-0278	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	278.90	48.77
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-13.95*	
		For >100 To 250, Deduct	*-20.92*	
		For >250 To 500, Deduct	*-32.83*	
		For >500 To 1,000, Deduct	*-44.74*	
		For >1,000, Deduct	*-56.66*	
26 56 19 00-0279	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	344.77	48.77
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-17.24*	
		For >100 To 250, Deduct	*-25.86*	
		For >250 To 500, Deduct	*-41.06*	
		For >500 To 1,000, Deduct	*-56.27*	
		For >1,000, Deduct	*-71.48*	

26 56 19 00-0280 Surface Mount, LED Facade Fixtures *(26 56 19 00-0187)*

26 56 19 00-0281 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0280)*

26 56 19 00-0282	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	806.57	56.94
		For >50 To 100, Deduct	*-40.33*	
		For >100 To 250, Deduct	*-60.49*	
		For >250 To 500, Deduct	*-98.65*	
		For >500 To 1,000, Deduct	*-136.82*	
		For >1,000, Deduct	*-174.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0283	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,313.40	52.00
		For >50 To 100, Deduct	*-65.67*	
		For >100 To 250, Deduct	*-98.51*	
		For >250 To 500, Deduct	*-162.32*	
		For >500 To 1,000, Deduct	*-226.13*	
		For >1,000, Deduct	*-289.94*	
26 56 19 00-0284	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,676.92	43.33
		For >50 To 100, Deduct	*-83.85*	
		For >100 To 250, Deduct	*-125.77*	
		For >250 To 500, Deduct	*-208.07*	
		For >500 To 1,000, Deduct	*-290.37*	
		For >1,000, Deduct	*-372.66*	
26 56 19 00-0285	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	2,040.42	34.67
		For >50 To 100, Deduct	*-102.02*	
		For >100 To 250, Deduct	*-153.03*	
		For >250 To 500, Deduct	*-253.81*	
		For >500 To 1,000, Deduct	*-354.60*	
		For >1,000, Deduct	*-455.38*	

26 56 19 00-0286 Post Top, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0287 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0288	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,264.75	208.60
		For >50 To 100, Deduct	*-113.24*	
		For >100 To 250, Deduct	*-169.86*	
		For >250 To 500, Deduct	*-272.66*	
		For >500 To 1,000, Deduct	*-375.47*	
		For >1,000, Deduct	*-478.28*	
26 56 19 00-0289	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,500.48	208.60
		For >50 To 100, Deduct	*-125.02*	
		For >100 To 250, Deduct	*-187.54*	
		For >250 To 500, Deduct	*-302.13*	
		For >500 To 1,000, Deduct	*-416.72*	
		For >1,000, Deduct	*-531.32*	
26 56 19 00-0290	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,686.82	208.60
		For >50 To 100, Deduct	*-134.34*	
		For >100 To 250, Deduct	*-201.51*	
		For >250 To 500, Deduct	*-325.42*	
		For >500 To 1,000, Deduct	*-449.33*	
		For >1,000, Deduct	*-573.24*	

26 56 19 00-0291 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0292	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,668.99	208.60
		For >50 To 100, Deduct	*-133.45*	
		For >100 To 250, Deduct	*-200.17*	
		For >250 To 500, Deduct	*-323.19*	
		For >500 To 1,000, Deduct	*-446.21*	
		For >1,000, Deduct	*-569.23*	
26 56 19 00-0293	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,729.56	208.60
		For >50 To 100, Deduct	*-136.48*	
		For >100 To 250, Deduct	*-204.72*	
		For >250 To 500, Deduct	*-330.77*	
		For >500 To 1,000, Deduct	*-456.81*	
		For >1,000, Deduct	*-582.86*	

26 56 19 00-0294 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0295	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,848.97	208.60
		For >50 To 100, Deduct	*-92.45*	
		For >100 To 250, Deduct	*-138.67*	
		For >250 To 500, Deduct	*-220.69*	
		For >500 To 1,000, Deduct	*-302.71*	
		For >1,000, Deduct	*-384.73*	
26 56 19 00-0296	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,939.61	208.60
		For >50 To 100, Deduct	*-96.98*	
		For >100 To 250, Deduct	*-145.47*	
		For >250 To 500, Deduct	*-232.02*	
		For >500 To 1,000, Deduct	*-318.57*	
		For >1,000, Deduct	*-405.12*	

26 56 19 00-0297 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0298	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,436.95	208.60
		For >50 To 100, Deduct	*-71.85*	
		For >100 To 250, Deduct	*-107.77*	
		For >250 To 500, Deduct	*-169.19*	
		For >500 To 1,000, Deduct	*-230.61*	
		For >1,000, Deduct	*-292.02*	
26 56 19 00-0299	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,527.59	208.60
		For >50 To 100, Deduct	*-76.38*	
		For >100 To 250, Deduct	*-114.57*	
		For >250 To 500, Deduct	*-180.52*	
		For >500 To 1,000, Deduct	*-246.47*	
		For >1,000, Deduct	*-312.42*	

26 56 19 00-0300 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0301	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,810.78	208.60
		For >50 To 100, Deduct	*-140.54*	
		For >100 To 250, Deduct	*-210.81*	
		For >250 To 500, Deduct	*-340.92*	
		For >500 To 1,000, Deduct	*-471.03*	
		For >1,000, Deduct	*-601.14*	

26 56 19 00-0302 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0286)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0303	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	801.35	113.78
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-40.07*	
		For >100 To 250, Deduct	*-60.10*	
		For >250 To 500, Deduct	*-94.48*	
		For >500 To 1,000, Deduct	*-128.86*	
		For >1,000, Deduct	*-163.24*	

26 56 19 00-0304 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0286)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0305	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	493.87	24.27
		For Backlight Control Shield, Add	*37.91*	
		For >50 To 100, Deduct	*-24.69*	
		For >100 To 250, Deduct	*-37.04*	
		For >250 To 500, Deduct	*-59.31*	
		For >500 To 1,000, Deduct	*-81.57*	
		For >1,000, Deduct	*-103.84*	

26 56 19 00-0306 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0187)*

26 56 19 00-0307	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	557.48	45.31
		For >50 To 100, Deduct	*-27.87*	
		For >100 To 250, Deduct	*-41.81*	
		For >250 To 500, Deduct	*-67.98*	
		For >500 To 1,000, Deduct	*-94.15*	
		For >1,000, Deduct	*-120.33*	

26 56 21 HID Exterior Lighting *(26 56)*

26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,055.22	187.55
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,195.60	187.55
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,178.82	214.26
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,263.05	214.26
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,292.34	267.82
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,376.57	267.82

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,122.63	187.55
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,206.86	187.55
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,567.70	198.26
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,631.23	214.26
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,786.88	267.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0015		HID, Pole Mounted *(26 56 21)*		
26 56 21 00-0016		Metal Halide, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	807.48	305.81
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	910.72	331.96
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,064.53	357.09
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,344.55	418.52
26 56 21 00-0021		High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	891.40	357.09
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	917.59	357.09
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	959.84	357.09
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,070.72	357.09
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,236.13	357.09
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,286.09	357.09
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	816.01	194.26
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	871.88	285.68
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	1,029.64	285.68
26 56 21 00-0032		Metal Halide, Area Fixtures *(26 56 21)*		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)* Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,232.38	189.21
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,352.40	208.13
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,495.65	227.04
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,581.75	264.88
26 56 21 00-0038		High Pressure Sodium, Area Fixtures *(26 56 21)*		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,023.84	151.36
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,114.22	189.21
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,208.55	227.04
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,274.08	264.88
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21)*		
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	757.09	285.68
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	864.49	321.39
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,038.83	357.09
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,320.66	418.52
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	730.89	244.25
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	794.83	259.96
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	857.43	274.25
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	885.94	285.68
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	984.69	321.39
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,062.63	357.09
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,456.50	418.52
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	867.92	192.84
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	900.43	214.26
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	962.56	244.25
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	989.22	259.96
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,016.81	274.25
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,065.36	285.68
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,167.47	321.39
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,417.21	357.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0068		**Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	955.56	214.26
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,009.28	244.25
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,043.84	259.96
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,088.17	274.25
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,112.12	285.68
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,216.61	321.39
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,547.91	357.09
26 56 21 00-0076		**Wall Packs** *(26 56 21)*		
26 56 21 00-0077		**Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	397.13	67.74
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	425.63	67.74
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	425.63	67.74
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	563.76	67.74
26 56 21 00-0082		**Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	786.72	67.74
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	796.96	67.74
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	805.83	67.74
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	789.66	67.74
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	723.19	67.74
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	686.68	67.74
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	828.77	67.74
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	838.11	67.74
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	821.97	67.74
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	834.97	67.74
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	834.97	67.74
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	789.11	90.23
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	789.11	90.23
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	739.08	90.23
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	758.25	90.23
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	758.25	90.23
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	702.78	90.23
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	818.75	90.23
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	818.75	90.23
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	818.75	90.23
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	789.32	90.23
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	789.32	90.23
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	789.32	90.23
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,058.20	90.23
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	994.50	111.77
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,062.32	111.77
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,143.18	111.77
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,165.44	111.77
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,081.73	111.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,157.94	111.77
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	998.29	135.48
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	917.58	135.48
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	979.61	135.48
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	985.79	135.48
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	992.26	135.48
26 56 21 00-0125		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	998.31	135.48
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,025.24	135.48
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,105.95	135.48
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,052.15	135.48
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,079.09	135.48
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,132.84	135.48
26 56 21 00-0132		**Semi-Cutoff, Induction Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0133		**Semi-Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,289.01	128.96
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,315.67	136.54
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,342.33	144.12
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,495.36	151.72
26 56 21 00-0138		**Non-Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	409.69	67.74
26 56 21 00-0140		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0141		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	755.96	227.57
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	830.10	235.15
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	860.45	250.32
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	890.79	265.49
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,041.61	273.08
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,061.51	280.66
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	706.41	227.57
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	787.63	235.15
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	817.98	250.32
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	848.32	265.49
26 56 21 00-0152		**Induction, Area Fixtures** *(26 56 21)*		
26 56 21 00-0153		**Post Top, Induction Area Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0154		**Post Top, Induction Area Fixtures (US Lighting Tech)** *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	843.06	208.60
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	911.48	208.60
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	911.48	208.60
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	911.48	208.60
26 56 21 00-0159		**Surface Mount, Induction Parking Structure Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0160		**Surface Mount, Induction Parking Structure Fixtures (Everlast®)** *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	762.82	189.64
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	810.52	193.43
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	822.83	197.22
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	835.13	201.01
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	847.44	204.81
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	864.46	208.60
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	891.25	197.22
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	903.55	201.01
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	915.86	204.81
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	952.93	208.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,346.45	128.96
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,384.60	136.54
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,422.75	144.12

END OF SECTION 26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	199.99	36.66
27 05 26 00-0002	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	215.28	36.66
27 05 26 00-0003	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	406.21	36.66
27 05 26 00-0004	EA	#6 AWG, Cable Runway Ground Strap	80.85	6.78
27 05 26 00-0005	EA	1/4" Screw Size, #6 AWG Compression Lug	28.53	6.78
27 05 26 00-0006	EA	3/8" Screw Size, #6 AWG Compression Lug	30.37	6.78
27 05 26 00-0007	EA	Two Mounting Hole, Ground Terminal Block	33.78	6.78
27 05 26 00-0008	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,121.82	138.76
27 05 26 00-0009	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,435.70	185.06
27 05 26 00-0010	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,272.17	277.52
27 05 26 00-0011	EA	Lucent 3B1-EW, Gas Tube Protector Unit	13.56	2.04

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	10.50	3.40
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.41*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Painted Powder Coated Finish, Add	*0.76*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	11.08	3.40
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.46*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Painted Powder Coated Finish, Add	*2.65*	
		For Low Friction Xylan® Coated Finish, Add	*9.44*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	11.97	3.40
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.55*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Painted Powder Coated Finish, Add	*3.25*	
		For Low Friction Xylan® Coated Finish, Add	*11.73*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	19.69	3.40
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Painted Powder Coated Finish, Add	*1.74*	
		For Low Friction Xylan® Coated Finish, Add	*10.40*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	11.86	3.40
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	15.33	3.40
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	17.02	3.40
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-3.06*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	23.08	3.40
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.66*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.80*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	12.50	3.40
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.61*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	14.82	3.40
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	16.02	3.40
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.96*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	21.74	3.40
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-3.53*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	15.04	3.40
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.86*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	18.96	3.40
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.25*	
		For Work In Restricted Working Space, Add	*2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	19.98	3.40
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.35*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	12.19	3.40
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.58*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	12.72	3.40
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	15.44	3.40
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.90*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	15.13	3.40
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.87*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	16.40	3.40
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	22.72	3.40
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.63*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	14.95	3.40
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.85*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	17.22	3.40
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*2.03*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	18.42	3.40
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	25.01	3.40
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.86*	
		For Work In Restricted Working Space, Add	*2.03*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.55	4.47
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*3.49*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.40	4.47
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.95*	
		For >500, Deduct	*-7.05*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	47.81	4.47
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.28*	
		For >500, Deduct	*-7.49*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.41	4.47
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.87*	
		For >500, Deduct	*-6.95*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	44.45	4.47
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.03*	
		For >500, Deduct	*-7.16*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.48	4.47
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.36*	
		For Work In Restricted Working Space, Add	*4.07*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.77	4.47
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-7.09*	
		For Work In Restricted Working Space, Add	*4.07*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, labeling and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	106.59	35.22
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*64.70*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	213.18	70.45
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*129.37*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	418.42	101.61
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	530.97	111.77
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	610.96	128.70
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	634.26	132.09
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	779.42	135.48
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	967.16	152.41
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	991.11	149.02
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,270.52	212.29
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,358.25	233.29
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,645.98	246.43
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,359.54	203.21
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,470.26	220.15
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,831.86	282.20
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,197.67	352.79
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,499.48	348.85
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,867.53	424.45

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	624.06	216.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	836.61	230.31
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	901.68	243.86
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	773.34	189.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	839.16	193.05
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	839.57	196.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	860.45	199.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	881.11	203.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	903.36	206.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	783.86	209.99
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	946.68	213.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	978.45	216.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	1,006.38	220.15
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	1,014.22	223.54
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	813.77	189.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	840.66	193.05
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	864.47	196.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	907.80	199.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	929.86	203.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	953.72	206.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	834.80	209.99
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	1,000.13	213.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,034.43	216.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,064.57	220.15
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,072.50	223.54
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	998.39	203.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,049.72	209.99
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	812.75	189.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	873.64	193.05
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	887.20	196.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	906.56	199.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	928.57	203.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	952.37	206.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	975.30	209.99
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	998.70	213.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,032.96	216.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,063.02	220.15
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,070.89	223.54
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	857.26	189.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	934.01	193.05
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	946.29	196.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	958.60	199.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	982.19	203.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	1,007.78	206.60
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,032.34	209.99
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,057.45	213.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,094.50	216.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,127.00	220.15
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,135.13	223.54
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,624.26	338.69
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,766.26	352.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,900.53	365.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	

27 11 16 00-0087 4-Post Server Frame *(27 11 16 00-0082)*

27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,665.90	338.69
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	

27 11 16 00-0089 Cable Managers *(27 11 16 00-0021)*

27 11 16 00-0090 Horizontal Cable Managers *(27 11 16 00-0089)*

27 11 16 00-0091 Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*

27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	91.54	13.55
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	101.31	13.55
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	77.33	13.55
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	93.01	13.55
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	108.14	13.55
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	85.05	13.55
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	123.50	13.55
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	139.82	13.55
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	100.51	13.55

27 11 16 00-0101 Double-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*

27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	112.37	13.55
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	125.26	13.55
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	117.95	13.55
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	136.40	13.55
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	151.03	13.55
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	168.47	13.55

27 11 16 00-0108 Vertical Cable Managers *(27 11 16 00-0089)*

27 11 16 00-0109 Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	200.98	20.32
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	280.18	20.32
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	446.31	20.32
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	504.27	20.32
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	214.50	20.32
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	301.43	20.32
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	484.95	20.32
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	542.90	20.32
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	241.54	20.32
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	330.41	20.32
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	542.90	20.32
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	600.86	20.32

27 11 16 00-0122 Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	287.91	20.32
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	338.13	20.32
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	542.90	20.32
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	639.49	20.32
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	311.09	20.32
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	361.32	20.32
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	581.54	20.32
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	678.13	20.32
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	342.00	20.32
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	392.22	20.32
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	639.49	20.32
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	736.08	20.32

27 11 16 00-0135 Accessories For Vertical Cable Managers *(27 11 16 00-0108)*

27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	123.69	13.55
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	131.42	13.55
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	139.14	13.55
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	127.55	13.55
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	139.14	13.55
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	150.73	13.55
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	143.01	13.55
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	154.60	13.55
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	166.19	13.55
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	150.73	13.55
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	166.19	13.55
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	177.78	13.55
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	104.37	13.55
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	119.83	13.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	125.04	13.55
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	81.19	13.55

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	262.68	67.74
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	371.21	67.74
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	473.91	67.74
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	569.60	67.74
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	888.21	84.67
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,038.78	101.61
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	346.94	67.74
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	378.22	67.74
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	620.95	67.74
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,136.81	101.61
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	827.14	101.61
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	870.12	101.61
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	297.48	67.74
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	48.00	
		For >5 To 10 Cables, Deduct	*-8.64*	
		For >10 Cables, Deduct	*-19.20*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	13.20	
		For >20 To 40 Pairs, Deduct	*-2.11*	
		For >40 Pairs, Deduct	*-5.02*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

27 11 19 00-0019 Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*

27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	144.33	30.48
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	209.22	30.48
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	305.22	30.48
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	452.78	50.80
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	623.70	50.80

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	478.62	50.80
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	535.47	50.80
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	575.33	50.80
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	671.64	50.80

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	581.99	50.80
		For Splice Tray Bracket, Add	*84.85*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	678.92	50.80
		For Splice Tray Bracket, Add	*92.78*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	842.29	50.80
		For Splice Tray Bracket, Add	*338.02*	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	991.68	50.80
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,272.97	50.80
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,443.48	50.80
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,878.36	50.80

27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	650.52	30.48
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	902.69	50.80
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	946.46	50.80

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	680.76	30.48
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	902.16	50.80
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,056.99	50.80
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	90.38	6.77
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	97.90	6.77
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	109.55	6.77
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	119.57	6.77
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	147.93	6.77
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	162.90	6.77
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	87.06	6.77
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	88.83	6.77
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	105.15	6.77
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	107.50	6.77
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	141.32	6.77
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	144.81	6.77
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	126.47	6.77
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	138.91	6.77
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	155.04	6.77
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	171.65	6.77
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	154.84	6.77
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	172.52	6.77
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	269.45	6.77
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	302.60	6.77
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	383.81	6.77
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	285.04	6.77
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	75.51	6.77
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	81.19	6.77
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	89.73	6.77
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	97.32	6.77
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	118.16	6.77
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	129.55	6.77
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	93.31	6.77
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	138.50	6.77
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,100.95	6.77
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,104.78	6.77
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	418.77	67.74
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	625.44	50.80
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	654.23	50.80
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	120.56	16.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	228.26	50.80
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	68.02	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	89.59	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	98.51	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	110.07	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	566.03	67.74
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	39.65	13.58
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	74.98	13.58
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	60.52	13.58
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	30.67	13.58
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	21.76	9.51
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	41.18	13.58
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	30.67	13.58
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	21.54	9.51
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	21.38	9.51
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	22.08	9.51
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	20.94	6.78
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	26.92	6.78
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	37.42	6.78
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	26.76	8.14
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	36.69	8.14
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	53.06	8.14
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	40.09	6.78
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box	113.62	51.48
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	99.27	30.48
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	99.27	30.48
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	58.19	20.32
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	149.12	33.87
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	149.12	33.87
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	179.44	33.87
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	179.44	33.87
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	163.48	33.87
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,411.01	169.34
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V	69.90	13.55
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block	4.19	1.35
27 11 19 00-0136	EA	4-Pair, Connecting Block	4.53	1.35
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	17.06	3.39
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.63	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.63	
27 11 19 00-0140		**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	216.76	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	433.53	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	867.06	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,300.59	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,521.41	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,281.45	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,869.41	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,587.44	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	5,381.14	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,525.90	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	7,437.78	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	37.35	6.77
27 11 23 00-0003	LF	Velcro CMP	3.34	1.36
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	134.20	32.52
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	231.36	54.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	42.49	10.16
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	18.13	6.77
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	19.27	6.77
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	44.27	12.20
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	94.38	20.32
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	8.57	2.98
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	48.41	16.93

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001 Modular Plugs For Copper Communications Cable *(27 13 13 13)*

27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	33.61	
		For >5 To 10, Deduct	*-4.05*	
		For >10, Deduct	*-8.11*	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	38.38	
		For >5 To 10, Deduct	*-4.56*	
		For >10, Deduct	*-9.12*	

27 13 13 13-0004 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	66.77	16.93
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	114.62	16.93
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	14.48	6.77
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	8.22	3.39
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	8.39	3.39
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	370.34	20.32
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	598.07	20.32

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	6.77	
		For >25-Pair, Deduct	*-2.70*	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	10.16	
		For >25-Pair, Deduct	*-4.05*	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	16.26	
		For >25-Pair, Deduct	*-6.48*	
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	27.10	
		For >25-Pair, Deduct	*-10.81*	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	40.64	
		For >25-Pair, Deduct	*-16.21*	
27 13 13 13-0018	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	65.03	
		For >25-Pair, Deduct	*-25.94*	

27 13 13 13-0019 Building Entrance Terminals *(27 13 13 13)*

27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,009.66	297.12
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,995.86	495.20
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,636.68	792.94

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Connectors *(27 13 23 13)*

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	40.52
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	47.19
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	45.46
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	53.97
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	62.47
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	64.46
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	95.19

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	293.70
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	298.04
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	334.74
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	362.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0015		**Spider Fan Out Kits For Fiber Optic Cable** *(27 13 23 13-0009)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	347.23	
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	376.39	
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	550.01	
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	714.65	
27 13 23 13-0020		**Fiber Optic Cable Splice Closures** *(27 13 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,051.12	135.48
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,322.08	270.95
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,322.08	270.95
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,757.04	135.48
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	2,028.00	270.95
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	2,028.00	270.95
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	73.20	16.93
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028		**Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	40.64	
27 13 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	135.48	
27 13 23 13-0031		**Fiber Optic Cable Testing** *(27 13 23 13)*		
		Note: Price based on testing one wavelength.		
27 13 23 13-0032		**Fiber Optic Cable Testing Using An OTDR** *(27 13 23 13-0031)*		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	27.10	
		For >12 To 48 Strands, Deduct	*-2.03*	
		For >48 Strands, Deduct	*-2.71*	
27 13 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	40.64	
		For >12 To 48 Strands, Deduct	*-3.05*	
		For >48 Strands, Deduct	*-4.06*	
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	67.74	
		For >12 To 48 Strands, Deduct	*-5.08*	
		For >48 Strands, Deduct	*-6.77*	
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	101.61	
		For >12 To 48 Strands, Deduct	*-7.62*	
		For >48 Strands, Deduct	*-10.16*	
27 13 23 13-0037		**Fiber Optic Cable Testing Using A Power Meter** *(27 13 23 13-0031)*		
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	27.10	
		For >12 To 48 Strands, Deduct	*-2.03*	
		For >48 Strands, Deduct	*-2.71*	
27 13 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	40.64	
		For >12 To 48 Strands, Deduct	*-3.05*	
		For >48 Strands, Deduct	*-4.06*	
27 13 23 13-0040		**Fiber Optic Cable Light Source/Continuity Testing** *(27 13 23 13-0031)*		
27 13 23 13-0041	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	27.10	
		For >12 To 48 Strands, Deduct	*-2.03*	
		For >48 Strands, Deduct	*-2.71*	
27 13 23 13-0042		**Other Fiber Optic Cable Equipment** *(27 13 23 13)*		
27 13 23 13-0043	EA	8 Port Ethernet Switch	1,112.79	266.54
27 13 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	1,559.39	266.54
		Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	37,844.53	266.54
		Note: 8 Volt DC input		
27 13 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	379.45	33.37
27 13 23 13-0047	EA	Hardened Ethernet Switch	3,998.49	133.44
27 13 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	103,529.25	3,202.29
27 13 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	128,596.06	4,269.72
27 13 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	1,691.89	266.85
27 13 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,934.63	133.44
27 13 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	1,621.91	133.44
27 13 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	2,068.07	200.14
27 13 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems)	1,580.37	
27 13 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.	1,580.37	
27 13 23 13-0056		**Other Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0057	EA	Fiber Optic Finger Splice	54.88	25.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0058	EA	Fiber Optic Splice Box - Manholes	11,553.88	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable *(27 15 01 19)*

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,129.59	921.79
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,578.52	955.11
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,427.66	1,047.79
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,140.03	1,085.18
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,782.71	1,172.97
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,795.08	1,215.23
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,531.27	1,341.23
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	5,100.51	1,389.05

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,665.90	1,843.85
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,170.38	1,910.24
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,173.96	2,095.84
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,948.65	2,170.35
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,737.66	2,346.47
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,820.48	2,430.47
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,766.65	2,682.46
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	7,415.82	2,778.64

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,386.28	754.34
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,491.97	781.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,687.34	921.79
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,790.43	938.45
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,854.18	955.11
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,055.95	988.44
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,342.46	1,021.77
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,962.86	1,047.79
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,188.16	1,085.18
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,265.28	1,172.97
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,613.88	1,215.23
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,745.89	1,341.23
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,303.89	1,389.05
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,376.12	754.34
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,680.74	921.79
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,854.20	938.45
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,871.84	955.11
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,148.11	988.44
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,952.89	1,047.79
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,210.53	1,085.18
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,220.41	1,172.97
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,792.24	1,215.23
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,731.22	1,341.23
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,574.66	1,389.05
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,633.36	1,509.22
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,217.05	1,843.85
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,417.61	1,876.37
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,463.70	1,910.24
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,795.51	1,976.62
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,699.19	2,095.84
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,019.15	2,170.35
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,175.36	2,346.47
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,817.64	2,430.47
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,966.60	2,682.46
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,889.97	2,778.64
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,417.93	754.34
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,710.59	921.79
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,965.03	938.45
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,902.39	955.11
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,179.35	988.44
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,021.50	1,047.79
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,242.27	1,085.18
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,368.40	1,172.97
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,718.03	1,215.23
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,840.73	1,341.23
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,349.35	1,389.05
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,675.17	1,509.22
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,246.90	1,843.85
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,528.44	1,876.37
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,494.25	1,910.24
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,826.75	1,976.62
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,767.80	2,095.84
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,050.89	2,170.35
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,323.35	2,346.47
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,743.43	2,430.47
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,076.11	2,682.46
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,664.66	2,778.64
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,382.16	754.34
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,733.90	921.79
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,859.56	938.45
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,965.61	955.11
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,197.33	988.44
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,996.88	1,047.79
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,311.88	1,085.18
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,326.76	1,172.97
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,887.47	1,215.23
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,783.37	1,341.23
27 15 01 19-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,639.40	1,509.22
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,270.21	1,843.85
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,422.97	1,876.37
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,557.47	1,910.24
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,844.73	1,976.62
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,743.18	2,095.84
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,120.50	2,170.35
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,281.71	2,346.47
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,912.87	2,430.47
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,018.75	2,682.46

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0002 Indoor Telecommunications Cable *(27 15 13 00-0001)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0003 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0002)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0003)*

27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0005)*

27 15 13 00-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,061.97	569.01
27 15 13 00-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,110.47	569.01
27 15 13 00-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,127.61	569.01
27 15 13 00-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,359.59	650.29
27 15 13 00-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,716.58	650.29
27 15 13 00-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,283.41	650.29
27 15 13 00-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,626.07	812.86
27 15 13 00-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,546.79	1,300.59
27 15 13 00-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,845.18	1,463.16
27 15 13 00-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,731.50	1,625.73
27 15 13 00-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,152.28	2,276.02
27 15 13 00-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,470.40	2,812.51
27 15 13 00-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	35,570.63	3,901.75
27 15 13 00-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	57,871.17	7,803.52
27 15 13 00-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	78,749.89	11,705.27

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0005)*

27 15 13 00-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,010.32	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,058.82	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,075.96	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,172.45	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,529.44	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,367.22	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,980.85	1,625.73
		For Work In Restricted Working Space, Add	*812.87*	
27 15 13 00-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,630.62	1,950.88
		For Work In Restricted Working Space, Add	*975.44*	
27 15 13 00-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,064.49	2,194.74
		For Work In Restricted Working Space, Add	*1,097.37*	
27 15 13 00-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	13,086.27	2,438.59
		For Work In Restricted Working Space, Add	*1,219.30*	
27 15 13 00-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,048.97	3,414.04
		For Work In Restricted Working Space, Add	*1,707.02*	
27 15 13 00-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,827.72	4,226.90
		For Work In Restricted Working Space, Add	*2,113.45*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0035		MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	38,822.10	5,852.63
			For Work In Restricted Working Space, Add	*2,926.32*	
27 15 13 00-0036		MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	64,374.10	11,705.27
			For Work In Restricted Working Space, Add	*5,852.64*	
27 15 13 00-0037		MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	88,504.29	17,557.91
			For Work In Restricted Working Space, Add	*8,778.96*	

27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0038)*

27 15 13 00-0040		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,695.25	650.29
27 15 13 00-0041		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,500.07	812.86
27 15 13 00-0042		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,040.11	1,300.59
27 15 13 00-0043		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,816.18	1,625.73
27 15 13 00-0044		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	26,201.11	2,276.02
27 15 13 00-0045		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,125.09	2,812.51
27 15 13 00-0046		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	50,589.43	3,901.75

27 15 13 00-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0038)*

27 15 13 00-0048		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,779.06	1,300.59
			For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0049		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,854.85	1,625.73
			For Work In Restricted Working Space, Add	*812.87*	
27 15 13 00-0050		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	11,123.94	1,950.88
			For Work In Restricted Working Space, Add	*975.44*	
27 15 13 00-0051		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,170.95	2,438.59
			For Work In Restricted Working Space, Add	*1,219.30*	
27 15 13 00-0052		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	28,097.80	3,414.04
			For Work In Restricted Working Space, Add	*1,707.02*	
27 15 13 00-0053		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,482.41	4,226.90
			For Work In Restricted Working Space, Add	*2,113.45*	
27 15 13 00-0054		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	53,840.90	5,852.63
			For Work In Restricted Working Space, Add	*2,926.32*	

27 15 13 00-0055 Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0003)*

27 15 13 00-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0055)*

27 15 13 00-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0056)*

27 15 13 00-0058		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,101.19	569.01
27 15 13 00-0059		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,149.49	569.01
27 15 13 00-0060		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,185.62	569.01
27 15 13 00-0061		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,424.73	650.29
27 15 13 00-0062		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,813.87	650.29
27 15 13 00-0063		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,868.70	650.29
27 15 13 00-0064		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,817.67	812.86
27 15 13 00-0065		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	9,043.50	1,300.59
27 15 13 00-0066		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,644.00	1,625.73
27 15 13 00-0067		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	23,440.24	2,276.02

27 15 13 00-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0056)*

27 15 13 00-0069		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,049.54	1,138.02
			For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0070		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,097.84	1,138.02
			For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0071		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,133.97	1,138.02
			For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0072		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,237.59	1,138.02
			For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0073		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,626.73	1,138.02
			For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0074		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,952.51	1,300.59
			For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0075		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,172.45	1,625.73
			For Work In Restricted Working Space, Add	*812.87*	
27 15 13 00-0076		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	10,127.33	1,950.88
			For Work In Restricted Working Space, Add	*975.44*	
27 15 13 00-0077		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,998.77	2,438.59
			For Work In Restricted Working Space, Add	*1,219.30*	
27 15 13 00-0078		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	25,336.93	3,414.04
			For Work In Restricted Working Space, Add	*1,707.02*	

27 15 13 00-0079 Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0080		Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0079)*		
27 15 13 00-0081		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0080)*		
27 15 13 00-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,135.33	569.01
27 15 13 00-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,179.13	569.01
27 15 13 00-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,315.46	650.29
27 15 13 00-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,359.24	650.29
27 15 13 00-0086		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0080)*		
27 15 13 00-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,083.68	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,127.48	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,399.27	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,443.05	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0091		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0079)*		
27 15 13 00-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0091)*		
27 15 13 00-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,296.39	569.01
27 15 13 00-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,774.11	650.29
27 15 13 00-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0091)*		
27 15 13 00-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,244.74	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,857.92	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0098		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0099		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0098)*		
27 15 13 00-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0099)*		
27 15 13 00-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,282.53	569.01
27 15 13 00-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,319.90	569.01
27 15 13 00-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0099)*		
27 15 13 00-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,230.88	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,268.25	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0098)*		
27 15 13 00-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0106)*		
27 15 13 00-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,572.56	569.01
27 15 13 00-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0106)*		
27 15 13 00-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,520.91	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0111		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0111)*		
27 15 13 00-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0112)*		
27 15 13 00-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,342.24	569.01
27 15 13 00-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0112)*		
27 15 13 00-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	2,290.59	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0117		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0111)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0118		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0117)*		
27 15 13 00-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,734.80	569.01
27 15 13 00-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0117)*		
27 15 13 00-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,683.15	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 13 00-0122		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0122)*		
27 15 13 00-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,602.32	650.29
27 15 13 00-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,486.91	650.29
27 15 13 00-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0122)*		
27 15 13 00-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,686.13	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	5,570.72	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 13 00-0129		Outdoor Telecommunications Cable *(27 15 13 00-0001)*		
		Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0131)*		
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,095.81	650.29
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,523.85	1,138.02
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,581.39	731.58
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,473.48	812.86
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,761.35	1,138.02
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,782.32	1,300.59
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,887.95	1,463.16
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,830.32	2,113.45
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,905.70	2,763.75
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,690.87	3,739.18
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	70,391.91	7,478.36
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	96,114.67	11,054.97
27 15 13 00-0145		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0131)*		
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,892.58	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,320.62	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,310.43	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,202.53	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,354.91	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,104.93	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,617.00	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,017.46	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,212.23	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,710.36	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	62,263.25	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	84,192.63	
27 15 13 00-0158		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0159		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0158)*		
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,367.93	650.29
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,032.24	650.29
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,622.04	731.58
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,325.71	812.86
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,655.87	1,138.02
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,717.36	1,300.59
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,479.19	1,463.16
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,656.95	2,113.45
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	47,500.93	2,763.75
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	70,178.73	3,739.18
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	102,580.97	7,478.36
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	144,272.47	11,054.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0172		**22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0158)*		
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,164.70	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,829.01	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,351.08	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,054.76	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,249.43	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,310.93	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,208.24	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,844.09	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,807.46	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	67,198.22	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	94,452.31	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	132,350.43	
27 15 13 00-0185		**19 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0130)*		
27 15 13 00-0186		**19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0185)*		
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,830.14	731.58
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,596.51	812.86
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,810.47	1,138.02
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,138.00	1,300.59
27 15 13 00-0191		**19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0185)*		
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,559.18	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,325.56	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,404.03	
27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,731.57	
27 15 13 00-0196		**PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0129)* Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197		**24 AWG, PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0196)*		
27 15 13 00-0198		**24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0197)*		
27 15 13 00-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,946.93	1,138.02
27 15 13 00-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,470.59	1,138.02
27 15 13 00-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,527.05	1,138.02
27 15 13 00-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,429.53	1,138.02
27 15 13 00-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,288.04	1,138.02
27 15 13 00-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,664.17	1,463.16
27 15 13 00-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,253.16	2,113.45
27 15 13 00-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,857.91	2,763.75
27 15 13 00-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	49,001.33	3,739.18
27 15 13 00-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	75,966.39	7,478.36
27 15 13 00-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	110,572.63	11,054.97
27 15 13 00-0210		**24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0197)*		
27 15 13 00-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,540.49	
27 15 13 00-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,064.15	
27 15 13 00-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,120.61	
27 15 13 00-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,023.09	
27 15 13 00-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,881.60	
27 15 13 00-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,393.22	
27 15 13 00-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,440.30	
27 15 13 00-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,164.44	
27 15 13 00-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	46,020.82	
27 15 13 00-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,837.73	
27 15 13 00-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	98,650.59	
27 15 13 00-0222		**22 AWG, PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0196)*		
27 15 13 00-0223		**22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0222)*		
27 15 13 00-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,249.68	1,138.02
27 15 13 00-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,019.17	1,138.02
27 15 13 00-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,656.70	1,138.02
27 15 13 00-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,669.16	1,138.02
27 15 13 00-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,955.77	1,138.02
27 15 13 00-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,647.11	1,463.16
27 15 13 00-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,513.09	2,113.45
27 15 13 00-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,895.54	2,763.75
27 15 13 00-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,500.14	3,739.18
27 15 13 00-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	114,016.41	7,478.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0222)*		
27 15 13 00-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,843.24	
27 15 13 00-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,612.73	
27 15 13 00-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,250.26	
27 15 13 00-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,262.72	
27 15 13 00-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,549.33	
27 15 13 00-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,376.16	
27 15 13 00-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,700.23	
27 15 13 00-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,202.07	
27 15 13 00-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,519.63	
27 15 13 00-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,887.75	
27 15 13 00-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0245)*		
27 15 13 00-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,284.19	1,138.02
27 15 13 00-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,393.86	1,138.02
27 15 13 00-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,063.16	1,138.02
27 15 13 00-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0245)*		
27 15 13 00-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,877.75	
27 15 13 00-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,987.42	
27 15 13 00-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,656.72	
27 15 13 00-0254		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes support wire.		
27 15 13 00-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,576.68	2,285.43
27 15 13 00-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,012.39	2,285.43
27 15 13 00-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,094.17	2,285.43
27 15 13 00-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,097.07	2,285.43
27 15 13 00-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,965.64	2,285.43
27 15 13 00-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	24,184.94	2,513.97
27 15 13 00-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,452.09	2,742.52
27 15 13 00-0263		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,097.96	2,285.43
27 15 13 00-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,741.70	2,285.43
27 15 13 00-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,292.20	2,285.43
27 15 13 00-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,355.35	2,285.43
27 15 13 00-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,173.44	2,285.43
27 15 13 00-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,486.57	2,513.97
27 15 13 00-0270		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,787.14	2,285.43
27 15 13 00-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,242.92	2,285.43
27 15 13 00-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,105.22	2,285.43
27 15 13 00-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,829.87	2,285.43
27 15 13 00-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,409.39	2,285.43
27 15 13 00-0276		Solid Conductor Low Voltage Cable *(27 15 13)*		
27 15 13 00-0277		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*		
27 15 13 00-0278		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*		
27 15 13 00-0279	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,339.69	1,225.62
		For #10 AWG, Add	*506.52*	
		For Work In Restricted Working Space, Add	*612.86*	
27 15 13 00-0280	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,663.25	1,268.95
		For #10 AWG, Add	*603.85*	
		For Work In Restricted Working Space, Add	*634.66*	
27 15 13 00-0281	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,951.66	1,313.52
		For #10 AWG, Add	*689.53*	
		For Work In Restricted Working Space, Add	*656.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0282	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,256.17	1,358.09
		For #10 AWG, Add	*780.19*	
		For Work In Restricted Working Space, Add	*679.25*	
27 15 13 00-0283	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,624.23	1,449.70
		For #10 AWG, Add	*881.80*	
		For Work In Restricted Working Space, Add	*725.06*	
27 15 13 00-0284	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,965.78	1,540.08
		For #10 AWG, Add	*974.94*	
		For Work In Restricted Working Space, Add	*770.24*	
27 15 13 00-0285	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,344.13	1,723.30
		For #10 AWG, Add	*1,060.25*	
		For Work In Restricted Working Space, Add	*861.49*	
27 15 13 00-0286	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,748.84	2,271.73
		For #10 AWG, Add	*1,405.00*	
		For Work In Restricted Working Space, Add	*1,135.65*	
27 15 13 00-0287	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,535.23	3,354.98
		For #10 AWG, Add	*2,089.90*	
		For Work In Restricted Working Space, Add	*1,677.06*	

27 15 13 00-0288 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0289	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,070.03	1,072.11
		For Work In Restricted Working Space, Add	*535.93*	
27 15 13 00-0290	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,374.13	1,110.48
		For Work In Restricted Working Space, Add	*555.24*	
27 15 13 00-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,644.29	1,148.86
		For Work In Restricted Working Space, Add	*574.56*	
27 15 13 00-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,928.62	1,188.48
		For Work In Restricted Working Space, Add	*594.24*	
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,268.10	1,268.95
		For Work In Restricted Working Space, Add	*634.35*	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,581.78	1,348.18
		For Work In Restricted Working Space, Add	*673.72*	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,920.08	1,507.89
		For Work In Restricted Working Space, Add	*753.94*	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,187.56	1,986.99
		For Work In Restricted Working Space, Add	*993.49*	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,706.46	2,935.30
		For Work In Restricted Working Space, Add	*1,467.77*	

27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,845.51	956.97
		For Work In Restricted Working Space, Add	*478.73*	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,053.46	991.64
		For Work In Restricted Working Space, Add	*495.82*	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,351.72	1,026.31
		For Work In Restricted Working Space, Add	*512.90*	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,603.76	1,060.97
		For Work In Restricted Working Space, Add	*530.73*	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,903.80	1,132.77
		For Work In Restricted Working Space, Add	*566.39*	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,182.09	1,203.34
		For Work In Restricted Working Space, Add	*601.67*	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,332.15	1,275.14
		For Work In Restricted Working Space, Add	*637.32*	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,483.44	1,346.95
		For Work In Restricted Working Space, Add	*673.35*	

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27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,832.31	1,432.37
		For Work In Restricted Working Space, Add	*716.06*	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,608.90	1,774.05
		For Work In Restricted Working Space, Add	*887.09*	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,846.18	2,620.85
		For Work In Restricted Working Space, Add	*1,310.48*	

27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,580.22	843.08
		For Work In Restricted Working Space, Add	*421.17*	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,780.04	872.79
		For Work In Restricted Working Space, Add	*436.40*	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,958.75	902.51
		For Work In Restricted Working Space, Add	*451.62*	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,145.50	933.45
		For Work In Restricted Working Space, Add	*466.85*	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,378.68	996.60
		For Work In Restricted Working Space, Add	*498.42*	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,596.14	1,058.49
		For Work In Restricted Working Space, Add	*529.62*	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,849.42	1,184.77
		For Work In Restricted Working Space, Add	*592.38*	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,768.70	1,561.12
		For Work In Restricted Working Space, Add	*780.68*	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,593.61	2,306.40
		For Work In Restricted Working Space, Add	*1,153.19*	

27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,411.89	766.32
		For Work In Restricted Working Space, Add	*382.91*	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,572.99	793.55
		For Work In Restricted Working Space, Add	*396.66*	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,716.38	821.41
		For Work In Restricted Working Space, Add	*410.40*	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,866.68	849.27
		For Work In Restricted Working Space, Add	*424.51*	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,060.96	906.22
		For Work In Restricted Working Space, Add	*452.92*	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,242.86	963.16
		For Work In Restricted Working Space, Add	*481.34*	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,477.17	1,077.06
		For Work In Restricted Working Space, Add	*538.53*	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,262.19	1,419.99
		For Work In Restricted Working Space, Add	*709.75*	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,839.43	2,097.18
		For Work In Restricted Working Space, Add	*1,048.46*	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,074.11	2,146.69
		For Work In Restricted Working Space, Add	*1,073.35*	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,999.38	2,499.53
		For Work In Restricted Working Space, Add	*1,249.77*	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,431.84	2,675.32
		For Work In Restricted Working Space, Add	*1,337.78*	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,806.12	3,343.84
		For Work In Restricted Working Space, Add	*1,671.67*	

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27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,497.53	4,402.33
		For Work In Restricted Working Space, Add	*2,200.91*	

27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,219.75	689.57
		For Work In Restricted Working Space, Add	*344.66*	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,286.73	714.32
		For Work In Restricted Working Space, Add	*356.92*	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,364.89	739.09
		For Work In Restricted Working Space, Add	*369.54*	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,448.01	763.84
		For Work In Restricted Working Space, Add	*382.17*	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,582.68	815.84
		For Work In Restricted Working Space, Add	*407.80*	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,716.56	864.12
		For Work In Restricted Working Space, Add	*432.31*	

27 15 13 00-0342 Triad *(27 15 13 00-0277)*

27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,241.65	1,026.31
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,208.06	1,419.99
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,597.59	2,097.18
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,238.22	2,499.53
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	13,531.78	3,872.47
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	15,577.96	4,402.33

27 15 13 00-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*

27 15 13 00-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,382.56	2,451.24
		For #10 AWG, Add	*915.10*	
		For Work In Restricted Working Space, Add	*1,225.73*	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,778.80	2,537.90
		For #10 AWG, Add	*1,026.96*	
		For Work In Restricted Working Space, Add	*1,269.33*	
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,140.24	2,627.04
		For #10 AWG, Add	*1,127.25*	
		For Work In Restricted Working Space, Add	*1,313.15*	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,520.34	2,716.18
		For #10 AWG, Add	*1,233.03*	
		For Work In Restricted Working Space, Add	*1,358.50*	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,041.10	2,899.40
		For #10 AWG, Add	*1,365.18*	
		For Work In Restricted Working Space, Add	*1,450.13*	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,533.26	3,080.15
		For #10 AWG, Add	*1,488.43*	
		For Work In Restricted Working Space, Add	*1,540.48*	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,215.75	3,446.59
		For #10 AWG, Add	*1,634.58*	
		For Work In Restricted Working Space, Add	*1,722.97*	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,534.32	4,543.46
		For #10 AWG, Add	*2,162.10*	
		For Work In Restricted Working Space, Add	*2,271.29*	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,125.42	6,709.96
		For #10 AWG, Add	*3,207.94*	
		For Work In Restricted Working Space, Add	*3,354.12*	

27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

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27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,856.46	2,144.22
		For Work In Restricted Working Space, Add	*1,071.86*	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,224.94	2,220.98
		For Work In Restricted Working Space, Add	*1,110.49*	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,559.47	2,297.73
		For Work In Restricted Working Space, Add	*1,149.11*	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,909.43	2,376.96
		For Work In Restricted Working Space, Add	*1,188.48*	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,382.60	2,537.90
		For Work In Restricted Working Space, Add	*1,268.70*	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,827.51	2,696.37
		For Work In Restricted Working Space, Add	*1,347.44*	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,433.23	3,015.78
		For Work In Restricted Working Space, Add	*1,507.89*	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,499.20	3,973.98
		For Work In Restricted Working Space, Add	*1,986.98*	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,599.04	5,870.60
		For Work In Restricted Working Space, Add	*2,935.55*	

27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,441.30	1,913.95
		For Work In Restricted Working Space, Add	*957.47*	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,706.19	1,983.28
		For Work In Restricted Working Space, Add	*991.64*	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,061.40	2,052.60
		For Work In Restricted Working Space, Add	*1,025.81*	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,372.86	2,121.93
		For Work In Restricted Working Space, Add	*1,061.46*	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,791.76	2,265.54
		For Work In Restricted Working Space, Add	*1,132.77*	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,187.66	2,406.67
		For Work In Restricted Working Space, Add	*1,203.34*	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,456.56	2,550.28
		For Work In Restricted Working Space, Add	*1,274.65*	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,727.95	2,693.89
		For Work In Restricted Working Space, Add	*1,346.70*	
27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,219.18	2,864.73
		For Work In Restricted Working Space, Add	*1,432.12*	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,565.87	3,548.11
		For Work In Restricted Working Space, Add	*1,774.18*	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,214.47	5,241.70
		For Work In Restricted Working Space, Add	*2,620.97*	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,984.12	1,686.16
		For Work In Restricted Working Space, Add	*842.34*	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,234.69	1,745.58
		For Work In Restricted Working Space, Add	*872.79*	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,464.16	1,805.01
		For Work In Restricted Working Space, Add	*903.25*	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,701.68	1,866.90
		For Work In Restricted Working Space, Add	*933.70*	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,040.07	1,993.18
		For Work In Restricted Working Space, Add	*996.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,361.52	2,116.98
		For Work In Restricted Working Space, Add	*1,059.23*	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,824.04	2,369.53
		For Work In Restricted Working Space, Add	*1,184.77*	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,370.97	3,122.24
		For Work In Restricted Working Space, Add	*1,561.37*	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,437.60	4,612.79
		For Work In Restricted Working Space, Add	*2,306.39*	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,688.27	1,532.64
		For Work In Restricted Working Space, Add	*765.83*	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,895.17	1,587.12
		For Work In Restricted Working Space, Add	*793.31*	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,084.37	1,642.83
		For Work In Restricted Working Space, Add	*820.79*	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,281.72	1,698.54
		For Work In Restricted Working Space, Add	*849.02*	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,570.71	1,812.44
		For Work In Restricted Working Space, Add	*905.85*	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,847.31	1,926.33
		For Work In Restricted Working Space, Add	*962.67*	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,272.26	2,154.12
		For Work In Restricted Working Space, Add	*1,077.06*	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,628.01	2,839.98
		For Work In Restricted Working Space, Add	*1,419.49*	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,334.29	4,194.35
		For Work In Restricted Working Space, Add	*2,096.92*	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,651.91	4,293.39
		For Work In Restricted Working Space, Add	*2,146.69*	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,165.26	4,999.04
		For Work In Restricted Working Space, Add	*2,499.53*	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,891.12	5,350.64
		For Work In Restricted Working Space, Add	*2,675.56*	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,378.33	6,687.68
		For Work In Restricted Working Space, Add	*3,343.33*	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	17,833.88	8,804.66
		For Work In Restricted Working Space, Add	*4,401.81*	

27 15 13 00-0407 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,368.62	1,379.13
		For Work In Restricted Working Space, Add	*689.32*	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,476.45	1,428.66
		For Work In Restricted Working Space, Add	*713.83*	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,596.70	1,478.18
		For Work In Restricted Working Space, Add	*739.09*	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,721.92	1,527.70
		For Work In Restricted Working Space, Add	*764.34*	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,942.01	1,631.69
		For Work In Restricted Working Space, Add	*815.60*	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,157.60	1,728.25
		For Work In Restricted Working Space, Add	*864.62*	

27 15 13 00-0414 Triad, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,241.65	1,026.31
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,208.06	1,419.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,597.59	2,097.18
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	8,238.22	2,499.53
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	13,531.78	3,872.47
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	15,577.96	4,402.33

27 15 13 00-0421 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0422 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,000.57	1,072.11
		For Work In Restricted Working Space, Add	*535.93*	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,245.96	1,110.48
		For Work In Restricted Working Space, Add	*555.25*	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,465.71	1,148.86
		For Work In Restricted Working Space, Add	*574.56*	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,696.46	1,188.48
		For Work In Restricted Working Space, Add	*594.24*	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,983.06	1,267.71
		For Work In Restricted Working Space, Add	*633.61*	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,253.30	1,346.95
		For Work In Restricted Working Space, Add	*673.35*	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,575.46	1,507.89
		For Work In Restricted Working Space, Add	*753.94*	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,728.07	1,986.99
		For Work In Restricted Working Space, Add	*993.49*	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,017.23	2,935.30
		For Work In Restricted Working Space, Add	*1,467.77*	

27 15 13 00-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,784.34	956.97
		For Work In Restricted Working Space, Add	*478.73*	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,000.69	991.64
		For Work In Restricted Working Space, Add	*495.82*	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,194.46	1,026.31
		For Work In Restricted Working Space, Add	*512.90*	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,399.32	1,060.97
		For Work In Restricted Working Space, Add	*530.73*	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,653.75	1,131.54
		For Work In Restricted Working Space, Add	*566.02*	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,893.91	1,203.34
		For Work In Restricted Working Space, Add	*601.67*	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,036.33	1,275.14
		For Work In Restricted Working Space, Add	*637.32*	
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,240.44	1,346.95
		For Work In Restricted Working Space, Add	*673.35*	
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,548.68	1,432.37
		For Work In Restricted Working Space, Add	*716.02*	
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,204.28	1,774.05
		For Work In Restricted Working Space, Add	*887.09*	
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,239.86	2,620.85
		For Work In Restricted Working Space, Add	*1,310.67*	

27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,561.26	841.84
		For Work In Restricted Working Space, Add	*421.17*	

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27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,736.84	872.79
		For Work In Restricted Working Space, Add	*436.40*	
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,852.71	903.74
		For Work In Restricted Working Space, Add	*451.62*	
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,001.15	933.45
		For Work In Restricted Working Space, Add	*466.85*	
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,193.21	996.60
		For Work In Restricted Working Space, Add	*498.42*	
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,384.04	1,059.73
		For Work In Restricted Working Space, Add	*529.62*	
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,821.17	1,184.77
		For Work In Restricted Working Space, Add	*592.38*	
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,676.12	1,561.12
		For Work In Restricted Working Space, Add	*780.68*	
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,016.84	2,306.40
		For Work In Restricted Working Space, Add	*1,153.19*	
27 15 13 00-0454		**#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,387.47	766.32
		For Work In Restricted Working Space, Add	*382.91*	
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,511.56	793.55
		For Work In Restricted Working Space, Add	*396.66*	
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,768.46	903.74
		For Work In Restricted Working Space, Add	*451.62*	
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,924.43	950.04
		For Work In Restricted Working Space, Add	*475.02*	
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,077.60	996.60
		For Work In Restricted Working Space, Add	*498.42*	
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,247.43	1,059.73
		For Work In Restricted Working Space, Add	*529.62*	
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,480.94	1,179.32
		For Work In Restricted Working Space, Add	*589.79*	
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,042.63	1,419.99
		For Work In Restricted Working Space, Add	*709.75*	
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,510.09	2,097.18
		For Work In Restricted Working Space, Add	*1,048.46*	
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,707.61	2,146.69
		For Work In Restricted Working Space, Add	*1,073.35*	
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,550.28	2,499.53
		For Work In Restricted Working Space, Add	*1,249.77*	
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,948.67	2,675.32
		For Work In Restricted Working Space, Add	*1,337.78*	
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,258.95	3,343.84
		For Work In Restricted Working Space, Add	*1,671.67*	
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,723.23	4,402.33
		For Work In Restricted Working Space, Add	*2,200.91*	
27 15 13 00-0469		**#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,222.51	689.57
		For Work In Restricted Working Space, Add	*344.66*	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,290.50	714.32
		For Work In Restricted Working Space, Add	*356.92*	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,375.11	739.09
		For Work In Restricted Working Space, Add	*369.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,466.01	763.84
		For Work In Restricted Working Space, Add	*382.17*	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,597.10	815.84
		For Work In Restricted Working Space, Add	*407.80*	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,734.35	864.12
		For Work In Restricted Working Space, Add	*432.31*	
27 15 13 00-0476		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0477		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,787.00	2,144.22
		For Work In Restricted Working Space, Add	*1,071.86*	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,096.76	2,220.98
		For Work In Restricted Working Space, Add	*1,110.49*	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,380.89	2,297.73
		For Work In Restricted Working Space, Add	*1,149.11*	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,677.27	2,376.96
		For Work In Restricted Working Space, Add	*1,188.48*	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,095.09	2,535.43
		For Work In Restricted Working Space, Add	*1,267.22*	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,497.80	2,693.89
		For Work In Restricted Working Space, Add	*1,346.70*	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,088.61	3,015.78
		For Work In Restricted Working Space, Add	*1,507.89*	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,039.71	3,973.98
		For Work In Restricted Working Space, Add	*1,986.98*	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,909.81	5,870.60
		For Work In Restricted Working Space, Add	*2,935.55*	
27 15 13 00-0487		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,380.13	1,913.95
		For Work In Restricted Working Space, Add	*957.47*	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,653.42	1,983.28
		For Work In Restricted Working Space, Add	*991.64*	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,904.14	2,052.60
		For Work In Restricted Working Space, Add	*1,025.81*	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,168.42	2,121.93
		For Work In Restricted Working Space, Add	*1,061.46*	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,540.46	2,263.07
		For Work In Restricted Working Space, Add	*1,132.03*	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,899.48	2,406.67
		For Work In Restricted Working Space, Add	*1,203.34*	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,160.74	2,550.28
		For Work In Restricted Working Space, Add	*1,274.65*	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,484.95	2,693.89
		For Work In Restricted Working Space, Add	*1,346.70*	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,935.43	2,864.73
		For Work In Restricted Working Space, Add	*1,432.05*	
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,161.24	3,548.11
		For Work In Restricted Working Space, Add	*1,774.18*	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,608.74	5,241.70
		For Work In Restricted Working Space, Add	*2,621.33*	
27 15 13 00-0499		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,965.16	1,683.68
		For Work In Restricted Working Space, Add	*842.34*	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,191.49	1,745.58
		For Work In Restricted Working Space, Add	*872.79*	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,358.12	1,807.48
		For Work In Restricted Working Space, Add	*903.25*	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,557.33	1,866.90
		For Work In Restricted Working Space, Add	*933.70*	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,854.60	1,993.18
		For Work In Restricted Working Space, Add	*996.84*	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,149.42	2,119.46
		For Work In Restricted Working Space, Add	*1,059.23*	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,795.79	2,369.53
		For Work In Restricted Working Space, Add	*1,184.77*	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,278.39	3,122.24
		For Work In Restricted Working Space, Add	*1,561.37*	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,860.83	4,612.79
		For Work In Restricted Working Space, Add	*2,306.39*	

27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,663.85	1,532.64
		For Work In Restricted Working Space, Add	*765.83*	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,833.74	1,587.12
		For Work In Restricted Working Space, Add	*793.31*	
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,273.87	1,807.48
		For Work In Restricted Working Space, Add	*903.25*	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,507.83	1,900.08
		For Work In Restricted Working Space, Add	*950.04*	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,738.99	1,993.18
		For Work In Restricted Working Space, Add	*996.84*	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,012.81	2,119.46
		For Work In Restricted Working Space, Add	*1,059.23*	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,446.88	2,358.64
		For Work In Restricted Working Space, Add	*1,179.57*	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,408.45	2,839.98
		For Work In Restricted Working Space, Add	*1,419.49*	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,004.95	4,194.35
		For Work In Restricted Working Space, Add	*2,096.92*	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,285.41	4,293.39
		For Work In Restricted Working Space, Add	*2,146.69*	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,716.16	4,999.04
		For Work In Restricted Working Space, Add	*2,499.53*	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,407.95	5,350.64
		For Work In Restricted Working Space, Add	*2,675.56*	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,831.16	6,687.68
		For Work In Restricted Working Space, Add	*3,343.33*	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	17,059.58	8,804.66
		For Work In Restricted Working Space, Add	*4,401.81*	

27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,371.38	1,379.13
		For Work In Restricted Working Space, Add	*689.32*	
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,480.22	1,428.66
		For Work In Restricted Working Space, Add	*713.83*	

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27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,606.92	1,478.18
		For Work In Restricted Working Space, Add	*739.09*	
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,739.92	1,527.70
		For Work In Restricted Working Space, Add	*764.34*	
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,956.43	1,631.69
		For Work In Restricted Working Space, Add	*815.60*	
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,175.39	1,728.25
		For Work In Restricted Working Space, Add	*864.62*	

27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0276)*

Note: Excludes excavation.

27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,922.83	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,220.08	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,484.89	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,764.41	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,092.54	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,396.09	

27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0276)*

27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,045.69	666.63
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,411.28	714.20
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,115.69	902.89
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,708.29	1,044.30
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,947.88	1,190.28
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	13,055.23	1,520.66

27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,798.16	956.97
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,130.70	991.64
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,367.37	1,026.31
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,498.50	1,060.97
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,963.39	1,131.54
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,200.49	1,203.34
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,965.20	1,346.95
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,951.41	1,774.05
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,499.63	2,620.85
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,557.52	841.84
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,831.02	872.79
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,058.63	903.74
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,175.33	933.45
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,573.05	996.60
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,874.22	1,059.73
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,243.55	1,184.77
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,198.78	1,561.12
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,660.32	2,306.40
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,381.53	766.32
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,557.35	793.55
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,727.95	820.80
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,838.51	849.27

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27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,997.38	906.22
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,174.07	963.16
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,434.64	1,077.06
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,340.89	1,419.99
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,061.17	2,097.18
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,320.76	2,146.69
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,265.86	2,499.53
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,757.17	2,675.32
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,174.55	3,343.84
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,018.89	4,402.33
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,173.54	8,108.91
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,600.88	10,731.00
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,093.51	13,522.69
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	59,151.70	18,548.98
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,343.65	766.32
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,472.62	793.55
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,598.25	820.80
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,685.92	849.27
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,821.90	906.22
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,968.82	963.16
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,204.20	1,077.06
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,989.55	1,419.99
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,496.80	2,097.18
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,692.74	2,146.69
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,532.16	2,499.53
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,929.18	2,675.32
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,236.86	3,343.84
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,691.99	4,402.33
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,365.47	8,108.91
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,643.18	10,731.00
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	35,026.85	13,522.69
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	48,949.69	18,548.98

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,813.44	956.97
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,043.02	991.64
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,190.03	1,026.31
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,383.31	1,060.97
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,623.49	1,131.54
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,861.19	1,203.34
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,415.35	1,346.95
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,443.67	1,774.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,620.55	2,620.85
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,588.90	841.84
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,786.39	872.79
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,913.71	903.74
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,079.30	933.45
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,286.62	996.60
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,492.69	1,059.73
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,969.84	1,184.77
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,865.46	1,561.12
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,757.89	2,306.40
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,406.98	766.32
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,577.38	793.55
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,699.73	820.80
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,913.98	849.27
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,113.81	906.22
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,478.69	963.16
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,770.83	1,077.06
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,521.67	1,419.99
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,296.19	2,097.18
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,581.23	2,146.69
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,620.97	2,499.53
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,100.58	2,675.32
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,563.44	3,343.84
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,569.22	4,402.33
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	22,338.90	8,108.91
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,657.99	10,731.00
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	45,025.32	13,522.69
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	63,384.22	18,547.73
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,359.92	766.32
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,485.43	793.55
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,580.21	820.80
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,734.20	849.27
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,896.38	906.22
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,163.69	963.16
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,419.26	1,077.06
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,105.19	1,419.99
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,647.14	2,097.18
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,859.36	2,146.69
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,736.34	2,499.53
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,148.85	2,675.32
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,485.63	3,343.84
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,044.03	4,402.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,110.87	8,108.91
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	27,959.16	10,731.00
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	36,902.81	13,522.69
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	51,658.12	18,548.98

27 15 13 00-0655 Sound System Cables *(27 15 13)*

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 15 13 00-0656 Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*

27 15 13 00-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*

27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,042.94	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,938.47	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,857.89	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,946.01	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,229.23	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,511.52	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,230.42	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,094.43	866.60
		For Work In Restricted Working Space, Add	*519.96*	

27 15 13 00-0666 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*

27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,086.10	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,965.92	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,897.90	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,011.41	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,251.20	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,224.75	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,058.52	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,341.08	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,622.86	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,932.01	866.60
		For Work In Restricted Working Space, Add	*519.96*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,988.15	866.60
		For Work In Restricted Working Space, Add	*519.96*	

27 15 13 00-0678 Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*

27 15 13 00-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,176.33	433.30
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,071.86	433.30
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	991.28	433.30
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,079.40	433.30
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,362.62	433.30
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,644.91	433.30
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,363.81	433.30
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,227.82	433.30

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,219.49	433.30
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,099.31	433.30
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,031.29	433.30
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,144.80	433.30
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,384.59	433.30
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,358.14	433.30
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,191.91	433.30
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,474.47	433.30
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,756.25	433.30
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,121.54	433.30
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,065.40	433.30

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,125.59	487.72
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,219.84	487.72
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,251.31	487.72
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,363.38	487.72
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,395.51	487.72
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,589.74	487.72
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,665.30	569.01
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,702.81	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,491.32	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,644.26	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,608.66	569.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,865.12	569.01
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,214.14	569.01
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,668.63	650.29
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,508.23	650.29

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,152.73	487.72
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,248.83	487.72
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,507.68	487.72
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,780.16	487.72
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,039.02	487.72
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,570.36	487.72
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,842.08	569.01
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,763.06	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,670.42	569.01
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,577.78	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,485.14	569.01
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,392.50	569.01
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,220.84	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,171.05	650.29
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,985.77	650.29

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,169.73	487.72
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,270.63	487.72
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,542.43	487.72
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,828.53	487.72
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,100.33	487.72
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,658.23	487.72
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,936.76	569.01
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,953.80	569.01
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,956.52	569.01
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,959.25	569.01
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,961.98	569.01
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,964.71	569.01
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,984.47	569.01
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,125.42	650.29
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,130.87	650.29

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0053		Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*			
27 15 23 00-0054		Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*			
27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,999.12	487.72
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,350.62	487.72
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,123.90	487.72
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,492.94	487.72
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,007.07	487.72
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,352.47	569.01
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		7,972.25	569.01
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		11,185.42	569.01
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		13,689.79	569.01
27 15 23 00-0064		50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*			
27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,288.73	487.72
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,754.08	487.72
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,521.31	487.72
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		4,661.64	487.72
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		5,135.18	487.72
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,842.08	569.01
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		8,551.05	569.01
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		9,719.47	569.01
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		14,735.83	569.01
27 15 23 00-0074		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*			
27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,362.53	487.72
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,851.14	487.72
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,656.73	487.72
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		4,854.08	487.72
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		5,351.30	487.72
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		7,136.77	569.01
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		8,931.19	569.01
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		10,158.03	569.01
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		15,425.20	569.01
27 15 23 00-0084		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*			
27 15 23 00-0085		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*			
27 15 23 00-0086		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*			
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,116.50	487.72
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,121.08	487.72
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,361.63	487.72
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,389.78	487.72
		For Aluminum Armored Cable, Add		*900.93*	
		For Steel Armored Cable, Add		*5,923.53*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,531.47	487.72
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,557.98	487.72
		For Aluminum Armored Cable, Add		*938.56*	
		For Steel Armored Cable, Add		*6,372.41*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,377.46	569.01
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		4,288.38	569.01
		For Aluminum Armored Cable With Sub-Units, Add		*908.76*	
		For Steel Armored Cable, Add		*6,979.56*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,699.48	569.01
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,869.32	569.01
		For Aluminum Armored Cable With Sub-Units, Add		*1,393.32*	
		For Steel Armored Cable, Add		*8,926.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,251.49	569.01
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,727.21	569.01
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,794.05	569.01
27 15 23 00-0100		**50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0085)*		
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,150.90	487.72
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,552.56	487.72
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,005.71	487.72
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,467.94	487.72
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,910.85	487.72
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,295.67	487.72
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,188.57	569.01
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,475.42	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,738.96	569.01
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,002.50	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,266.04	569.01
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,529.58	569.01
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,079.97	569.01
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	
27 15 23 00-0114		**62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0085)*		
27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,167.81	487.72
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,589.55	487.72
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,065.35	487.72
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,550.70	487.72
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,015.75	487.72
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,419.81	487.72
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,350.58	569.01
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,801.77	569.01
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,228.49	569.01
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,655.21	569.01
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,081.92	569.01
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,508.64	569.01
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,386.55	569.01
27 15 23 00-0128		**Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0084)*		
27 15 23 00-0129		**Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0128)*		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,074.08	487.72
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,501.74	487.72
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,529.85	487.72
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,537.42	487.72
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,145.49	487.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,157.32	569.01
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,585.52	569.01
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,614.75	569.01
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,943.92	569.01
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,994.13	487.72
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,215.18	487.72
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,394.72	487.72
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,505.53	487.72
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,228.75	487.72
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,354.54	569.01
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,019.94	569.01
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,870.55	569.01
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	31,718.86	569.01
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,203.19	487.72
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,485.30	487.72
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,773.81	487.72
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,940.17	487.72
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,749.55	487.72
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,074.85	569.01
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,873.52	569.01
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,816.67	569.01
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	33,257.39	569.01
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,396.56	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,490.81	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,522.28	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,634.35	650.29
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,666.48	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,860.71	650.29
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,936.26	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,973.77	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
		For Work In Restricted Working Space, Add	*365.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,762.28	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,915.22	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,879.62	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,136.08	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,485.10	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,939.58	812.86
		For Work In Restricted Working Space, Add	*406.43*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,779.18	812.86
		For Work In Restricted Working Space, Add	*406.43*	
27 15 23 00-0178		**50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,423.70	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,519.80	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,778.65	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,051.13	650.29
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,309.99	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,841.33	650.29
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,113.04	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,034.02	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,941.38	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,848.74	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,756.10	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,663.46	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,491.80	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,442.00	812.86
		For Work In Restricted Working Space, Add	*406.43*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,256.72	812.86
		For Work In Restricted Working Space, Add	*406.43*	
27 15 23 00-0194		**62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0161)*		
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,440.70	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,541.60	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,813.40	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,099.50	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,371.30	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,929.20	650.29
		For Work In Restricted Working Space, Add	*325.15*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0201		MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,207.72	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0202		MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,224.76	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0203		MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,227.48	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0204		MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,230.21	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0205		MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,232.94	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0206		MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,235.67	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0207		MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,255.43	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0208		MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,396.37	812.86
			For Work In Restricted Working Space, Add	*406.43*	
27 15 23 00-0209		MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,401.82	812.86
			For Work In Restricted Working Space, Add	*406.43*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212		MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,270.09	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0213		MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,621.59	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0214		MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,394.87	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0215		MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,763.91	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0216		MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,278.04	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0217		MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,623.43	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0218		MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,243.21	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0219		MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,456.38	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0220		MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,960.75	731.58
			For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222		MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,559.70	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0223		MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,025.05	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0224		MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,792.28	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0225		MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,932.61	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0226		MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,406.15	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0227		MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,113.04	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0228		MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,822.01	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0229		MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,990.43	731.58
			For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0230		MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,006.79	731.58
			For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0232		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,633.50	650.29
			For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0233		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,122.11	650.29
			For Work In Restricted Working Space, Add	*325.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,927.70	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,125.05	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,622.27	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,407.73	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,202.15	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,428.99	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,696.16	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0241		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*		
27 15 23 00-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,387.47	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,392.05	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,632.60	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,660.75	650.29
		For Aluminum Armored Cable, Add	*900.93*	
		For Steel Armored Cable, Add	*5,923.53*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,802.44	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,828.95	650.29
		For Aluminum Armored Cable, Add	*938.56*	
		For Steel Armored Cable, Add	*6,372.41*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,648.42	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,559.34	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*908.76*	
		For Steel Armored Cable, Add	*6,979.56*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,970.44	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,140.28	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,393.32*	
		For Steel Armored Cable, Add	*8,926.39*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,522.45	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,998.17	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,065.01	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,421.87	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,823.53	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,276.68	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,738.91	650.29
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,181.82	650.29
		For Work In Restricted Working Space, Add	*325.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,566.64	650.29
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,459.53	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,746.38	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,009.92	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,273.46	731.58
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,537.00	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,800.54	731.58
		For Work In Restricted Working Space, Add	*365.79*	
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,350.93	731.58
		For Work In Restricted Working Space, Add	*365.79*	
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	
		For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,438.78	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,860.52	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,336.32	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,821.67	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,286.72	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,690.78	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,621.54	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,072.73	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,499.45	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,926.17	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,352.88	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,779.60	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,657.51	731.58
		For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,345.05	650.29
		For Work In Restricted Working Space, Add	*325.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,772.71	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,800.82	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,808.39	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,416.46	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,428.28	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,856.48	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,885.71	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,214.88	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0296		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*		
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,265.10	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,486.15	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,665.69	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,776.50	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,499.72	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,625.50	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,290.90	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,141.51	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	31,989.82	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0306		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*		
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,474.16	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,756.27	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,044.78	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,211.14	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,020.52	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,345.81	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,144.48	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,087.63	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,528.35	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0316		Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,578.82	487.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,614.75	487.72
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,939.98	569.01
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,306.51	569.01

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,865.41	487.72
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,655.07	487.72
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	7,031.68	569.01
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	12,057.43	569.01

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,849.79	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,885.72	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,210.94	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,577.47	731.58
		For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,136.38	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,926.04	650.29
		For Work In Restricted Working Space, Add	*325.15*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,302.64	731.58
		For Work In Restricted Working Space, Add	*365.79*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,328.39	731.58
		For Work In Restricted Working Space, Add	*365.79*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*

Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,187.00	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,221.13	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,255.31	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,289.47	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,357.34	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,496.17	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,567.53	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,589.55	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,997.96	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,223.13	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,515.27	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,029.57	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,591.52	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,179.65	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	
27 15 23 00-0356		**50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,008.49	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,086.98	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,251.41	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,475.64	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,569.07	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,886.74	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,559.43	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,549.79	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,652.26	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,418.39	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,408.75	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,707.13	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,986.82	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,266.51	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	
27 15 23 00-0371		**62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,950.17	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,062.89	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,175.44	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,314.48	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,513.59	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,865.63	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,199.10	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,837.33	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,583.82	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,273.30	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,001.02	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,472.85	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,968.31	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,486.85	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	
27 15 23 00-0386		**Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0339)*		
27 15 23 00-0387		**Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0386)*		
27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,382.47	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,449.02	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,469.00	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,548.73	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,573.61	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,685.35	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,785.54	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,945.36	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,170.53	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,394.82	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,698.91	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,190.78	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,834.29	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,360.88	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,606.85	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,839.87	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,146.47	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,293.63	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,440.80	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,784.19	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,090.79	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,753.05	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,415.31	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,967.19	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,690.76	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,199.23	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,959.60	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,909.58	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,026.29	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,136.66	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,246.86	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,357.23	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,643.15	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,923.52	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,267.07	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,932.04	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,609.44	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,289.17	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,003.90	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,454.27	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,326.30	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,423.37	975.44
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,051.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,085.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,119.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,153.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,221.86	
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,360.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,432.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,454.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,862.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,374.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,719.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,894.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,456.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,044.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,873.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,951.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,115.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,340.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,433.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,751.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,423.95	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,414.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,516.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,282.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,273.27	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,571.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,851.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,131.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,814.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,927.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,039.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,179.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,378.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,730.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,063.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,701.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,448.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,137.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,865.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,337.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,832.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,351.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,246.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,313.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,333.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,413.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,438.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,549.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,650.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,809.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,035.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,259.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,563.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,055.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,698.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,225.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,471.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,704.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,010.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,158.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,305.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,648.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,955.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,617.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,279.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,831.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,555.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,063.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,824.12	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,774.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,890.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,001.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,111.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,221.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,507.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,788.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,131.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,796.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,473.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,153.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,868.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,318.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,864.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,287.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,399.63	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.37*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,433.54	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.12*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,467.90	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.74*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,501.82	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.05*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,569.68	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*220.40*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,703.68	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*229.13*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,805.87	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.25*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,048.85	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.83*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,261.33	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.11*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,436.99	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.52*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,656.11	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.29*	
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,231.21	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*314.13*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,848.22	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*374.84*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,996.14	3,632.68
		For Corrugated Coated Steel Tape Armored Cable, Add	*402.49*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0543		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0542)*		
27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,994.82	812.86
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,987.72	812.86
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,199.57	812.86
27 15 23 00-0547		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0542)*		
27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,261.22	812.86
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,825.48	812.86
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,293.68	812.86
27 15 23 00-0551		**Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0338)* Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0551)*		
27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,859.34	745.13
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,852.24	745.13
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,064.09	745.13
27 15 23 00-0556		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0551)*		
27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,125.74	745.13
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,690.00	745.13
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,158.20	745.13
27 15 23 00-0560		**Network Communications Cabling And Related Products** *(27 15 23)*		
27 15 23 00-0561	EA	AC Surge Suppression Assembly Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	535.23	16.93
27 15 23 00-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	902.98	20.32
27 15 23 00-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends Note: Includes testing.	47.82	2.17
27 15 23 00-0564	EA	KVM (Keyboard, Video, Mouse) Cable Note: Raritan CCP40. Includes testing.	109.10	2.71
27 15 23 00-0565	EA	6' Long USB (Universal Serial Bus) Cable Note: Includes testing.	16.25	2.17
27 15 23 00-0566	EA	10' Long USB (Universal Serial Bus) Cable Note: Includes testing.	19.26	2.71
27 15 23 00-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	21.07	2.17
27 15 23 00-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	24.08	2.71
27 15 23 00-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends Note: Includes testing.	35.18	2.17
27 15 23 00-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends Note: Includes testing.	76.48	2.71
27 15 23 00-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	60.79	2.17
27 15 23 00-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	76.48	2.71
27 15 23 00-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other Note: Includes testing.	114.02	2.17
27 15 23 00-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other Note: Includes testing.	114.02	2.17
27 15 23 00-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 006ESF-T41O1D20. Includes testing.	1.16	
27 15 23 00-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 012ESF-T41O1D20. Includes testing.	8.24	
27 15 23 00-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	10.06	
27 15 23 00-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	16.53	
27 15 23 00-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	25.85	
27 15 23 00-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	16.56	
27 15 23 00-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	25.88	
27 15 23 00-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	142.66	13.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	174.32	13.55
27 15 23 00-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	1.57	0.25
27 15 23 00-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	5.49	2.55
27 15 23 00-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	5.56	
27 15 23 00-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	8.08	2.55

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0003	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,299.40	396.16
27 15 33 00-0004	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,900.98	396.16
27 15 33 00-0005	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,661.07	418.45
27 15 33 00-0006	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,464.66	418.45
27 15 33 00-0007	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,448.60	495.20
27 15 33 00-0008	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,936.60	495.20
27 15 33 00-0009	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,902.01	693.28
27 15 33 00-0010	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,397.93	346.64
27 15 33 00-0011	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,755.32	346.64
27 15 33 00-0012	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,384.89	346.64
27 15 33 00-0013	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,363.77	693.28
27 15 33 00-0014	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	4,067.64	346.64
27 15 33 00-0015	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,236.99	693.28
27 15 33 00-0016	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,273.24	495.20

27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0017)*

27 15 33 00-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,949.04	569.01
27 15 33 00-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,803.36	569.01
27 15 33 00-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,565.71	650.29
27 15 33 00-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	6,063.24	650.29

27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0017)*

27 15 33 00-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,897.39	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 33 00-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,751.71	1,138.02
		For Work In Restricted Working Space, Add	*569.01*	
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,649.52	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	7,147.05	1,300.59
		For Work In Restricted Working Space, Add	*650.29*	

27 15 33 00-0028 Outdoor Coaxial Cable *(27 15 33)*

27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	8,607.84	1,853.54
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,297.91	1,303.74
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,793.91	769.17
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,290.41	769.17
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	3,372.11	1,201.86

27 15 43 Communications Faceplates and Connectors *(27 15)*

27 15 43 00-0001 Plastic Communications Faceplates *(27 15 43)*

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	11.24	3.40
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	11.24	3.40
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	11.24	3.40
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	11.24	3.40
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	11.24	3.40
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	18.37	3.40
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	18.37	3.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	18.37	3.40
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	18.37	3.40
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	18.37	3.40
27 15 43 00-0012		**Stainless Steel Communications Faceplates** *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0013		**Stainless Steel Communications Faceplates** *(27 15 43 00-0012)*		
27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	22.06	3.40
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	22.06	3.40
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	22.06	3.40
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	23.64	3.40
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	23.64	3.40
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	32.17	3.40
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	33.17	3.40
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	38.52	3.40
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	38.52	3.40
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	38.52	3.40
27 15 43 00-0024		**Stainless Steel Communications Faceplates With Station ID** *(27 15 43 00-0012)*		
27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	31.98	3.40
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	31.98	3.40
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	31.98	3.40
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	31.98	3.40
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	31.98	3.40
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	69.87	3.40
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	69.87	3.40
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	69.87	3.40
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	69.87	3.40
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	69.87	3.40
27 15 43 00-0035		**Snap-In Modular Jacks** *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack	38.47	13.58
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack	40.65	13.58
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack	47.20	13.58
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack	47.20	13.58
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	54.54	13.58
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	55.65	13.58
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	26.87	6.78
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	43.43	13.58
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	48.98	13.58
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	59.90	13.58
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	7.81	3.40
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	9.12	3.40
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	32.46	10.18
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*2.12*	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	32.86	10.18
		Note: Includes female to female connection.		
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	63.63	13.58
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	79.70	13.58
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	40.06	13.58
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	44.29	6.78
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	46.60	13.58
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	52.55	13.58
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack	68.98	20.36
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	79.93	13.58
27 15 43 00-0058		**Surface Mount Plastic Communication Boxes** *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	39.59	16.97
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	40.59	16.97
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	47.43	16.97
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	55.57	16.97
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	64.10	16.97
27 15 43 00-0064		**Wall Mounted Telephone Faceplates** *(27 15 43)*		
		Note: Includes standard telephone mounting studs.		
27 15 43 00-0065		**Plastic Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	43.05	16.93
27 15 43 00-0067		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	41.33	6.77
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	71.38	16.93
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	83.02	20.32
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	39.70	6.77
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	64.53	16.93
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	76.35	20.32

27 15 53 Communications Cable Innerduct *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 53 00-0001 Indoor Innerduct *(27 15 53)*

27 15 53 00-0002 Indoor Innerduct, Installed In Conduit *(27 15 53 00-0001)*

27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*

27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	5,329.75	2,032.17
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	6,899.92	2,709.56
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	9,170.10	3,386.95
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	10,713.34	4,064.33

27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*

27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,845.98	1,354.78
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,790.09	2,032.17
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,110.13	2,709.56
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	14,274.76	3,386.95
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	17,177.98	4,064.33

27 15 53 00-0014 Indoor Innerduct, Installed Exposed *(27 15 53 00-0001)*

27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*

27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	6,684.53	2,709.56
		For Work In Restricted Working Space, Add	*1,625.73*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	8,254.69	3,386.95
		For Work In Restricted Working Space, Add	*2,032.16*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	10,524.88	4,064.33
		For Work In Restricted Working Space, Add	*2,438.60*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	12,068.11	4,741.72
		For Work In Restricted Working Space, Add	*2,845.03*	

27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*

27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	9,200.76	2,032.17
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	10,144.87	2,709.56
		For Work In Restricted Working Space, Add	*1,625.73*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	12,464.90	3,386.95
		For Work In Restricted Working Space, Add	*2,032.16*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	15,629.54	4,064.33
		For Work In Restricted Working Space, Add	*2,438.60*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	18,532.75	4,741.72
		For Work In Restricted Working Space, Add	*2,845.03*	

27 15 53 00-0026 Outdoor Innerduct *(27 15 53)*

27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit *(27 15 53 00-0026)*

27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	5,006.66	2,032.17
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	6,423.48	2,709.56
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	8,206.76	3,386.95
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	9,801.70	4,064.33

27 15 53 00-0032 Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*

27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,651.89	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	5,068.70	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	6,851.99	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	8,446.92	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,587.12	67.74
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	1,204.98	133.44

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0004		Fiber Optic Transmitters *(27 16 16)*			
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles		1,587.10	67.74
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator		1,204.98	133.44
27 16 16 00-0007		Fiber Optic Repeaters *(27 16 16)*			
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.			
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power		1,722.57	135.48
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power		2,635.47	270.95
27 16 16 00-0010		Fiber Optic Transceivers *(27 16 16)*			
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range		1,650.79	270.95
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range		1,650.79	270.95
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver		2,196.38	406.44
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)		859.15	101.61
27 16 19		**Communications Patch Cords, Station Cords, and Cross Connect Wire** ***(27 16)***			
27 16 19 00-0001		Fiber Optic Patch Cords *(27 16 19)*			
27 16 19 00-0002		Simplex Fiber Optic Patch Cables *(27 16 19 00-0001)*			
27 16 19 00-0003		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0002)*			
27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		59.73	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		48.57	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		63.07	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		51.12	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		59.26	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable		58.36	
		For Each Additional Meter In Length, Add		*0.26*	
27 16 19 00-0010		Duplex Fiber Optic Patch Cables *(27 16 19 00-0001)*			
27 16 19 00-0011		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*			
27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		104.56	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		101.42	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		112.60	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		87.38	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		103.63	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable		101.86	
		For Each Additional Meter In Length, Add		*0.51*	
27 16 19 00-0018		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*			
27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		78.78	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		86.07	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		86.82	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		89.16	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		79.09	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		89.57	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		105.39	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		72.37	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable		88.21	
		For Each Additional Meter In Length, Add		*1.48*	
27 16 19 00-0028		Fiber Optic Cable Pig Tail *(27 16 19)*			
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail		93.31	47.42
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail		119.76	47.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0031		Ethernet Patch Cords *(27 16 19)*		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	17.05	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	18.57	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	20.10	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	29.28	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	36.82	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	48.41	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	18.86	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	22.72	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	22.79	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	27.44	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	36.24	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	45.27	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	70.69	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	123.09	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	22.52	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	23.82	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	24.79	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	29.65	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	36.60	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	44.98	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	63.79	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	111.05	
27 16 19 00-0054	EA	3' Category 5E Patch Cables With Plastic Arch	17.05	
27 16 19 00-0055	EA	5' Category 5E Patch Cables With Plastic Arch	18.57	
27 16 19 00-0056	EA	7' Category 5E Patch Cables With Plastic Arch	20.10	
27 16 19 00-0057	EA	10' Category 5E Patch Cables With Plastic Arch	29.28	
27 16 19 00-0058	EA	15' Category 5E Patch Cables With Plastic Arch	36.82	
27 16 19 00-0059	EA	25' Category 5E Patch Cables With Plastic Arch	48.41	
27 16 19 00-0060	EA	3' Category 6 Patch Cables With Plastic Arch	18.86	
27 16 19 00-0061	EA	5' Category 6 Patch Cables With Plastic Arch	22.72	
27 16 19 00-0062	EA	7' Category 6 Patch Cables With Plastic Arch	22.79	
27 16 19 00-0063	EA	10' Category 6 Patch Cables With Plastic Arch	27.44	
27 16 19 00-0064	EA	15' Category 6 Patch Cables With Plastic Arch	36.24	
27 16 19 00-0065	EA	25' Category 6 Patch Cables With Plastic Arch	45.27	
27 16 19 00-0066	EA	3' Category 6A Patch Cables With Plastic Arch	34.56	
27 16 19 00-0067	EA	5' Category 6A Patch Cables With Plastic Arch	36.86	
27 16 19 00-0068	EA	7' Category 6A Patch Cables With Plastic Arch	38.58	
27 16 19 00-0069	EA	10' Category 6A Patch Cables With Plastic Arch	44.55	
27 16 19 00-0070	EA	15' Category 6A Patch Cables With Plastic Arch	54.23	
27 16 19 00-0071	EA	25' Category 6A Patch Cables With Plastic Arch	69.03	
27 16 19 00-0072		Cross Connect Wire *(27 16 19)* Note: Up to 20' length.		
27 16 19 00-0073	EA	2-Pair Cross Connect Wire	21.81	
27 16 19 00-0074	EA	3-Pair Cross Connect Wire	29.23	
27 16 19 00-0075	EA	4-Pair Cross Connect Wire	36.55	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		Fiber Optic Modems *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	2,961.28	270.95
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	5,985.50	270.95
27 21 16 00-0004		Ethernet Hubs and Switches *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,363.38	203.66
27 21 16 00-0006	EA	16 Port Unmanaged Hub	731.45	135.78
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	6,003.69	135.78
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,778.81	67.89
27 21 16 00-0009		Network Equipment *(27 21 16)*		
27 21 16 00-0010		Communications Entrance Protection *(27 21 16 00-0009)*		
27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,245.43	101.83
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	15.02	1.36
27 21 16 00-0013		Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0009)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,512.18	101.83
		For Fan Kit (Chatsworth 12804-701), Add	*210.20*	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,379.61	6.78
27 21 16 00-0016		**Communications Termination Blocks And Patch Panels** *(27 21 16 00-0009)*		
27 21 16 00-0017		**Communications Termination Blocks** *(27 21 16 00-0016)*		
27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	333.80	20.32
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	311.11	20.32
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	736.64	20.32
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	685.59	20.32
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	109.10	20.32
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	117.35	20.32
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	132.79	20.32
27 21 16 00-0025		**Communications Copper Patch Panels** *(27 21 16 00-0016)* Note: Excludes cabinet and terminations.		
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	337.53	44.13
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	607.17	54.31
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	493.04	44.13
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	911.74	54.31
27 21 16 00-0030		**Communications Optical Fiber Patch Panels** *(27 21 16 00-0016)*		
27 21 16 00-0031		**Closet Connector Housings** *(27 21 16 00-0030)*		
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	402.55	27.16
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	468.41	27.16
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	581.98	27.16
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	101.21	13.58
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	134.35	13.58
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	112.91	13.58
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	145.05	13.58
27 21 16 00-0039		**Communications Cable Management** *(27 21 16 00-0009)*		
27 21 16 00-0040		**Horizontal Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	171.71	27.16
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	177.80	27.16
27 21 16 00-0043		**Vertical Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,059.27	67.89
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,098.67	67.89
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,187.28	67.89
27 21 16 00-0047		**Communications Patch Cords, Station Cords, And Cross Connect Wire** *(27 21 16 00-0009)*		
27 21 16 00-0048		**Premise Cross-Connect Wire** *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.39	0.68
27 21 16 00-0050		**Pathways For Communications Systems** *(27 21 16 00-0009)*		
27 21 16 00-0051		**Conduits And Back Boxes For Communication Systems** *(27 21 16 00-0050)*		
27 21 16 00-0052		**Flexible Conduit For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	601.24	243.86
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	919.46	243.86
27 21 16 00-0055		**Tube Cables For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0056		**Outdoor/All-Dielectric Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	412.11	162.57
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	595.22	203.21
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	942.57	243.86
27 21 16 00-0060		**Indoor/Riser Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	460.97	162.57
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	555.92	182.89
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	629.15	203.21
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,095.94	243.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0065		**Indoor/Plenum Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	359.17	162.57
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	484.04	162.57
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	713.36	182.89
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,007.83	203.21
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,948.64	243.86
27 21 16 00-0071		**Unjacketed Single Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	321.17	162.57
27 21 16 00-0073		**Multimode Fiber Bundles** *(27 21 16 00-0055)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	127.44	48.77
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	180.37	48.77
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	237.38	48.77
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	411.11	48.77
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	588.88	56.90
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	762.62	56.90
27 21 16 00-0080		**Singlemode Fiber Bundles** *(27 21 16 00-0055)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	116.58	48.77
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	139.65	48.77
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	158.66	48.77
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	195.30	48.77
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	290.28	56.90
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	373.07	56.90
27 21 16 00-0087		**Tube Distribution Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	241.33	67.89
27 21 16 00-0089		**Modular Fiber Termination Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	294.56	67.89
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	311.39	67.89
27 21 16 00-0092		**Tube Distribution Accessories** *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	15.47	6.78
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.65	6.78
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	19.69	6.78
27 21 16 00-0096		**Communications Optical Fiber Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0097		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0096)*		
27 21 16 00-0098		**Field Installed Fiber Connectors** *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	39.47	10.18
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	35.58	10.18
27 21 16 00-0101		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0097)*		
27 21 16 00-0102		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0101)*		
		Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	287.24	135.48
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	291.31	135.48
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	294.91	135.48
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	306.08	135.48
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	321.36	135.48
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	332.71	135.48
27 21 16 00-0109		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	289.12	135.48
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	329.45	135.48
27 21 16 00-0112		**Communications Copper Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0113		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0112)*		
27 21 16 00-0114		**Copper Communications Cable Splice Cases** *(27 21 16 00-0113)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,318.27	270.95
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,540.16	270.95
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,277.47	270.95
27 21 16 00-0118		**Modular Splice Connectors** *(27 21 16 00-0113)*		
27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	146.24	67.74
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	143.85	67.74
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	146.30	67.74
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	145.96	67.74
27 21 26		**Data Communications Network Management** *(27 21)*		
27 21 26 00-0001		**Data Communications Network Management** *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	734.99	33.87
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	565.01	33.87
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	789.58	33.87
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,239.88	33.87
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	114.94	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	547.43	20.32
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	913.04	33.87
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,460.48	434.48
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,918.90	434.48
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	20,286.09	162.57
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	635.25	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,792.12	162.57
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,913.95	162.57
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	704.66	13.58
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,166.51	16.93
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,480.58	16.93
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	80.45	6.78
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	260.86	67.74
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,968.62	162.57
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	835.83	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	27.05	6.78
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	349.82	16.93
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	869.79	16.97
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	127.66	6.78
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,686.34	162.57
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	839.18	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	744.34	16.93
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	756.04	16.93
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,621.41	162.57
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	410.07	16.97
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,922.96	16.97
27 21 26 00-0033	EA	Router (CISCO IR829)	1,723.90	67.89
27 21 29		**Data Communications Switches and Hubs** *(27 21)*		
27 21 29 00-0001		**Data Communications Multimedia Modular Patch Panels** *(27 21 29)* Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.		
27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	110.60	6.77
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	121.86	6.77
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	143.65	6.77
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	150.34	6.77
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	164.74	8.47
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	155.89	6.77
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	195.62	8.47
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	71.60	8.47
27 21 33		**Data Communications Wireless Access Points** *(27 21)*		
27 21 33 00-0001		**Data Communications Wireless Access Points** *(27 21 33)*		
27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,290.06	203.21
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,691.68	203.21
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,691.68	203.21
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	2,077.73	203.21
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,437.31	227.57
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,798.04	227.57
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,322.65	227.57
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,322.65	227.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,119.10	75.85
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,148.69	75.85
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	201.69	37.93
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,838.87	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	660.39	67.74
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	547.97	67.74
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	97.98	27.10
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	85.43	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	50.01	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	352.70	67.74
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	354.87	67.74
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	483.15	67.89
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,217.06	101.83
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,555.42	101.83
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	88.03	20.32
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	333.04	75.85
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,082.60	75.85
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,309.69	67.89
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,698.31	67.74

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	8,224.26	1,237.99
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	985.92	101.20
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	501.90	108.52
27 32 13 00-0005	EA	Loud Ring Bell, 6"	394.15	100.66
27 32 13 00-0006	EA	Audio/Visual Indicator	501.50	94.83
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	522.08	85.08
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,592.84	694.05
27 32 13 00-0009	EA	Handset For 16 Station System	368.29	69.09
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	498.88	93.21
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	3,352.24	1,493.91
27 32 13 00-0012	EA	Power Supply For 16 Station System	465.22	184.39
27 32 13 00-0013	EA	Intercom Terminal Board	412.10	207.56
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	483.44	184.39
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	235.50	75.77
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	735.10	166.76
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	867.98	189.54
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	1,052.60	224.32
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,241.85	242.53
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,934.61	275.95
27 32 13 00-0021	EA	Ring Rung 3"	14.58	7.56
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	36.45	13.41
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	66.27	27.50

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	15.24	7.31
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	33.70	28.18
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	84.62	30.95
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	79.57	30.95
27 32 13 00-0029	EA	Terminating Strips, Inside	161.66	61.90
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	69.50	31.83
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	195.42	74.65
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	229.78	83.46
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	74.92	25.06
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	68.21	31.43
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	887.49	181.00
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	1,062.28	183.85
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	352.34	75.32
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	364.46	75.32
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	482.31	96.33
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	1,009.45	173.54
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,410.69	198.07
27 32 13 00-0042	EA	Gas Protection Module	20.66	6.77
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	37.62	6.19

27 32 26 Ring-Down Emergency Telephones *(27 32)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0001		**Emergency Telephone** *(27 32 26)* Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,263.90	555.48
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,897.03	555.48
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	211.04	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	316.57	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	791.42	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,076.33	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,181.85	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	189.94	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	2,004.93	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	928.60	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	3,007.39	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,320.79	
27 32 26 00-0016	EA	Active Venting Code Blue Option	337.67	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,944.08	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	738.66	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,677.81	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	73.87	
27 32 26 00-0021		**City Police Call System** *(27 32 26)*		
27 32 26 00-0022		**Components** *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	956.98	157.97
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	857.27	228.82

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0001		**Television Distribution System** *(27 41 16)* See CSI section 26 05 19 16-0309 for basic wiring.		
27 41 16 00-0002		**Mounted Television Support** *(27 41 16 00-0001)*		
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	532.71	152.06
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	687.67	169.71
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	556.14	152.06
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	711.10	169.71
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	422.08	122.20
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	577.01	135.78
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	452.82	122.20
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	607.76	135.78
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	483.57	122.20
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	638.50	135.78
27 41 16 00-0013		**Distribution System** *(27 41 16 00-0001)* See CSI section 26 05 13 16-0001 for wire and cabling.		
27 41 16 00-0014		**TV Distribution Rack** *(27 41 16 00-0013)*		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,866.30	249.14
27 41 16 00-0016	EA	Switch And Pilot Light	290.23	110.69
27 41 16 00-0017	LF	Surface Raceway With Outlets	34.73	15.03
27 41 16 00-0018	EA	Service Label	41.19	20.73
27 41 16 00-0019		**Head End Amplifier** *(27 41 16 00-0013)*		
27 41 16 00-0020	EA	Head End Amplifier	1,245.13	165.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*		
27 41 16 00-0022	EA	UHF In-Line Booster	727.03	165.82
27 41 16 00-0023		Preamplifiers *(27 41 16 00-0013)*		
27 41 16 00-0024	EA	VHF Preamplifier	909.47	165.82
27 41 16 00-0025	EA	UHF Preamplifier	727.03	165.82
27 41 16 00-0026		Power Supplies *(27 41 16 00-0013)*		
27 41 16 00-0027	EA	Common Power Supply	1,299.25	236.95
27 41 16 00-0028		Line Splitter And Mixer *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	112.28	55.27
27 41 16 00-0030	EA	Two-Way Splitter	126.80	55.27
27 41 16 00-0031	EA	Frequency Filter	281.49	83.05
27 41 16 00-0032	EA	Line Splitter And Mixer	342.76	121.93
27 41 16 00-0033		Power Line Filters *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	545.63	110.69
27 41 16 00-0035		Wall Box And Receiver Outlets *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	281.49	83.05
27 41 16 00-0037	EA	TV Receiver Outlet Plug	126.80	55.27
27 41 16 00-0038	EA	TV Camera Outlet Plug	126.80	55.27
27 41 16 00-0039	EA	Audio Outlet Plug	108.61	55.27
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	226.37	110.69
27 41 16 00-0041	EA	Male Plug PL-259	126.80	55.27
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	149.59	57.98
27 41 33		**Master Antenna Television Systems** *(27 41)*		
27 41 33 00-0001		Antenna Systems *(27 41 33)*		
27 41 33 00-0002		Antenna *(27 41 33 00-0001)*		
27 41 33 00-0003	EA	Amateur Radio Antenna	1,177.96	203.21
27 41 33 00-0004	EA	Multi-Band Radio Antenna	916.62	203.21
27 41 33 00-0005		Receptacles *(27 41 33 00-0001)*		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	263.27	83.05
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	263.27	83.05

27 50 Distributed Communications and Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001		Video Intercom And Exterior Gate Control System *(27 51 17)*		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,623.96	169.71
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,308.67	169.71
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	558.40	169.71
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,540.36	84.86
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,096.49	84.86
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	160.64	33.94
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,107.87	33.94
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,521.73	33.94
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	495.57	33.94
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	558.34	33.94
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	152.17	16.97
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	165.32	16.97
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,979.73	169.71
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	67.85	6.78
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	848.87	169.71
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	793.35	33.94
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	243.05	33.94
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	270.79	33.94
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	332.47	50.91
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	74.54	16.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers *(27 51 43)*

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	602.66	135.78
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	850.87	135.78
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	1,010.20	135.78
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,123.87	135.78
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,399.31	135.78
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,811.21	135.78
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	71.88	6.78

27 51 43 00-0009 Splitters *(27 51 43)*

27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,608.44	101.61
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,255.41	101.61

27 51 43 00-0012 Speakers *(27 51 43)*

27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	236.79	36.31
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	75.31	6.77
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	83.98	6.77
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	130.43	6.77
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	121.57	12.20

27 51 43 00-0018 Accessories *(27 51 43)*

27 51 43 00-0019	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	349.13	16.97
27 51 43 00-0020	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	783.66	16.97
27 51 43 00-0021	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	199.77	33.94
27 51 43 00-0022	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	368.80	33.94
27 51 43 00-0023	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	269.93	33.87
27 51 43 00-0024	EA	Microphone Jack For Audio/Video System	125.69	33.94
27 51 43 00-0025	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,056.52	135.78
27 51 43 00-0026	EA	Volume Control For Audio/Video System (Bogen AT10A)	120.22	33.94
27 51 43 00-0027	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	84.77	33.94

27 51 43 00-0028 Removal And Reinstallation Of Speakers *(27 51 43)*

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0029	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	189.67	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001 Wireless Equipment Nurses Call Systems *(27 52 23)*

Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System *(27 52 23 00-0001)*

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	9,038.72	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	10,032.43	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,387.48	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,168.94	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,649.88	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,130.68	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,076.56	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	521.85	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	35.80	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	761.87	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	761.87	
27 52 23 00-0014	EA	Remote Reset Button; S35R	739.62	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	518.67	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	45.34	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	636.28	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	2,027.84	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,293.68	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	1,004.41	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	1,004.41	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,246.00	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,122.04	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,220.65	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,826.47	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	4,012.37	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,853.98	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	93.44	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	83.90	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	39.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,582.93	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,132.83	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	42.16	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	80.30	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	42.16	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	9,118.22	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,285.20	
27 52 23 00-0038		Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*		
27 52 23 00-0039	EA	Tele/Management Unit; TP12	5,010.28	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,838.74	
27 52 23 00-0041		Wireless Nurses Call Paging System *(27 52 23 00-0001)*		
27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,805.46	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,038.18	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,400.55	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,715.24	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	93.84	
27 52 23 00-0047		Equipment Nurses Call Systems *(27 52 23)*		
27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	316.64	70.45
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,407.85	281.80
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	333.56	92.12
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,629.27	270.95
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	824.35	211.35
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	433.56	70.45
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	410.46	70.45
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	626.66	123.29
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	186.80	54.19
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	171.93	54.19
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	124.49	35.22
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	180.45	54.19
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	277.99	35.22
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	135.69	35.22
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	6,970.21	270.95
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	1,133.84	211.48

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*

27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,507.34	101.61
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,995.82	101.61
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,843.75	101.61
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,332.23	101.61
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	

27 53 13 13-0008 Wireless Repeaters (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	2,083.58	67.74
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,333.63	67.74

27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	452.76	33.87
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	287.06	33.87
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	540.77	33.87
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	323.61	33.87

27 53 13 13-0016 Wireless GPS Accesories (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	90.97	27.10
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	127.74	27.10
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,083.95	59.28
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,924.62	84.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	671.78	6.77
27 53 13 13-0022		**2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series)** *(27 53 13 13)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,431.73	101.61
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,464.21	101.61
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,751.67	101.61
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,784.14	101.61
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	193.82	27.10
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	193.82	27.10
27 53 13 13-0029	EA	Set-up Charge For Clock Message, Per Clock (Sapling CLK-MSG-SETUP)	33.43	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	270.06	3.39
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	540.14	6.77
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	98.71	3.39
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	19.74	0.68
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	123.88	6.77
27 53 13 13-0035		**2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series)** *(27 53 13 13)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	7,062.86	101.61
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,716.85	101.61
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	3,119.46	67.74
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,794.22	67.74
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,654.98	
27 53 13 13-0042		**Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling)** *(27 53 13 13)* Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	455.14	16.93
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	455.14	16.93
27 53 13 13-0045		**Wire Guards For Wireless Synchronized Clocks (Sapling)** *(27 53 13 13)*		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	252.70	16.93
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	351.37	16.93
27 53 13 13-0048		**Wireless Synchronized Clock Transmitters** *(27 53 13 13)*		
27 53 13 13-0049		**Analog, Wireless Synchronized Clocks (Primex Traditional Series)** *(27 53 13 13-0048)*		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	338.78	33.87
		For >100 To 250, Deduct	*-58.92*	
		For >250, Deduct	*-69.76*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	609.82	33.87
		For >100 To 250, Deduct	*-39.95*	
		For >250, Deduct	*-48.08*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	394.86	33.87
		For >100 To 250, Deduct	*-69.01*	
		For >250, Deduct	*-82.10*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	385.51	33.87
		For >100 To 250, Deduct	*-67.33*	
		For >250, Deduct	*-80.04*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	703.28	33.87
		For >100 To 250, Deduct	*-45.09*	
		For >250, Deduct	*-54.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	441.59	33.87
		For >100 To 250, Deduct	*-51.25*	
		For >250, Deduct	*-66.21*	

27 53 13 13-0056 Digital, Wireless Synchronized Clocks (Primex Digital Series) *(27 53 13 13-0048)*

27 53 13 13-0057 4-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	497.66	33.87
		For Green LED, Add	*42.99*	
		For >100 To 250, Deduct	*-44.52*	
		For >250, Deduct	*-66.02*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	927.59	33.87
		For Green LED, Add	*85.99*	
		For >100 To 250, Deduct	*-96.12*	
		For >250, Deduct	*-242.29*	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	553.74	33.87
		For Green LED, Add	*48.60*	
		For >100 To 250, Deduct	*-32.00*	
		For >250, Deduct	*-46.58*	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,039.74	33.87
		For Green LED, Add	*97.20*	
		For >100 To 250, Deduct	*-87.89*	
		For >250, Deduct	*-272.57*	

27 53 13 13-0062 6-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	553.74	33.87
		For Green LED, Add	*48.60*	
		For >100 To 250, Deduct	*-36.86*	
		For >250, Deduct	*-52.41*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,039.74	33.87
		For Green LED, Add	*97.20*	
		For >100 To 250, Deduct	*-79.14*	
		For >250, Deduct	*-185.09*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	647.20	33.87
		For Green LED, Add	*57.95*	
		For >100 To 250, Deduct	*-30.41*	
		For >250, Deduct	*-44.90*	

27 53 13 13-0066 Wire Guards For Wireless Synchronized Clocks *(27 53 13 13-0048)*

27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	174.06	16.93
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	80.60	16.93
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	89.95	16.93

27 53 13 13-0070 Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.

27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,745.40	101.61
		For Roof Mounted GPS Receiver, Add	*556.83*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)	6,091.28	101.61
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
		For Roof Mounted GPS Receiver, Add	*791.42*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006)	3,677.67	67.74
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		

27 53 13 13-0074 Accessories For Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	334.57	27.10
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	151.39	27.10
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	222.90	13.55
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	192.98	33.87
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	269.84	50.80
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	397.17	67.74

27 53 13 16 Wired Clock Systems *(27 53 13)*

27 53 13 16-0001 Wired Self-Corrective Clock Systems *(27 53 13 16)*

27 53 13 16-0002 Wired Self-Corrective Clocks *(27 53 13 16-0001)*

27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	289.24	33.87
		For >50 To 100, Deduct	*-18.99*	
		For >100, Deduct	*-27.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	684.59	33.87
		For >50 To 100, Deduct	*-34.81*	
		For >100, Deduct	*-59.48*	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	362.14	33.87
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-36.63*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	903.29	33.87
		For >50 To 100, Deduct	*-93.69*	
		For >100, Deduct	*-127.11*	
27 53 13 16-0009		**120 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	289.24	33.87
		For >50 To 100, Deduct	*-18.99*	
		For >100, Deduct	*-27.85*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	684.59	33.87
		For >50 To 100, Deduct	*-34.81*	
		For >100, Deduct	*-59.48*	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	362.14	33.87
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-36.63*	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	903.29	33.87
		For >50 To 100, Deduct	*-93.69*	
		For >100, Deduct	*-127.11*	
27 53 13 16-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	237.15	16.93
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	61.91	16.93
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	78.04	16.93
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	94.86	16.93
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	169.92	27.10
27 53 13 16-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	356.54	33.87
		For Surface Mount, Add	*57.76*	
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	547.20	33.87
		For Surface Mount, Add	*95.89*	
		For >50 To 100, Deduct	*-28.77*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	356.54	33.87
		For Surface Mount, Add	*57.76*	
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	547.20	33.87
		For Surface Mount, Add	*95.89*	
		For >50 To 100, Deduct	*-28.77*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	305.38	33.87
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	500.93	33.87
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	305.38	33.87
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	500.93	33.87
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	322.67	16.93
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	78.73	16.93
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	108.17	16.93
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	282.01	16.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	80.84	16.93
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,340.15	270.95
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,550.44	270.95
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	347.88	67.74
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	392.03	67.74
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	2,112.28	135.48
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,557.82	270.95
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	312.79	67.74
27 53 13 16-0050	EA	Combination Clock And Speaker	710.67	169.34

END OF SECTION 27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,787.71	282.47
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	2,259.34	367.15
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	12,303.95	804.74
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,825.64	685.78
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	1,438.42	375.13

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	168.13	33.87
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	176.50	33.87
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	224.60	33.87

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	212.75	33.87
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	1,037.03	101.61
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	350.10	33.87

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	240.29	33.87

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	365.55	67.74
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	587.25	67.74
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	587.25	67.74
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	905.16	67.74

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	339.64	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*		
		Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls	1,421.29	135.48
		Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
		For Flush Mount, Add	*258.83*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls	1,727.06	152.41
		Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.		
		For Flush Mount, Add	*320.00*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	835.66	135.48
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	948.60	135.48
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,057.36	135.48
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,174.49	135.48
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,283.25	135.48
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,400.37	135.48
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,509.13	135.48
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	71.11	
		For >40 To 110, Deduct	*-3.56*	
		For >110, Deduct	*-7.11*	
		For Built In Proximity Tags, Add	*14.22*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	75.29	
		For >40 To 110, Deduct	*-3.76*	
		For >110, Deduct	*-7.53*	
		For Built In Proximity Tags, Add	*15.06*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	79.48	
		For >40 To 110, Deduct	*-3.97*	
		For >110, Deduct	*-7.95*	
		For Built In Proximity Tags, Add	*15.90*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls	303.60	101.61
		Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls	621.51	101.61
		Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls	562.95	101.61
		Note: Includes 15' of coax cable.		
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,630.44	135.48
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,776.85	135.48
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	2,111.49	135.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	961.15	135.48
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,197.36	135.48
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators	161.86	33.87
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	160.73	27.10
28 16 11 00-0064		HID, Proximity Card Readers, Signo 20 *(28 16 11)*		
28 16 11 00-0065	EA	Mullion Mount Reader, Terminal Strip Connection, HID Proximity Card Reader, Signo 20 (HID 20TKS-00-000000)	602.63	169.34
		Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0066		Wiegand Output Access Controls *(28 16 11)*		
		Note: Excludes controllers.		
28 16 11 00-0067		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0068		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		
28 16 11 00-0069		DKS, Proximity Cards *(28 16 11 00-0068)*		
28 16 11 00-0070	EA	Clamshell Type, DKS Proximity Card (DKS 170)	11.13	
28 16 11 00-0071	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	18.35	
28 16 11 00-0072	EA	DKS Proximity Key Fob (DKS 50)	19.33	
28 16 11 00-0073	EA	Active Tag, DKS Proximity Tag (DKS 150)	109.32	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0074	EA	Active Tag, DKS Proximity Tag (DKS 200)	142.50	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0075		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0068)*		
28 16 11 00-0076	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	561.23	169.34
28 16 11 00-0077	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	561.23	169.34
28 16 11 00-0078	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	561.23	169.34
28 16 11 00-0079	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)	1,603.64	169.34
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0080		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		
28 16 11 00-0081		AWID, Proximity Cards *(28 16 11 00-0080)*		
28 16 11 00-0082	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	9.37	
28 16 11 00-0083	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	14.64	
28 16 11 00-0084	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	15.62	
28 16 11 00-0085	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0086	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0087		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0080)*		
28 16 11 00-0088	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	690.07	169.34
		Note: For mullion mounting.		
28 16 11 00-0089	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	971.17	169.34
		Note: For mullion mounting.		
28 16 11 00-0090	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	971.17	169.34
		Note: For single gang electrical box mounting.		
28 16 11 00-0091	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	1,607.55	169.34
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0092	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	9,244.12	169.34
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0093		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0094		**HID, Proximity Cards** *(28 16 11 00-0093)*		
28 16 11 00-0095	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	21.48	
28 16 11 00-0096	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	28.51	
28 16 11 00-0097	EA	HID Proximity Key Fob (HID ProxKey II)	29.29	
28 16 11 00-0098		**HID, Proximity Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0093)*		
28 16 11 00-0099	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	598.93	169.34
28 16 11 00-0100	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	704.08	169.34
28 16 11 00-0101	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	782.94	169.34
28 16 11 00-0102	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	995.86	169.34
28 16 11 00-0103		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0066)*		
28 16 11 00-0104		**HID, Contactless Smart Cards** *(28 16 11 00-0103)*		
28 16 11 00-0105	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	17.18	
28 16 11 00-0106	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	18.75	
28 16 11 00-0107	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	24.54	
28 16 11 00-0108	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	13.28	
28 16 11 00-0109		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0103)*		
28 16 11 00-0110	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	648.51	169.34
28 16 11 00-0111	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	906.19	169.34
28 16 11 00-0112	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,485.96	169.34
28 16 11 00-0113		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0103)*		
28 16 11 00-0114	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,746.79	169.34
28 16 11 00-0115		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0066)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0116	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,844.59	169.34
28 16 11 00-0117	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,530.86	169.34
28 16 11 00-0118		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0066)*		
28 16 11 00-0119	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,230.90	135.48
28 16 11 00-0120	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,830.24	135.48
28 16 11 00-0121	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,485.71	135.48
28 16 11 00-0122	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,402.91	135.48
28 16 11 00-0123	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,678.99	135.48
28 16 11 00-0124	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,402.91	135.48
28 16 11 00-0125		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0126		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0125)*		
28 16 11 00-0127	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	543.65	48.04
28 16 11 00-0128	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	1,037.25	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	493.45	48.04
28 16 11 00-0130		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0125)*		
28 16 11 00-0131	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	976.99	57.63
28 16 11 00-0132	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,161.04	57.63
28 16 11 00-0133	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	721.82	57.63
28 16 11 00-0134		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0125)*		
28 16 11 00-0135	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	3,134.98	72.04
28 16 11 00-0136	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	3,281.39	72.04
28 16 11 00-0137	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,378.10	24.02
28 16 11 00-0138	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	2,172.88	72.04
28 16 11 00-0139		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0140	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	693.46	
28 16 11 00-0141	EA	7 Amperes, 12 Volt, Battery	90.89	
28 16 11 00-0142	EA	18 Amperes, 12 Volt, Battery	202.60	
28 16 11 00-0143	EA	Door Personality Module (Sensormatic RM-4)	755.01	33.87
28 16 11 00-0144	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	308.33	67.74
28 16 11 00-0145	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	94.70	40.64
28 16 11 00-0146	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	829.62	27.10
28 16 11 00-0147	EA	Surge Suppressor (Tripp-Lite IBAR4)	125.29	6.78
28 16 11 00-0148	EA	Door Strike Relay (Altronix RBSN-TTL)	88.67	27.10
28 16 11 00-0149	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	529.58	
28 16 11 00-0150	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	746.63	169.34
28 16 11 00-0151		**Access Controllers** *(28 16 11)*		
28 16 11 00-0152		**Microterm Controller** *(28 16 11 00-0151)*		
28 16 11 00-0153	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,915.32	169.34
28 16 11 00-0154	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,381.80	101.61
28 16 11 00-0155	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	656.19	
28 16 11 00-0156		**Miniterm Controller** *(28 16 11 00-0151)*		
28 16 11 00-0157	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,997.74	169.34
28 16 11 00-0158	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,266.51	101.61
28 16 11 00-0159		**Super-2 Controller** *(28 16 11 00-0151)*		
28 16 11 00-0160	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,219.53	169.34
28 16 11 00-0161	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,522.74	101.61
28 16 11 00-0162	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	420.90	101.61
28 16 11 00-0163		**Smarterm Controller** *(28 16 11 00-0151)*		
28 16 11 00-0164	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,294.72	203.21
28 16 11 00-0165	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,845.31	101.61
28 16 11 00-0166	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,884.82	101.61
28 16 11 00-0167	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,680.02	101.61
28 16 11 00-0168	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,084.16	101.61
28 16 11 00-0169	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,084.16	101.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0170		**Superterm-4 Controller** *(28 16 11 00-0151)*		
28 16 11 00-0171	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,809.47	203.21
28 16 11 00-0172	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,763.74	101.61
28 16 11 00-0173		**Superterm-8 Controller** *(28 16 11 00-0151)*		
28 16 11 00-0174	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,731.92	338.69
28 16 11 00-0175	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,394.58	338.69
28 16 11 00-0176	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,415.25	101.61
28 16 11 00-0177		**Turbo Superterm-4 Controller** *(28 16 11 00-0151)*		
28 16 11 00-0178	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,809.47	203.21
28 16 11 00-0179	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,763.74	101.61
28 16 11 00-0180		**Turbo Superterm-8 Controller** *(28 16 11 00-0151)*		
28 16 11 00-0181	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,731.92	338.69
28 16 11 00-0182	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,394.58	338.69
28 16 11 00-0183	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,415.25	101.61
28 16 11 00-0184	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,680.02	101.61
28 16 11 00-0185	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,255.90	101.61
28 16 11 00-0186	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,086.30	101.61
28 16 11 00-0187	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,086.30	101.61
28 16 11 00-0188	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	849.98	
28 16 11 00-0189		**Intelligent Controller** *(28 16 11 00-0151)*		
28 16 11 00-0190	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,495.25	101.61
28 16 11 00-0191	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,583.29	169.34
28 16 11 00-0192		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0193	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	42,109.46	
28 16 11 00-0194		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0195		**Magnetic Door Locks** *(28 16 11 00-0194)*		
28 16 11 00-0196		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0195)*		
28 16 11 00-0197	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	768.73	135.48
28 16 11 00-0198		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0195)*		
28 16 11 00-0199	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,113.83	135.48
		For LED Status Indicator And Signal Relay, Add	*105.36*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*210.72*	
		For Mortise Mount, Deduct	*-168.58*	
28 16 11 00-0200	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,680.64	135.48
		For LED Status Indicator And Signal Relay, Add	*176.21*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*352.42*	
28 16 11 00-0201		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0195)*		
28 16 11 00-0202	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,166.12	135.48
		For LED Status Indicator And Signal Relay, Add	*205.89*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*268.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0203	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,793.58	135.48
		For LED Status Indicator And Signal Relay, Add	*350.20*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*456.79*	
28 16 11 00-0204		**2,000 Lb. Shear Lock, Magnetic And Mechanical Locks** *(28 16 11 00-0195)*		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0205	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,222.59	135.48
28 16 11 00-0206		**Magnetic Gate Locks** *(28 16 11 00-0194)*		
28 16 11 00-0207		**600 Lb. Magnetic Gate Locks** *(28 16 11 00-0206)*		
28 16 11 00-0208	EA	600 Lb. Magnetic Gate Lock	906.77	135.48
28 16 11 00-0209		**1,200 Lb. Magnetic Gate Locks** *(28 16 11 00-0206)*		
28 16 11 00-0210	EA	1,200 Lb. Magnetic Gate Lock	1,097.10	135.48
		For LED Status Indicator And Signal Relay, Add	*103.27*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*206.54*	
		For Mortise Mount, Deduct	*-165.23*	
28 16 11 00-0211		**Magnetic Lock Power Supply And Chargers** *(28 16 11 00-0194)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0212	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	663.27	135.48
28 16 11 00-0213	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	852.90	135.48
28 16 11 00-0214	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	964.45	135.48
28 16 11 00-0215	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,221.01	135.48
28 16 11 00-0216		**Master Door Buzzer Stations** *(28 16 11)*		
28 16 11 00-0217		**Master Stations** *(28 16 11 00-0216)*		
28 16 11 00-0218	EA	Master Stations, 5 Station Intercommunication Equipment	1,262.79	211.35
28 16 11 00-0219	EA	Master Stations, 10 Station Intercommunication Equipment	1,900.23	409.14
28 16 11 00-0220	EA	Master Station, Desk Style Remote Intercommunication Equipment	543.20	105.67
28 16 11 00-0221	EA	Master Station, Flush Wall Remote Intercommunication Equipment	696.41	176.12
28 16 11 00-0222	EA	Sound System Outlet, Protector	179.48	68.95
28 16 11 00-0223	EA	Sound System Microphone Outlet	314.56	141.17
28 16 11 00-0224	EA	Ceiling Or Wall, Sound System Speaker	239.51	68.95
28 16 11 00-0225	EA	Sound System Monitor Panel	697.92	141.17
28 16 11 00-0226	EA	Sound System Volume Control	207.15	68.95
28 16 11 00-0227	EA	250 Watt, Sound System Amplifier	3,226.21	564.53
28 16 11 00-0228	EA	Sound System Cabinet	1,891.04	564.53
28 16 11 00-0229		**Master Door Stations** *(28 16 11 00-0216)*		
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,796.76	
		For Intercom Type Master Door Station, Add	*230.60*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,632.16	
		For Intercom Type Master Door Station, Add	*373.56*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 75 Station	6,357.77	
		For Intercom Type Master Door Station, Add	*484.25*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 100 Station	7,266.98	
		For Intercom Type Master Door Station, Add	*567.26*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 150 Station	8,815.25	
		For Intercom Type Master Door Station, Add	*830.14*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 200 Station	10,340.42	
		For Intercom Type Master Door Station, Add	*1,069.96*	
28 16 11 00-0236	EA	Master Door Stations, Button Buzzer Type, 250 Station	13,016.22	
		For Intercom Type Master Door Station, Add	*1,383.57*	
28 16 11 00-0237	EA	Master Door Stations, Button Buzzer Type, 300 Station	15,551.78	
		For Intercom Type Master Door Station, Add	*1,586.49*	
28 16 11 00-0238	EA	Transformer	195.43	
28 16 11 00-0239	EA	Door Opener	289.26	
28 16 11 00-0240	EA	Buzzer With Door Release And Plate	357.04	
28 16 11 00-0241	EA	Amplifier For Intercom Type Unit	583.47	
28 16 11 00-0242	EA	Speaker With Door Release	245.40	
28 16 11 00-0243		**Access Card Readers (WaveLynx)** *(28 16 11)*		
28 16 11 00-0244	EA	Mullion Multi-Technology Smart Card Reader (WaveLynx Technologies ET20-3WS-CWL1) Note: For mullion mounting. (HID P/N 6005).	309.45	135.48

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001	EA	Handheld Scanner (Garrett Super Scanner V)	298.07	33.87
28 18 11 00-0002	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,806.23	406.44
28 18 11 00-0003	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,416.94	541.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems (360 Vision Technology) *(28 21 31)*

28 21 31 00-0002 Cameras *(28 21 31 00-0001)*

28 21 31 00-0003	EA	PTZ Camera (Predator HD Gen3)	1,259.85	135.48

28 21 31 00-0004 Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*

28 21 31 00-0005 Cameras And Accessories *(28 21 31 00-0004)*

28 21 31 00-0006 Cameras *(28 21 31 00-0005)*

28 21 31 00-0007 Compact, 1/3" Format Cameras *(28 21 31 00-0006)*

28 21 31 00-0008 High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0007)*

28 21 31 00-0009	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	697.26	33.94

28 21 31 00-0010 Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0007)*

28 21 31 00-0011	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	411.81	33.94

28 21 31 00-0012 Camerapaks *(28 21 31 00-0005)*

Note: Includes camera and lens.

28 21 31 00-0013 Camerapaks *(28 21 31 00-0012)*

28 21 31 00-0014 High Resolution Color, Camerapaks *(28 21 31 00-0013)*

28 21 31 00-0015 Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0014)*

28 21 31 00-0016 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0015)*

28 21 31 00-0017	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	535.62	33.94
28 21 31 00-0018	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	503.52	33.94
28 21 31 00-0019	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	488.62	33.94
28 21 31 00-0020	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	485.18	33.94

28 21 31 00-0021 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0015)*

28 21 31 00-0022	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	583.77	33.94
28 21 31 00-0023	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	535.62	33.94
28 21 31 00-0024	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	524.16	33.94
28 21 31 00-0025	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	514.99	33.94

28 21 31 00-0026 Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0014)*

28 21 31 00-0027 Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0026)*

28 21 31 00-0028	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	630.77	33.94
28 21 31 00-0029	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	568.87	33.94
28 21 31 00-0030	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	518.43	33.94
28 21 31 00-0031	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	497.79	33.94
28 21 31 00-0032	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	574.60	33.94

28 21 31 00-0033 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0026)*

28 21 31 00-0034	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	681.21	33.94
28 21 31 00-0035	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	638.80	33.94
28 21 31 00-0036	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	566.57	33.94
28 21 31 00-0037	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	505.81	33.94
28 21 31 00-0038	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	598.67	33.94
28 21 31 00-0039	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	676.63	33.94
28 21 31 00-0040	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	776.37	33.94

28 21 31 00-0041 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0026)*

28 21 31 00-0042	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	532.18	33.94
28 21 31 00-0043	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	636.50	33.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0044		High Resolution Day/Night, Camerapaks *(28 21 31 00-0013)*		
28 21 31 00-0045		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0044)*		
28 21 31 00-0046		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0045)*		
28 21 31 00-0047	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,076.72	33.94
28 21 31 00-0048	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	1,004.50	33.94
28 21 31 00-0049	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	943.74	33.94
28 21 31 00-0050	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,036.60	33.94
28 21 31 00-0051	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,114.55	33.94
28 21 31 00-0052	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,213.14	33.94
28 21 31 00-0053		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0045)*		
28 21 31 00-0054	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	970.11	33.94
28 21 31 00-0055	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,074.43	33.94
28 21 31 00-0056		Compact Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0057		High Resolution Color, Compact Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0057)*		
28 21 31 00-0059		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0058)*		
28 21 31 00-0060		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0059)*		
28 21 31 00-0061	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	834.83	33.94
28 21 31 00-0062	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	802.73	33.94
28 21 31 00-0063	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	786.68	33.94
28 21 31 00-0064	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	783.24	33.94
28 21 31 00-0065		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0059)*		
28 21 31 00-0066	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	881.83	33.94
28 21 31 00-0067	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	834.83	33.94
28 21 31 00-0068	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	823.37	33.94
28 21 31 00-0069	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	814.20	33.94
28 21 31 00-0070		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0058)*		
28 21 31 00-0071		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0070)*		
28 21 31 00-0072	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	929.98	33.94
28 21 31 00-0073	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	866.93	33.94
28 21 31 00-0074	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	817.64	33.94
28 21 31 00-0075	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	797.00	33.94
28 21 31 00-0076	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	872.66	33.94
28 21 31 00-0077	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	921.96	33.94
28 21 31 00-0078	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,038.89	33.94
28 21 31 00-0079		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0070)*		
28 21 31 00-0080	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	979.28	33.94
28 21 31 00-0081	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	938.01	33.94
28 21 31 00-0082	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	865.78	33.94
28 21 31 00-0083	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	803.88	33.94
28 21 31 00-0084	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	897.88	33.94
28 21 31 00-0085	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	975.84	33.94
28 21 31 00-0086	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,074.43	33.94
28 21 31 00-0087		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0070)*		
28 21 31 00-0088	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	831.39	33.94
28 21 31 00-0089	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	935.71	33.94
28 21 31 00-0090		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0057)*		
28 21 31 00-0091		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0090)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0092		**Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0091)*		
28 21 31 00-0093	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	834.83	33.94
28 21 31 00-0094	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	623.89	33.94
28 21 31 00-0095	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	607.84	33.94
28 21 31 00-0096	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	604.41	33.94
28 21 31 00-0097		**Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0091)*		
28 21 31 00-0098	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	703.00	33.94
28 21 31 00-0099	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	655.99	33.94
28 21 31 00-0100	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	644.53	33.94
28 21 31 00-0101	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	644.53	33.94
28 21 31 00-0102		**Varifocal, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0090)*		
28 21 31 00-0103		**Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0102)*		
28 21 31 00-0104	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	751.14	33.94
28 21 31 00-0105	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	688.09	33.94
28 21 31 00-0106	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	638.80	33.94
28 21 31 00-0107	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	618.16	33.94
28 21 31 00-0108	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	693.82	33.94
28 21 31 00-0109	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	743.12	33.94
28 21 31 00-0110	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	860.05	33.94
28 21 31 00-0111		**Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0102)*		
28 21 31 00-0112	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	800.44	33.94
28 21 31 00-0113	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	759.17	33.94
28 21 31 00-0114	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	685.80	33.94
28 21 31 00-0115	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	625.04	33.94
28 21 31 00-0116	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	719.05	33.94
28 21 31 00-0117	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	797.00	33.94
28 21 31 00-0118	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	895.59	33.94
28 21 31 00-0119		**Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks** *(28 21 31 00-0102)*		
28 21 31 00-0120	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	652.55	33.94
28 21 31 00-0121	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	756.88	33.94
28 21 31 00-0122		**High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0056)*		
28 21 31 00-0123		**Fixed Focus, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0122)*		
28 21 31 00-0124		**Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0123)*		
28 21 31 00-0125	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	770.63	33.94
28 21 31 00-0126		**DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0123)*		
28 21 31 00-0127	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	869.22	33.94
28 21 31 00-0128	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	821.07	33.94
28 21 31 00-0129		**Varifocal, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0122)*		
28 21 31 00-0130		**Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0129)*		
28 21 31 00-0131	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	803.88	33.94
28 21 31 00-0132	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	783.24	33.94
28 21 31 00-0133	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	909.35	33.94
28 21 31 00-0134		**Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0129)*		
28 21 31 00-0135	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	924.25	33.94
28 21 31 00-0136	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	852.03	33.94
28 21 31 00-0137	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	791.27	33.94
28 21 31 00-0138	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	884.13	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0139	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	962.08	33.94
28 21 31 00-0140	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,061.82	33.94
28 21 31 00-0141		**Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks** *(28 21 31 00-0129)*		
28 21 31 00-0142	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	817.64	33.94
28 21 31 00-0143	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	921.96	33.94
28 21 31 00-0144		**Camera Systems** *(28 21 31 00-0005)*		
28 21 31 00-0145		**Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0146		**Spectra®, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0147		**Spectra®, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0146)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0148		**Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0147)*		
28 21 31 00-0149		**Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0148)*		
28 21 31 00-0150	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,420.07	203.66
28 21 31 00-0151	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,890.09	203.66
28 21 31 00-0152	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,101.03	203.66
28 21 31 00-0153	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,678.48	203.66
28 21 31 00-0154		**Color, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0148)*		
28 21 31 00-0155	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,886.99	203.66
28 21 31 00-0156	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,124.30	203.66
28 21 31 00-0157	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,336.38	203.66
28 21 31 00-0158	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,457.90	203.66
28 21 31 00-0159	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,457.90	203.66
28 21 31 00-0160	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,621.84	203.66
28 21 31 00-0161	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,093.01	203.66
28 21 31 00-0162	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,305.09	203.66
28 21 31 00-0163	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,426.61	203.66
28 21 31 00-0164	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,426.61	203.66
28 21 31 00-0165		**Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0148)*		
28 21 31 00-0166	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,209.94	203.66
28 21 31 00-0167	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,681.11	203.66
28 21 31 00-0168	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,893.19	203.66
28 21 31 00-0169	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	5,014.71	203.66
28 21 31 00-0170	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	5,014.71	203.66
28 21 31 00-0171		**Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0148)*		
28 21 31 00-0172	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,824.75	203.66
28 21 31 00-0173	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,063.20	203.66
28 21 31 00-0174	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,274.14	203.66
28 21 31 00-0175	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,395.66	203.66
28 21 31 00-0176	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,395.66	203.66
28 21 31 00-0177	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,596.28	203.66
28 21 31 00-0178	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,971.15	203.66
28 21 31 00-0179	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,182.09	203.66
28 21 31 00-0180	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,303.60	203.66
28 21 31 00-0181	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,303.60	203.66
28 21 31 00-0182		**Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0147)*		
28 21 31 00-0183		**Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0182)*		
28 21 31 00-0184	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,743.35	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,947.41	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,110.20	203.66
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0187	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,640.99	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0188	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,845.04	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	5,008.98	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190		Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0191	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,681.11	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,885.17	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	5,049.10	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,519.13	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0195	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,722.04	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0196	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,885.98	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0197		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0147)*		
28 21 31 00-0198		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0197)*		
28 21 31 00-0199	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,186.33	203.66
28 21 31 00-0200	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	7,024.35	203.66
28 21 31 00-0201		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0147)*		
28 21 31 00-0202		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0201)*		
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,381.56	203.66
28 21 31 00-0204		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0201)*		
28 21 31 00-0205	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,686.84	203.66
28 21 31 00-0206	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,585.62	203.66
28 21 31 00-0207		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0201)*		
28 21 31 00-0208	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,173.72	203.66
28 21 31 00-0209		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0201)*		
28 21 31 00-0210	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,625.74	203.66
28 21 31 00-0211	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,462.61	203.66
28 21 31 00-0212		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0147)*		
28 21 31 00-0213		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0214	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,169.35	203.66
28 21 31 00-0215		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
		Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0216		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0215)*		
28 21 31 00-0217		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0216)*		
28 21 31 00-0218	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,980.66	203.66
28 21 31 00-0219	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,192.74	203.66
28 21 31 00-0220	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,314.26	203.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0221	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,314.26	203.66
28 21 31 00-0222	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,949.37	203.66
28 21 31 00-0223	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,161.45	203.66
28 21 31 00-0224	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,282.97	203.66
28 21 31 00-0225	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,282.97	203.66
28 21 31 00-0226		**Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0216)*		
28 21 31 00-0227	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,537.47	203.66
28 21 31 00-0228	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,749.55	203.66
28 21 31 00-0229	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,871.07	203.66
28 21 31 00-0230	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,871.07	203.66
28 21 31 00-0231		**Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0215)*		
28 21 31 00-0232		**Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0231)*		
28 21 31 00-0233	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,599.71	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,803.77	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,966.56	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,497.35	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0237	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,701.41	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,865.34	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239		**Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0231)*		
28 21 31 00-0240	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,537.47	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,741.53	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,905.46	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,375.49	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0244	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,578.40	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0245	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,742.34	203.66
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0246		**Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0215)*		
28 21 31 00-0247		**Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0246)*		
28 21 31 00-0248	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,543.20	203.66
28 21 31 00-0249	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,441.98	203.66
28 21 31 00-0250		**Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0246)*		
28 21 31 00-0251	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,030.08	203.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0252		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0246)*		
28 21 31 00-0253	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,482.10	203.66
28 21 31 00-0254	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,318.98	203.66
28 21 31 00-0255		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0215)*		
28 21 31 00-0256		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0255)*		
28 21 31 00-0257	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,721.91	203.66
28 21 31 00-0258		Spectra®, Pan/Tilt Dome Drives *(28 21 31 00-0146)* Note: Includes dome drive, camera and lens.		
28 21 31 00-0259	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	2,015.48	169.71
28 21 31 00-0260	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,565.75	169.71
28 21 31 00-0261	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,245.56	169.71
28 21 31 00-0262	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,550.85	169.71
28 21 31 00-0263	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,448.48	169.71
28 21 31 00-0264	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,488.60	169.71
28 21 31 00-0265	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	4,036.58	169.71
28 21 31 00-0266	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,326.62	169.71
28 21 31 00-0267	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,326.62	169.71
28 21 31 00-0268		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 31 00-0146)*		
28 21 31 00-0269	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0270	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0271	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	176.09	16.97
28 21 31 00-0272	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	443.20	16.97
28 21 31 00-0273	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	171.51	16.97
28 21 31 00-0274	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	300.46	16.97
28 21 31 00-0275	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	114.35	10.10
28 21 31 00-0276		Camclosure®, Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0277		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0278		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0277)*		
28 21 31 00-0279		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0278)*		
28 21 31 00-0280	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	814.30	203.66
28 21 31 00-0281	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	883.09	203.66
28 21 31 00-0282	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	980.53	203.66
28 21 31 00-0283	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	980.53	203.66
28 21 31 00-0284		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0278)*		
28 21 31 00-0285	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	993.14	203.66
28 21 31 00-0286	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,082.56	203.66
28 21 31 00-0287	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,082.56	203.66
28 21 31 00-0288		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0278)*		
28 21 31 00-0289	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,137.59	203.66
28 21 31 00-0290	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,358.84	203.66
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,358.84	203.66
28 21 31 00-0292		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0278)*		
28 21 31 00-0293	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,243.06	203.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0294	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,385.21	203.66
28 21 31 00-0295		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0277)*		
28 21 31 00-0296		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0295)*		
28 21 31 00-0297	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	895.19	135.78
28 21 31 00-0298		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0295)*		
28 21 31 00-0299	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	1,024.73	135.78
28 21 31 00-0300		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0295)*		
28 21 31 00-0301	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,127.91	135.78
28 21 31 00-0302		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0295)*		
28 21 31 00-0303	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,179.50	135.78
28 21 31 00-0304		Camclosure® IS Integrated Cameras *(28 21 31 00-0277)*		
28 21 31 00-0305	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	631.52	135.78
28 21 31 00-0306	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	631.52	135.78
28 21 31 00-0307	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	733.55	135.78
28 21 31 00-0308	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	1,009.83	135.78
28 21 31 00-0309	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	1,036.20	135.78
28 21 31 00-0310		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0311		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0310)*		
28 21 31 00-0312		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0313	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	700.81	203.66
28 21 31 00-0314	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	750.10	203.66
28 21 31 00-0315	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	947.28	203.66
28 21 31 00-0316	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	947.28	203.66
28 21 31 00-0317		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0318	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,168.54	203.66
28 21 31 00-0319		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0310)*		
28 21 31 00-0320		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	811.50	135.78
28 21 31 00-0322		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0310)*		
28 21 31 00-0323		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0322)*		
28 21 31 00-0324	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,082.56	203.66
28 21 31 00-0325		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0322)*		
28 21 31 00-0326	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,185.74	203.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0327		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0322)*		
28 21 31 00-0328	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,315.28	203.66
28 21 31 00-0329		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0322)*		
28 21 31 00-0330	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,366.87	203.66
28 21 31 00-0331		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0332		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0331)*		
28 21 31 00-0333		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0332)*		
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,935.48	203.66
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,935.48	203.66
28 21 31 00-0336		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0332)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,077.63	203.66
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,077.63	203.66
28 21 31 00-0339		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0332)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,296.60	203.66
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,296.60	203.66
28 21 31 00-0342		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0332)*		
28 21 31 00-0343	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,451.36	203.66
28 21 31 00-0344	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,451.36	203.66
28 21 31 00-0345		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0276)*		
28 21 31 00-0346	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	41.00	10.18
28 21 31 00-0347	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	41.00	10.18
28 21 31 00-0348	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	54.58	16.97
28 21 31 00-0349	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	86.67	16.97
28 21 31 00-0350	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	89.14	10.18
28 21 31 00-0351	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	86.67	16.97
28 21 31 00-0352	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	109.60	16.97
28 21 31 00-0353	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	292.58	33.94
28 21 31 00-0354	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	292.58	33.94
28 21 31 00-0355	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	292.58	33.94
28 21 31 00-0356	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	292.58	33.94
28 21 31 00-0357	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	103.87	16.97
28 21 31 00-0358	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	119.48	33.94
28 21 31 00-0359	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	119.48	33.94
28 21 31 00-0360	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	119.48	33.94
28 21 31 00-0361	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	119.48	33.94
28 21 31 00-0362	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	119.48	33.94
28 21 31 00-0363	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	119.48	33.94
28 21 31 00-0364	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	347.08	46.36
28 21 31 00-0365	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	74.06	16.97
28 21 31 00-0366	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	125.65	16.97
28 21 31 00-0367	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	74.06	16.97
28 21 31 00-0368	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	125.65	16.97
28 21 31 00-0369	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,805.94	203.66
28 21 31 00-0370		Pan/Tilt Camera Systems *(28 21 31 00-0144)*		
28 21 31 00-0371		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		

Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0372		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0371)*		
28 21 31 00-0373		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0372)*		
28 21 31 00-0374	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	5,096.85	305.49
28 21 31 00-0375	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,785.84	305.49
28 21 31 00-0376	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,740.79	305.49
28 21 31 00-0377	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,244.74	305.49
28 21 31 00-0378	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,964.68	305.49
28 21 31 00-0379	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,919.63	305.49
28 21 31 00-0380		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0372)*		
28 21 31 00-0381	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,143.86	305.49
28 21 31 00-0382	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,832.84	305.49
28 21 31 00-0383	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,787.79	305.49
28 21 31 00-0384	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,292.89	305.49
28 21 31 00-0385	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	6,011.68	305.49
28 21 31 00-0386	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,966.63	305.49
28 21 31 00-0387		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0388		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0387)*		
28 21 31 00-0389		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0388)*		
28 21 31 00-0390	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,275.69	305.49
28 21 31 00-0391	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,964.68	305.49
28 21 31 00-0392	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,919.63	305.49
28 21 31 00-0393	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,423.58	305.49
28 21 31 00-0394	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	6,143.52	305.49
28 21 31 00-0395	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	7,098.47	305.49
28 21 31 00-0396		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0388)*		
28 21 31 00-0397	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,322.69	305.49
28 21 31 00-0398	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	6,011.68	305.49
28 21 31 00-0399	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,966.63	305.49
28 21 31 00-0400	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,471.73	305.49
28 21 31 00-0401	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,190.52	305.49
28 21 31 00-0402	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	7,145.47	305.49
28 21 31 00-0403		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0404		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0403)*		
28 21 31 00-0405		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0404)*		
28 21 31 00-0406	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,976.48	305.49
28 21 31 00-0407	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,665.47	305.49
28 21 31 00-0408	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,620.42	305.49
28 21 31 00-0409	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	5,125.51	305.49
28 21 31 00-0410	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,844.31	305.49
28 21 31 00-0411	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,799.26	305.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0412		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0404)*		
28 21 31 00-0413	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,024.63	305.49
28 21 31 00-0414	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,712.47	305.49
28 21 31 00-0415	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,668.57	305.49
28 21 31 00-0416	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	5,057.88	305.49
28 21 31 00-0417	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,172.52	305.49
28 21 31 00-0418	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,891.31	305.49
28 21 31 00-0419	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,847.41	305.49
28 21 31 00-0420		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0421		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0420)*		
28 21 31 00-0422		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0421)*		
28 21 31 00-0423	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,950.92	305.49
28 21 31 00-0424	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,905.87	305.49
28 21 31 00-0425	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,410.97	305.49
28 21 31 00-0426	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	6,129.76	305.49
28 21 31 00-0427	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	7,084.71	305.49
28 21 31 00-0428		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0421)*		
28 21 31 00-0429	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,310.08	305.49
28 21 31 00-0430	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,997.92	305.49
28 21 31 00-0431	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,954.02	305.49
28 21 31 00-0432	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,457.97	305.49
28 21 31 00-0433	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,176.76	305.49
28 21 31 00-0434	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	7,132.86	305.49
28 21 31 00-0435		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0436		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0435)*		
28 21 31 00-0437		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0436)*		
28 21 31 00-0438	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	7,058.34	305.49
28 21 31 00-0439	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,562.29	305.49
28 21 31 00-0440	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,237.18	305.49
28 21 31 00-0441		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0436)*		
28 21 31 00-0442	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,461.41	305.49
28 21 31 00-0443	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	7,106.49	305.49
28 21 31 00-0444	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,610.44	305.49
28 21 31 00-0445	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,329.23	305.49
28 21 31 00-0446	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,285.33	305.49
28 21 31 00-0447		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0448		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0447)*		
28 21 31 00-0449		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0448)*		
28 21 31 00-0450	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,941.75	305.49
28 21 31 00-0451		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0448)*		
28 21 31 00-0452	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,988.75	305.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0453		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0447)*		
28 21 31 00-0454		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0453)*		
28 21 31 00-0455	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	7,058.34	305.49
28 21 31 00-0456	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,824.48	305.49
28 21 31 00-0457	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,758.79	305.49
28 21 31 00-0458		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0453)*		
28 21 31 00-0459	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,104.20	305.49
28 21 31 00-0460	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,824.48	305.49
28 21 31 00-0461	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,810.38	305.49
28 21 31 00-0462		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0463		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0462)*		
28 21 31 00-0464		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0463)*		
28 21 31 00-0465	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,567.22	305.49
28 21 31 00-0466	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,684.96	305.49
28 21 31 00-0467	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,454.53	305.49
28 21 31 00-0468	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,182.49	305.49
28 21 31 00-0469		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0463)*		
28 21 31 00-0470	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,613.07	305.49
28 21 31 00-0471	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,731.96	305.49
28 21 31 00-0472	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,501.53	305.49
28 21 31 00-0473	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,234.08	305.49
28 21 31 00-0474		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0475		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0474)*		
28 21 31 00-0476		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0475)*		
28 21 31 00-0477	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,393.65	305.49
28 21 31 00-0478	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,609.65	305.49
28 21 31 00-0479	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,353.66	305.49
28 21 31 00-0480		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0475)*		
28 21 31 00-0481	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,441.80	305.49
28 21 31 00-0482	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,656.65	305.49
28 21 31 00-0483	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,400.66	305.49
28 21 31 00-0484		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0370)*		
28 21 31 00-0485	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	12.86	3.40
28 21 31 00-0486	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	74.06	16.97
28 21 31 00-0487	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	115.33	16.97
28 21 31 00-0488	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	146.29	16.97
28 21 31 00-0489	EA	Ground Isolation Transformer (Pelco GIT100)	427.33	46.36
28 21 31 00-0490	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	590.09	46.36
28 21 31 00-0491	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	511.02	46.36
28 21 31 00-0492	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	682.73	46.36
28 21 31 00-0493	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	396.38	46.36
28 21 31 00-0494	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	972.00	46.36
28 21 31 00-0495	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,589.78	46.36
28 21 31 00-0496	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,888.99	46.36
28 21 31 00-0497	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,956.63	46.36
28 21 31 00-0498	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,063.24	46.36
28 21 31 00-0499	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,460.61	46.37
28 21 31 00-0500	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,489.63	46.36
28 21 31 00-0501	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,517.49	46.36
28 21 31 00-0502	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,459.69	46.36
28 21 31 00-0503	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,638.53	46.36
28 21 31 00-0504	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	115.99	10.92
28 21 31 00-0505	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	115.99	10.92
28 21 31 00-0506		Camera Lenses *(28 21 31 00-0005)*		
28 21 31 00-0507		Fixed Focus Camera Lenses *(28 21 31 00-0506)*		

Note: 1/3" format and manual focus.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0508		**Manual Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0507)*		
28 21 31 00-0509	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	187.53	15.93
28 21 31 00-0510	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	155.43	15.93
28 21 31 00-0511	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	139.38	15.93
28 21 31 00-0512	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	135.94	15.93
28 21 31 00-0513		**Direct Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0507)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0514	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	234.53	15.93
28 21 31 00-0515	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	187.53	15.93
28 21 31 00-0516	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	176.07	15.93
28 21 31 00-0517	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	125.63	15.93
28 21 31 00-0518		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0507)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0519	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	276.95	15.93
28 21 31 00-0520	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	228.80	15.93
28 21 31 00-0521	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	217.34	15.93
28 21 31 00-0522	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	208.17	15.93
28 21 31 00-0523		**Varifocal Camera Lenses** *(28 21 31 00-0506)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0524		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0523)*		
28 21 31 00-0525	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	245.73	15.93
28 21 31 00-0526	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	219.63	15.93
28 21 31 00-0527	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	170.34	15.93
28 21 31 00-0528	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	149.70	15.93
28 21 31 00-0529	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	391.59	15.93
28 21 31 00-0530	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	192.10	15.93
28 21 31 00-0531	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	204.29	15.93
28 21 31 00-0532		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0523)* Note: Includes spot filter.		
28 21 31 00-0533	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	241.67	15.93
28 21 31 00-0534	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	214.04	15.93
28 21 31 00-0535	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	165.29	15.93
28 21 31 00-0536	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	124.66	15.93
28 21 31 00-0537	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	427.13	15.93
28 21 31 00-0538	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	239.23	15.93
28 21 31 00-0539		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0523)* Note: Includes spot filter.		
28 21 31 00-0540	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	374.39	15.93
28 21 31 00-0541	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	331.98	15.93
28 21 31 00-0542	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	199.00	15.93
28 21 31 00-0543	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	369.81	15.93
28 21 31 00-0544		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0523)*		
28 21 31 00-0545	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	143.35	15.93
28 21 31 00-0546	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	212.42	15.93
28 21 31 00-0547		**Motorized Zoom Camera Lenses** *(28 21 31 00-0506)* Note: 1/3" format.		
28 21 31 00-0548		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0547)*		
28 21 31 00-0549	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	680.48	15.93
28 21 31 00-0550	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	850.15	15.93
28 21 31 00-0551	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	906.32	15.93
28 21 31 00-0552		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0547)* Note: Includes spot filter.		
28 21 31 00-0553	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	554.51	15.93
28 21 31 00-0554	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	639.82	15.93
28 21 31 00-0555	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	1,001.48	15.93
28 21 31 00-0556	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,093.23	15.93
28 21 31 00-0557	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,163.38	15.93
28 21 31 00-0558		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0547)* Note: Includes spot filter.		
28 21 31 00-0559	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	697.68	15.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0560	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	830.66	15.93
28 21 31 00-0561	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,043.89	15.93
28 21 31 00-0562	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,519.65	15.93
28 21 31 00-0563	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,474.60	15.93
28 21 31 00-0564		**Camera Power Supplies** *(28 21 31 00-0005)*		
28 21 31 00-0565	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	47.80	13.58
28 21 31 00-0566	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	82.19	13.58
28 21 31 00-0567	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	318.39	27.16
28 21 31 00-0568	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	369.93	40.73
28 21 31 00-0569	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	419.02	54.31
		For Switchable Outputs, Add	*186.24*	
28 21 31 00-0570	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	470.55	67.89
		For Switchable Outputs, Add	*200.86*	
28 21 31 00-0571		**Camera Illuminators** *(28 21 31 00-0005)*		
28 21 31 00-0572		**Camera Illuminators** *(28 21 31 00-0571)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0573	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,810.59	27.16
28 21 31 00-0574	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,810.59	27.16
28 21 31 00-0575	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,810.59	27.16
28 21 31 00-0576		**Camera Illuminator Accessories** *(28 21 31 00-0571)*		
28 21 31 00-0577	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	151.75	27.16
28 21 31 00-0578		**Camera Receivers** *(28 21 31 00-0005)*		
28 21 31 00-0579	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,759.45	46.36
28 21 31 00-0580	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,759.45	46.36
28 21 31 00-0581		**Pan And Tilt Drives** *(28 21 31 00-0005)*		
28 21 31 00-0582	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,250.32	101.83
28 21 31 00-0583	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,585.07	101.83
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,341.36	101.83
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,817.11	101.83
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0586	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,415.53	101.83
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0587	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,688.04	101.83
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0588		**Scanners** *(28 21 31 00-0005)*		
28 21 31 00-0589	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,425.72	101.83
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0590	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,497.95	101.83
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0591		**Camera Monitors** *(28 21 31 00-0004)*		
28 21 31 00-0592		**Camera Monitors** *(28 21 31 00-0591)*		
28 21 31 00-0593		**Monochrome Camera Monitors** *(28 21 31 00-0592)*		
28 21 31 00-0594	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	278.03	20.36
28 21 31 00-0595	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	318.16	20.36
28 21 31 00-0596	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	487.83	20.36
28 21 31 00-0597	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	784.74	20.36
28 21 31 00-0598		**Color Camera Monitors** *(28 21 31 00-0592)*		
28 21 31 00-0599	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	885.63	20.36
28 21 31 00-0600	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	718.25	20.36
28 21 31 00-0601	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,043.83	20.36
28 21 31 00-0602	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,387.75	20.36
28 21 31 00-0603		**LCD Camera Monitors** *(28 21 31 00-0591)*		
28 21 31 00-0604		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0603)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0605	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	1,001.41	20.36
28 21 31 00-0606	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,304.06	20.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0607		Multimode, Color LCD Camera Monitors (Pelco 300 Series) *(28 21 31 00-0603)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0608	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,138.98	20.36
28 21 31 00-0609	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,363.68	20.36
28 21 31 00-0610	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,677.79	20.36
28 21 31 00-0611		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) *(28 21 31 00-0603)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0612	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,462.27	20.36
28 21 31 00-0613	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,696.13	20.36
28 21 31 00-0614	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,128.32	20.36
28 21 31 00-0615		Camera Monitor Mounting Accessories *(28 21 31 00-0591)*		
28 21 31 00-0616		Camera Monitor Mounts *(28 21 31 00-0615)*		
28 21 31 00-0617	EA	Up To 14", Camera Monitor Mount (Pelco)	340.91	27.16
28 21 31 00-0618	EA	>14" To 17", Camera Monitor Mount (Pelco)	397.08	27.16
28 21 31 00-0619	EA	>17" To 21", Camera Monitor Mount (Pelco)	465.87	27.16
28 21 31 00-0620		Camera Monitor Rack Mount Kits *(28 21 31 00-0615)*		
28 21 31 00-0621	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	206.78	27.16
28 21 31 00-0622		Video Transmission Equipment *(28 21 31 00-0004)*		
28 21 31 00-0623		UTP Cable, Video Transmission Equipment *(28 21 31 00-0622)*		
28 21 31 00-0624		UTP Cable, Active Video Receivers *(28 21 31 00-0623)*		
28 21 31 00-0625	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	429.01	33.94
28 21 31 00-0626	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,475.67	33.94
28 21 31 00-0627	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,902.94	33.94
28 21 31 00-0628	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,768.13	33.94
28 21 31 00-0629	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,567.17	33.94
28 21 31 00-0630		UTP Cable, Passive Video Transceivers *(28 21 31 00-0623)*		
28 21 31 00-0631	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	126.36	33.94
28 21 31 00-0632	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	429.01	33.94
28 21 31 00-0633	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	791.27	33.94
28 21 31 00-0634	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,504.33	33.94
28 21 31 00-0635	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,941.91	33.94
28 21 31 00-0636		UTP Cable, Active Video Transmitters *(28 21 31 00-0623)*		
28 21 31 00-0637	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	448.49	33.94
28 21 31 00-0638		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0622)*		
28 21 31 00-0639		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0638)*		
28 21 31 00-0640		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0639)*		
28 21 31 00-0641	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,598.25	67.89
28 21 31 00-0642	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,064.36	67.89
28 21 31 00-0643	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,900.09	67.89
28 21 31 00-0644	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,311.99	67.89
28 21 31 00-0645		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0639)*		
28 21 31 00-0646	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,598.25	67.89
28 21 31 00-0647	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,064.36	67.89
28 21 31 00-0648	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,900.09	67.89
28 21 31 00-0649	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,311.99	67.89
28 21 31 00-0650		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0638)*		
28 21 31 00-0651		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0650)*		
28 21 31 00-0652	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,156.08	67.89
28 21 31 00-0653	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	507.21	67.89
28 21 31 00-0654	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,195.52	67.89
28 21 31 00-0655	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,923.02	67.89
28 21 31 00-0656	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,231.53	67.89
28 21 31 00-0657	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,351.09	67.89
28 21 31 00-0658	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,981.19	67.89
28 21 31 00-0659	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,553.92	67.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0660		**Digitally Encoded Video, Fiber Optics Receivers** *(28 21 31 00-0650)*		
28 21 31 00-0661	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,156.08	67.89
28 21 31 00-0662	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	507.21	67.89
28 21 31 00-0663	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,970.02	67.89
28 21 31 00-0664	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	801.84	67.89
28 21 31 00-0665	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,195.52	67.89
28 21 31 00-0666	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,923.02	67.89
28 21 31 00-0667	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,231.53	67.89
28 21 31 00-0668	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,351.09	67.89
28 21 31 00-0669	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,981.19	67.89
28 21 31 00-0670	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,553.92	67.89
28 21 31 00-0671		**Video And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0638)*		
28 21 31 00-0672		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0671)*		
28 21 31 00-0673	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,989.51	67.89
28 21 31 00-0674	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,188.18	67.89
28 21 31 00-0675	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,625.08	67.89
28 21 31 00-0676	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	4,004.88	67.89
28 21 31 00-0677	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,483.06	67.89
28 21 31 00-0678	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,426.42	67.89
28 21 31 00-0679		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0671)*		
28 21 31 00-0680	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,989.51	67.89
28 21 31 00-0681	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,188.18	67.89
28 21 31 00-0682	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,625.08	67.89
28 21 31 00-0683	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	4,004.88	67.89
28 21 31 00-0684	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,483.06	67.89
28 21 31 00-0685	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,426.42	67.89
28 21 31 00-0686		**Video, Audio And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0638)*		
28 21 31 00-0687		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters** *(28 21 31 00-0686)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,561.56	67.89
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,038.80	67.89
28 21 31 00-0690		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers** *(28 21 31 00-0686)*		
28 21 31 00-0691	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,561.56	67.89
28 21 31 00-0692	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,038.80	67.89
28 21 31 00-0693		**Video Amplifiers** *(28 21 31 00-0622)*		
28 21 31 00-0694		**Video Distribution Amplifiers** *(28 21 31 00-0693)*		
28 21 31 00-0695	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	317.10	16.97
28 21 31 00-0696	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,568.63	16.97
28 21 31 00-0697		**Video Equalizing Amplifiers** *(28 21 31 00-0693)*		
28 21 31 00-0698	EA	Video Equalizing Amplifier (Pelco EA2010)	344.61	16.97
28 21 31 00-0699	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	540.65	16.97
28 21 31 00-0700		**Network Video Equipment** *(28 21 31 00-0004)*		
28 21 31 00-0701		**Video Encoders/Decoders** *(28 21 31 00-0700)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0702	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,277.59	33.94
28 21 31 00-0703	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,277.59	33.94
28 21 31 00-0704	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,470.19	33.94
28 21 31 00-0705	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,470.19	33.94
28 21 31 00-0706		**Network Video Recorders** *(28 21 31 00-0700)*		
28 21 31 00-0707	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,075.75	67.89
28 21 31 00-0708	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,397.55	67.89
28 21 31 00-0709	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,043.44	67.89
28 21 31 00-0710	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,976.01	67.89
28 21 31 00-0711		**Network Video Recorder Software** *(28 21 31 00-0700)*		
28 21 31 00-0712	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0713	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0714	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0715	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0716	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0717	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0718	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0719	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0720	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0721	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,187.73	
28 21 31 00-0723	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,631.39	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,069.10	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,986.77	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,430.43	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,865.85	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,720.81	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,165.61	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,602.18	
28 21 31 00-0731	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,050.63	
28 21 31 00-0732	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,494.29	
28 21 31 00-0733	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,932.00	
28 21 31 00-0734		**Video Recording Equipment** *(28 21 31 00-0004)*		
28 21 31 00-0735		**Digital Video Recorders** *(28 21 31 00-0734)*		
28 21 31 00-0736	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,644.15	67.89
28 21 31 00-0737	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,337.51	67.89
28 21 31 00-0738	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,032.02	67.89
28 21 31 00-0739	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,222.40	67.89
28 21 31 00-0740	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,915.77	67.89
28 21 31 00-0741	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,610.27	67.89
28 21 31 00-0742	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,640.50	67.89
28 21 31 00-0743	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,333.86	67.89
28 21 31 00-0744	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,028.37	67.89
28 21 31 00-0745	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,218.75	67.89
28 21 31 00-0746	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,912.12	67.89
28 21 31 00-0747	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,606.62	67.89
28 21 31 00-0748	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,957.12	67.89
28 21 31 00-0749		**Digital Video Recorder Accessories** *(28 21 31 00-0734)*		
28 21 31 00-0750	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,236.32	33.94
28 21 31 00-0751		**Matrix Systems And Controls** *(28 21 31 00-0004)*		
28 21 31 00-0752		**Video Multiplexers** *(28 21 31 00-0751)*		
28 21 31 00-0753		**Monochrome Duplex, Video Multiplexers** *(28 21 31 00-0752)*		
28 21 31 00-0754	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,329.99	67.89
28 21 31 00-0755	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,202.74	67.89
28 21 31 00-0756		**Color Duplex, Video Multiplexers** *(28 21 31 00-0752)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0757	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,576.80	67.89
28 21 31 00-0758	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,999.49	67.89
28 21 31 00-0759	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,250.55	67.89
28 21 31 00-0760		**Color Simplex, Video Multiplexers** *(28 21 31 00-0752)*		
28 21 31 00-0761	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,522.58	67.89
28 21 31 00-0762	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,944.46	67.89
28 21 31 00-0763		**Video Multiplexer Accessories** *(28 21 31 00-0752)*		
28 21 31 00-0764	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,396.04	46.36
28 21 31 00-0765	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	825.13	46.36
28 21 31 00-0766	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,329.99	67.89
28 21 31 00-0767		**Quad Video Processor** *(28 21 31 00-0751)*		
28 21 31 00-0768	EA	Monochrome, Quad Video Processor (Pelco QD104M)	722.48	33.94
28 21 31 00-0769	EA	Color, Quad Video Processor (Pelco QD104C)	1,181.04	33.94
28 21 31 00-0770		**Switcher** *(28 21 31 00-0751)*		
28 21 31 00-0771		**Terminating Manual Switchers** *(28 21 31 00-0770)*		
28 21 31 00-0772		**Terminating Manual Switchers** *(28 21 31 00-0771)*		
28 21 31 00-0773	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	252.64	27.16
28 21 31 00-0774	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	342.06	27.16
28 21 31 00-0775	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	415.43	27.16
28 21 31 00-0776	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	677.95	27.16
28 21 31 00-0777		**Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0771)*		
28 21 31 00-0778	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	326.01	27.16
28 21 31 00-0779	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	572.48	27.16
28 21 31 00-0780	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	997.80	27.16
28 21 31 00-0781		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0771)*		
28 21 31 00-0782	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	434.91	27.16
28 21 31 00-0783	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	794.88	27.16
28 21 31 00-0784		**Looping Manual Switchers** *(28 21 31 00-0770)*		
28 21 31 00-0785		**Looping Manual Switchers** *(28 21 31 00-0784)*		
28 21 31 00-0786	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	282.44	27.16
28 21 31 00-0787	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	386.77	27.16
28 21 31 00-0788	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	492.23	27.16
28 21 31 00-0789	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	809.79	27.16
28 21 31 00-0790		**Audio Follow, Looping Manual Switchers** *(28 21 31 00-0784)*		
28 21 31 00-0791	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	351.23	27.16
28 21 31 00-0792	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	611.46	27.16
28 21 31 00-0793	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	838.45	27.16
28 21 31 00-0794		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 31 00-0784)*		
28 21 31 00-0795	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	465.87	27.16
28 21 31 00-0796	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	841.89	27.16
28 21 31 00-0797	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,058.56	27.16
28 21 31 00-0798		**Sequential Switchers** *(28 21 31 00-0770)*		
28 21 31 00-0799		**Single Output, Sequential Switchers** *(28 21 31 00-0798)*		
28 21 31 00-0800	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	493.38	27.16
28 21 31 00-0801	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	734.13	27.16
28 21 31 00-0802		**Dual Outputs, Sequential Switchers** *(28 21 31 00-0798)*		
28 21 31 00-0803	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	616.05	27.16
28 21 31 00-0804	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	852.20	27.16
28 21 31 00-0805		**Controls** *(28 21 31 00-0751)*		
28 21 31 00-0806		**Direct/Multi-Cable Controls** *(28 21 31 00-0805)*		
28 21 31 00-0807	EA	Scanner Control Module (Pelco MPS524DT)	429.26	67.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	457.92	67.89
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	507.21	67.89
28 21 31 00-0810	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	530.14	67.89
28 21 31 00-0811	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	832.79	67.89
28 21 31 00-0812	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	916.48	67.89
28 21 31 00-0813		**Coaxitron Controls** *(28 21 31 00-0805)*		
28 21 31 00-0814	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	611.90	46.36
28 21 31 00-0815	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,151.86	46.36
28 21 31 00-0816	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,306.62	46.36
28 21 31 00-0817		**Digital Controls** *(28 21 31 00-0805)*		
28 21 31 00-0818	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	819.40	46.36
28 21 31 00-0819	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,384.57	46.36
28 21 31 00-0820		**Lock Boxes** *(28 21 31 00-0751)*		
28 21 31 00-0821	EA	VCR Lock Box (Pelco LB1000)	501.92	50.91
		For Wall Mount, Add	*165.00*	
28 21 31 00-0822	EA	Computer Disk Drive Lock Box (Pelco LB2000)	513.39	50.91
28 21 31 00-0823	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	937.56	50.91
28 21 31 00-0824		**Test And Certification Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0825	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,076.61	
28 21 31 00-0826	HR	Test And Certification Of Surveillance Camera System	336.44	
28 21 31 00-0827		**Programming Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0828	HR	Programming Of Surveillance Camera (CCTV) System	269.15	
28 21 31 00-0829		**Removal And Reinstallation Of Cameras** *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0830	EA	Removal And Reinstallation Of Camera System	610.99	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm *(28 40)*

28 41 15 Radiation Detection Sensors *(28 41)*

28 41 15 00-0001		**Wall Mount, Battery Operated, Home Radon Detector** *(28 41 15)* Note: Long term and 7 day average display.		
28 41 15 00-0002	EA	Wall Mount, Battery Operated, Home Radon Detector	219.54	

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001		**Monitoring System For Underground Tanks** *(28 42 11)*		
28 42 11 00-0002		**Continuous Leak Detection System** *(28 42 11 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	8,676.56	555.46
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	11,704.81	741.06
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	16,506.44	793.90
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	17,761.32	1,110.92
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	12,333.07	94.83
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	11,121.74	84.67
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	14,621.20	94.83
28 42 11 00-0010	EA	Tank Leak Detection Probe	4,524.00	20.32
28 42 11 00-0011	EA	Secondary Containment Collar Probe	553.47	8.12
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,014.90	16.93
28 42 11 00-0013	EA	Liquid Phase Detection	3,348.26	50.80
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,091.43	50.80
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	3,611.49	57.58
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,125.15	57.58

28 42 15 Gas Detection Sensors *(28 42)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 15 00-0001		**Hydrogen Gas Detection** *(28 42 15)*		
28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,132.85	50.91
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	113.37	16.97
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	544.34	50.91

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0001		**Edwards Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0002		**EST3 Life Safety And Security Control** *(28 46 13 31-0001)*		
28 46 13 31-0003		**EST3 Network** *(28 46 13 31-0002)*		
28 46 13 31-0004		**Remote Annunciators** *(28 46 13 31-0003)*		
28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,726.49	101.83
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,407.92	101.83
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,779.39	101.83
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,136.00	101.83
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	209.77	33.94
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	732.15	101.83
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	866.05	101.83
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	825.27	101.83
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	959.38	67.89
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	146.53	33.94
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	2,043.70	101.83
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,800.85	33.94
28 46 13 31-0017		**Remote Annunciators Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	157.84	33.94
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	144.26	27.16
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	177.80	33.94
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	164.22	27.16
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	196.52	33.94
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	182.94	27.16
28 46 13 31-0024		**Audio And Telephone Masters** *(28 46 13 31-0003)*		
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,616.92	135.78
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,130.78	135.78
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	2,444.94	135.78
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,959.84	135.78
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,379.31	135.78
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	2,422.45	67.89
28 46 13 31-0031		**Battery Distribution Unit** *(28 46 13 31-0003)*		
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	625.85	490.08
28 46 13 31-0033		**Remote Booster Power Supply** *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	980.69	101.83
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,118.94	101.83
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,220.82	101.83
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	161.18	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	123.22	33.94
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	153.25	33.94
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	360.47	33.94
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	165.28	33.94
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	456.66	33.94
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	257.53	33.94
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	925.34	33.94
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	263.73	33.94
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,113.79	33.94
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	147.40	33.94
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	132.39	33.94
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	470.86	67.89
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	389.97	67.89
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,328.31	135.78
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,646.78	135.78
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,307.18	135.78
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	1,266.49	33.94
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	282.99	50.91
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	317.95	50.91
28 46 13 31-0061	EA	Intelligent Multisensor Detector - Photoelectric, Heat (Edwards SIGA-PHD)	218.95	50.91
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector, Duct Mounted (Edwards SIGA-PD)	196.87	50.91
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	251.74	50.91
28 46 13 31-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (Edwards SIGA-HRD)	173.83	50.91
28 46 13 31-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (Edwards SIGA-HFD)	173.83	50.91
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	327.25	50.91
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	361.38	50.91
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	304.90	50.91
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	440.36	50.91
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	254.35	50.91
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	254.35	50.91
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	350.42	50.91
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	572.20	84.86
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	24.90	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	75.40	20.36
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	149.54	27.16
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	202.41	27.16
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	89.21	27.16
28 46 13 31-0080		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	266.43	33.94
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	140.85	33.94
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	191.73	33.94
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	238.56	33.94
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	210.93	33.94
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	221.49	33.94
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	167.73	33.94
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	207.38	33.94
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	277.02	33.94
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	270.03	33.94
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	259.61	33.94
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	238.01	204.06
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	174.18	33.94
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	278.16	33.94
28 46 13 31-0095		**Module Accessories, Signature** *(28 46 13 31-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	68.93	16.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	235.18	33.94
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	25.57	10.18
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	80.98	16.97
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	72.33	16.97
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	75.75	16.97
28 46 13 31-0102		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	292.66	70.60
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	344.91	70.60
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	40.11	33.31
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	50.18	43.38
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	76.88	49.73
28 46 13 31-0108		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	250.02	70.60
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	50.93	6.78
28 46 13 31-0111		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	146.23	16.97
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	54.94	16.97
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	182.49	16.97
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	103.75	16.97
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	121.16	16.97
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	190.82	16.97
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	68.93	16.97
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	25.72	10.18
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	25.72	10.18
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	72.76	10.18
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	119.40	16.97
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	126.86	16.97
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	83.86	16.97
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	106.38	16.97
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	50.26	16.97
28 46 13 31-0127		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	4,028.41	101.83
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,311.39	101.83
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	2,077.02	101.83
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,325.93	101.83
28 46 13 31-0132		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	215.32	33.94
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	64.49	16.97
28 46 13 31-0135		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0136		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0135)*		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	176.30	50.91
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	176.30	50.91
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	200.55	50.91
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	148.97	50.91
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	148.97	50.91
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	148.97	50.91
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	148.97	50.91
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	126.01	50.91
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	126.01	50.91
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	126.01	50.91
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	299.55	50.91
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	299.55	50.91
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	197.60	50.91
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	197.60	50.91
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	176.30	50.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	176.30	50.91
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	176.30	50.91
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	176.30	50.91
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	183.12	50.91
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	183.12	50.91
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	199.07	50.91
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	183.12	50.91
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	183.12	50.91
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	111.08	50.91
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	111.08	50.91
28 46 13 31-0162		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	146.91	50.91
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	223.84	50.91
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	146.91	50.91
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	223.84	50.91
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	73.06	27.16
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	73.06	27.16
28 46 13 31-0169		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	174.81	50.91
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	223.84	50.91
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	239.37	50.91
28 46 13 31-0173		**Harsh Environment Signals** *(28 46 13 31-0135)*		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	155.72	50.91
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	216.95	50.91
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	216.95	50.91
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	198.74	50.91
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	186.64	50.91
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	198.74	50.91
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	198.74	50.91
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	198.74	50.91
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	219.83	57.71
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	219.83	57.71
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	163.10	50.91
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	211.14	50.91
28 46 13 31-0186		**Fire Alarm Bells** *(28 46 13 31-0135)*		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	233.93	50.91
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	188.20	50.91
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	207.72	50.91
28 46 13 31-0190		**Multiple Tone Signal** *(28 46 13 31-0135)*		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,473.96	1,423.04
28 46 13 31-0192		**Multi-Purpose Loudspeaker** *(28 46 13 31-0135)*		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	306.87	50.91
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	306.87	50.91
28 46 13 31-0195		**Bell/Strobe Plate** *(28 46 13 31-0135)*		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	155.37	27.16
28 46 13 31-0197		**Mounting Accessories** *(28 46 13 31-0135)*		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	74.47	27.16
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	74.47	27.16
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	74.47	27.16
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	74.47	27.16
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	74.47	27.16
28 46 13 31-0203		**Firefighters' Telephones** *(28 46 13 31-0135)*		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,323.88	84.86
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	746.81	84.86
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	538.99	84.86
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	394.12	84.86
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	720.94	84.86
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	445.82	84.86
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	812.52	84.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	463.06	84.86
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	929.80	84.86
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	102.67	27.16
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	117.67	27.16
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	162.82	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	162.82	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	247.93	33.94
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	307.65	33.94
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	218.07	33.94
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	209.29	33.94
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	156.39	50.91
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,365.34	67.89
28 46 13 31-0223		Mass Notification EC Appliances *(28 46 13 31-0135)*		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	183.17	50.91
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	176.97	50.91
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	183.17	50.91
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	176.97	50.91
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	27.77	10.18
28 46 13 31-0229		Hazardous Location Devices *(28 46 13 31-0002)*		
28 46 13 31-0230		Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location *(28 46 13 31-0229)*		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	158.12	50.91
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	158.12	50.91
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	164.19	50.91
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	164.19	50.91
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	220.25	50.91
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	220.25	50.91
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	164.19	50.91
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	164.19	50.91
28 46 13 31-0239		Hazardous Locations Fire Alarm Station *(28 46 13 31-0229)*		
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,402.12	84.86
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,335.16	84.86
28 46 13 31-0242		Hazardous Location Strobes *(28 46 13 31-0229)*		
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,077.69	50.91
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	388.39	16.97
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	507.97	20.36
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	373.21	20.36
28 46 13 31-0247		Hazardous Location Bells *(28 46 13 31-0229)*		
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,500.49	50.91
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,539.25	50.91
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,553.22	50.91
28 46 13 31-0251		Hazardous Location Horns *(28 46 13 31-0229)*		
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,467.09	50.91
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,198.86	50.91
28 46 13 31-0254		Door Holders And Relays *(28 46 13 31-0002)*		
28 46 13 31-0255		Electromagnetic Door Holders *(28 46 13 31-0254)*		
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	265.88	50.91
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	343.67	50.91
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	226.15	50.91
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	226.15	50.91
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	229.74	50.91
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	233.17	50.91
28 46 13 31-0262		Control Relays, Multi-Voltage *(28 46 13 31-0254)*		
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	53.74	10.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0264		FireShield Plus *(28 46 13 31-0002)*		
28 46 13 31-0265		3 Zone System *(28 46 13 31-0264)*		
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,450.11	407.33
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,109.16	543.10
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,450.11	407.33
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	2,109.16	543.10
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	100.97	16.97
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	100.97	16.97
28 46 13 31-0272		5 Zone System *(28 46 13 31-0264)*		
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,558.61	407.33
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,211.45	543.10
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,558.61	407.33
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,211.45	543.10
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	100.97	16.97
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	100.97	16.97
28 46 13 31-0279		10 Zone System *(28 46 13 31-0264)*		
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,248.65	543.10
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,907.69	678.87
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,202.16	543.10
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,907.69	678.87
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	117.76	16.97
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	215.49	33.94
28 46 13 31-0286		FireShield Plus Off Premise Communication Options *(28 46 13 31-0264)*		
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	470.87	33.94
28 46 13 31-0288		FireShield Plus Remote LED Annunciators *(28 46 13 31-0264)*		
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	202.41	50.91
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	202.41	50.91
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	210.33	50.91
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	40.52	10.18
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	50.64	10.18
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	74.94	10.18
28 46 13 31-0295		FireShield Plus Remote 10 Zone LED Annunciators *(28 46 13 31-0264)*		
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	628.81	50.91
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	690.81	50.91
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	222.88	33.94
28 46 13 31-0299		FireShield Plus Remote Relays And Interfaces *(28 46 13 31-0264)*		
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	235.53	33.94
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	97.84	20.36
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	374.78	33.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0303		**FireShield Plus Accessories** *(28 46 13 31-0264)*		
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	22.03	
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	13.55	
28 46 13 31-0306		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0307		**Intelligent Analog Control Panels** *(28 46 13 31-0306)*		
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,352.23	678.87
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,652.92	678.87
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,474.34	543.10
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,613.83	543.10
28 46 13 31-0312		**Option Modules And Accessories For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	411.82	50.91
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	256.82	50.91
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	256.82	50.91
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	222.88	33.94
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	457.29	27.16
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	829.28	27.16
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	99.04	16.97
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	114.54	16.97
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,530.72	67.89
28 46 13 31-0322		**Remote Annunciators For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	838.04	50.91
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	876.80	50.91
28 46 13 31-0325		**Remote Annunciator Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	95.94	16.97
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	64.94	16.97
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	88.18	16.97
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	256.82	50.91
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	295.56	50.91
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	334.32	50.91
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	64.94	16.97
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	64.94	16.97
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	132.66	16.97
28 46 13 31-0335		**System Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	470.86	67.89
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	2,143.88	543.10
28 46 13 31-0338		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0339		**Detectors, Heat, Double Pole** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	185.35	50.91
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	185.35	50.91
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	185.35	50.91
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	185.35	50.91
28 46 13 31-0344		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0338)*		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	114.36	50.91
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	307.68	27.16
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	98.10	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0348		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	173.43	50.91
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	173.43	50.91
28 46 13 31-0351		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0352		**Audio Notification Panels** *(28 46 13 31-0351)*		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,961.06	678.87
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,961.06	678.87
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,457.63	678.87
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,457.63	678.87
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,201.59	678.87
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,201.59	678.87
28 46 13 31-0359		**Audio Notification Expander Panels** *(28 46 13 31-0351)*		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,581.62	678.87
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,581.62	678.87
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,124.68	678.87
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	3,124.68	678.87
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,977.14	678.87
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,977.14	678.87
28 46 13 31-0366		**Audio Notification Output Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	173.43	16.97
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	765.36	33.94
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	765.36	33.94
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	548.37	33.94
28 46 13 31-0371		**Audio Notification Remote Microphone** *(28 46 13 31-0351)*		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	207.38	33.94
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	842.86	33.94
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	842.86	33.94
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	188.93	16.97
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	103.67	16.97
28 46 13 31-0377		**Audio Notification Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	346.88	33.94
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	346.88	33.94
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	346.88	33.94
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	765.36	33.94
28 46 13 31-0382		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0351)*		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,786.17	67.89
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,925.67	67.89
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	4,041.62	67.89
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,530.72	67.89
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,530.72	67.89
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,786.17	67.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,228.20	67.89
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,367.69	67.89
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,483.64	67.89
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	173.43	16.97
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	128.55	16.97
28 46 13 31-0394		**EST4 Life Safety And Security Control** *(28 46 13 31-0001)*		
28 46 13 31-0395		**Audio Units And Interfaces** *(28 46 13 31-0394)*		
28 46 13 31-0396	EA	Annunciator, Audio And Telephone Interface Module (EST4 4-ANNAUDTEL)	356.99	101.83
28 46 13 31-0397	EA	Audio And Telephone Interface/Riser Module (EST4 4-AUDTELS)	681.23	33.94
28 46 13 31-0398	EA	Firefighter Master Handset (EST4 4-FT)	675.71	84.86
28 46 13 31-0399	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	625.36	101.83
28 46 13 31-0400	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	696.75	101.83
28 46 13 31-0401	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	752.00	101.83
28 46 13 31-0402	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate (EST4 4-LCDAUDTELCAB-MPLT) Note: For CAB7, CAB14, CAB21, 4-16ANNMT and 4-24ANNMT applications	880.48	101.83
28 46 13 31-0403	EA	Paging Microphone (EST4 4-MIC)	708.38	33.94
28 46 13 31-0404		**Cabinets And Chassis** *(28 46 13 31-0394)*		
28 46 13 31-0405	EA	Battery Shelf For RCCxx Series Cabinets (EST4 3-BATS) Note: Takes one chassis space in a RCC cabinet. Provides space for up to one 65AH battery.	61.92	10.73
28 46 13 31-0406	EA	Battery Distribution Module (EST4 3-BTSEN)	502.31	135.78
28 46 13 31-0407	EA	Wallbox With 2 Chassis Spaces (EST4 3-CAB14B)	638.24	50.91
28 46 13 31-0408	EA	Wallbox With 3 Chassis Spaces (EST4 3-CAB21B)	779.92	50.91
28 46 13 31-0409	EA	Backbox, Black (EST4 3-CAB5B) Note: Supports five Local Rail Modules.	308.83	50.91
28 46 13 31-0410	EA	Wallbox With 1 Chassis Space (EST4 3-CAB7B)	435.86	50.91
28 46 13 31-0411	EA	3-CAB - Seismic Battery Hold Down For 3-CAB 7, 14 Or 21 (EST4 3-CABEQ) Note: Supports two 12V batteries from 10 Amp hrs up to 18 Ahrs. Comes with EST3 Chassis hardening hardware and instructions	326.99	13.58
28 46 13 31-0412	EA	Chassis Assembly (EST4 3-CHAS7) Note: Fits in any Lobby or Remote Closet Cabinet except CAB5 Series. Provides space for up to seven LRMs. Rear space for up to two power supplies.	486.42	50.91
28 46 13 31-0413	EA	Remote Closet Enclosure, Red (EST4 3-RCC14R)	1,167.18	135.78
28 46 13 31-0414	EA	Remote Closet Enclosure, Red (EST4 3-RCC21R)	1,597.25	135.78
28 46 13 31-0415	EA	Remote Closet Enclosure, Red (EST4 3-RCC7R)	959.77	135.78
28 46 13 31-0416	EA	3-RCC Series Cabinet, Seismic Battery Hold Down For 3-RCC1XXR Series (EST4 3-RCCEQ50) Note: Supports one set of 50 Amp hr (two batteries). Order 3-RCC14R or 3-RCC21R separately.	484.83	169.71
28 46 13 31-0417	EA	3-RCC Series Cabinet, Seismic Battery Hold Down (EST4 3-RCCEQ65) Note: Supports one set of 65 Ahr (two batteries) batteries (one battery in bottom of cabinet, one battery mounted on 3-BATS. Order 3-RCCxxR cabinet and 3-BATS separately.	939.04	169.71
28 46 13 31-0418	EA	Tamper Switch For CAB5 Series Cabinets (EST4 3-TAMP5)	128.68	33.94
28 46 13 31-0419	EA	Tamper Switch For 3-RCC Cabinets (EST4 3-TAMPRCC)	128.68	33.94
28 46 13 31-0420	EA	Mounting Bracket (EST4 4-BRKT-CB) Note: Provides space for mounting any one of 4-ANNCPU, 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. Mounts on the back plane of a 3-CHAS7 or on the back plane of a 3-ASU chassis in retrofit applications.	90.90	16.97
28 46 13 31-0421	EA	Mounting Bracket (EST4 4-BRKT-CS) Note: Provides space for mounting any one of 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. The bracket mounts to the side of a 3-CHAS7.	90.90	16.97
28 46 13 31-0422	EA	Door Assembly, Bronze (EST4 4-CAB16D) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	597.85	10.18
28 46 13 31-0423	EA	Door Assembly, Red (EST4 4-CAB16DR) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	597.85	10.18
28 46 13 31-0424	EA	Door Assembly, Bronze (EST4 4-CAB24D) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	738.45	10.18
28 46 13 31-0425	EA	Door Assembly, Bronze (EST4 4-CAB24DL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	843.93	10.18
28 46 13 31-0426	EA	Door Assembly, Red (EST4 4-CAB24DR) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	739.34	10.18
28 46 13 31-0427	EA	Door Assembly, Red (EST4 4-CAB24DRL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	843.93	10.18
28 46 13 31-0428	EA	Door Assembly, Bronze (EST4 4-CAB8D) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	420.71	10.18
28 46 13 31-0429	EA	Door Assembly, Red (EST4 4-CAB8DR) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	420.71	10.18
28 46 13 31-0430	EA	Replacement Hinge Assembly For CAB21 (EST4 4-HNG21)	82.31	
28 46 13 31-0431	EA	Replacement Hinge Assembly For CAB7 Or 14 (EST4 4-HNG714)	82.31	
28 46 13 31-0432	EA	Replacement Door Lock And Two Keys (EST4 4-LOCK2KEY)	170.28	
28 46 13 31-0433	EA	Mounting Plate (EST4 4-MPLT) Note: Mounts in chassis or battery space	225.42	16.97
28 46 13 31-0434	EA	Tamper Switch For 3-CAB7B, 3-CAB14B And 3-CAB21B Cabinets With 4-CABXXD Series Doors (EST4 4-TAMP) Note: Mounts to side of cabinet.	120.38	33.94
28 46 13 31-0435	EA	Battery Cabinet, Black Backbox, Bronze Door (EST4 BC-1) Note: Supports up to 40AH batteries	330.95	67.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0436	EA	Seismic Battery Hold Down For BC-1 (EST4 BC-1EQ) Note: Supports up to two 40 Ahr batteries. Order BC-1 or BC-1R Separately.	165.97	13.58
28 46 13 31-0437	EA	Battery Cabinet, Black Backbox, Red Door (EST4 BC-1R) Note: Supports up to 40AH batteries.	330.95	67.89
28 46 13 31-0438	EA	8" x 14 x 3-1/2" Multi-Function Enclosure, Red (EST4 MFC-A)	227.14	67.89
28 46 13 31-0439		**Central Processing Unit** *(28 46 13 31-0394)*		
28 46 13 31-0440	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	727.84	101.83
28 46 13 31-0441	EA	Cable (EST4 4-CABL0542) Note: Interconnects the 4-CPU to the inner door rail when no 4-LCD display is installed in the cabinet.	135.47	16.97
28 46 13 31-0442	EA	Cable, USB 3.0 A-B, Male, Long (EST4 4-CABLUSBLG)	83.54	16.97
28 46 13 31-0443	EA	Common Relay Module (EST4 4-COMREL)	86.76	16.97
28 46 13 31-0444	EA	Central Processor Module (EST4 4-CPU)	1,353.67	101.83
28 46 13 31-0445	EA	EST4 Software License, 1 Seat (EST4 4-CUSWL)	657.30	
28 46 13 31-0446		**Control Display Modules** *(28 46 13 31-0394)*		
28 46 13 31-0447	EA	Control Display Module With 24 Indicators (EST4 4-24L)	483.28	101.83
28 46 13 31-0448	EA	Control Display Module With 24 Indicators And 12 Switches (EST4 4-24L12S)	588.11	101.83
28 46 13 31-0449	EA	Control Display Module With 24 Indicators And 18 Switches (EST4 4-24L18S)	588.11	101.83
28 46 13 31-0450	EA	Control Display Module With 24 Indicators And 24 Switches (EST4 4-24L24S)	603.00	101.83
28 46 13 31-0451	EA	Blank Filler Plate (EST4 4-FIL)	36.87	16.97
28 46 13 31-0452		**Liquid Crystal Display (LCD) Modules** *(28 46 13 31-0394)*		
28 46 13 31-0453	EA	LCD Display For EST3 Panels (EST4 4-3LCD) Note: Allows reuse of EST3 UI layer in retrofit applications. The 4-3LCD can be mounted in remote closet cabinets where an LCD display is needed. The display mounts on the 4-CPU module.	893.67	101.83
28 46 13 31-0454	EA	LCD With Cable For Annunciator Enclosure 4-4ANN, 4-6ANN Mounting (EST4 4-LCDANN)	885.81	101.83
28 46 13 31-0455	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	625.36	101.83
28 46 13 31-0456	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	696.75	101.83
28 46 13 31-0457	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	752.00	101.83
28 46 13 31-0458	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate For CAB7, CAB14, CAB21, 4-16ANNMT And 4-24ANNMT Applications (EST4 4-LCDAUDTELCAB-MPLT)	880.48	101.83
28 46 13 31-0459	EA	LCD With Cable For 3-CAB5B, 7B, 14B, 21B, 4-8ANN, 16ANN And 24ANN Mounting (EST4 4-LCDLE)	883.80	101.83
28 46 13 31-0460		**Network Accessories** *(28 46 13 31-0394)*		
28 46 13 31-0461	EA	Firewall (EST4 4-FWAL1) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	460.11	
28 46 13 31-0462	EA	Firewall W/DACT (EST4 4-FWAL2) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	544.34	
28 46 13 31-0463	EA	Firewall W/EMAIL (EST4 4-FWAL3) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	521.34	
28 46 13 31-0464	EA	Firewall W/DACT/ EMAIL/DIAG (EST4 4-FWAL4) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	1,510.35	
28 46 13 31-0465	EA	SFP Network Firewall Adapter, CAT5 UTP Copper, 100Base-TX, 100 Mbps (EST4 4-FWAL-CAT)	326.93	33.94
28 46 13 31-0466	EA	SFP Network Firewall Adapter, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-FWAL-MM)	426.52	33.94
28 46 13 31-0467	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-FWAL-SM)	1,042.55	33.94
28 46 13 31-0468	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-FWAL-SMD) Note: Works with 4-FWAL-SMU	1,260.46	33.94
28 46 13 31-0469	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-FWAL-SMH)	1,359.43	33.94
28 46 13 31-0470	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-FWAL-SMU) Note: Works with 4-FWAL-SMD	1,260.46	33.94
28 46 13 31-0471	EA	Network Adder Module (EST4 4-NET-AD)	633.59	33.94
28 46 13 31-0472	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	499.54	101.83
28 46 13 31-0473	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	625.58	101.83
28 46 13 31-0474	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,350.33	101.83
28 46 13 31-0475	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,606.67	101.83
28 46 13 31-0476	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,723.12	101.83
28 46 13 31-0477	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx Note: Works with 4-NET-SMD	1,606.67	101.83
28 46 13 31-0478	EA	SFP Network Controller, 2Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	499.54	101.83
28 46 13 31-0479	EA	SFP Network Controller, 0.3Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	710.65	101.83
28 46 13 31-0480	EA	Network Extender Module (EST4 4-NET-XT) Note: Mounts to DIN rail on 4-MPLT ordered separately	2,214.57	33.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0481	EA	4-USBHUB Multi-port USB Hub Module (EST4 4-USBHUB) Note: Mounts in a ½ footprint module space and provides isolated RS-232 USB and terminal block connections for RS-232 to CDR connections.	527.89	33.94
28 46 13 31-0482	EA	Coder, PSNI (EST4 CDR-3) Note: Positive, non-interfering, successive and march time codes PSNI code out (relay & tone outputs). March time out (relay & tone outputs). Connects to RS-232 serial port. Requires 1/2 size cabinet footprint and 24 VDC power.	612.48	33.94
28 46 13 31-0483	EA	Field Server Bridge Bracket For FSB-PC2 Or FSB-PCLW (EST4 FSB-BRKT2)	88.36	16.97
28 46 13 31-0484	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4) Note: Mounts on FSB-BRKT2, ordered separately.	2,300.92	33.94
28 46 13 31-0485	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4LW) Note: Mounts on FSB-BRKT2, ordered separately.	2,300.92	33.94
28 46 13 31-0486	EA	Ground Fault Detection Module (EST4 GFD) Note: One required for every two 3-NSHM1/2s.	337.57	16.97
28 46 13 31-0487	EA	Isolator Module, RS232 (EST4 IOP3A) Note: For use with short haul modems, VDU-3, CCA Series, CGP Series and FCOM-232, requires 1/2 size cabinet footprint.	1,721.63	543.10
28 46 13 31-0488	EA	MN-FVPN, MN-ABPM, MN-PASM2, MN-COM1S, MN-NETRLY4 And/Or MN-FNS(4)(8) Series Switch Mounting Bracket For EST3 Enclosures (EST4 MN-BRKT1F)	263.46	16.97
28 46 13 31-0489	EA	24 VDC, 4 Fast Ethernet (RJ45), 2 GB SFP, Layer 3 Lite (EST4 MN-FNS4C2F3)	2,963.04	135.78
28 46 13 31-0490	EA	MN-FNS4 Series Switch Holder Bracket (EST4 MN-FNS4HDK1) Note: Used with MN-BRKT Series. One required per switch.	132.50	16.97
28 46 13 31-0491	EA	Desk Top Style, System Printer (EST4 PT-1S)	1,103.18	33.94
28 46 13 31-0492		**Power Supplies** *(28 46 13 31-0394)*		
28 46 13 31-0493	EA	Primary Power Supply With Local Rail Module 120-240V 50/60 Hz (EST4 4-PPS/M)	1,083.11	16.97
28 46 13 31-0494		**Remote Annunciators** *(28 46 13 31-0394)*		
28 46 13 31-0495	EA	LED/SWITCH Driver Module Assembly (EST4 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	740.07	101.83
28 46 13 31-0496	EA	Plastic Mounting Extrusion (EST4 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	131.74	33.94
28 46 13 31-0497	EA	Power Supply Assembly (EST4 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	616.60	101.83
28 46 13 31-0498	EA	16 Slots (2 rows of 8), Bronze Annunciator (EST4 4-16ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-16ANNMT (Surface mount) or 3-CAB7B (semi-flush mount), required network Controllers 4-NET-XX series, end user interfaces and required filler plates separately.	1,285.14	101.83
28 46 13 31-0499	EA	Surface Mount Wall Box Assembly For Eight Wide By Two High Annunciators (16 spaces) (EST4 4-16ANNMT)	337.99	27.16
28 46 13 31-0500	EA	24 slots (3 rows of 8), Bronze Annunciator (EST4 4-24ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall mounting assembly 4-24ANNMT, required network Controllers 4-NET-XX series, and End User interfaces and required filler plates separately.	1,380.37	101.83
28 46 13 31-0501	EA	Surface Mount Wallbox Assembly For Eight Wide By Three High Annunciator (24 spaces) (EST4 4-24ANNMT)	449.90	27.16
28 46 13 31-0502	EA	LCD Annunciator (EST4 4-2ANN) Note: Comes with 4-LCDANN color touchscreen display, 4-ANNCPU, bronze outer door and black inner door. Order wallbox assembly model 4-2ANNMT and required network Controllers 4-NET-XX separately	1,573.70	101.83
28 46 13 31-0503	EA	Mounting Assembly For 4-2ANN, Two Wide Annunciator (EST4 4-2ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	189.81	50.91
28 46 13 31-0504	EA	Bronze Annunciator (EST4 4-4ANN) Note: Supports 4 slots (1 row of 4). Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-4ANNMT, required network controllers 4-NET-XX series, any user interfaces and filler plates separately.	915.29	101.83
28 46 13 31-0505	EA	Mounting Assembly For 4-4ANN, Four Wide annunciator (EST4 4-4ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	265.26	50.91
28 46 13 31-0506	EA	Bronze Annunciator, 6 Slots (1 row of 6) (EST4 4-6ANN) Note: Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-6ANNMT, required network Controllers 4-NET-XX series, any user interfaces and required filler plates separately.	952.06	101.83
28 46 13 31-0507	EA	Mounting Assembly For 4-6ANN, Six Wide Annunciator (EST4 4-6ANNMT) Note: Supports surface or semiflush mounting. Comes with wallbox, surface mounting plastic fillers and semi-flush trip.	303.23	50.91
28 46 13 31-0508	EA	Bronze Annunciator, 8 Slots (2 rows of 4) (EST4 4-8ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-8ANNMT (surface mounting), or 3-CAB5B (Semi-flush mounting) required network Controllers 4-NET-XX series, End User interfaces and required filler plates separately.	1,101.95	101.83
28 46 13 31-0509	EA	Mounting Assembly For 4-8ANN, Four Wide x Two Row High Annunciator (EST4 4-8ANNMT) Note: Supports surface mounting.	385.51	50.91
28 46 13 31-0510	EA	Security Kit (EST4 4-ANNSK) Note: Provides a keyless door latch that allows access to LCD and switches, used for security applications where the display needs to be accessed without the need for a tool to unlock the door for arming, disarming, bypass applications within the protected space.	40.85	
28 46 13 31-0511	EA	Graphic Annunciator Central Processor Module (EST4 4-CPUGRPH)	1,537.67	101.83
28 46 13 31-0512	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	499.54	101.83
28 46 13 31-0513	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	625.58	101.83
28 46 13 31-0514	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,350.33	101.83
28 46 13 31-0515	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,606.67	101.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0516	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,723.12	101.83
28 46 13 31-0517	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-NET-SMU) Note: Works with 4-NET-SMD	1,606.67	101.83
28 46 13 31-0518	EA	SFP Network Controller, 2 Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	499.54	101.83
28 46 13 31-0519	EA	SFP Network Controller, 0.3 Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	710.65	101.83
28 46 13 31-0520		**Miscellaneous** *(28 46 13 31-0394)*		
28 46 13 31-0521	EA	Service Replacement Bronze Annunciator Door (EST4 4-2ANND) Note: For 4-2ANN annunciators includes the inner and outer doors.	230.03	
28 46 13 31-0522	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-2ANNFA) Note: For 4-2ANN annunciators	84.22	
28 46 13 31-0523	EA	Service Replacement Bronze Annunciator Door (EST4 4-4ANND) Note: For 4-4ANN annunciators includes the inner and outer doors.	249.38	
28 46 13 31-0524	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4ANNFA) Note: For 4-4ANN annunciators.	119.48	
28 46 13 31-0525	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4X2ANNFA) Note: For 4-8ANN annunciators and 4-CAB5D door assemblies.	183.88	
28 46 13 31-0526	EA	Service Replacement Bronze Annunciator Door (EST4 4-6ANND) Note: For 4-6ANN annunciators, includes the inner and outer door	278.47	
28 46 13 31-0527	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-6ANNFA) Note: For 4-6ANN annunciators.	137.89	
28 46 13 31-0528	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-8ANNFA) Note: For 4-CAB16D and 4-CAB21D(L) door assemblies.	183.88	
28 46 13 31-0529	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	727.84	101.83
28 46 13 31-0530	EA	Service Replacement Cable, 4-LCD To 4-CPU Flex Interconnect Cable (EST4 4-CABL0502) Note: For CAB5, 7, 14, 21.	118.72	
28 46 13 31-0531	EA	Service Replacement Cable, 4-LCD To 4-ANNCPU Cable (EST4 4-CABL0504) Note: For use in 4-2ANN, 4ANN, 6ANN annunciator configuration.	107.22	
28 46 13 31-0532	EA	Chassis To Door Rail Cable (EST4 4-CABL0505) Note: For 4-CAB16D, 4-CAB24D or 4-CAB24DL use when no LCD display is required.	97.03	10.18
28 46 13 31-0533	EA	Chassis To Door Rail Cable (EST4 4-CABL0507) Note: For 4-CAB8D when no LCD is required.	97.03	10.18
28 46 13 31-0534	EA	Cable, 4-LCDAUDTEL To 4-ANNCPU (EST4 4-CABL0509) Note: For 4-MPLT for CAB7, CAB14, or CAB21	104.89	10.18
28 46 13 31-0535	EA	Service Replacement Cable, 4-3LCD To 4-CPU Cable (EST4 4-CABL0541) Note: For use in 3-CAB5B, 7B, 14B, 21B, RCC series.	103.48	
28 46 13 31-0536	EA	Cable, USB 3.0 A-B, Male, Short (EST4 4-CABLUSBSM)	51.03	10.18
28 46 13 31-0537	EA	Window Replacement (EST4 4-CABWIN16/24) Note: For 4-CAB16D and 4-CAB24D doors	267.78	
28 46 13 31-0538	EA	Main Color Touchscreen LCD Display (EST4 4-LCD)	817.00	101.83
28 46 13 31-0539	EA	Power Limited Label (EST4 4-PL0457) Note: For EST3 updates.	24.34	6.78
28 46 13 31-0540		**Zone Audio Amplifiers** *(28 46 13 31-0394)*		
28 46 13 31-0541	EA	Zoned Amplifier, 20 Watt, Class A/B (EST4 3-ZA20A) Note: 20 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	848.80	27.16
28 46 13 31-0542	EA	Zoned Amplifier, 20 Watt, Class B (EST4 3-ZA20B) Note: 20 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	782.98	27.16
28 46 13 31-0543	EA	Zoned Amplifier, 40 Watt, Class A/B (EST4 3-ZA40A) Note: 40 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	1,046.07	27.16
28 46 13 31-0544	EA	Zoned Amplifier, 40 Watt, Class B (EST4 3-ZA40B) Note: 40 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	963.08	27.16
28 46 13 31-0545	EA	Zoned Amplifier, 95 Watt, Class B (EST4 3-ZA95) Note: 95 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 2 LRM spaces. Supports two user interface modules.	2,013.54	27.16
28 46 13 31-0546		**Simplex Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0547		**4100 Fire Alarm Control Panel** *(28 46 13 31-0546)*		
28 46 13 31-0548	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,408.51	677.39
28 46 13 31-0549	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	8,081.63	677.39
28 46 13 31-0550	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,607.08	677.39
28 46 13 31-0551	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,763.30	677.39
28 46 13 31-0552	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,736.76	677.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0553	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,353.19	169.34
28 46 13 31-0554	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	492.21	33.87
28 46 13 31-0555	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,410.76	33.87
28 46 13 31-0556		**4100U Back Box** *(28 46 13 31-0546)*		
28 46 13 31-0557	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,448.96	135.48
28 46 13 31-0558	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,447.65	135.48
28 46 13 31-0559		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 13 31-0546)*		
28 46 13 31-0560	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,340.71	67.74
28 46 13 31-0561		**4010 Fire Alarm Control Panel** *(28 46 13 31-0546)*		
28 46 13 31-0562	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,995.83	677.39
28 46 13 31-0563	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,791.32	677.39
28 46 13 31-0564	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	253.62	33.87
28 46 13 31-0565	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,099.11	33.87
28 46 13 31-0566	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,510.93	33.87
28 46 13 31-0567	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	776.59	33.87
28 46 13 31-0568	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	840.34	33.87
28 46 13 31-0569	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	315.56	33.87
28 46 13 31-0570		**Printer** *(28 46 13 31-0546)*		
28 46 13 31-0571	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,433.03	33.87
28 46 13 31-0572		**NAC Panel / Power Booster** *(28 46 13 31-0546)*		
28 46 13 31-0573	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,575.48	169.34
28 46 13 31-0574		**Battery** *(28 46 13 31-0546)*		
28 46 13 31-0575	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	984.17	33.87
28 46 13 31-0576	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	653.92	33.87
28 46 13 31-0577	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	235.62	33.87
28 46 13 31-0578		**Interface Modules** *(28 46 13 31-0546)*		
28 46 13 31-0579	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	190.24	33.87
28 46 13 31-0580	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	394.09	33.87
28 46 13 31-0581	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	94.20	33.87
28 46 13 31-0582	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	192.48	33.87
28 46 13 31-0583	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	85.66	16.93
28 46 13 31-0584	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	81.34	16.93
28 46 13 31-0585		**Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0586	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	233.97	33.87
28 46 13 31-0587	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	167.02	33.87
28 46 13 31-0588	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	179.96	33.87
28 46 13 31-0589	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	161.19	33.87
28 46 13 31-0590	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	188.60	33.87
28 46 13 31-0591	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	287.09	33.87
28 46 13 31-0592	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	240.39	33.87
28 46 13 31-0593	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	283.55	33.87
28 46 13 31-0594	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	131.05	33.87
28 46 13 31-0595	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	138.95	33.87
28 46 13 31-0596	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	164.39	33.87
28 46 13 31-0597	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	256.84	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0598	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	445.92	33.87
28 46 13 31-0599	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	145.44	33.87
28 46 13 31-0600	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	89.99	16.93
28 46 13 31-0601		**Weatherproof Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0602	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	228.07	40.64
28 46 13 31-0603	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	147.33	16.93
28 46 13 31-0604		**Heat / Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0605	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	228.76	50.80
28 46 13 31-0606	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	334.71	50.80
28 46 13 31-0607	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	657.50	16.93
28 46 13 31-0608	EA	Standard Sensor Base (Simplex 4098-9792)	333.60	16.93
28 46 13 31-0609	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	191.03	33.87
28 46 13 31-0610		**Explosion Proof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0611	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	242.31	50.80
28 46 13 31-0612	EA	Explosion Proof Back Box (Killark JLX-21)	159.07	16.93
28 46 13 31-0613	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	14.42	3.39
28 46 13 31-0614		**Weatherproof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0615	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	174.23	50.80
28 46 13 31-0616		**200 Degree F Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0617	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	143.80	50.80
28 46 13 31-0618		**Duct Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0619	EA	Duct Sensor Housing (Simplex 4098-9755)	530.79	27.10
28 46 13 31-0620	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	714.31	60.96
28 46 13 31-0621	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	78.89	16.93
28 46 13 31-0622	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	187.07	50.80
28 46 13 31-0623		**Interior Horn** *(28 46 13 31-0546)*		
28 46 13 31-0624	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	172.91	50.80
28 46 13 31-0625	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	172.91	50.80
28 46 13 31-0626		**Interior Horn Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0627	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	240.24	50.80
28 46 13 31-0628	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	240.24	50.80
28 46 13 31-0629	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	224.88	50.80
28 46 13 31-0630	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	224.88	50.80
28 46 13 31-0631	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	224.88	50.80
28 46 13 31-0632	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	224.88	50.80
28 46 13 31-0633	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	230.03	50.80
28 46 13 31-0634	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	230.03	50.80
28 46 13 31-0635	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	239.08	50.80
28 46 13 31-0636	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	234.91	50.80
28 46 13 31-0637	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	239.08	50.80
28 46 13 31-0638	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	234.91	50.80
28 46 13 31-0639	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	224.88	50.80
28 46 13 31-0640	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	224.88	50.80
28 46 13 31-0641	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	224.88	50.80
28 46 13 31-0642	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	224.88	50.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0643		**Interior Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0644	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	192.25	50.80
28 46 13 31-0645	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	192.25	50.80
28 46 13 31-0646	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	192.18	50.80
28 46 13 31-0647	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	192.25	50.80
28 46 13 31-0648	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	211.76	50.80
28 46 13 31-0649	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	211.76	50.80
28 46 13 31-0650	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	213.01	50.80
28 46 13 31-0651	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	216.41	50.80
28 46 13 31-0652	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	216.41	50.80
28 46 13 31-0653	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	216.41	50.80
28 46 13 31-0654	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	192.25	50.80
28 46 13 31-0655	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	192.25	50.80
28 46 13 31-0656	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	192.25	50.80
28 46 13 31-0657	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	192.25	50.80
28 46 13 31-0658		**Interior Speakers** *(28 46 13 31-0546)*		
28 46 13 31-0659	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	156.39	50.80
28 46 13 31-0660	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	156.39	50.80
28 46 13 31-0661	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	156.39	50.80
28 46 13 31-0662		**Interior Speaker Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0663	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	255.45	50.80
28 46 13 31-0664	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	255.45	50.80
28 46 13 31-0665		**Surge Suppressors** *(28 46 13 31-0546)*		
28 46 13 31-0666	EA	Overvoltage Suppressor (Simplex 2081-9044)	165.62	10.16
28 46 13 31-0667	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	105.83	10.16
28 46 13 31-0668	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	355.11	10.16
28 46 13 31-0669	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	121.24	10.16
28 46 13 31-0670	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	182.66	16.93
28 46 13 31-0671	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	124.30	10.16
28 46 13 31-0672	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	93.48	10.16
28 46 13 31-0673		**Boxes And Adapters** *(28 46 13 31-0546)*		
28 46 13 31-0674	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	81.34	16.93
28 46 13 31-0675	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	77.03	16.93
28 46 13 31-0676	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	68.57	16.93
28 46 13 31-0677	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	56.56	16.93
28 46 13 31-0678		**Accessories** *(28 46 13 31-0546)*		
28 46 13 31-0679	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	38.89	16.93
28 46 13 31-0680		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0681		**Conventional Control Panels** *(28 46 13 31-0680)*		
28 46 13 31-0682		**SXL Batteries And Power Supplies** *(28 46 13 31-0681)*		
28 46 13 31-0683	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,400.23	67.74
28 46 13 31-0684	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,127.44	67.74
28 46 13 31-0685		**Digital Fire Communicators** *(28 46 13 31-0681)*		
28 46 13 31-0686	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,091.48	67.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0687		Addressable Control Panels *(28 46 13 31-0680)*		
28 46 13 31-0688		Fireseeker Equipment *(28 46 13 31-0687)*		
28 46 13 31-0689		FS-250 System Panels *(28 46 13 31-0688)*		
28 46 13 31-0690	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	3,358.54	677.39
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0691	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	4,191.79	677.39
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0692	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	2,497.37	541.91
		Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0693	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,363.50	677.39
28 46 13 31-0694		FS-250 Optional Modules *(28 46 13 31-0688)*		
28 46 13 31-0695	EA	Main Board Module (Siemens FS-MB2)	1,410.15	67.74
28 46 13 31-0696	EA	Display Board Module (Siemens FS-DB2)	1,099.38	33.87
28 46 13 31-0697	EA	Device Loop Card (Siemens FS-DLC)	900.99	33.87
28 46 13 31-0698	EA	Releasing Module (Siemens FS-REL)	400.05	33.87
28 46 13 31-0699	EA	Remote LCD Annunciator (Siemens FS-RD2)	894.79	33.87
28 46 13 31-0700	EA	Relay Processor Card (Siemens FS-RU2)	776.99	33.87
28 46 13 31-0701	EA	Relay Expander Board (Siemens FS-RE8)	662.92	33.87
28 46 13 31-0702	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	894.79	33.87
28 46 13 31-0703	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	697.63	33.87
28 46 13 31-0704	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	634.40	33.87
28 46 13 31-0705	EA	Municipal Tie Module (Siemens FS-MT)	538.92	33.87
28 46 13 31-0706	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	491.35	
28 46 13 31-0707	EA	Programming Cable Kit (Siemens CBL-UD)	129.35	16.93
28 46 13 31-0708	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	232.65	33.87
28 46 13 31-0709	EA	Releasing Power Transformer (Siemens FS-RPT-A)	236.37	33.87
28 46 13 31-0710	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	267.46	27.10
28 46 13 31-0711	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	435.61	16.93
28 46 13 31-0712		Firefinder Systems *(28 46 13 31-0687)*		
28 46 13 31-0713		XLS Basic Fire System Packages Without Back Box *(28 46 13 31-0712)*		
28 46 13 31-0714	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)	11,826.91	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0715	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)	10,410.89	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0716	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)	10,410.89	677.39
		Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0717	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)	17,448.85	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0718	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)	18,036.58	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0719	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)	10,268.30	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0720	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)	10,268.30	677.39
		Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0721	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)	11,924.87	677.39
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0722		Firefinder - XLS Basic System Equipment *(28 46 13 31-0712)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0723	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,487.53	677.39
28 46 13 31-0724	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	9,146.63	677.39
28 46 13 31-0725	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,487.53	677.39
28 46 13 31-0726	EA	Two Slot Card Cage (Siemens CC-2)	682.76	33.87
28 46 13 31-0727	EA	Five Slot Card Cage (Siemens CC-5)	1,155.18	33.87
28 46 13 31-0728	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,651.16	33.87
28 46 13 31-0729	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,724.31	33.87
28 46 13 31-0730	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	543.88	33.87
28 46 13 31-0731	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,957.42	33.87
28 46 13 31-0732	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,108.06	33.87
28 46 13 31-0733	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,200.49	33.87
28 46 13 31-0734	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	7,141.63	677.39
28 46 13 31-0735	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,296.53	33.87
28 46 13 31-0736	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,493.72	33.87
28 46 13 31-0737	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	588.52	33.87
28 46 13 31-0738	EA	Conventional Detector Card (Siemens CDC-4)	1,249.41	33.87
28 46 13 31-0739	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,448.44	33.87
28 46 13 31-0740	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,806.91	33.87
28 46 13 31-0741		**Remote Lobby Enclosure** *(28 46 13 31-0712)*		
28 46 13 31-0742	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,618.78	135.48
28 46 13 31-0743	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	2,089.96	135.48
28 46 13 31-0744	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	257.45	33.87
28 46 13 31-0745	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	281.01	33.87
28 46 13 31-0746		**Battery Enclosures** *(28 46 13 31-0712)*		
28 46 13 31-0747	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	1,003.76	135.48
28 46 13 31-0748		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0712)*		
28 46 13 31-0749	EA	Output Control Module (Siemens OCM-16)	800.55	33.87
28 46 13 31-0750	EA	Supervised Input Module (Siemens SIM-16)	800.55	33.87
28 46 13 31-0751		**Remote LCD Displays** *(28 46 13 31-0712)*		
28 46 13 31-0752	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,856.06	101.61
28 46 13 31-0753	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	2,092.89	101.61
28 46 13 31-0754		**Voice Equipment** *(28 46 13 31-0712)*		
28 46 13 31-0755	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,843.35	33.87
28 46 13 31-0756	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	4,083.94	33.87
28 46 13 31-0757	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,720.59	33.87
28 46 13 31-0758		**MXL Series Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0759		**MXL Optional Equipment** *(28 46 13 31-0758)*		
28 46 13 31-0760	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,985.49	67.74
28 46 13 31-0761	EA	CXL/MXL Interface Module (Siemens CMI-300)	5,126.74	33.87
28 46 13 31-0762	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	881.15	33.87
28 46 13 31-0763	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,063.42	33.87
28 46 13 31-0764	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	401.29	33.87
28 46 13 31-0765	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	248.77	33.87
28 46 13 31-0766	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	1,034.90	33.87
28 46 13 31-0767	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	374.40	50.80
28 46 13 31-0768	EA	Lexan Window For RCC (Siemens GENBOX-WD)	253.82	27.10
28 46 13 31-0769	EA	Input Driver Module (Siemens MID-16)	679.04	33.87
28 46 13 31-0770	EA	Programmable Output Driver Module (Siemens MOD-16)	679.04	33.87
28 46 13 31-0771	EA	MXL Output/Input Module (Siemens MOI-7)	1,085.74	33.87
28 46 13 31-0772	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	578.60	33.87
28 46 13 31-0773	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	909.67	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0774	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,237.97	101.61
28 46 13 31-0775	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,237.97	101.61
28 46 13 31-0776	EA	Network Interface Module (Siemens NIM-1W)	1,618.92	33.87
28 46 13 31-0777	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,238.79	135.48
28 46 13 31-0778	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	475.68	33.87
28 46 13 31-0779	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,659.25	677.39
28 46 13 31-0780	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	573.18	67.74
28 46 13 31-0781	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,659.25	677.39
28 46 13 31-0782	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	588.06	67.74
28 46 13 31-0783	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,586.69	677.39
28 46 13 31-0784	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,358.58	677.39
28 46 13 31-0785	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	89.67	16.93
28 46 13 31-0786	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,583.22	67.74
28 46 13 31-0787	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	14,019.20	67.74
28 46 13 31-0788	EA	Releasing End Of Line Module (Siemens REL-EOL)	202.89	33.87
28 46 13 31-0789	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,198.80	67.74
28 46 13 31-0790	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	4,009.08	67.74
28 46 13 31-0791	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,132.11	135.48
28 46 13 31-0792		Complete MXL And MXLV System Packages Without Enclosure *(28 46 13 31-0758)*		
28 46 13 31-0793	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	15,416.57	677.39
28 46 13 31-0794	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	20,063.90	677.39
28 46 13 31-0795	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	41,767.98	677.39
28 46 13 31-0796		MXL Basic System *(28 46 13 31-0758)*		
28 46 13 31-0797	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	9,568.96	677.39
28 46 13 31-0798	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	12,345.21	677.39
28 46 13 31-0799	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,541.62	67.74
28 46 13 31-0800	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,436.87	67.74
28 46 13 31-0801	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,542.36	101.61
28 46 13 31-0802	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	114.47	16.93
28 46 13 31-0803		MXL/MXLR System Expansion Accessories *(28 46 13 31-0758)*		
28 46 13 31-0804	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,893.26	101.61
28 46 13 31-0805	EA	Style 4 Communication Module (Siemens NET-4)	388.89	33.87
28 46 13 31-0806	EA	Style 7 Communication Module (Siemens NET-7)	707.55	33.87
28 46 13 31-0807	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	424.85	33.87
28 46 13 31-0808		Peripheral Devices *(28 46 13 31-0687)*		
28 46 13 31-0809		Thermal Detectors *(28 46 13 31-0808)*		
28 46 13 31-0810	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	162.37	50.80
28 46 13 31-0811	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	162.37	50.80
28 46 13 31-0812	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	162.37	50.80
28 46 13 31-0813	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	162.37	50.80
28 46 13 31-0814	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	255.36	50.80
28 46 13 31-0815	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	255.36	50.80
28 46 13 31-0816	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	631.07	50.80
28 46 13 31-0817		Beam Smoke Detector *(28 46 13 31-0808)*		
28 46 13 31-0818	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,987.09	50.80
28 46 13 31-0819	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	341.38	16.93
28 46 13 31-0820	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	345.10	16.93
28 46 13 31-0821	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	176.46	16.93
28 46 13 31-0822		Bases For Detectors *(28 46 13 31-0808)*		
28 46 13 31-0823	EA	Detector Base (Siemens DB-11)	52.47	16.93
28 46 13 31-0824	EA	Universal Base (Siemens DB-3S)	48.75	16.93
28 46 13 31-0825		Manual Stations *(28 46 13 31-0808)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0826	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	377.64	40.64
28 46 13 31-0827		**Addressable Devices** *(28 46 13 31-0687)*		
28 46 13 31-0828		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0827)*		
28 46 13 31-0829	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	314.88	50.80
28 46 13 31-0830	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	271.48	50.80
28 46 13 31-0831	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	220.65	50.80
28 46 13 31-0832	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	147.49	50.80
28 46 13 31-0833	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	147.49	50.80
28 46 13 31-0834	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	329.37	33.87
28 46 13 31-0835	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	314.49	33.87
28 46 13 31-0836	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	248.77	33.87
28 46 13 31-0837	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	304.57	33.87
28 46 13 31-0838	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	304.57	33.87
28 46 13 31-0839	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	230.17	33.87
28 46 13 31-0840	EA	Line Isolator Module (Siemens HLIM)	237.61	33.87
28 46 13 31-0841	EA	Remote Convention Zone Module (Siemens HZM)	351.69	33.87
28 46 13 31-0842	EA	Intelligent Control Point Module (Siemens HCP)	445.92	33.87
28 46 13 31-0843	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,968.19	
28 46 13 31-0844	EA	DPU Carrying Case (Siemens DPU-C1)	303.03	
28 46 13 31-0845	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,370.97	33.87
28 46 13 31-0846		**Air Duct Housings And Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0847	EA	Air-Duct Housing (Siemens AD2-P)	360.46	27.10
28 46 13 31-0848	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	407.58	27.10
28 46 13 31-0849	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	326.89	33.87
28 46 13 31-0850	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	45.12	10.16
28 46 13 31-0851	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	55.62	13.55
28 46 13 31-0852	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	69.83	16.93
28 46 13 31-0853	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	81.56	20.32
28 46 13 31-0854		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0827)*		
28 46 13 31-0855	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	328.52	50.80
28 46 13 31-0856	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	282.64	50.80
28 46 13 31-0857	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	363.24	50.80
28 46 13 31-0858	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	320.69	33.87
28 46 13 31-0859	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	354.17	33.87
28 46 13 31-0860	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	324.41	33.87
28 46 13 31-0861	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	359.13	33.87
28 46 13 31-0862	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	359.13	33.87
28 46 13 31-0863		**Detector Universal Bases** *(28 46 13 31-0827)*		
28 46 13 31-0864	EA	Detector Base With Relay (Siemens DB-X11RS)	151.67	16.93
28 46 13 31-0865	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	77.27	16.93
28 46 13 31-0866	EA	Locking Kit (Siemens LK-11)	14.54	
28 46 13 31-0867	EA	Detector Base With Relay (Siemens DB-X3RS)	151.67	16.93
28 46 13 31-0868	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	176.46	16.93
28 46 13 31-0869	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	73.55	16.93
28 46 13 31-0870	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	35.20	10.16
28 46 13 31-0871	EA	Seal For DB-11 (Siemens DB11-SEAL)	17.53	
28 46 13 31-0872	EA	Gasket For DB-11 (Siemens DB-SEAL)	19.16	
28 46 13 31-0873	EA	Detector Guard Housing (Siemens DGH-11)	222.34	16.93
28 46 13 31-0874	EA	Small Detector Base (Siemens DB-11E)	57.43	16.93
28 46 13 31-0875	EA	Audible Base For Series 3 (Siemens ADBI-60A)	198.78	16.93
28 46 13 31-0876	EA	Base Plug (Siemens DB-11-DP)	14.49	
28 46 13 31-0877		**Air Duct Smoke Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0878	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	168.18	33.87
28 46 13 31-0879	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	869.99	33.87
28 46 13 31-0880		**Notification Devices** *(28 46 13 31-0687)*		
28 46 13 31-0881		**Synchronization Control Devices** *(28 46 13 31-0880)*		
28 46 13 31-0882	EA	Dual Synchronization Control Module (Siemens DSC)	248.77	33.87
28 46 13 31-0883		**Stand-Alone Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0884	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	207.01	50.80
28 46 13 31-0885	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	225.61	50.80
28 46 13 31-0886	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	207.01	50.80
28 46 13 31-0887	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	225.61	50.80
28 46 13 31-0888	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	225.61	50.80
28 46 13 31-0889	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	207.01	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0890	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	239.24	50.80
28 46 13 31-0891	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	229.32	50.80
28 46 13 31-0892	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	229.32	50.80
28 46 13 31-0893	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	245.44	50.80
28 46 13 31-0894	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	245.44	50.80
28 46 13 31-0895		**Horns And Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0896	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	280.16	50.80
28 46 13 31-0897	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	296.28	50.80
28 46 13 31-0898	EA	Wall Mounted Horn (Siemens SE-R)	162.37	50.80
28 46 13 31-0899	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	280.16	50.80
28 46 13 31-0900	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	296.28	50.80
28 46 13 31-0901	EA	Ceiling Mounted Horn (Siemens SEC-R)	169.81	50.80
28 46 13 31-0902	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	280.16	50.80
28 46 13 31-0903	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	296.28	50.80
28 46 13 31-0904	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	162.37	50.80
28 46 13 31-0905	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	280.16	50.80
28 46 13 31-0906	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	296.28	50.80
28 46 13 31-0907	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	169.81	50.80
28 46 13 31-0908	EA	Mini Horn (Siemens MH-R)	135.09	50.80
28 46 13 31-0909	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	172.29	50.80
28 46 13 31-0910	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	264.04	50.80
28 46 13 31-0911	EA	Industrial Tri-Tone Horn (Siemens ASR)	752.58	50.80
28 46 13 31-0912	EA	Wall Mounted Horn (Siemens HS-R)	172.29	50.80
28 46 13 31-0913	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	265.28	50.80
28 46 13 31-0914	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	285.12	50.80
28 46 13 31-0915	EA	6" Motor Bell (Siemens MBDC-6)	197.09	50.80
28 46 13 31-0916	EA	10" Motor Bell (Siemens MBDC-10)	215.69	50.80
28 46 13 31-0917		**Mounting Accessories** *(28 46 13 31-0880)*		
28 46 13 31-0918	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	48.75	16.93
28 46 13 31-0919	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	48.75	16.93
28 46 13 31-0920	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	49.99	16.93
28 46 13 31-0921	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	79.75	16.93
28 46 13 31-0922	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	63.63	16.93
28 46 13 31-0923	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	67.35	16.93
28 46 13 31-0924	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	72.31	16.93
28 46 13 31-0925	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	57.43	16.93
28 46 13 31-0926	EA	Semi-Flush Plate (Siemens SFPS-R)	47.51	16.93
28 46 13 31-0927	EA	Square Surface Back Box (Siemens SHBBS-R)	57.43	16.93
28 46 13 31-0928	EA	Horn Adapter Plate (Siemens SHMPS-R)	54.95	16.93
28 46 13 31-0929	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	48.75	16.93
28 46 13 31-0930	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	63.63	16.93
28 46 13 31-0931	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	67.35	16.93
28 46 13 31-0932	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	64.87	16.93
28 46 13 31-0933	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	72.31	16.93
28 46 13 31-0934	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	72.31	16.93
28 46 13 31-0935	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	72.31	16.93
28 46 13 31-0936	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	67.35	16.93
28 46 13 31-0937	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	67.35	16.93
28 46 13 31-0938	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	48.75	16.93
28 46 13 31-0939	EA	Z Series Back Box (Siemens ZBB-R)	54.95	16.93
28 46 13 31-0940		**Door Holders** *(28 46 13 31-0880)*		
28 46 13 31-0941	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	421.52	50.80
28 46 13 31-0942	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	421.52	50.80
28 46 13 31-0943		**Voice Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0944		**Voicecom** *(28 46 13 31-0943)*		
28 46 13 31-0945	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,457.17	677.39
28 46 13 31-0946	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	10,239.02	677.39
28 46 13 31-0947		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0948	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	246.14	50.80
28 46 13 31-0949	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	243.45	50.80
28 46 13 31-0950	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	305.01	50.80
28 46 13 31-0951	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	304.16	50.80
28 46 13 31-0952	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	842.19	67.74
28 46 13 31-0953	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	232.41	50.80
28 46 13 31-0954	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	206.94	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0955	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	201.54	50.80
28 46 13 31-0956	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	616.72	50.80
28 46 13 31-0957	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	3,011.53	101.61
28 46 13 31-0958	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,917.62	101.61
28 46 13 31-0959	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,968.28	101.61
28 46 13 31-0960	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,841.78	101.61
28 46 13 31-0961	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,380.36	101.61
28 46 13 31-0962	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,380.36	101.61
28 46 13 31-0963	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,387.04	33.87
28 46 13 31-0964	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,442.80	33.87
28 46 13 31-0965	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,059.11	33.87
28 46 13 31-0966	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,059.11	33.87
28 46 13 31-0967	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	746.36	33.87
28 46 13 31-0968	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,410.11	67.74
28 46 13 31-0969	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,059.11	33.87
28 46 13 31-0970	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,101.02	33.87
28 46 13 31-0971	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	949.14	33.87
28 46 13 31-0972	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	949.14	33.87
28 46 13 31-0973	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	157.63	30.48
28 46 13 31-0974	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,451.00	67.74
28 46 13 31-0975	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,168.32	67.74
28 46 13 31-0976	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,451.00	67.74
28 46 13 31-0977	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,168.32	67.74
28 46 13 31-0978	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	56.61	16.93
28 46 13 31-0979	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	154.45	16.93
28 46 13 31-0980	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	145.60	16.93
28 46 13 31-0981	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	60.39	16.93
28 46 13 31-0982	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	54.11	16.93
28 46 13 31-0983	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	1,056.80	67.74
28 46 13 31-0984	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,477.84	101.61
28 46 13 31-0985	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,620.02	101.61
28 46 13 31-0986	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	289.77	16.93
28 46 13 31-0987	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	195.00	16.93
28 46 13 31-0988	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,479.94	101.61
28 46 13 31-0989	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,288.28	101.61
28 46 13 31-0990	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,288.28	101.61
28 46 13 31-0991	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,686.95	101.61
28 46 13 31-0992	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,477.84	101.61
28 46 13 31-0993	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,477.84	101.61
28 46 13 31-0994	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,477.84	101.61
28 46 13 31-0995	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,965.26	101.61
28 46 13 31-0996	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,965.26	101.61
28 46 13 31-0997	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,965.26	101.61
28 46 13 31-0998	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	306.70	33.87
28 46 13 31-0999	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	472.45	33.87
28 46 13 31-1000	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	42.20	13.55
28 46 13 31-1001	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	46.11	13.55
28 46 13 31-1002	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	113.55	20.32
28 46 13 31-1003	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	54.84	13.55
28 46 13 31-1004	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	67.70	16.93
28 46 13 31-1005	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	475.26	33.87
28 46 13 31-1006	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	789.46	67.74
28 46 13 31-1007	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	652.76	101.61
28 46 13 31-1008	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	908.02	101.61
28 46 13 31-1009	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	993.32	101.61
28 46 13 31-1010	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	528.08	13.55
28 46 13 31-1011	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	796.66	13.55
28 46 13 31-1012	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	875.65	13.55
28 46 13 31-1013	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,050.19	135.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1014	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,381.09	135.48
28 46 13 31-1015	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,312.11	101.61
28 46 13 31-1016	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	242.39	16.93
28 46 13 31-1017	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	687.58	33.87
28 46 13 31-1018	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	361.13	50.80
28 46 13 31-1019	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	293.90	50.80
28 46 13 31-1020	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	309.20	50.80
28 46 13 31-1021	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,527.02	67.74
28 46 13 31-1022	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	3,088.02	67.74
28 46 13 31-1023	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	931.97	33.87
28 46 13 31-1024	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	6,319.85	541.91
28 46 13 31-1025	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,115.25	67.74
28 46 13 31-1026	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	41,162.05	812.86
28 46 13 31-1027	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	44,953.10	812.86
28 46 13 31-1028	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	50,639.69	812.86
28 46 13 31-1029	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	44,953.10	812.86
28 46 13 31-1030	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	302.23	20.32
28 46 13 31-1031	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	340.14	20.32
28 46 13 31-1032	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	370.47	20.32
28 46 13 31-1033	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	692.71	20.32
28 46 13 31-1034	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	224.22	13.55
28 46 13 31-1035	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	349.71	30.48
28 46 13 31-1036	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	371.45	30.48
28 46 13 31-1037	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	682.68	30.48
28 46 13 31-1038	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	681.08	13.55
28 46 13 31-1039	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	918.02	13.55
28 46 13 31-1040	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,136.00	13.55
28 46 13 31-1041	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	319.22	33.87
28 46 13 31-1042	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	149.01	13.55
28 46 13 31-1043	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	6,305.50	541.91
28 46 13 31-1044	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,551.99	406.44
28 46 13 31-1045	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	8,187.39	541.91
28 46 13 31-1046	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,864.37	406.44
28 46 13 31-1047	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,665.96	406.44
28 46 13 31-1048	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,102.82	50.80
28 46 13 31-1049	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,134.45	50.80
28 46 13 31-1050	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,134.45	50.80
28 46 13 31-1051	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,709.52	67.74
28 46 13 31-1052	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,143.68	67.74
28 46 13 31-1053	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,708.40	406.44
28 46 13 31-1054	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,233.11	67.74
28 46 13 31-1055	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,836.87	67.74
28 46 13 31-1056	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,956.76	67.74
28 46 13 31-1057	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	915.27	16.93
28 46 13 31-1058	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	294.35	13.55
28 46 13 31-1059	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	362.59	13.55
28 46 13 31-1060	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	737.13	16.93
28 46 13 31-1061	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,353.17	16.93
28 46 13 31-1062	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,452.13	16.93
28 46 13 31-1063	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	191.93	16.93
28 46 13 31-1064	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	306.04	16.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1065	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	150.59	16.93
28 46 13 31-1066	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	211.46	16.93
28 46 13 31-1067	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	166.58	16.93
28 46 13 31-1068	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	271.86	16.93
28 46 13 31-1069	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	310.08	16.93
28 46 13 31-1070	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	174.71	16.93
28 46 13 31-1071	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,588.54	50.80
28 46 13 31-1072	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,302.55	33.87
28 46 13 31-1073	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,128.17	33.87
28 46 13 31-1074	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	79.89	6.77
28 46 13 31-1075	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-F)	1,861.68	33.87
28 46 13 31-1076	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-W)	1,772.72	33.87
28 46 13 31-1077	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,526.18	67.74
28 46 13 31-1078	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,257.02	33.87
28 46 13 31-1079	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	343.63	13.55
28 46 13 31-1080	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	793.74	33.87
28 46 13 31-1081	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	793.74	33.87
28 46 13 31-1082	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	212.88	13.55
28 46 13 31-1083	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	56.41	6.77
28 46 13 31-1084	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	56.41	6.77
28 46 13 31-1085	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	215.36	50.80
28 46 13 31-1086	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	241.88	50.80
28 46 13 31-1087	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	285.75	57.58
28 46 13 31-1088	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	281.94	57.58
28 46 13 31-1089	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,899.22	135.48
28 46 13 31-1090	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,482.18	135.48
28 46 13 31-1091	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	215.36	50.80
28 46 13 31-1092	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	241.88	50.80
28 46 13 31-1093	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	215.36	50.80
28 46 13 31-1094	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	39.14	13.55
28 46 13 31-1095	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	43.97	6.77
28 46 13 31-1096	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	50.06	6.77
28 46 13 31-1097	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	44.02	6.77
28 46 13 31-1098	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	197.07	50.80
28 46 13 31-1099	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	241.88	50.80
28 46 13 31-1100	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	285.75	57.58
28 46 13 31-1101	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	241.88	50.80
28 46 13 31-1102	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	281.94	57.58
28 46 13 31-1103	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	215.36	50.80
28 46 13 31-1104	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	215.36	50.80
28 46 13 31-1105	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	241.88	50.80
28 46 13 31-1106	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	241.88	50.80
28 46 13 31-1107	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	215.36	50.80
28 46 13 31-1108	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	297.33	16.93
28 46 13 31-1109	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,312.10	67.74
28 46 13 31-1110	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	319.16	67.74
28 46 13 31-1111	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	136.53	33.87
28 46 13 31-1112	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	136.53	33.87
28 46 13 31-1113	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	251.42	33.87
28 46 13 31-1114	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	273.40	33.87
28 46 13 31-1115	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	273.40	33.87
28 46 13 31-1116	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	242.69	33.87
28 46 13 31-1117	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	330.68	33.87
28 46 13 31-1118	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	251.42	33.87
28 46 13 31-1119	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	136.53	33.87
28 46 13 31-1120	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	136.53	33.87
28 46 13 31-1121	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	273.40	33.87
28 46 13 31-1122	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	251.42	33.87
28 46 13 31-1123	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	251.42	33.87

28 46 13 31-1124 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-1125 Notifier Fire Alarm *(28 46 13 31-1124)*

28 46 13 31-1126 Fire Alarm Control Panel And Accessories *(28 46 13 31-1125)*

28 46 13 31-1127	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,365.55	677.39
28 46 13 31-1128	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,305.74	677.39
28 46 13 31-1129	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	5,853.33	677.39
28 46 13 31-1130	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,353.08	677.39
28 46 13 31-1131	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,233.54	677.39
28 46 13 31-1132	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	6,081.37	677.39
28 46 13 31-1133	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,936.06	677.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1134	EA	Two-Tone Sequential Module (Notifier 2TTM)	386.96	33.87
28 46 13 31-1135	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	97.07	6.77
28 46 13 31-1136	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	186.14	13.55
28 46 13 31-1137	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	282.63	20.32
28 46 13 31-1138	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-1139	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-1140	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,821.65	677.39
28 46 13 31-1141	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,877.71	677.39
28 46 13 31-1142	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	238.95	6.77
28 46 13 31-1143	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	74.19	6.77
28 46 13 31-1144	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	105.76	13.55
28 46 13 31-1145	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	104.81	16.93
28 46 13 31-1146	EA	IP Communicator (Notifier IPDACT-2)	777.11	33.87
28 46 13 31-1147	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	900.68	33.87
28 46 13 31-1148	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	214.19	33.87
28 46 13 31-1149	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	213.62	33.87
28 46 13 31-1150	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	55.36	13.55
28 46 13 31-1151	EA	Loop Control Module (Notifier LCM-320)	2,226.00	67.74
28 46 13 31-1152	EA	Loop Expander Module (Notifier LEM-320)	1,780.77	67.74
28 46 13 31-1153	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,692.64	67.74
28 46 13 31-1154	EA	7' DACT Phone Cord (Notifier MCBL-7)	26.94	
28 46 13 31-1155	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	224.37	16.93
28 46 13 31-1156	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	258.24	33.87
28 46 13 31-1157	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	258.24	33.87
28 46 13 31-1158	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	1,131.69	33.87
28 46 13 31-1159	EA	Universal Zone Coder (Notifier UZC-256)	1,582.52	33.87
28 46 13 31-1160	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	495.94	
28 46 13 31-1161	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	778.22	
28 46 13 31-1162	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	524.59	
28 46 13 31-1163	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	7,088.58	20.32
28 46 13 31-1164	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	59.16	16.93
28 46 13 31-1165	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	3,057.41	677.39
28 46 13 31-1166	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	4,466.64	677.39

28 46 13 31-1167 ONYX Cabinets *(28 46 13 31-1125)*

28 46 13 31-1168	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	545.32	16.93
28 46 13 31-1169	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	729.28	16.93
28 46 13 31-1170	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	899.30	16.93
28 46 13 31-1171	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	135.60	20.32
28 46 13 31-1172	EA	Chassis Bridge (Notifier CB-1)	122.83	16.93
28 46 13 31-1173	EA	Four Position Chassis (Notifier CHS-4)	203.78	16.93
28 46 13 31-1174	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	231.21	33.87
28 46 13 31-1175	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	120.16	20.32
28 46 13 31-1176	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	151.34	20.32
28 46 13 31-1177	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	422.39	33.87
28 46 13 31-1178	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	271.39	33.87
28 46 13 31-1179	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	536.62	50.80
28 46 13 31-1180	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	335.74	50.80
28 46 13 31-1181	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	799.07	67.74
28 46 13 31-1182	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	492.91	67.74
28 46 13 31-1183	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	970.08	84.67
28 46 13 31-1184	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	573.87	84.67
28 46 13 31-1185	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	319.91	16.93
28 46 13 31-1186	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	221.51	16.93
28 46 13 31-1187	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	221.51	16.93
28 46 13 31-1188	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	325.63	16.93
28 46 13 31-1189	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	248.97	16.93
28 46 13 31-1190	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	411.44	16.93
28 46 13 31-1191	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	282.72	16.93
28 46 13 31-1192	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	489.24	16.93
28 46 13 31-1193	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	404.57	16.93
28 46 13 31-1194	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	723.79	16.93
28 46 13 31-1195	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	452.63	16.93
28 46 13 31-1196	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	865.67	16.93
28 46 13 31-1197	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	423.57	33.87
28 46 13 31-1198	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	620.36	33.87
28 46 13 31-1199	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	725.63	33.87
28 46 13 31-1200	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	443.02	33.87
28 46 13 31-1201	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	663.84	33.87
28 46 13 31-1202	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	773.68	33.87
28 46 13 31-1203	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	427.00	33.87
28 46 13 31-1204	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	620.36	33.87
28 46 13 31-1205	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	734.78	33.87
28 46 13 31-1206	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	463.62	33.87
28 46 13 31-1207	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	663.84	33.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1208	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	773.68	33.87
28 46 13 31-1209	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	4,659.70	169.34
28 46 13 31-1210	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	398.40	33.87
28 46 13 31-1211	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	472.37	101.61
28 46 13 31-1212	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	668.35	135.48
28 46 13 31-1213	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	882.10	135.48
28 46 13 31-1214	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,073.33	169.34
28 46 13 31-1215	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	254.24	33.87
28 46 13 31-1216	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	254.24	33.87
28 46 13 31-1217	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	306.87	33.87
28 46 13 31-1218	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	422.43	33.87
28 46 13 31-1219	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	613.50	33.87
28 46 13 31-1220	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	723.34	33.87
28 46 13 31-1221	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	241.44	20.32
28 46 13 31-1222	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	241.44	20.32
28 46 13 31-1223	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	323.25	20.32
28 46 13 31-1224	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	256.88	20.32
28 46 13 31-1225	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	258.60	20.32
28 46 13 31-1226	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	255.74	20.32
28 46 13 31-1227	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	262.03	20.32
28 46 13 31-1228	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	97.16	20.32
28 46 13 31-1229	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	65.27	6.77
28 46 13 31-1230		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1231	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	156.22	20.32
28 46 13 31-1232	EA	Blank Module Dress Plate (Notifier BM-1B)	129.30	20.32
28 46 13 31-1233	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	146.72	20.32
28 46 13 31-1234	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	314.19	16.93
28 46 13 31-1235	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	329.60	50.80
28 46 13 31-1236	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	162.55	20.32
28 46 13 31-1237		**NFS-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1238	EA	Annunciator Dress Plate (Notifier ADP-4B)	148.30	20.32
28 46 13 31-1239	EA	Blank Module Dress Plate (Notifier BMP-1)	92.89	20.32
28 46 13 31-1240	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	209.44	33.87
28 46 13 31-1241	EA	Module Dress Plate (Notifier MP-1B)	149.89	20.32
28 46 13 31-1242		**Battery Cabinets** *(28 46 13 31-1125)*		
28 46 13 31-1243	EA	Six Position Chassis (Notifier CHS-6)	134.71	33.87
28 46 13 31-1244	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	668.69	101.61
28 46 13 31-1245		**Digital Voice** *(28 46 13 31-1125)*		
28 46 13 31-1246	EA	Chassis Used With BB-XP (Notifier 18439)	63.05	16.93
28 46 13 31-1247	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	3,240.88	50.80
28 46 13 31-1248	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	3,149.21	50.80
28 46 13 31-1249	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,572.81	50.80
28 46 13 31-1250	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	682.67	50.80
28 46 13 31-1251	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	925.54	67.74
28 46 13 31-1252	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,152.56	84.67
28 46 13 31-1253	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	1,370.63	33.87
28 46 13 31-1254	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	1,370.63	33.87
28 46 13 31-1255	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,954.54	33.87
28 46 13 31-1256	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	127.40	16.93
28 46 13 31-1257	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	212.36	16.93
28 46 13 31-1258	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	213.50	16.93
28 46 13 31-1259	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	206.64	16.93
28 46 13 31-1260	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	208.93	16.93
28 46 13 31-1261	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	421.74	16.93
28 46 13 31-1262	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	323.34	16.93
28 46 13 31-1263	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	132.54	
28 46 13 31-1264	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	811.61	33.87
28 46 13 31-1265	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	819.12	33.87
28 46 13 31-1266	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	125.69	16.93
28 46 13 31-1267	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	181.74	33.87
28 46 13 31-1268	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	567.09	50.80
28 46 13 31-1269	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	252.52	33.87
28 46 13 31-1270	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	252.52	33.87
28 46 13 31-1271	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	319.91	16.93
28 46 13 31-1272	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	316.48	16.93
28 46 13 31-1273	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,344.50	33.87
28 46 13 31-1274	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	2,031.82	33.87
28 46 13 31-1275	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	2,031.82	33.87
28 46 13 31-1276	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,420.49	33.87
28 46 13 31-1277	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,150.86	33.87
28 46 13 31-1278	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,513.91	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1279	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,656.76	33.87
28 46 13 31-1280	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,656.76	33.87
28 46 13 31-1281	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	2,638.96	33.87
28 46 13 31-1282	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	2,714.10	33.87
28 46 13 31-1283	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,831.32	33.87
28 46 13 31-1284	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,786.90	33.87
28 46 13 31-1285	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,834.99	33.87
28 46 13 31-1286	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,878.57	33.87
28 46 13 31-1287	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,941.68	33.87
28 46 13 31-1288	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,955.21	33.87
28 46 13 31-1289	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	2,013.81	33.87
28 46 13 31-1290	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	2,072.42	33.87
28 46 13 31-1291	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	2,177.62	33.87
28 46 13 31-1292	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	145.14	16.93
28 46 13 31-1293	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	140.39	20.32
28 46 13 31-1294	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	162.55	20.32
28 46 13 31-1295	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	281.30	20.32
28 46 13 31-1296	EA	WPS Power Amplifier (Notifier DPA3204P)	966.39	33.87
28 46 13 31-1297	EA	WPS Power Amplifier (Notifier DPA4001P)	811.61	33.87
28 46 13 31-1298	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,857.53	33.87
28 46 13 31-1299	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,384.16	33.87
28 46 13 31-1300	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,400.69	33.87
28 46 13 31-1301	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	2,347.43	33.87
28 46 13 31-1302	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	901.77	33.87
28 46 13 31-1303	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	374.37	33.87
28 46 13 31-1304	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	374.37	33.87
28 46 13 31-1305	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	374.37	33.87
28 46 13 31-1306	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	162.99	33.87
28 46 13 31-1307	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	408.15	33.87
28 46 13 31-1308	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,363.50	33.87
28 46 13 31-1309	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	681.71	67.74
28 46 13 31-1310	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	293.87	
28 46 13 31-1311	EA	Portable Fireman's Telephone Handset (Notifier FHS)	176.59	
28 46 13 31-1312	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	204.62	
28 46 13 31-1313	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	513.96	33.87
28 46 13 31-1314	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	513.96	33.87
28 46 13 31-1315	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	84.62	10.16
28 46 13 31-1316	EA	Paging Microphone Only (Notifier MIC-1)	275.15	33.87
28 46 13 31-1317	EA	Firefighter's Telephone Handset (Notifier TELH-1)	201.76	
28 46 13 31-1318	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	683.64	33.87
28 46 13 31-1319	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	683.64	33.87
28 46 13 31-1320		**Amplifiers** *(28 46 13 31-1125)*		
28 46 13 31-1321	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,316.95	33.87
28 46 13 31-1322	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	2,876.48	33.87
28 46 13 31-1323	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	2,794.15	33.87
28 46 13 31-1324	EA	Audio Coupling Transformer (Notifier ACT-1)	199.15	33.87
28 46 13 31-1325	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	233.98	33.87
28 46 13 31-1326	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	233.98	33.87
28 46 13 31-1327	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	233.98	33.87
28 46 13 31-1328	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	2,526.26	33.87
28 46 13 31-1329	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	2,613.42	33.87
28 46 13 31-1330	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	2,715.60	33.87
28 46 13 31-1331	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	4,966.74	33.87
28 46 13 31-1332	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	976.91	33.87
28 46 13 31-1333	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	981.42	33.87
28 46 13 31-1334		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-1125)*		
28 46 13 31-1335	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,470.42	677.39
28 46 13 31-1336	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,854.52	677.39
28 46 13 31-1337	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	5,015.11	677.39
28 46 13 31-1338	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,532.81	677.39
28 46 13 31-1339	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,229.17	677.39
28 46 13 31-1340		**System Printer** *(28 46 13 31-1125)*		
28 46 13 31-1341	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,857.48	33.87
28 46 13 31-1342		**Batteries** *(28 46 13 31-1125)*		
28 46 13 31-1343	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	663.84	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1344	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	609.22	33.87
28 46 13 31-1345	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	802.38	33.87
28 46 13 31-1346	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	466.73	33.87
28 46 13 31-1347	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	653.55	33.87
28 46 13 31-1348	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	651.97	33.87
28 46 13 31-1349	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,039.56	33.87
28 46 13 31-1350		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1351	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	185.20	27.10
28 46 13 31-1352	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	308.19	27.10
28 46 13 31-1353	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	521.11	135.48
28 46 13 31-1354	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	241.31	67.74
28 46 13 31-1355	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	132.84	16.93
28 46 13 31-1356	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	303.64	27.10
28 46 13 31-1357	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	246.41	27.10
28 46 13 31-1358	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	273.29	27.10
28 46 13 31-1359	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	291.03	27.10
28 46 13 31-1360	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	430.62	27.10
28 46 13 31-1361	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	256.70	27.10
28 46 13 31-1362	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	361.97	27.10
28 46 13 31-1363	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	313.91	27.10
28 46 13 31-1364	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	320.78	27.10
28 46 13 31-1365	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	280.73	27.10
28 46 13 31-1366	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	263.57	27.10
28 46 13 31-1367		**Power Supplies And Chargers** *(28 46 13 31-1125)*		
28 46 13 31-1368	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	2,172.41	50.80
28 46 13 31-1369	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	2,280.61	50.80
28 46 13 31-1370	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,013.59	33.87
28 46 13 31-1371	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,090.85	33.87
28 46 13 31-1372	EA	10 Amperes Battery Charger (Notifier BC10A)	1,193.13	50.80
28 46 13 31-1373	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	656.80	40.64
28 46 13 31-1374	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	664.81	40.64
28 46 13 31-1375	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	1,275.98	40.64
28 46 13 31-1376	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	1,275.98	40.64
28 46 13 31-1377	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	232.50	33.87
28 46 13 31-1378	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,551.27	33.87
28 46 13 31-1379	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	104.81	16.93
28 46 13 31-1380	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	163.73	16.93
28 46 13 31-1381	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,027.21	33.87
28 46 13 31-1382	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	1,243.12	101.61
28 46 13 31-1383	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	1,187.52	101.61
28 46 13 31-1384	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,381.37	101.61
28 46 13 31-1385	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,369.35	101.61
28 46 13 31-1386	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	1,357.92	50.80
28 46 13 31-1387	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	1,357.92	50.80
28 46 13 31-1388	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,690.03	50.80
28 46 13 31-1389	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,613.39	50.80
28 46 13 31-1390	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,715.57	101.61
28 46 13 31-1391	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,715.57	101.61
28 46 13 31-1392	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	1,160.47	101.61
28 46 13 31-1393	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	1,160.47	101.61
28 46 13 31-1394	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	1,256.64	101.61
28 46 13 31-1395	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	1,256.64	101.61
28 46 13 31-1396	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	999.67	101.61
28 46 13 31-1397	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	1,187.52	101.61
28 46 13 31-1398	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	257.78	16.93
28 46 13 31-1399	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,585.44	33.87
28 46 13 31-1400	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	230.21	33.87
28 46 13 31-1401	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,777.10	33.87
28 46 13 31-1402	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	1,204.05	101.61
28 46 13 31-1403	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	1,256.64	101.61
28 46 13 31-1404	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	1,173.77	33.87
28 46 13 31-1405	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	1,158.97	101.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1406	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	1,130.41	101.61
28 46 13 31-1407		**Network Control Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1408	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	2,815.62	101.61
28 46 13 31-1409	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	105.55	20.32
28 46 13 31-1410	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	75.47	20.32
28 46 13 31-1411		**FIRSTVISION Firefighter's Display** *(28 46 13 31-1125)*		
28 46 13 31-1412	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	21,708.92	677.39
28 46 13 31-1413		**FlashScan Addressable Modules** *(28 46 13 31-1125)*		
28 46 13 31-1414	EA	Intelligent Addressable Control Module (Notifier FCM-1)	240.32	33.87
28 46 13 31-1415	EA	Addressable Dual Monitor Module (Notifier FDM-1)	268.82	33.87
28 46 13 31-1416	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	199.15	33.87
28 46 13 31-1417	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	176.99	33.87
28 46 13 31-1418	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	368.56	33.87
28 46 13 31-1419	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	195.03	33.87
28 46 13 31-1420	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	303.65	33.87
28 46 13 31-1421	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	195.99	33.87
28 46 13 31-1422		**Addressable Device Bases And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1423	EA	Intelligent Detector Base With Flange (Notifier B710LP)	67.79	16.93
28 46 13 31-1424	EA	Weatherproof Device Housing (Notifier DH400OE-1)	623.47	33.87
28 46 13 31-1425	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	63.05	16.93
28 46 13 31-1426	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	330.20	16.93
28 46 13 31-1427	EA	Swift AV Base Wall (Notifier WAV-RL)	330.20	16.93
28 46 13 31-1428		**XP6/XP10 Transponder** *(28 46 13 31-1125)*		
28 46 13 31-1429	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	176.19	33.87
28 46 13 31-1430	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	897.38	33.87
28 46 13 31-1431	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,087.37	33.87
28 46 13 31-1432	EA	Six Relay Control Module (Notifier XP6-R)	862.55	33.87
28 46 13 31-1433	EA	Ten Input Monitor Module (Notifier XP10-M)	1,039.87	33.87
28 46 13 31-1434		**LCD Display Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1435	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,145.26	101.61
28 46 13 31-1436	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,612.33	101.61
28 46 13 31-1437	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,669.33	101.61
28 46 13 31-1438	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	941.87	33.87
28 46 13 31-1439	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	501.37	33.87
28 46 13 31-1440	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,218.75	33.87
28 46 13 31-1441	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	816.34	101.61
28 46 13 31-1442		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1443	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	541.42	33.87
28 46 13 31-1444	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,190.29	33.87
28 46 13 31-1445	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	910.04	33.87
28 46 13 31-1446	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,190.29	33.87
28 46 13 31-1447	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	910.04	33.87
28 46 13 31-1448	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	910.04	33.87
28 46 13 31-1449	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	815.05	33.87
28 46 13 31-1450	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	910.04	33.87
28 46 13 31-1451	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	815.05	33.87
28 46 13 31-1452		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-1125)*		
28 46 13 31-1453	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	366.64	67.74
28 46 13 31-1454	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	399.89	67.74
28 46 13 31-1455	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	459.08	84.67
28 46 13 31-1456	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	501.83	84.67
28 46 13 31-1457	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	810.23	118.54
28 46 13 31-1458	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	144.34	20.32
28 46 13 31-1459	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	231.27	67.74
28 46 13 31-1460	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	166.78	16.93
28 46 13 31-1461	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	292.22	67.74
28 46 13 31-1462	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	523.99	84.67
28 46 13 31-1463	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	307.02	16.93
28 46 13 31-1464	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	852.98	118.54
28 46 13 31-1465	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	514.99	20.32
28 46 13 31-1466	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	204.18	27.10
28 46 13 31-1467	EA	Annunciator Key Switch (Notifier AKS-1B)	117.86	10.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1468	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	135.03	33.87
28 46 13 31-1469	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	815.05	33.87
28 46 13 31-1470	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	205.20	6.77
28 46 13 31-1471	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	256.68	6.77
28 46 13 31-1472	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	670.97	33.87
28 46 13 31-1473	EA	Lamp Driver Module (Notifier LDM-R32)	1,000.22	33.87
28 46 13 31-1474	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	928.14	33.87
28 46 13 31-1475	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	263.55	6.77
28 46 13 31-1476	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	239.15	20.32
28 46 13 31-1477	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	124.78	20.32
28 46 13 31-1478	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	124.78	20.32
28 46 13 31-1479	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	228.85	20.32
28 46 13 31-1480	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	228.85	20.32
28 46 13 31-1481	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	608.37	33.87

28 46 13 31-1482 Network Gateways *(28 46 13 31-1125)*

28 46 13 31-1483	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	4,726.30	33.87
28 46 13 31-1484	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	3,512.07	33.87
28 46 13 31-1485	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	3,959.89	33.87
28 46 13 31-1486	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	4,365.63	33.87
28 46 13 31-1487	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	3,543.62	33.87
28 46 13 31-1488	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	3,447.45	33.87
28 46 13 31-1489	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	3,884.75	33.87
28 46 13 31-1490	EA	Modbus Gateway (Notifier MODBUS-GW)	3,869.72	33.87
28 46 13 31-1491	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	4,477.48	22.36
28 46 13 31-1492	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	6,671.51	22.36
28 46 13 31-1493	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	21,203.20	22.36
28 46 13 31-1494	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	638.15	50.80
28 46 13 31-1495	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,156.39	50.80
28 46 13 31-1496	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,680.73	50.80
28 46 13 31-1497	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,779.27	
28 46 13 31-1498	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,455.96	33.87
28 46 13 31-1499	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,455.96	33.87
28 46 13 31-1500	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	5,372.48	33.87
28 46 13 31-1501	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	6,259.11	33.87
28 46 13 31-1502	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	5,372.48	33.87
28 46 13 31-1503	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,455.96	33.87
28 46 13 31-1504	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,463.28	
28 46 13 31-1505	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	39,047.21	812.86
28 46 13 31-1506	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,845.35	
28 46 13 31-1507	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,845.35	
28 46 13 31-1508	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,630.61	33.87
28 46 13 31-1509	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	1,325.55	33.87
28 46 13 31-1510	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,579.52	33.87
28 46 13 31-1511	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,764.36	33.87
28 46 13 31-1512	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	3,689.39	33.87
28 46 13 31-1513	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,213.88	33.87
28 46 13 31-1514	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,438.80	
28 46 13 31-1515	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	2,262.41	22.36
28 46 13 31-1516	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	524.36	33.87

28 46 13 31-1517 NOTI-FIRE-NET Network Components *(28 46 13 31-1125)*

28 46 13 31-1518	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,455.96	33.87
28 46 13 31-1519	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,535.44	33.87
28 46 13 31-1520	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,455.96	33.87
28 46 13 31-1521	EA	Wired Network Communications Module (Notifier NCM-W)	1,462.61	33.87
28 46 13 31-1522	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	144.57	16.93

28 46 13 31-1523 FireWarden Addressable Fire Panels *(28 46 13 31-1125)*

28 46 13 31-1524	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,866.81	677.39
28 46 13 31-1525	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,428.88	677.39
28 46 13 31-1526	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,918.49	338.69
28 46 13 31-1527	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,918.49	338.69
28 46 13 31-1528	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,900.46	338.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1529	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	4,516.59	677.39
28 46 13 31-1530	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	3,170.11	677.39
28 46 13 31-1531		**FireWarden Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1532	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	236.62	50.80
28 46 13 31-1533	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	225.18	50.80
28 46 13 31-1534		**FireWarden Devices** *(28 46 13 31-1125)*		
28 46 13 31-1535	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	194.40	33.87
28 46 13 31-1536	EA	Intelligent Addressable Control Module (Notifier NC-100)	232.40	33.87
28 46 13 31-1537	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	222.90	33.87
28 46 13 31-1538	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	510.50	50.80
28 46 13 31-1539	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	617.63	50.80
28 46 13 31-1540	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	222.90	33.87
28 46 13 31-1541	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	225.11	50.80
28 46 13 31-1542	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	225.11	50.80
28 46 13 31-1543	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	225.11	50.80
28 46 13 31-1544	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	307.44	50.80
28 46 13 31-1545	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	191.24	33.87
28 46 13 31-1546	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	173.03	33.87
28 46 13 31-1547	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	261.69	33.87
28 46 13 31-1548	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	236.19	50.80
28 46 13 31-1549	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	294.15	33.87
28 46 13 31-1550	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,062.04	33.87
28 46 13 31-1551		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1552	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,875.47	541.91
28 46 13 31-1553	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,079.71	541.91
28 46 13 31-1554	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,600.08	169.34
28 46 13 31-1555	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,839.02	169.34
28 46 13 31-1556	EA	Class A Converter Module (Notifier CAC-4)	448.74	33.87
28 46 13 31-1557	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	164.49	20.32
28 46 13 31-1558	EA	Remote Zone Annunciator (Notifier RZA-4X)	242.34	50.80
28 46 13 31-1559	EA	Red, Dress Panel (Notifier DP-51050)	197.96	20.32
28 46 13 31-1560	EA	Black, Dress Panel (Notifier DP-51050B)	200.25	20.32
28 46 13 31-1561		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1562	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	2,930.14	677.39
28 46 13 31-1563	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,150.44	508.04
28 46 13 31-1564	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,741.41	338.69
28 46 13 31-1565	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	2,741.41	338.69
28 46 13 31-1566	EA	Class A Converter Module (Notifier N-CAC-5X)	464.76	33.87
28 46 13 31-1567	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	177.94	20.32
28 46 13 31-1568	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	4,798.75	508.04
28 46 13 31-1569	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	3,176.13	338.69
28 46 13 31-1570	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	3,144.57	338.69
28 46 13 31-1571		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-1125)*		
28 46 13 31-1572	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	5,099.58	677.39
28 46 13 31-1573	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	3,814.58	508.04
28 46 13 31-1574	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,373.46	677.39
28 46 13 31-1575	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,491.97	677.39
28 46 13 31-1576	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	880.85	101.61
28 46 13 31-1577	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	5,838.31	677.39
28 46 13 31-1578	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	4,352.43	508.04
28 46 13 31-1579	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,992.25	677.39
28 46 13 31-1580		**Smoke Detectors** *(28 46 13 31-1125)*		
28 46 13 31-1581	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	329.60	50.80
28 46 13 31-1582	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	560.76	50.80
28 46 13 31-1583	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,530.03	50.80

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28 46 13 31-1584	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	212.59	50.80
28 46 13 31-1585	EA	Filters For Harsh Detector (Notifier RF-FTX)	25.95	
28 46 13 31-1586	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	198.76	33.87
28 46 13 31-1587	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	2,575.15	50.80
28 46 13 31-1588	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	220.89	50.80
28 46 13 31-1589	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	239.77	50.80
28 46 13 31-1590	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	230.33	50.80
28 46 13 31-1591	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	247.49	50.80
28 46 13 31-1592	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	231.47	50.80
28 46 13 31-1593	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	248.63	50.80
28 46 13 31-1594	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	190.85	50.80
28 46 13 31-1595	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	190.85	50.80
28 46 13 31-1596	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	206.87	50.80
28 46 13 31-1597	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	206.87	50.80
28 46 13 31-1598	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	190.85	50.80
28 46 13 31-1599	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	206.87	50.80
28 46 13 31-1600	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	488.33	50.80
28 46 13 31-1601	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	522.66	50.80
28 46 13 31-1602	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	487.19	50.80
28 46 13 31-1603	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	449.43	50.80
28 46 13 31-1604	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	409.39	50.80
28 46 13 31-1605	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	409.39	50.80
28 46 13 31-1606	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	301.84	50.80
28 46 13 31-1607	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,974.22	50.80
28 46 13 31-1608	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	4,876.03	50.80

28 46 13 31-1609 Pull Stations *(28 46 13 31-1125)*

28 46 13 31-1610	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	37.35	6.77
28 46 13 31-1611	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	84.04	16.93
28 46 13 31-1612	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	81.47	16.93
28 46 13 31-1613	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	115.82	33.87
28 46 13 31-1614	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	126.27	33.87
28 46 13 31-1615	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	167.38	33.87
28 46 13 31-1616	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	115.82	33.87
28 46 13 31-1617	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	131.15	33.87
28 46 13 31-1618	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	131.15	33.87
28 46 13 31-1619	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	131.15	33.87
28 46 13 31-1620	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	124.88	33.87
28 46 13 31-1621	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	133.94	33.87
28 46 13 31-1622	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	1,307.54	40.64
28 46 13 31-1623	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	110.19	33.87
28 46 13 31-1624	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	115.11	33.87
28 46 13 31-1625	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	133.05	33.87
28 46 13 31-1626	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	310.87	40.64
28 46 13 31-1627	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	169.28	33.87
28 46 13 31-1628	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	143.25	33.87
28 46 13 31-1629	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	263.28	33.87
28 46 13 31-1630	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	59.54	6.77
28 46 13 31-1631	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	476.02	40.64

28 46 13 31-1632 Rate Compensation Heat Detectors *(28 46 13 31-1125)*

28 46 13 31-1633	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	240.94	50.80
28 46 13 31-1634	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	240.94	50.80

28 46 13 31-1635 FM Series Door Releases *(28 46 13 31-1125)*

28 46 13 31-1636	EA	1/2" Door Holder Spacer (Notifier FM900-50)	39.32	10.16
28 46 13 31-1637	EA	3/4" Door Holder Spacer (Notifier FM900-75)	39.32	10.16
28 46 13 31-1638	EA	1" Door Holder Spacer (Notifier FM900-100)	39.32	10.16
28 46 13 31-1639	EA	Door Holder Extension Kit (Notifier FM900)	41.69	10.16
28 46 13 31-1640	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	42.49	10.16
28 46 13 31-1641	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	269.24	50.80
28 46 13 31-1642	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	234.61	50.80
28 46 13 31-1643	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	234.61	50.80

28 46 13 31-1644 Multicriteria Fire Detector *(28 46 13 31-1125)*

28 46 13 31-1645	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	359.04	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1646	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	357.90	50.80
28 46 13 31-1647	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	236.62	50.80
28 46 13 31-1648	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	244.63	50.80
28 46 13 31-1649	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	359.04	50.80
28 46 13 31-1650		**Modules** *(28 46 13 31-1125)*		
28 46 13 31-1651	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	423.57	33.87
28 46 13 31-1652	EA	Addressable Firephone Control Module (Notifier FTM-1)	264.53	33.87
28 46 13 31-1653	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	409.84	33.87
28 46 13 31-1654	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	472.77	33.87
28 46 13 31-1655	EA	Wireless Sync Module (Notifier W-SYNC)	613.24	33.87
28 46 13 31-1656		**DH Series Door Releases** *(28 46 13 31-1125)*		
28 46 13 31-1657	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	224.89	50.80
28 46 13 31-1658	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	238.91	50.80
28 46 13 31-1659	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	252.07	50.80
28 46 13 31-1660	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	248.63	50.80
28 46 13 31-1661	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	260.07	50.80
28 46 13 31-1662	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	269.80	50.80
28 46 13 31-1663	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	224.89	50.80
28 46 13 31-1664	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	237.19	50.80
28 46 13 31-1665	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	252.07	50.80
28 46 13 31-1666	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	283.53	50.80
28 46 13 31-1667	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	301.84	50.80
28 46 13 31-1668	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	323.00	50.80
28 46 13 31-1669	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	328.15	50.80
28 46 13 31-1670	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	349.89	50.80
28 46 13 31-1671	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	376.21	50.80
28 46 13 31-1672	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	26.08	6.77
28 46 13 31-1673	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	26.08	6.77
28 46 13 31-1674	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	28.42	6.77
28 46 13 31-1675	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	26.08	6.77
28 46 13 31-1676	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	26.08	6.77
28 46 13 31-1677	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	28.42	6.77
28 46 13 31-1678	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	27.28	6.77
28 46 13 31-1679	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	27.28	6.77
28 46 13 31-1680	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	28.42	6.77
28 46 13 31-1681	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	29.74	6.77
28 46 13 31-1682	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	29.74	6.77
28 46 13 31-1683	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	29.74	6.77
28 46 13 31-1684	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	30.94	6.77
28 46 13 31-1685	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	30.94	6.77
28 46 13 31-1686	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	30.94	6.77
28 46 13 31-1687	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	32.26	6.77
28 46 13 31-1688	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	32.26	6.77
28 46 13 31-1689	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	33.46	6.77
28 46 13 31-1690	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	33.46	6.77
28 46 13 31-1691	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	34.77	6.77
28 46 13 31-1692	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	38.49	6.77
28 46 13 31-1693	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	37.23	6.77
28 46 13 31-1694	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.98	6.77
28 46 13 31-1695	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	38.49	6.77
28 46 13 31-1696	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	36.51	10.16
28 46 13 31-1697	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	37.71	10.16
28 46 13 31-1698	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	41.54	10.16
28 46 13 31-1699	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	66.43	10.16
28 46 13 31-1700	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	70.09	10.16
28 46 13 31-1701	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	73.75	10.16
28 46 13 31-1702	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	62.47	16.93
28 46 13 31-1703	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	64.99	16.93
28 46 13 31-1704	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	70.03	16.93
28 46 13 31-1705	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	
28 46 13 31-1706		**First Command** *(28 46 13 31-1125)*		
28 46 13 31-1707	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	8,300.98	846.73
28 46 13 31-1708	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	8,391.14	846.73
28 46 13 31-1709	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	2,463.48	67.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1710	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	2,531.10	67.74
28 46 13 31-1711	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	4,568.84	67.74
28 46 13 31-1712	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	4,719.12	67.74
28 46 13 31-1713	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	707.92	33.87
28 46 13 31-1714	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	707.92	33.87
28 46 13 31-1715	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	529.98	33.87
28 46 13 31-1716	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	952.87	33.87
28 46 13 31-1717	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	3,359.12	67.74
28 46 13 31-1718	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	3,286.99	67.74
28 46 13 31-1719	EA	Black, Remote Microphone (Notifier NFC-RM)	975.32	
28 46 13 31-1720	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,768.54	67.74
28 46 13 31-1721	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	402.98	33.87
28 46 13 31-1722	EA	Firefighters Phone Jack (Notifier N-FPJ)	183.36	10.16
28 46 13 31-1723	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.90	10.16
28 46 13 31-1724	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	165.64	20.32

28 46 13 31-1725 LED Displays *(28 46 13 31-1125)*

28 46 13 31-1726	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	2,654.02	40.64
28 46 13 31-1727	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	3,731.53	54.19
28 46 13 31-1728	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	3,775.11	54.19
28 46 13 31-1729	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	3,624.84	54.19
28 46 13 31-1730	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	5,082.52	54.19
28 46 13 31-1731	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	3,850.25	54.19

28 46 13 31-1732 Control Relays *(28 46 13 31-1125)*

28 46 13 31-1733	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	82.73	16.93
28 46 13 31-1734	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	63.39	16.93
28 46 13 31-1735	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	225.06	33.87
28 46 13 31-1736	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	125.69	16.93
28 46 13 31-1737	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	149.43	16.93
28 46 13 31-1738	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	231.35	33.87
28 46 13 31-1739	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	231.35	33.87
28 46 13 31-1740	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	120.37	33.87
28 46 13 31-1741	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	68.42	16.93
28 46 13 31-1742	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	245.66	33.87
28 46 13 31-1743	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	88.56	33.87
28 46 13 31-1744	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	88.56	33.87
28 46 13 31-1745	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	88.56	33.87

28 46 13 31-1746 Gamewell-FCI Fire Control Instruments *(28 46 13 31-1125)*

28 46 13 31-1747 7100 Series And NetSOLO® *(28 46 13 31-1746)*

28 46 13 31-1748 7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 13 31-1747)*

28 46 13 31-1749	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,236.43	406.44
28 46 13 31-1750	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	5,306.51	677.39
28 46 13 31-1751	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,799.52	677.39
28 46 13 31-1752	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	5,306.51	677.39
28 46 13 31-1753	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,799.52	677.39
28 46 13 31-1754	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,654.42	
28 46 13 31-1755	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,984.25	
28 46 13 31-1756	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,984.25	67.74

28 46 13 31-1757 NetSOLO® Intelligent Network *(28 46 13 31-1747)*

28 46 13 31-1758	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,201.24	67.74
28 46 13 31-1759	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,748.16	67.74

28 46 13 31-1760 Components And Accessories *(28 46 13 31-1747)*

28 46 13 31-1761	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,084.15	50.80
28 46 13 31-1762	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	822.91	67.74
28 46 13 31-1763	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,512.07	67.74
28 46 13 31-1764	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	607.65	67.74
28 46 13 31-1765	EA	Enclosure Box (Gamewell-FCI EN-7100)	491.41	135.48
28 46 13 31-1766	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,581.47	33.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1767		**E3 Series® Basic System** *(28 46 13 31-1746)*		
28 46 13 31-1768	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,451.80	67.74
28 46 13 31-1769	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,247.68	67.74
28 46 13 31-1770	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,451.80	67.74
28 46 13 31-1771	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,247.68	67.74
28 46 13 31-1772	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	923.65	67.74
28 46 13 31-1773	EA	Power Supply Module (Gamewell-FCI PM-9)	1,210.48	67.74
28 46 13 31-1774	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	1,018.65	67.74
28 46 13 31-1775	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	1,009.02	33.87
28 46 13 31-1776	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	577.77	67.74
28 46 13 31-1777	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,553.09	67.74
28 46 13 31-1778	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,300.74	67.74
28 46 13 31-1779	EA	Local Operating Console (Gamewell-FCI 1100-0455)	868.06	50.80
28 46 13 31-1780	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,803.07	50.80
28 46 13 31-1781	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,110.37	67.74
28 46 13 31-1782	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,390.03	67.74
28 46 13 31-1783	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	778.09	135.48
28 46 13 31-1784	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	571.29	135.48
28 46 13 31-1785	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	125.18	33.87
28 46 13 31-1786	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	777.65	67.74
28 46 13 31-1787	EA	LED Driver module (Gamewell-FCI ANU-48)	777.65	67.74
28 46 13 31-1788	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,349.92	50.80
28 46 13 31-1789		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1790		**Velociti® Series Sensors And Bases** *(28 46 13 31-1789)*		
28 46 13 31-1791	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	243.96	50.80
28 46 13 31-1792	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	249.16	50.80
28 46 13 31-1793	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	264.79	50.80
28 46 13 31-1794	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	202.29	50.80
28 46 13 31-1795	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	210.97	50.80
28 46 13 31-1796	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	202.29	50.80
28 46 13 31-1797	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	301.24	50.80
28 46 13 31-1798	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	665.79	50.80
28 46 13 31-1799	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	559.92	84.67
28 46 13 31-1800	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	629.36	84.67
28 46 13 31-1801	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	303.01	
28 46 13 31-1802	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	61.64	16.93
28 46 13 31-1803	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	717.87	50.80
28 46 13 31-1804	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	142.37	16.93
28 46 13 31-1805	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,546.72	101.61
28 46 13 31-1806		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1789)*		
28 46 13 31-1807	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	177.97	33.87
28 46 13 31-1808	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	288.20	33.87
28 46 13 31-1809	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	195.33	33.87
28 46 13 31-1810	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	276.05	33.87
28 46 13 31-1811	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	230.05	33.87
28 46 13 31-1812	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	238.73	33.87
28 46 13 31-1813	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	332.51	67.74
28 46 13 31-1814	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	246.54	33.87
28 46 13 31-1815	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	39.59	6.77
28 46 13 31-1816		**Components And Accessories** *(28 46 13 31-1789)*		
28 46 13 31-1817	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	97.59	27.10
28 46 13 31-1818	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	48.80	13.55
28 46 13 31-1819	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	52.27	13.55
28 46 13 31-1820	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	62.51	16.93
28 46 13 31-1821	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	101.40	20.32
28 46 13 31-1822	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	151.40	27.10
28 46 13 31-1823		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1789)*		
28 46 13 31-1824	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	131.12	50.80
28 46 13 31-1825	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	131.12	50.80
28 46 13 31-1826	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	128.73	50.80
28 46 13 31-1827	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	128.73	50.80
28 46 13 31-1828		**NAC Expander/Power Supply** *(28 46 13 31-1789)*		
28 46 13 31-1829	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,333.70	541.91
28 46 13 31-1830	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	2,003.87	541.91
28 46 13 31-1831	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	2,168.79	541.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1832		**Batteries And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1833	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	366.32	33.87
28 46 13 31-1834	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	932.23	33.87
28 46 13 31-1835	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	192.73	33.87
28 46 13 31-1836	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	449.68	67.74
28 46 13 31-1837	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	449.68	67.74
28 46 13 31-1838	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	399.34	67.74
28 46 13 31-1839		**Electronic Door Holders** *(28 46 13 31-1746)* Note: Rixson products.		
28 46 13 31-1840	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	64.59	6.77
28 46 13 31-1841	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	518.23	50.80
28 46 13 31-1842	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	707.45	50.80
28 46 13 31-1843	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	329.71	50.80
28 46 13 31-1844	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	314.09	50.80
28 46 13 31-1845	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	329.71	50.80
28 46 13 31-1846	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	329.02	50.80
28 46 13 31-1847		**Fire Alarm Programming** *(28 46 13 31-1746)* Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1848	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1849	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1850	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1851		**Fire-Lite Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1852		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1851)*		
28 46 13 31-1853	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,291.62	270.95
28 46 13 31-1854	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,647.75	304.82
28 46 13 31-1855	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,418.83	338.69
28 46 13 31-1856	EA	Loop Expander Module (Fire-Lite SLC-3LS)	701.29	50.80
28 46 13 31-1857	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	202.33	33.87
28 46 13 31-1858	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	281.22	33.87
28 46 13 31-1859	EA	Battery Back Box (Fire-Lite BB-26)	172.62	20.32
28 46 13 31-1860	EA	Battery Box (Fire-Lite BB-55F)	312.65	20.32
28 46 13 31-1861	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	88.62	13.55
28 46 13 31-1862	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	728.60	33.87
28 46 13 31-1863	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,551.46	67.74
28 46 13 31-1864	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	843.02	33.87
28 46 13 31-1865	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	870.69	33.87
28 46 13 31-1866	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	347.93	33.87
28 46 13 31-1867	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	423.22	33.87
28 46 13 31-1868	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	371.59	33.87
28 46 13 31-1869	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	371.59	33.87
28 46 13 31-1870	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	301.08	33.87
28 46 13 31-1871	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	294.69	33.87
28 46 13 31-1872	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	163.78	50.80
28 46 13 31-1873	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	181.19	50.80
28 46 13 31-1874	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	186.18	50.80
28 46 13 31-1875	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	317.85	50.80
28 46 13 31-1876	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	157.55	50.80
28 46 13 31-1877	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	174.89	50.80
28 46 13 31-1878	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	203.17	50.80
28 46 13 31-1879	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	598.74	50.80
28 46 13 31-1880	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	233.96	50.80
28 46 13 31-1881	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	163.78	50.80
28 46 13 31-1882	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	205.81	50.80
28 46 13 31-1883	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	228.08	50.80
28 46 13 31-1884	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	173.10	50.80
28 46 13 31-1885	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	205.23	50.80
28 46 13 31-1886	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	199.26	50.80
28 46 13 31-1887	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	230.04	50.80
28 46 13 31-1888	EA	Low-Profile, Intelligent, 'Adapt' Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	225.14	50.80
28 46 13 31-1889	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	143.67	33.87
28 46 13 31-1890	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	163.89	33.87
28 46 13 31-1891	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	185.67	33.87
28 46 13 31-1892	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	189.34	33.87
28 46 13 31-1893	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,606.52	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1894	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	1,835.94	50.80
28 46 13 31-1895	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	269.50	33.87
28 46 13 31-1896	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	168.67	33.87
28 46 13 31-1897	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	252.50	33.87
28 46 13 31-1898	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	109.21	20.32
28 46 13 31-1899	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	539.39	33.87
28 46 13 31-1900	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	165.87	33.87
28 46 13 31-1901	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	452.57	33.87
28 46 13 31-1902	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	89.46	16.93
28 46 13 31-1903	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	406.75	33.87
28 46 13 31-1904	EA	Dual Monitor Module (Fire-Lite MDF-300)	199.09	33.87
28 46 13 31-1905	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	89.22	16.93
28 46 13 31-1906	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	582.78	33.87
28 46 13 31-1907	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	120.07	27.10
28 46 13 31-1908	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	169.27	33.87
28 46 13 31-1909	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	576.53	33.87
28 46 13 31-1910	EA	Mount For Modules (Fire-Lite SMB500)	17.99	3.39
28 46 13 31-1911		**Addressable Control Panels** *(28 46 13 31-1851)*		
28 46 13 31-1912	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,409.28	677.39
28 46 13 31-1913	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,665.85	677.39
28 46 13 31-1914	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,738.67	677.39
28 46 13 31-1915	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,541.18	677.39
28 46 13 31-1916	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	5,425.73	677.39
28 46 13 31-1917	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	713.45	
28 46 13 31-1918		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1919		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1918)*		
28 46 13 31-1920	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,488.43	338.69
28 46 13 31-1921		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1918)*		
28 46 13 31-1922	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	4,711.18	338.69
28 46 13 31-1923		**Compatable EVS Equipment** *(28 46 13 31-1918)*		
28 46 13 31-1924	EA	50 Watt Amplifier (Silent Knight EVS-50W)	861.73	67.74
28 46 13 31-1925	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,491.04	67.74
28 46 13 31-1926	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	1,847.05	67.74
28 46 13 31-1927	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	666.10	67.74
28 46 13 31-1928	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	627.92	67.74
28 46 13 31-1929	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	225.56	16.93
28 46 13 31-1930	EA	Remote Voice Module (Silent Knight EVS-RVM)	986.92	27.10
28 46 13 31-1931	EA	24 Switch Expander (Silent Knight EVS-SW24)	400.47	33.87
28 46 13 31-1932	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,179.17	27.10
28 46 13 31-1933	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,599.76	67.74
28 46 13 31-1934		**Compatable SBUS Devices** *(28 46 13 31-1918)*		
28 46 13 31-1935	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	968.82	67.74
28 46 13 31-1936	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	449.31	67.74
28 46 13 31-1937	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	530.00	67.74
28 46 13 31-1938	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	357.83	67.74
28 46 13 31-1939	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	452.34	67.74
28 46 13 31-1940	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	476.60	67.74
28 46 13 31-1941	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	371.48	50.80
28 46 13 31-1942	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	226.54	33.87
28 46 13 31-1943	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	302.01	33.87
28 46 13 31-1944		**SK Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1945	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	170.60	50.80
28 46 13 31-1946	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	881.97	50.80
28 46 13 31-1947	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	997.31	50.80
28 46 13 31-1948	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,122.40	50.80
28 46 13 31-1949	EA	Supervised Control Module (Silent Knight SK-CONTROL)	169.08	50.80
28 46 13 31-1950	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	475.60	67.74
28 46 13 31-1951	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	262.64	50.80
28 46 13 31-1952	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	238.86	50.80
28 46 13 31-1953	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	264.55	50.80
28 46 13 31-1954	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	156.82	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1955	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	160.73	50.80
28 46 13 31-1956	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	158.36	50.80
28 46 13 31-1957	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	160.73	50.80
28 46 13 31-1958	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	156.82	50.80
28 46 13 31-1959	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	160.73	50.80
28 46 13 31-1960	EA	Fault Isolator Module (Silent Knight SK-ISO)	156.82	50.80
28 46 13 31-1961	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	146.07	50.80
28 46 13 31-1962	EA	Monitor Module (Silent Knight SK-MONITOR)	154.02	50.80
28 46 13 31-1963	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	193.63	50.80
28 46 13 31-1964	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	533.27	67.74
28 46 13 31-1965	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	159.89	50.80
28 46 13 31-1966	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	167.93	50.80
28 46 13 31-1967	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	162.18	50.80
28 46 13 31-1968	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	170.34	50.80
28 46 13 31-1969	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	166.02	50.80
28 46 13 31-1970	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	174.16	50.80
28 46 13 31-1971	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	183.77	50.80
28 46 13 31-1972	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	145.29	33.87
28 46 13 31-1973	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	145.29	33.87
28 46 13 31-1974	EA	Addressable Relay Module (Silent Knight SK-RELAY)	135.21	33.87
28 46 13 31-1975	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	463.77	67.74
28 46 13 31-1976	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	293.30	50.80
28 46 13 31-1977	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	181.36	50.80
28 46 13 31-1978	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	553.98	67.74
28 46 13 31-1979		**SK Bases** *(28 46 13 31-1918)*		
28 46 13 31-1980	EA	6" Mounting Base (Silent Knight B210LP)	46.52	16.93
28 46 13 31-1981	EA	4" Flangeless Mounting Base (Silent Knight B501)	49.08	16.93
28 46 13 31-1982	EA	Intelligent Sounder Base (Silent Knight B200S)	89.07	16.93
28 46 13 31-1983	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	121.29	16.93
28 46 13 31-1984	EA	Relay Base (Silent Knight B224RB)	74.37	16.93
28 46 13 31-1985	EA	Isolator Base (Silent Knight B224BI)	73.58	16.93
28 46 13 31-1986		**SD Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1987	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	44.91	16.93
28 46 13 31-1988	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	58.38	16.93
28 46 13 31-1989	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	148.54	16.93
28 46 13 31-1990	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	153.59	16.93
28 46 13 31-1991	EA	Addressable Input Module (Silent Knight SD500-AIM)	256.10	50.80
28 46 13 31-1992	EA	Addressable Notification Module (Silent Knight SD500-ANM)	245.78	50.80
28 46 13 31-1993	EA	Addressable Relay Module (Silent Knight SD500-ARM)	263.63	50.80
28 46 13 31-1994		**System Expanders** *(28 46 13 31-1918)*		
28 46 13 31-1995	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	528.57	67.74
28 46 13 31-1996	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	469.01	67.74
28 46 13 31-1997	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	801.23	33.87
28 46 13 31-1998	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	589.82	101.61
28 46 13 31-1999		**Miscellaneous Accessories** *(28 46 13 31-1918)*		
28 46 13 31-2000	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	145.95	33.87
28 46 13 31-2001		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-2002	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,804.46	338.69
28 46 13 31-2003	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,400.82	203.21
28 46 13 31-2004	EA	Voice Evacuation System (Silent Knight SKE-450)	2,881.51	135.48
28 46 13 31-2005	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,387.62	135.48
28 46 13 31-2006	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,537.57	203.21
28 46 13 31-2007	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,813.76	135.48
28 46 13 31-2008	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,382.33	135.48
28 46 13 31-2009	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,189.56	135.48
28 46 13 31-2010	EA	Ionization Smoke Detector (Silent Knight SK-ION)	225.91	50.80
28 46 13 31-2011	EA	Sounder Base (Silent Knight B200SR)	128.67	16.93
28 46 13 31-2012	EA	Intelligent Sounder Base (Silent Knight B200S)	136.36	16.93
28 46 13 31-2013	EA	Isolator Base (Silent Knight B224BI)	106.92	16.93
28 46 13 31-2014	EA	Relay Base (Silent Knight B224RB)	108.18	16.93
28 46 13 31-2015	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	221.00	50.80
28 46 13 31-2016	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	187.99	50.80
28 46 13 31-2017	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	206.66	50.80
28 46 13 31-2018	EA	6" Isolator Base (Silent Knight SD505-6IB)	135.10	16.93
28 46 13 31-2019	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	895.74	101.61
28 46 13 31-2020	EA	Loop Isolation Module (Silent Knight SD500-LIM)	214.36	50.80
28 46 13 31-2021	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	168.97	33.87
28 46 13 31-2022	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	218.27	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2023	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	208.40	33.87
28 46 13 31-2024	EA	Back Box (Silent Knight SK-PSSMBB)	95.51	27.10
28 46 13 31-2025	EA	Smoke Detector Module (Silent Knight SD500-SDM)	239.79	50.80
28 46 13 31-2026	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	313.47	50.80
28 46 13 31-2027	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	508.63	50.80
28 46 13 31-2028	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	211.80	50.80
28 46 13 31-2029	EA	Intelligent Power Module (Silent Knight 5895XL)	1,291.89	135.48
28 46 13 31-2030	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	208.40	33.87
28 46 13 31-2031	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	726.75	101.61
28 46 13 31-2032	EA	Communicator (Silent Knight IPGSM-4G)	1,078.06	67.74
28 46 13 31-2033	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,703.23	135.48
28 46 13 31-2034	EA	10 Zone Expander (Silent Knight SK-5217)	477.18	33.87
28 46 13 31-2035	EA	Remote Annunciator (Silent Knight SK-5235)	477.47	67.74
28 46 13 31-2036	EA	Status Display Module (Silent Knight 5280)	138.23	33.87
28 46 13 31-2037	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	968.24	135.48
28 46 13 31-2038	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	987.27	135.48
28 46 13 31-2039	EA	Dress Panel (Silent Knight SK-DP2/4)	183.05	33.87
28 46 13 31-2040	EA	Class A Convertor (Silent Knight SK-CAC4)	477.32	50.80
28 46 13 31-2041	EA	Transmitter Module (Silent Knight SK-4XTM	252.14	50.80
28 46 13 31-2042	EA	LED Interface Module (Silent Knight SK-4XLM	232.39	50.80
28 46 13 31-2043	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	238.00	33.87
28 46 13 31-2044	EA	Remote Annunciator (Silent Knight SK-RZA4)	232.39	50.80
28 46 13 31-2045	EA	Zone Relay Module (Silent Knight SK-4XZM)	249.66	50.80
28 46 13 31-2046	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	837.33	135.48
28 46 13 31-2047	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	115.52	33.87
28 46 13 31-2048	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	125.05	33.87
28 46 13 31-2049	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	122.38	33.87
28 46 13 31-2050	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	109.30	33.87
28 46 13 31-2051	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	244.16	40.64
28 46 13 31-2052	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	845.76	101.61
28 46 13 31-2053	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	950.47	101.61
28 46 13 31-2054	EA	Detector (Silent Knight IDP-PhotoR)	291.52	50.80
28 46 13 31-2055	EA	Monitoring Module (Silent Knight IDP)	301.52	50.80
28 46 13 31-2056	EA	I/O Input-Output Module (Silent Knight SK-2880)	767.42	33.87
28 46 13 31-2057	EA	Remote Annunciator (Silent Knight RA-2000)	2,202.31	101.61
28 46 13 31-2058	EA	Power Supply (Silent Knight 5195/96)	1,367.16	33.87
28 46 13 31-2059	EA	8 Zone Expander (Silent Knight SK-5210)	1,067.29	33.87
28 46 13 31-2060	EA	LCD Remote Annunciator (Silent Knight SK-5230)	453.38	67.74
28 46 13 31-2061	EA	Ionization Smoke Detector (Silent Knight SK-ION)	225.91	50.80
28 46 13 31-2062	EA	Addressable Relay Module (Silent Knight IDP-Relay)	251.54	50.80
28 46 13 31-2063	EA	Telephone Line Monitor (Silent Knight SK-7150)	157.70	33.87
28 46 13 31-2064	EA	Serial Driver Board (Silent Knight SK-2884)	289.64	33.87
28 46 13 31-2065	EA	Smoke Detector Base (Silent Knight IDP-6AB)	83.85	16.93
28 46 13 31-2066	EA	Mini Input Module (Silent Knight IDP-MINIMON)	217.67	33.87
28 46 13 31-2067	EA	Status Display Module (Silent Knight SK-4180)	787.42	33.87
28 46 13 31-2068	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	467.56	33.87
28 46 13 31-2069	EA	Serial Parallel Module (Silent Knight SK-4824)	427.58	33.87
28 46 13 31-2070	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,567.06	33.87
28 46 13 31-2071	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,669.87	135.48
28 46 13 31-2072	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	301.52	50.80
28 46 13 31-2073	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	251.54	50.80
28 46 13 31-2074		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2075	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	617.57	10.16
28 46 13 31-2076		**Cooper Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2077	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	208.47	33.87
28 46 13 31-2078	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,819.26	57.58
28 46 13 31-2079	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,357.10	57.58
28 46 13 31-2080	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,317.52	67.74
28 46 13 31-2081	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,331.19	67.74
28 46 13 31-2082	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,331.19	67.74
28 46 13 31-2083	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,726.30	67.74
28 46 13 31-2084	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,726.30	67.74
28 46 13 31-2085	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,726.30	67.74
28 46 13 31-2086	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,331.19	67.74
28 46 13 31-2087	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,331.19	67.74
28 46 13 31-2088	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,331.19	67.74
28 46 13 31-2089	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,331.19	67.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2090	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,331.19	67.74
28 46 13 31-2091	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,684.89	67.74
28 46 13 31-2092	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,493.51	67.74
28 46 13 31-2093	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,493.51	67.74
28 46 13 31-2094	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,493.51	67.74
28 46 13 31-2095		**Light Engineered Displays Message Boards** *(28 46 13 31)*		
28 46 13 31-2096	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	994.92	40.64
28 46 13 31-2097	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	877.33	40.64
28 46 13 31-2098		**Safety Technology International Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2099		**Enclosures** *(28 46 13 31-2098)*		
28 46 13 31-2100	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	138.51	20.32
28 46 13 31-2101	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	177.84	20.32
28 46 13 31-2102	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	141.14	20.32
28 46 13 31-2103	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	178.71	20.32
28 46 13 31-2104	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	144.63	20.32
28 46 13 31-2105	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	204.93	20.32
28 46 13 31-2106	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	150.75	20.32
28 46 13 31-2107	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	204.06	20.32
28 46 13 31-2108	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	161.24	20.32
28 46 13 31-2109	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	220.66	20.32
28 46 13 31-2110	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	190.07	20.32
28 46 13 31-2111	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	283.58	20.32
28 46 13 31-2112	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	204.06	20.32
28 46 13 31-2113	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	355.24	20.32
28 46 13 31-2114	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	216.29	20.32
28 46 13 31-2115	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	365.72	20.32
28 46 13 31-2116	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	255.61	20.32
28 46 13 31-2117	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	375.34	20.32
28 46 13 31-2118	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	365.72	20.32
28 46 13 31-2119	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	538.75	20.32
28 46 13 31-2120	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	105.31	20.32
28 46 13 31-2121	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	114.05	20.32
28 46 13 31-2122	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	109.24	20.32
28 46 13 31-2123	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	116.67	20.32
28 46 13 31-2124	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	112.74	20.32
28 46 13 31-2125	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	121.47	20.32
28 46 13 31-2126	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	114.05	20.32
28 46 13 31-2127	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	131.96	20.32
28 46 13 31-2128	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	119.29	20.32
28 46 13 31-2129	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	135.46	20.32
28 46 13 31-2130	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	124.10	20.32
28 46 13 31-2131	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	137.64	20.32
28 46 13 31-2132	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	125.41	20.32
28 46 13 31-2133	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	142.01	20.32
28 46 13 31-2134	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	145.51	20.32
28 46 13 31-2135	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	178.71	20.32
28 46 13 31-2136	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	159.49	20.32
28 46 13 31-2137	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	211.92	20.32
28 46 13 31-2138	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	176.09	20.32
28 46 13 31-2139	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	226.78	20.32
28 46 13 31-2140	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	198.81	20.32
28 46 13 31-2141	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	264.35	20.32
28 46 13 31-2142	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	311.54	20.32
28 46 13 31-2143	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	325.52	20.32
28 46 13 31-2144	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	465.35	20.32
28 46 13 31-2145	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	537.88	20.32
28 46 13 31-2146		**STI® Fire Alarm Devices** *(28 46 13 31-2098)*		
28 46 13 31-2147	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	164.29	20.32
28 46 13 31-2148	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	178.71	20.32
28 46 13 31-2149	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	108.15	20.32
28 46 13 31-2150	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	109.02	20.32
28 46 13 31-2151	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	97.66	20.32
28 46 13 31-2152	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	109.02	20.32
28 46 13 31-2153	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	89.14	20.32
28 46 13 31-2154	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	200.56	20.32
28 46 13 31-2155	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	135.89	20.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2156	EA	Backplate For Polycarbonate Cover (STI-1280)	68.25	20.32
28 46 13 31-2157	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	51.13	20.32
28 46 13 31-2158	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	69.22	20.32
28 46 13 31-2159	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	151.19	20.32
28 46 13 31-2160	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	126.28	20.32
28 46 13 31-2161	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	94.82	20.32
28 46 13 31-2162	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	90.01	20.32
28 46 13 31-2163	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	87.17	20.32
28 46 13 31-2164	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	90.01	20.32
28 46 13 31-2165	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	87.17	20.32
28 46 13 31-2166	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	90.01	20.32
28 46 13 31-2167	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	87.17	20.32
28 46 13 31-2168	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	165.17	20.32
28 46 13 31-2169	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	81.45	20.32
28 46 13 31-2170	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	114.12	20.32
28 46 13 31-2171	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	120.60	20.32
28 46 13 31-2172	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	120.60	20.32
28 46 13 31-2173	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	89.14	20.32
28 46 13 31-2174	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	89.14	20.32
28 46 13 31-2175	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	81.45	20.32
28 46 13 31-2176	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	89.14	20.32
28 46 13 31-2177	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	89.14	20.32
28 46 13 31-2178	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	137.79	10.16
28 46 13 31-2179	EA	Gasket Kit For STI Covers (STI SUB-121)	57.52	
28 46 13 31-2180	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	211.92	20.32
28 46 13 31-2181	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	118.85	20.32
28 46 13 31-2182	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	118.85	20.32
28 46 13 31-2183	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	211.92	20.32
28 46 13 31-2184	EA	Flush Mounted, Weather Stopper II (STI-1250)	127.37	20.32
28 46 13 31-2185	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	87.17	20.32
28 46 13 31-2186	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	144.19	20.32
28 46 13 31-2187	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	103.56	20.32
28 46 13 31-2188	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	112.30	20.32
28 46 13 31-2189	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	121.47	20.32
28 46 13 31-2190	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	121.47	20.32
28 46 13 31-2191	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	160.36	20.32
28 46 13 31-2192	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	169.10	20.32
28 46 13 31-2193	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	199.69	20.32
28 46 13 31-2194	EA	Stopper II, Weather Gasket (STI-3002)	50.21	20.32
28 46 13 31-2195	EA	Large, Break Glass Stopper (STI-4100)	120.60	20.32
28 46 13 31-2196	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	116.67	20.32
28 46 13 31-2197	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	112.95	20.32
28 46 13 31-2198	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	288.82	20.32
28 46 13 31-2199	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	3,938.14	20.32
28 46 13 31-2200	EA	Stainless Steel Guard (STI-9604SS)	83.46	20.32
28 46 13 31-2201	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	75.81	20.32
28 46 13 31-2202		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2203		**Smoke Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2204	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	64.46	6.77
28 46 13 31-2205	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	268.70	6.77
28 46 13 31-2206	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	334.56	67.74
28 46 13 31-2207	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	247.03	67.74
28 46 13 31-2208	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	202.41	67.74
28 46 13 31-2209	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	204.52	50.80
28 46 13 31-2210	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	184.85	50.80
28 46 13 31-2211	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	215.61	50.80
28 46 13 31-2212	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	208.09	50.80
28 46 13 31-2213	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	196.29	50.80
28 46 13 31-2214	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	221.15	50.80
28 46 13 31-2215	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	286.15	50.80
28 46 13 31-2216	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	166.85	33.87
28 46 13 31-2217	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	190.77	33.87
28 46 13 31-2218	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	310.75	16.93
28 46 13 31-2219	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	107.38	16.93
28 46 13 31-2220	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	209.43	50.80
28 46 13 31-2221		**Duct Smoke Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2222	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	401.38	50.80
28 46 13 31-2223	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	397.94	50.80
28 46 13 31-2224	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	521.32	57.58
28 46 13 31-2225	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	262.25	33.87
28 46 13 31-2226	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	71.23	10.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2227	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	224.67	27.10
28 46 13 31-2228	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	364.07	33.87
28 46 13 31-2229	EA	1' Steel Sampling Tube (System Sensor DST1)	41.86	13.55
28 46 13 31-2230	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	45.75	13.55
28 46 13 31-2231	EA	3' Steel Sampling Tube (System Sensor DST3)	51.64	13.55
28 46 13 31-2232	EA	5' Steel Sampling Tube (System Sensor DST5)	66.33	16.93
28 46 13 31-2233	EA	10' Steel Sampling Tube (System Sensor DST10)	97.73	20.32
28 46 13 31-2234	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	47.35	13.55
28 46 13 31-2235	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	107.10	16.93
28 46 13 31-2236	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2237	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2238		**Heat Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2239	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	134.86	50.80
28 46 13 31-2240	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	128.73	50.80
28 46 13 31-2241	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	149.09	50.80
28 46 13 31-2242	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	149.09	50.80
28 46 13 31-2243	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	162.90	50.80
28 46 13 31-2244	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	162.90	50.80
28 46 13 31-2245		**Horns** *(28 46 13 31-2202)*		
28 46 13 31-2246	EA	Red, Mini Horn (System Sensor MHR)	137.94	50.80
28 46 13 31-2247	EA	White, Mini Horn (System Sensor MHW)	137.94	50.80
28 46 13 31-2248	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	139.71	50.80
28 46 13 31-2249	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	174.99	57.58
28 46 13 31-2250	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	139.71	50.80
28 46 13 31-2251	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	204.52	50.80
28 46 13 31-2252	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	140.28	50.80
28 46 13 31-2253	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	140.28	50.80
28 46 13 31-2254		**Wall Mounted Horns/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2255	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	187.42	50.80
28 46 13 31-2256	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	241.73	50.80
28 46 13 31-2257	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	275.33	57.58
28 46 13 31-2258	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	269.04	57.58
28 46 13 31-2259	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	281.34	57.58
28 46 13 31-2260	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	274.47	57.58
28 46 13 31-2261	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	261.03	57.58
28 46 13 31-2262	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	227.18	50.80
28 46 13 31-2263	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	183.42	50.80
28 46 13 31-2264	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	187.42	50.80
28 46 13 31-2265	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	243.43	50.80
28 46 13 31-2266	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	266.75	57.58
28 46 13 31-2267	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	269.04	57.58
28 46 13 31-2268	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	241.73	50.80
28 46 13 31-2269	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	283.05	57.58
28 46 13 31-2270	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	261.03	57.58
28 46 13 31-2271	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	182.56	50.80
28 46 13 31-2272	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	223.46	50.80
28 46 13 31-2273	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	261.52	50.80
28 46 13 31-2274	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	301.98	57.58
28 46 13 31-2275	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	255.31	57.58
28 46 13 31-2276	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	223.46	50.80
28 46 13 31-2277	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	306.53	57.58
28 46 13 31-2278	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	269.61	57.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2279	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	273.23	50.80
28 46 13 31-2280	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	273.23	50.80
28 46 13 31-2281	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	186.85	50.80
28 46 13 31-2282	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	186.85	50.80
28 46 13 31-2283		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2284	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	190.28	50.80
28 46 13 31-2285	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	245.14	50.80
28 46 13 31-2286	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	266.75	57.58
28 46 13 31-2287	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	259.31	57.58
28 46 13 31-2288	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	233.18	50.80
28 46 13 31-2289	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	190.28	50.80
28 46 13 31-2290	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	245.14	50.80
28 46 13 31-2291	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	266.75	57.58
28 46 13 31-2292	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	245.14	50.80
28 46 13 31-2293	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	259.31	57.58
28 46 13 31-2294	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	231.47	50.80
28 46 13 31-2295	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	224.89	50.80
28 46 13 31-2296	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	261.52	50.80
28 46 13 31-2297	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	224.89	50.80
28 46 13 31-2298		**Wall Mounted Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2299	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	85.24	16.93
28 46 13 31-2300	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	162.30	16.93
28 46 13 31-2301	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	169.97	50.80
28 46 13 31-2302	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	220.36	50.80
28 46 13 31-2303	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	268.73	57.58
28 46 13 31-2304	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	265.56	57.58
28 46 13 31-2305	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	240.43	57.58
28 46 13 31-2306	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	212.40	57.58
28 46 13 31-2307	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	168.54	50.80
28 46 13 31-2308	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	169.40	50.80
28 46 13 31-2309	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	182.84	50.80
28 46 13 31-2310	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	219.51	50.80
28 46 13 31-2311	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	229.76	50.80
28 46 13 31-2312	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	228.06	50.80
28 46 13 31-2313	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	228.06	50.80
28 46 13 31-2314	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	243.87	57.58
28 46 13 31-2315	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	241.29	57.58
28 46 13 31-2316	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	243.29	57.58
28 46 13 31-2317	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	246.72	57.58
28 46 13 31-2318	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	239.00	57.58
28 46 13 31-2319	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	240.15	57.58
28 46 13 31-2320	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	168.26	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2321	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	29.28	6.77
28 46 13 31-2322	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	29.28	6.77
28 46 13 31-2323	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	29.28	6.77
28 46 13 31-2324	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	29.28	6.77
28 46 13 31-2325	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	172.26	50.80
28 46 13 31-2326	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	169.11	50.80
28 46 13 31-2327	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	29.28	6.77
28 46 13 31-2328	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	29.28	6.77
28 46 13 31-2329	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	29.28	6.77
28 46 13 31-2330	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	29.28	6.77
28 46 13 31-2331	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	248.12	50.80
28 46 13 31-2332	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	248.12	50.80
28 46 13 31-2333	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	245.01	57.58

28 46 13 31-2334 Ceiling Mounted Strobes *(28 46 13 31-2202)*

28 46 13 31-2335	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	173.12	50.80
28 46 13 31-2336	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	223.52	50.80
28 46 13 31-2337	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	268.73	57.58
28 46 13 31-2338	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	268.73	57.58
28 46 13 31-2339	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	173.12	50.80
28 46 13 31-2340	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	184.56	50.80
28 46 13 31-2341	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	233.18	50.80
28 46 13 31-2342	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	241.29	57.58
28 46 13 31-2343	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	239.00	57.58
28 46 13 31-2344	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	207.55	50.80
28 46 13 31-2345	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	29.28	6.77
28 46 13 31-2346	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	29.28	6.77
28 46 13 31-2347	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	29.28	6.77
28 46 13 31-2348	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	29.28	6.77

28 46 13 31-2349 Wall Mounted Speakers *(28 46 13 31-2202)*

28 46 13 31-2350	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	434.56	50.80
28 46 13 31-2351	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	146.80	50.80
28 46 13 31-2352	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	230.33	50.80
28 46 13 31-2353	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	194.10	57.58
28 46 13 31-2354	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	180.77	50.80
28 46 13 31-2355	EA	White, Wall Mounted Speaker (System Sensor SPWL)	146.80	50.80
28 46 13 31-2356	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	242.72	57.58
28 46 13 31-2357	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	164.42	50.80

28 46 13 31-2358 Ceiling Mounted Speakers *(28 46 13 31-2202)*

28 46 13 31-2359	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	143.66	50.80
28 46 13 31-2360	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	244.90	50.80
28 46 13 31-2361	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	180.77	50.80
28 46 13 31-2362	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	146.23	50.80
28 46 13 31-2363	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	187.05	50.80
28 46 13 31-2364	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	243.87	57.58

28 46 13 31-2365 Wall Mounted Speakers/Strobes *(28 46 13 31-2202)*

28 46 13 31-2366	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	160.30	16.93
28 46 13 31-2367	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	81.81	16.93
28 46 13 31-2368	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	233.19	50.80
28 46 13 31-2369	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	280.52	50.80
28 46 13 31-2370	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	374.81	57.58
28 46 13 31-2371	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	331.97	57.58
28 46 13 31-2372	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	284.48	57.58
28 46 13 31-2373	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	230.61	50.80
28 46 13 31-2374	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	271.02	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2375	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	234.33	50.80
28 46 13 31-2376	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	335.97	57.58
28 46 13 31-2377	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	233.19	50.80
28 46 13 31-2378	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	294.70	50.80
28 46 13 31-2379	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	294.70	50.80
28 46 13 31-2380	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	347.41	57.58
28 46 13 31-2381	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	330.82	57.58
28 46 13 31-2382	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	229.47	50.80
28 46 13 31-2383	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	284.44	50.80
28 46 13 31-2384	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	284.44	50.80

28 46 13 31-2385 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2202)*

28 46 13 31-2386	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	217.74	50.80
28 46 13 31-2387	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	283.69	50.80
28 46 13 31-2388	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	271.02	50.80
28 46 13 31-2389	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	217.74	50.80
28 46 13 31-2390	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	232.04	50.80
28 46 13 31-2391	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	294.70	50.80
28 46 13 31-2392	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	349.13	57.58
28 46 13 31-2393	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	294.70	50.80
28 46 13 31-2394	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	336.54	57.58
28 46 13 31-2395	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	347.41	57.58
28 46 13 31-2396	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	217.74	50.80
28 46 13 31-2397	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	284.44	50.80
28 46 13 31-2398	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	294.70	50.80
28 46 13 31-2399	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	284.44	50.80
28 46 13 31-2400	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	294.45	50.80

28 46 13 31-2401 Electric Alarm Bells *(28 46 13 31-2202)*

28 46 13 31-2402	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	180.27	50.80
28 46 13 31-2403	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	194.29	50.80
28 46 13 31-2404	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	209.73	50.80
28 46 13 31-2405	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	199.01	51.48
28 46 13 31-2406	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	201.26	51.48
28 46 13 31-2407	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	215.50	51.48

28 46 13 31-2408 Device Bases *(28 46 13 31-2202)*

28 46 13 31-2409	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	137.13	16.93
28 46 13 31-2410	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	132.84	16.93
28 46 13 31-2411	EA	Intelligent Isolator Base (System Sensor B224BI)	109.67	16.93
28 46 13 31-2412	EA	Intelligent Relay Base (System Sensor B224RB)	110.81	16.93
28 46 13 31-2413	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	69.57	16.93
28 46 13 31-2414	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	137.13	16.93
28 46 13 31-2415	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	132.84	16.93
28 46 13 31-2416	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	197.48	16.93
28 46 13 31-2417	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	197.48	16.93
28 46 13 31-2418	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	191.19	16.93
28 46 13 31-2419	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	153.13	16.93
28 46 13 31-2420	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	130.26	16.93
28 46 13 31-2421	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	109.67	16.93
28 46 13 31-2422	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	102.81	16.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2423	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	110.81	16.93
28 46 13 31-2424	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	104.24	16.93
28 46 13 31-2425	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	69.57	16.93
28 46 13 31-2426	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	69.57	16.93
28 46 13 31-2427	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	62.13	16.93
28 46 13 31-2428	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	200.92	16.93
28 46 13 31-2429	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	200.92	16.93
28 46 13 31-2430	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	193.48	16.93
28 46 13 31-2431	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	55.32	16.93
28 46 13 31-2432	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	62.47	16.93
28 46 13 31-2433	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	62.06	16.93
28 46 13 31-2434	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	123.51	20.32

28 46 13 31-2435 Boxes, Plates And Decals *(28 46 13 31-2202)*

28 46 13 31-2436	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	62.70	16.93
28 46 13 31-2437	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	93.71	16.93
28 46 13 31-2438	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	101.95	16.93
28 46 13 31-2439	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	93.71	16.93
28 46 13 31-2440	EA	Red Retrofit Plate (System Sensor RFP)	43.43	10.16
28 46 13 31-2441	EA	White Retrofit Plate (System Sensor RFPW)	43.09	10.16
28 46 13 31-2442	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	79.41	16.93
28 46 13 31-2443	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	89.25	16.93
28 46 13 31-2444	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	63.39	16.93
28 46 13 31-2445	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	63.39	16.93
28 46 13 31-2446	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	55.04	16.93
28 46 13 31-2447	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	61.33	16.93
28 46 13 31-2448	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	61.33	16.93
28 46 13 31-2449	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	55.04	16.93
28 46 13 31-2450	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	61.21	16.93
28 46 13 31-2451	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	55.32	16.93
28 46 13 31-2452	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	20.09	6.77
28 46 13 31-2453	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	29.51	
28 46 13 31-2454	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	40.96	
28 46 13 31-2455	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	29.51	
28 46 13 31-2456	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	40.96	
28 46 13 31-2457	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	22.18	6.77
28 46 13 31-2458	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	22.18	6.77
28 46 13 31-2459	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	22.18	6.77
28 46 13 31-2460	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	22.18	6.77
28 46 13 31-2461	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	55.04	16.93
28 46 13 31-2462	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	55.04	16.93
28 46 13 31-2463	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	26.71	6.77
28 46 13 31-2464	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	26.71	6.77
28 46 13 31-2465	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	26.71	6.77
28 46 13 31-2466	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	26.71	6.77
28 46 13 31-2467	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	26.71	6.77
28 46 13 31-2468	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	26.71	6.77
28 46 13 31-2469	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	26.71	6.77
28 46 13 31-2470	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	26.71	6.77
28 46 13 31-2471	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	26.71	6.77
28 46 13 31-2472	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	26.71	6.77
28 46 13 31-2473	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.71	6.77
28 46 13 31-2474	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	26.71	6.77
28 46 13 31-2475	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	29.11	6.77
28 46 13 31-2476	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	29.11	6.77
28 46 13 31-2477	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	29.11	6.77
28 46 13 31-2478	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	29.11	6.77
28 46 13 31-2479	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	29.11	6.77
28 46 13 31-2480	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	26.71	6.77
28 46 13 31-2481	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	26.71	6.77
28 46 13 31-2482	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	26.71	6.77
28 46 13 31-2483	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.71	6.77
28 46 13 31-2484	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	26.71	6.77
28 46 13 31-2485	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	26.71	6.77
28 46 13 31-2486	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	29.11	6.77
28 46 13 31-2487	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	29.11	6.77
28 46 13 31-2488	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	29.11	6.77
28 46 13 31-2489	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	29.11	6.77
28 46 13 31-2490	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	29.11	6.77
28 46 13 31-2491	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	26.71	6.77
28 46 13 31-2492	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	26.71	6.77
28 46 13 31-2493	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2494	EA	Control Module Barrier (System Sensor CB500)	40.00	10.16
28 46 13 31-2495	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	36.91	10.16
28 46 13 31-2496	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	44.29	10.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2497	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	162.19	10.16
28 46 13 31-2498	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	234.85	10.16
28 46 13 31-2499	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	234.85	10.16
28 46 13 31-2500	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	30.45	10.16
28 46 13 31-2501	EA	Black Faceplate (System Sensor FP-BLACK-BP)	29.62	10.16
28 46 13 31-2502	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	30.05	10.16
28 46 13 31-2503	EA	White Faceplate (System Sensor FP-WHITE-BP)	28.64	10.16
28 46 13 31-2504	EA	White, Back Box (System Sensor SMB500-WH)	52.35	16.93
28 46 13 31-2505	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	20.70	6.77
28 46 13 31-2506	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	29.05	6.77
28 46 13 31-2507	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	31.39	10.16
28 46 13 31-2508	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	26.71	6.77
28 46 13 31-2509	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	29.11	6.77
28 46 13 31-2510	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	29.11	6.77
28 46 13 31-2511	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	29.11	6.77
28 46 13 31-2512	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	29.11	6.77
28 46 13 31-2513	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	29.11	6.77
28 46 13 31-2514	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	26.71	6.77
28 46 13 31-2515	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	26.71	6.77
28 46 13 31-2516	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	26.71	6.77
28 46 13 31-2517	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	79.86	16.93
28 46 13 31-2518	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	155.44	16.93

28 46 13 31-2519 Chimes *(28 46 13 31-2202)*

28 46 13 31-2520	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	197.04	50.80
28 46 13 31-2521	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	174.26	50.80

28 46 13 31-2522 Chime/Strobes *(28 46 13 31-2202)*

28 46 13 31-2523	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	250.35	50.80
28 46 13 31-2524	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	250.35	50.80
28 46 13 31-2525	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	252.07	50.80
28 46 13 31-2526	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	252.07	50.80

28 46 13 31-2527 Carbon Monoxide Detectors *(28 46 13 31-2202)*

28 46 13 31-2528	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	335.76	67.74
28 46 13 31-2529	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	248.06	50.80
28 46 13 31-2530	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	20.46	6.77
28 46 13 31-2531	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	368.20	50.80
28 46 13 31-2532	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	281.93	67.74
28 46 13 31-2533	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	380.78	50.80

28 46 13 31-2534 Switches *(28 46 13 31-2202)*

28 46 13 31-2535	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	223.52	27.10
28 46 13 31-2536	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	249.27	27.10
28 46 13 31-2537	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	223.52	27.10
28 46 13 31-2538	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	249.27	27.10
28 46 13 31-2539	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	232.68	27.10
28 46 13 31-2540	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	217.80	27.10

28 46 13 31-2541 Low Frequency Sounders *(28 46 13 31-2202)*

28 46 13 31-2542	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	234.89	50.80
28 46 13 31-2543	EA	White, Low Frequency Sounder (System Sensor HW-LF)	234.89	50.80
28 46 13 31-2544	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	206.01	50.80
28 46 13 31-2545	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	206.01	50.80
28 46 13 31-2546	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	204.58	50.80
28 46 13 31-2547	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	204.58	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2548		**Sync Modules** *(28 46 13 31-2202)*		
28 46 13 31-2549	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	179.29	33.87
28 46 13 31-2550	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	176.43	33.87
28 46 13 31-2551		**Relays** *(28 46 13 31-2202)*		
28 46 13 31-2552	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	102.47	27.10
28 46 13 31-2553	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	66.02	16.93
28 46 13 31-2554	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	188.33	16.93
28 46 13 31-2555	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	139.13	16.93
28 46 13 31-2556	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	110.14	27.10
28 46 13 31-2557	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	68.08	16.93
28 46 13 31-2558	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	211.79	16.93
28 46 13 31-2559	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	158.87	16.93
28 46 13 31-2560	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	57.67	16.93
28 46 13 31-2561	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	57.67	16.93
28 46 13 31-2562	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	57.67	16.93
28 46 13 31-2563		**Remote Annunciator** *(28 46 13 31-2202)*		
28 46 13 31-2564	EA	Remote Annunciator (System Sensor RA100Z)	137.65	50.80
28 46 13 31-2565	EA	Remote LED Annunciator (System Sensor RA100ZA)	134.74	50.80
28 46 13 31-2566	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	167.14	50.80
28 46 13 31-2567		**Remote Test Station** *(28 46 13 31-2202)*		
28 46 13 31-2568	EA	Remote Test Station With Key (System Sensor RTS151KEY)	212.02	50.80
28 46 13 31-2569		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2570	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	805.80	67.74
28 46 13 31-2571		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2572		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2573	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	276.19	50.80
28 46 13 31-2574		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2575	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	276.19	50.80
28 46 13 31-2576	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	276.19	50.80
28 46 13 31-2577		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2578	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	181.88	50.80
28 46 13 31-2579	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	206.30	50.80
28 46 13 31-2580		**Wall Mounted Horns/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2581	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	185.61	50.80
28 46 13 31-2582	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	296.40	50.80
28 46 13 31-2583	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	246.35	50.80
28 46 13 31-2584	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	246.35	50.80
28 46 13 31-2585	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	281.03	50.80
28 46 13 31-2586	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	206.89	50.80
28 46 13 31-2587	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	204.69	50.80
28 46 13 31-2588	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	226.13	57.58
28 46 13 31-2589	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	184.74	50.80
28 46 13 31-2590	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	184.74	50.80
28 46 13 31-2591	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	203.82	50.80
28 46 13 31-2592	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	246.35	50.80
28 46 13 31-2593	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	246.35	50.80
28 46 13 31-2594		**Ceiling Mounted Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2595	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	173.99	50.80
28 46 13 31-2596	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	173.99	50.80
28 46 13 31-2597	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	187.42	50.80
28 46 13 31-2598	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	167.41	50.80
28 46 13 31-2599	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	185.39	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2600	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	186.93	50.80
28 46 13 31-2601	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	187.59	50.80
28 46 13 31-2602	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	196.29	50.80
28 46 13 31-2603		**Wall Mounted Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2604	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	259.96	50.80
28 46 13 31-2605	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	210.40	50.80
28 46 13 31-2606	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	236.60	50.80
28 46 13 31-2607	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	172.23	50.80
28 46 13 31-2608	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	172.23	50.80
28 46 13 31-2609	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	183.64	50.80
28 46 13 31-2610	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	192.35	57.58
28 46 13 31-2611	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	168.50	50.80
28 46 13 31-2612	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	168.50	50.80
28 46 13 31-2613	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	198.99	50.80
28 46 13 31-2614	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	174.21	50.80
28 46 13 31-2615	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	213.55	57.58
28 46 13 31-2616	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	210.02	50.80
28 46 13 31-2617		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2618	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	210.40	50.80
28 46 13 31-2619	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	210.40	50.80
28 46 13 31-2620	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	210.40	50.80
28 46 13 31-2621	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	212.59	50.80
28 46 13 31-2622	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	224.87	50.80
28 46 13 31-2623	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	241.98	50.80
28 46 13 31-2624	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	241.98	50.80
28 46 13 31-2625	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	214.34	50.80
28 46 13 31-2626	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	234.90	50.80
28 46 13 31-2627	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	248.63	50.80
28 46 13 31-2628	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	262.36	50.80
28 46 13 31-2629		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2571)*		
28 46 13 31-2630	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	325.45	50.80
28 46 13 31-2631	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	325.45	50.80
28 46 13 31-2632	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	224.87	50.80
28 46 13 31-2633	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	224.87	50.80
28 46 13 31-2634	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	210.40	50.80
28 46 13 31-2635	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	206.89	50.80
28 46 13 31-2636	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	224.87	50.80
28 46 13 31-2637	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	224.87	50.80
28 46 13 31-2638	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	322.03	50.80
28 46 13 31-2639	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	212.59	50.80
28 46 13 31-2640	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	210.84	50.80
28 46 13 31-2641	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	314.35	50.80
28 46 13 31-2642	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	322.03	50.80
28 46 13 31-2643	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	241.98	50.80
28 46 13 31-2644	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	241.98	50.80
28 46 13 31-2645	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	350.10	57.58
28 46 13 31-2646	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	194.17	50.80
28 46 13 31-2647	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	187.59	50.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2648	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	248.63	50.80
28 46 13 31-2649	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	262.36	50.80
28 46 13 31-2650	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	267.51	50.80
28 46 13 31-2651	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	276.09	50.80
28 46 13 31-2652	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	282.39	50.80
28 46 13 31-2653	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	278.38	50.80
28 46 13 31-2654	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	276.09	50.80

28 46 13 31-2655 Electric Alarm Bells *(28 46 13 31-2571)*

28 46 13 31-2656	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	205.13	50.80
28 46 13 31-2657	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	198.11	50.80
28 46 13 31-2658	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	245.05	50.80
28 46 13 31-2659	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,866.26	57.58
28 46 13 31-2660	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,010.27	57.58
28 46 13 31-2661	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,489.87	57.58
28 46 13 31-2662	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	165.43	50.80
28 46 13 31-2663	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	220.60	50.80
28 46 13 31-2664	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	168.07	50.80
28 46 13 31-2665	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	218.60	50.80

28 46 13 31-2666 Horns *(28 46 13 31-2571)*

28 46 13 31-2667	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	169.96	50.80
28 46 13 31-2668	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	140.74	50.80
28 46 13 31-2669	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	140.74	50.80
28 46 13 31-2670	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	141.70	50.80
28 46 13 31-2671	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	141.70	50.80
28 46 13 31-2672	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	125.47	50.80
28 46 13 31-2673	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	125.47	50.80
28 46 13 31-2674	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	141.70	50.80
28 46 13 31-2675	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	166.83	50.80

28 46 13 31-2676 Speakers *(28 46 13 31-2571)*

28 46 13 31-2677	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	144.51	50.80
28 46 13 31-2678	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	144.51	50.80
28 46 13 31-2679	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	144.51	50.80
28 46 13 31-2680	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	142.58	50.80
28 46 13 31-2681	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	144.51	50.80
28 46 13 31-2682	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	144.51	50.80
28 46 13 31-2683	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	144.51	50.80
28 46 13 31-2684	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	144.51	50.80
28 46 13 31-2685	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	165.65	50.80
28 46 13 31-2686	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	165.65	50.80
28 46 13 31-2687	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	167.41	50.80
28 46 13 31-2688	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	220.03	50.80
28 46 13 31-2689	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	200.01	50.80
28 46 13 31-2690	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	303.39	50.80
28 46 13 31-2691	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	303.39	50.80
28 46 13 31-2692	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	220.03	50.80
28 46 13 31-2693	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	222.32	50.80
28 46 13 31-2694	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	200.01	50.80
28 46 13 31-2695	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	290.97	50.80
28 46 13 31-2696	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	213.74	50.80

28 46 13 31-2697 Sync Modules *(28 46 13 31-2571)*

28 46 13 31-2698	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	201.02	33.87

28 46 13 31-2699 Boxes, Plates And Rings *(28 46 13 31-2571)*

28 46 13 31-2700	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	43.48	16.93
28 46 13 31-2701	EA	Standard 4" Square Box (Wheelock BB-STD)	42.79	16.93
28 46 13 31-2702	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	252.52	33.87
28 46 13 31-2703	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	252.52	33.87
28 46 13 31-2704	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	194.92	27.10
28 46 13 31-2705	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	22.15	6.77
28 46 13 31-2706	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	22.15	6.77
28 46 13 31-2707	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	53.87	16.93
28 46 13 31-2708	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	51.07	16.93
28 46 13 31-2709	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	53.87	16.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2710	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	53.87	16.93
28 46 13 31-2711	EA	4" Square Back Box (Wheelock DBB-R)	45.27	16.93
28 46 13 31-2712	EA	Red, Surface Back Box (Wheelock IOB-R)	52.03	16.93
28 46 13 31-2713	EA	White, Surface, Back Box (Wheelock IOB-W)	52.03	16.93
28 46 13 31-2714	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	21.23	6.77
28 46 13 31-2715	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	28.07	6.77
28 46 13 31-2716	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	28.07	6.77
28 46 13 31-2717	EA	Red Retrofit Plate (Wheelock RP-R)	24.95	6.77
28 46 13 31-2718	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	42.50	6.77
28 46 13 31-2719	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	54.31	16.93
28 46 13 31-2720	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	54.93	16.93
28 46 13 31-2721	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	58.17	16.93
28 46 13 31-2722	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	29.36	6.77
28 46 13 31-2723	EA	White, Semi-Flush Plate (Wheelock SFB-W)	29.36	6.77
28 46 13 31-2724	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	48.21	16.93
28 46 13 31-2725	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	48.21	16.93
28 46 13 31-2726	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	30.75	6.77
28 46 13 31-2727	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	53.52	16.93
28 46 13 31-2728	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	53.52	16.93
28 46 13 31-2729	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	53.52	16.93
28 46 13 31-2730	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	37.41	6.77
28 46 13 31-2731	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	37.41	6.77
28 46 13 31-2732	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	37.41	6.77
28 46 13 31-2733	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	37.41	6.77
28 46 13 31-2734	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	26.08	6.77
28 46 13 31-2735	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	64.99	16.93
28 46 13 31-2736	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	59.96	16.93
28 46 13 31-2737	EA	Red Plate For RSS (Wheelock RSSCP-R)	21.23	6.77
28 46 13 31-2738	EA	White Plate For RSS (Wheelock RSSCP-W)	21.23	6.77
28 46 13 31-2739	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	22.15	6.77
28 46 13 31-2740	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	22.15	6.77
28 46 13 31-2741	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	21.62	6.77
28 46 13 31-2742	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	150.85	6.77
28 46 13 31-2743	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	135.40	6.77
28 46 13 31-2744	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	133.11	6.77
28 46 13 31-2745	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	135.40	6.77
28 46 13 31-2746	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	24.25	6.77
28 46 13 31-2747	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	23.56	6.77
28 46 13 31-2748	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	24.76	6.77
28 46 13 31-2749	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	24.76	6.77
28 46 13 31-2750	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	23.56	6.77
28 46 13 31-2751	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	24.65	6.77
28 46 13 31-2752	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	24.65	6.77
28 46 13 31-2753	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	23.56	6.77
28 46 13 31-2754	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	23.56	6.77
28 46 13 31-2755	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	32.26	6.77
28 46 13 31-2756	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	32.60	6.77
28 46 13 31-2757	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	26.08	6.77
28 46 13 31-2758	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	24.76	6.77
28 46 13 31-2759	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	26.08	6.77
28 46 13 31-2760	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	64.99	16.93
28 46 13 31-2761	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	59.96	16.93
28 46 13 31-2762	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	59.96	16.93
28 46 13 31-2763		**Manual Pull Station** *(28 46 13 31-2571)*		
28 46 13 31-2764	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	147.05	33.87
28 46 13 31-2765	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	147.05	33.87
28 46 13 31-2766	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,265.38	33.87
28 46 13 31-2767		**Potter Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2768		**Electric Alarm Bells** *(28 46 13 31-2767)*		
28 46 13 31-2769	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	142.71	50.80
28 46 13 31-2770	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	155.69	50.80
28 46 13 31-2771	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	162.18	50.80
28 46 13 31-2772	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	142.71	50.80
28 46 13 31-2773	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	155.69	50.80
28 46 13 31-2774	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	162.18	50.80
28 46 13 31-2775	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	153.73	50.80
28 46 13 31-2776	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	159.95	50.80
28 46 13 31-2777	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	196.65	50.80
28 46 13 31-2778	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	144.58	50.80
28 46 13 31-2779	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	159.95	50.80
28 46 13 31-2780	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	172.81	50.80

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2781		Manual Pull Station *(28 46 13 31-2767)*		
28 46 13 31-2782	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	104.53	33.87
28 46 13 31-2783	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	110.43	33.87
28 46 13 31-2784	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	176.76	33.87
28 46 13 31-2785	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	114.09	33.87
28 46 13 31-2786	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	107.87	33.87
28 46 13 31-2787	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	197.51	33.87
28 46 13 31-2788	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	246.99	33.87
28 46 13 31-2789		Fire Alarm Terminal Cabinets *(28 46 13 31)*		
28 46 13 31-2790	EA	18 Point Lockable Fire Alarm Terminal Cabinet	274.29	67.89
28 46 13 31-2791	EA	32 Point Lockable Fire Alarm Terminal Cabinet	357.43	67.89
28 46 13 31-2792	EA	64 Point Lockable Fire Alarm Terminal Cabinet	523.67	67.89
28 46 13 31-2793	EA	128 Point Lockable Fire Alarm Terminal Cabinet	689.87	67.89
28 46 13 31-2794		Test And Certification Of Fire Alarm System To Tie In To Existing Systems *(28 46 13 31)*		
28 46 13 31-2795	HR	Test And Certification Of Fire Alarm System	336.44	
28 46 13 31-2796		Programming Of Existing Fire Alarm System *(28 46 13 31)*		
28 46 13 31-2797	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	269.15	
28 46 13 31-2798		Removal And Reinstallation Of Smoke Detector *(28 46 13 31)*		
		Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2799	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	189.67	
28 46 13 31-2800	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	152.41	
28 46 13 31-2801		Kidde Fire Safety Equipment *(28 46 13 31)*		
28 46 13 31-2802		Smoke Detectors *(28 46 13 31-2801)*		
28 46 13 31-2803	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	174.20	50.80
28 46 13 31-2804	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	153.72	50.80
28 46 13 31-2805	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	141.85	50.80
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	6.16	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.68	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.68	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	7.19	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.85	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	8.37	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	78.18	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	30.66	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	10.36	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	10.36	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	11.54	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	17.99	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	18.68	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.75	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.37	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.44	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 15		**Mass Notification Control Panels** *(28 47)*		
28 47 15 00-0001		Central Station Controls *(28 47 15)*		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	1,010.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,642.44	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,919.90	67.74
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,503.06	33.87
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,738.85	135.48
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	836.66	33.87
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	897.38	33.87

28 47 17 Notification Devices and Methods *(28 47)*

28 47 17 17 Notification Appliances and Methods Public Methods *(28 47 17)*

28 47 17 17-0001 Voice Capable Omni-Directional Speakers *(28 47 17 17)*

28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	14,271.77	870.33
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	17,408.28	908.17
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	20,506.01	946.02
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,603.75	983.85
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	26,779.02	1,021.69
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,086.55	1,059.53
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	35,223.05	1,097.38
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	38,992.77	1,135.21
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	42,090.50	1,173.05
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	45,227.01	1,210.90
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,923.51	1,059.53
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,935.73	1,097.38
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	547.14	33.87
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,290.44	33.87
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,290.44	33.87
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,070.76	33.87
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	2,006.14	33.87
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	505.95	33.87
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	646.68	33.87
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	671.85	33.87
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,261.49	33.87
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,510.13	33.87
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,510.13	33.87
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,510.13	33.87
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	897.38	33.87
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	623.07	33.87
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	416.71	33.87
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	317.16	33.87
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	173.57	33.87
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,176.78	50.80
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	11,199.87	832.49
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,632.16	203.21
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,350.16	50.80
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,350.16	50.80
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,350.16	50.80
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,350.16	50.80
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,350.16	50.80
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	820.14	50.80
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	820.14	50.80
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	820.14	50.80
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	642.79	50.80
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	642.79	50.80
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	642.79	50.80
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	642.79	50.80
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	642.79	50.80
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	911.59	33.87
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	677.57	33.87
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	677.57	33.87
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	443.35	50.80
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	582.16	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	938.44	33.87
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	472.77	33.87
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	173.57	33.87
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	928.14	33.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0058		**Tone Only, Omni-Alert Sirens** *(28 47 17 17)*		
28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1)	11,548.79	832.49
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2)	14,401.00	870.33
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3)	17,227.36	908.17
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4)	20,118.33	946.02
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	328.78	33.87
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	547.14	33.87
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,290.44	33.87
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,290.44	33.87
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,070.76	33.87
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	2,006.14	33.87
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	441.88	33.87
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	721.63	33.87
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	750.06	33.87
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,510.13	33.87
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,510.13	33.87
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,510.13	33.87
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,510.13	33.87
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	897.38	33.87
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	416.71	33.87
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	472.77	33.87
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	255.38	33.87
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,632.16	203.21
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	957.43	50.80
28 47 17 17-0082		**Tone-Only Rotating Directional Speakers** *(28 47 17 17)*		
28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3)	23,862.20	983.85
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4)	25,305.83	1,021.69
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	298.86	33.87
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	609.20	33.87
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,290.44	33.87
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,290.44	33.87
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,070.76	33.87
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	2,006.14	33.87
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	441.88	33.87
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	707.41	33.87
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	750.06	33.87
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,510.13	33.87
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,510.13	33.87
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,510.13	33.87
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,510.13	33.87
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	897.38	33.87
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	525.20	33.87
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	416.71	33.87
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	255.38	33.87
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	721.63	33.87
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,632.16	203.21
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	957.43	50.80
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,808.74	
28 47 17 17-0106		**Uni-Directional Rotating Speakers** *(28 47 17 17)*		
28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	15,253.90	870.33
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	298.86	33.87
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	609.20	33.87
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,290.44	33.87
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,290.44	33.87
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,070.76	33.87
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	2,006.14	33.87
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	490.31	33.87
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	634.09	33.87
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	671.85	33.87
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,510.13	33.87
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,510.13	33.87
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,510.13	33.87
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,510.13	33.87
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	897.38	33.87
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	472.77	33.87
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	416.71	33.87
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	255.38	33.87
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,632.16	203.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	668.42	33.87
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	957.43	50.80
28 47 17 17-0128		**All Hazard In-Plant Personnel Warning System** *(28 47 17 17)*		
28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,646.86	1,083.83
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	9,274.70	1,219.30
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	425.40	50.80
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	407.10	50.80
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	773.23	50.80
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	529.52	50.80
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,064.98	50.80
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,833.87	57.58
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	680.55	50.80
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,060.22	57.58
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	255.38	33.87
28 47 17 17-0140		**Firehouse Siren** *(28 47 17 17)*		
28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	298.86	33.87
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	441.88	33.87
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	707.41	33.87
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	671.85	33.87
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,510.13	33.87
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,510.13	33.87
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,510.13	33.87
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,510.13	33.87
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	416.71	33.87
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	255.38	33.87
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	4,632.16	203.21
28 47 17 17-0152		**Alert Monitor And Message Display** *(28 47 17 17)*		
28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,096.60	33.87
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,096.60	33.87
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,096.60	33.87
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,096.60	33.87
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	269.80	50.80
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	80.33	33.87
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	
28 47 17 17-0161		**Portable Test Set** *(28 47 17 17)*		
28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,438.52	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,438.52	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,438.52	
28 47 17 17-0165		**Replacement Warning Lights** *(28 47 17 17)*		
28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	419.59	54.19
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	419.59	54.19
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	419.59	54.19
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	419.59	54.19
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	419.59	54.19
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	450.48	54.19
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	296.02	54.19
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	445.90	54.19
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	445.90	54.19
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	445.90	54.19
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	419.59	54.19
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	419.59	54.19
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	419.59	54.19
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	419.59	54.19
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	419.59	54.19
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	468.79	54.19
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	468.79	54.19
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	307.46	54.19
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	307.46	54.19
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	307.46	54.19
28 47 17 17-0186		**Antenna** *(28 47 17 17)*		
28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	327.28	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	296.32	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,960.16	

28 47 21 Mass Notification System Interfaces *(28 47)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 21 21		**Notification Interfaces to Fire Detection and Alarm** *(28 47 21)*		
28 47 21 21-0001		Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*		
28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,560.69	338.69
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	486.54	27.10
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	430.37	33.87
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	443.46	33.87
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	232.74	33.87
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,341.31	67.74
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,051.84	16.93
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,024.65	67.74
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,752.37	67.74
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	2,770.47	67.74
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,357.95	33.87
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	425.59	33.87
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	106.84	33.87
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	57.83	13.55
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	757.48	13.55
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	159.30	13.55
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	298.11	33.87
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	380.44	33.87
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	284.75	33.87
28 49		**Electronic Personal Protection Systems** *(28 40)*		
28 49 11		**Electronic Personal Safety Detection Systems** *(28 49)*		
28 49 11 00-0001		Personnel Alarm Locating System *(28 49 11)* Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	25,235.38	1,087.96
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	199.85	
28 49 11 00-0004	EA	Lapel Reader	76.86	
28 49 11 00-0005	EA	IR Locator	281.29	40.73
28 49 11 00-0006	EA	Repeaters And Receivers	686.62	135.78
28 49 17		**Electronic Personal Safety Emergency Aid Devices** *(28 49)*		
28 49 17 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*		
28 49 17 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	366.35	81.47
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	434.68	95.04
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	437.90	95.04
28 49 17 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	269.51	50.91
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	262.37	40.73
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	122.05	40.73
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	212.55	40.73
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	244.90	40.73
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	278.48	40.73
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	386.42	40.73
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	432.86	40.73
28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	162.65	40.73
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	239.78	40.73
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	314.24	40.73
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	336.44	13.58
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	246.67	40.73
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	291.20	40.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	494.14	40.73
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	234.42	40.73
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	284.40	13.58
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	439.83	13.58
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	449.39	13.58
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	592.11	13.58

END OF SECTION 28

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer		792.47	
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper		1,207.11	
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader		1,048.40	

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand		40.52	
		For Up To 8, Add		*8.10*	
		For >8 To 16, Add		*4.05*	
		For >48 To 64, Deduct		*-3.02*	
		For >64 To 96, Deduct		*-5.05*	
		For >96 To 168, Deduct		*-7.07*	
		For >168 To 240, Deduct		*-8.58*	
		For >240, Deduct		*-10.09*	
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand		52.14	
		For Up To 8, Add		*10.43*	
		For >8 To 16, Add		*5.21*	
		For >48 To 64, Deduct		*-3.60*	
		For >64 To 96, Deduct		*-6.21*	
		For >96 To 168, Deduct		*-8.82*	
		For >168 To 240, Deduct		*-10.62*	
		For >240, Deduct		*-12.42*	
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand		67.35	
		For Up To 8, Add		*13.47*	
		For >8 To 16, Add		*6.74*	
		For >48 To 64, Deduct		*-4.36*	
		For >64 To 96, Deduct		*-7.73*	
		For >96 To 168, Deduct		*-11.10*	
		For >168 To 240, Deduct		*-13.28*	
		For >240, Deduct		*-15.46*	
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand		58.30	
		For Up To 8, Add		*11.66*	
		For >8 To 16, Add		*5.83*	
		For >48 To 64, Deduct		*-3.91*	
		For >64 To 96, Deduct		*-6.83*	
		For >96 To 168, Deduct		*-9.74*	
		For >168 To 240, Deduct		*-11.70*	
		For >240, Deduct		*-13.65*	
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand		102.40	
		For Up To 8, Add		*20.48*	
		For >8 To 16, Add		*10.24*	
		For >48 To 64, Deduct		*-6.12*	
		For >64 To 96, Deduct		*-11.24*	
		For >96 To 168, Deduct		*-16.36*	
		For >168 To 240, Deduct		*-19.41*	
		For >240, Deduct		*-22.47*	
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt		44.28	
		For Up To 8, Add		*8.86*	
		For >8 To 16, Add		*4.43*	
		For >48 To 64, Deduct		*-3.21*	
		For >64 To 96, Deduct		*-5.42*	
		For >96 To 168, Deduct		*-7.64*	
		For >168 To 240, Deduct		*-9.24*	
		For >240, Deduct		*-10.85*	
31 05 13 00-0008	CY	Lime Rock Screening		41.76	
		For Up To 8, Add		*8.35*	
		For >8 To 16, Add		*4.18*	
		For >48 To 64, Deduct		*-3.08*	
		For >64 To 96, Deduct		*-5.17*	
		For >96 To 168, Deduct		*-7.26*	
		For >168 To 240, Deduct		*-8.80*	
		For >240, Deduct		*-10.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	41.76	
		For Up To 8, Add	*8.35*	
		For >8 To 16, Add	*4.18*	
		For >48 To 64, Deduct	*-3.08*	
		For >64 To 96, Deduct	*-5.17*	
		For >96 To 168, Deduct	*-7.26*	
		For >168 To 240, Deduct	*-8.80*	
		For >240, Deduct	*-10.34*	
31 05 13 00-0010	CY	Sand/Clay	42.32	
		For Up To 8, Add	*8.46*	
		For >8 To 16, Add	*4.23*	
		For >48 To 64, Deduct	*-3.11*	
		For >64 To 96, Deduct	*-5.23*	
		For >96 To 168, Deduct	*-7.34*	
		For >168 To 240, Deduct	*-8.90*	
		For >240, Deduct	*-10.45*	
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.96	
		For Up To 8, Add	*7.59*	
		For >8 To 16, Add	*3.80*	
		For >48 To 64, Deduct	*-2.89*	
		For >64 To 96, Deduct	*-4.79*	
		For >96 To 168, Deduct	*-6.69*	
		For >168 To 240, Deduct	*-8.14*	
		For >240, Deduct	*-9.58*	
31 05 13 00-0012	CY	Pit Run Clay	55.43	
		For Up To 8, Add	*11.09*	
		For >8 To 16, Add	*5.54*	
		For >48 To 64, Deduct	*-3.77*	
		For >64 To 96, Deduct	*-6.54*	
		For >96 To 168, Deduct	*-9.31*	
		For >168 To 240, Deduct	*-11.19*	
		For >240, Deduct	*-13.08*	
31 05 13 00-0013	CY	Light Clay / Loam	51.19	
		For Up To 8, Add	*10.24*	
		For >8 To 16, Add	*5.12*	
		For >48 To 64, Deduct	*-3.55*	
		For >64 To 96, Deduct	*-6.11*	
		For >96 To 168, Deduct	*-8.67*	
		For >168 To 240, Deduct	*-10.45*	
		For >240, Deduct	*-12.23*	
31 05 13 00-0014	CY	Heavy Clay	61.70	
		For Up To 8, Add	*12.34*	
		For >8 To 16, Add	*6.17*	
		For >48 To 64, Deduct	*-4.08*	
		For >64 To 96, Deduct	*-7.17*	
		For >96 To 168, Deduct	*-10.25*	
		For >168 To 240, Deduct	*-12.29*	
		For >240, Deduct	*-14.33*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	54.19	
		For Up To 8, Add	*10.84*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.70*	
		For >64 To 96, Deduct	*-6.41*	
		For >96 To 168, Deduct	*-9.12*	
		For >168 To 240, Deduct	*-10.98*	
		For >240, Deduct	*-12.83*	
31 05 16 00-0003	CY	#3 (1" To 2" Clean) Stone Aggregate Fill	56.20	
		For Up To 8, Add	*11.24*	
		For >8 To 16, Add	*5.62*	
		For >48 To 64, Deduct	*-3.81*	
		For >64 To 96, Deduct	*-6.62*	
		For >96 To 168, Deduct	*-9.43*	
		For >168 To 240, Deduct	*-11.33*	
		For >240, Deduct	*-13.23*	
31 05 16 00-0004	CY	#4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	54.19	
		For Up To 8, Add	*10.84*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.70*	
		For >64 To 96, Deduct	*-6.41*	
		For >96 To 168, Deduct	*-9.12*	
		For >168 To 240, Deduct	*-10.98*	
		For >240, Deduct	*-12.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 (1/2" To 1" Clean) Stone Aggregate Fill	57.66	
		For Up To 8, Add	*11.53*	
		For >8 To 16, Add	*5.77*	
		For >48 To 64, Deduct	*-3.88*	
		For >64 To 96, Deduct	*-6.76*	
		For >96 To 168, Deduct	*-9.64*	
		For >168 To 240, Deduct	*-11.58*	
		For >240, Deduct	*-13.52*	
31 05 16 00-0006	CY	#6 (3/8" To 3/4" Clean) Stone Aggregate Fill	59.70	
		For Up To 8, Add	*11.94*	
		For >8 To 16, Add	*5.97*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-6.97*	
		For >96 To 168, Deduct	*-9.95*	
		For >168 To 240, Deduct	*-11.94*	
		For >240, Deduct	*-13.93*	
31 05 16 00-0007	CY	#56 (3/8" To 1") Stone Aggregate Fill	57.98	
		For Up To 8, Add	*11.60*	
		For >8 To 16, Add	*5.80*	
		For >48 To 64, Deduct	*-3.89*	
		For >64 To 96, Deduct	*-6.79*	
		For >96 To 168, Deduct	*-9.69*	
		For >168 To 240, Deduct	*-11.64*	
		For >240, Deduct	*-13.59*	
31 05 16 00-0008	CY	#57 (3/8" To 1") Stone Aggregate Fill	61.54	
		For Up To 8, Add	*12.31*	
		For >8 To 16, Add	*6.15*	
		For >48 To 64, Deduct	*-4.07*	
		For >64 To 96, Deduct	*-7.15*	
		For >96 To 168, Deduct	*-10.23*	
		For >168 To 240, Deduct	*-12.26*	
		For >240, Deduct	*-14.30*	
31 05 16 00-0009	CY	#67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	56.09	
		For Up To 8, Add	*11.22*	
		For >8 To 16, Add	*5.61*	
		For >48 To 64, Deduct	*-3.80*	
		For >64 To 96, Deduct	*-6.60*	
		For >96 To 168, Deduct	*-9.41*	
		For >168 To 240, Deduct	*-11.31*	
		For >240, Deduct	*-13.21*	
31 05 16 00-0010	CY	#7I (3/8" To 1/2") Stone Aggregate Fil	57.08	
		For Up To 8, Add	*11.42*	
		For >8 To 16, Add	*5.71*	
		For >48 To 64, Deduct	*-3.85*	
		For >64 To 96, Deduct	*-6.70*	
		For >96 To 168, Deduct	*-9.56*	
		For >168 To 240, Deduct	*-11.48*	
		For >240, Deduct	*-13.41*	
31 05 16 00-0011	CY	#78 (3/32" To 1/2") Stone Aggregate Fill	57.51	
		For Up To 8, Add	*11.50*	
		For >8 To 16, Add	*5.75*	
		For >48 To 64, Deduct	*-3.87*	
		For >64 To 96, Deduct	*-6.75*	
		For >96 To 168, Deduct	*-9.62*	
		For >168 To 240, Deduct	*-11.56*	
		For >240, Deduct	*-13.49*	
31 05 16 00-0012	CY	#8 (3/32" To 3/8") Stone Aggregate Fill	59.70	
		For Up To 8, Add	*11.94*	
		For >8 To 16, Add	*5.97*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-6.97*	
		For >96 To 168, Deduct	*-9.95*	
		For >168 To 240, Deduct	*-11.94*	
		For >240, Deduct	*-13.93*	
31 05 16 00-0013	CY	#89 (1/16" To 3/8") Stone Aggregate Fill	60.32	
		For Up To 8, Add	*12.06*	
		For >8 To 16, Add	*6.03*	
		For >48 To 64, Deduct	*-4.01*	
		For >64 To 96, Deduct	*-7.03*	
		For >96 To 168, Deduct	*-10.04*	
		For >168 To 240, Deduct	*-12.05*	
		For >240, Deduct	*-14.05*	
31 05 16 00-0014	CY	#9 (3/32" To 3/16") Stone Aggregate Fill	59.70	
		For Up To 8, Add	*11.94*	
		For >8 To 16, Add	*5.97*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-6.97*	
		For >96 To 168, Deduct	*-9.95*	
		For >168 To 240, Deduct	*-11.94*	
		For >240, Deduct	*-13.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY	#10 (1/16" To 3/16") Stone Aggregate Fill	60.96	
		For Up To 8, Add	*12.19*	
		For >8 To 16, Add	*6.10*	
		For >48 To 64, Deduct	*-4.04*	
		For >64 To 96, Deduct	*-7.09*	
		For >96 To 168, Deduct	*-10.14*	
		For >168 To 240, Deduct	*-12.16*	
		For >240, Deduct	*-14.18*	
31 05 16 00-0016	CY	#610 (1/16" To 3/4") Modified Stone Aggregate Fill	60.32	
		For Up To 8, Add	*12.06*	
		For >8 To 16, Add	*6.03*	
		For >48 To 64, Deduct	*-4.01*	
		For >64 To 96, Deduct	*-7.03*	
		For >96 To 168, Deduct	*-10.04*	
		For >168 To 240, Deduct	*-12.05*	
		For >240, Deduct	*-14.05*	
31 05 16 00-0017	CY	3/16" Max Screenings Stone Aggregate Fill	51.37	
		For Up To 8, Add	*10.27*	
		For >8 To 16, Add	*5.14*	
		For >48 To 64, Deduct	*-3.56*	
		For >64 To 96, Deduct	*-6.13*	
		For >96 To 168, Deduct	*-8.70*	
		For >168 To 240, Deduct	*-10.48*	
		For >240, Deduct	*-12.26*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	55.42	
		For Up To 8, Add	*11.08*	
		For >8 To 16, Add	*5.54*	
		For >48 To 64, Deduct	*-3.77*	
		For >64 To 96, Deduct	*-6.54*	
		For >96 To 168, Deduct	*-9.31*	
		For >168 To 240, Deduct	*-11.19*	
		For >240, Deduct	*-13.07*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	55.42	
		For Up To 8, Add	*11.08*	
		For >8 To 16, Add	*5.54*	
		For >48 To 64, Deduct	*-3.77*	
		For >64 To 96, Deduct	*-6.54*	
		For >96 To 168, Deduct	*-9.31*	
		For >168 To 240, Deduct	*-11.19*	
		For >240, Deduct	*-13.07*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	59.46	
		For Up To 8, Add	*11.89*	
		For >8 To 16, Add	*5.95*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-6.94*	
		For >96 To 168, Deduct	*-9.91*	
		For >168 To 240, Deduct	*-11.90*	
		For >240, Deduct	*-13.88*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	62.34	
		For Up To 8, Add	*12.47*	
		For >8 To 16, Add	*6.23*	
		For >48 To 64, Deduct	*-4.11*	
		For >64 To 96, Deduct	*-7.23*	
		For >96 To 168, Deduct	*-10.35*	
		For >168 To 240, Deduct	*-12.40*	
		For >240, Deduct	*-14.46*	
31 05 16 00-0022	CY	2-1/2" Minus Crusher Run Aggregate Fill	37.30	
		For Up To 8, Add	*7.46*	
		For >8 To 16, Add	*3.73*	
		For >48 To 64, Deduct	*-2.86*	
		For >64 To 96, Deduct	*-4.73*	
		For >96 To 168, Deduct	*-6.59*	
		For >168 To 240, Deduct	*-8.02*	
		For >240, Deduct	*-9.45*	
31 05 16 00-0023	CY	1-1/2" Minus Crusher Run Aggregate Fill	40.48	
		For Up To 8, Add	*8.10*	
		For >8 To 16, Add	*4.05*	
		For >48 To 64, Deduct	*-3.02*	
		For >64 To 96, Deduct	*-5.04*	
		For >96 To 168, Deduct	*-7.07*	
		For >168 To 240, Deduct	*-8.58*	
		For >240, Deduct	*-10.09*	
31 05 16 00-0024	CY	3/4" Minus Crusher Run Aggregate Fill	38.42	
		For Up To 8, Add	*7.68*	
		For >8 To 16, Add	*3.84*	
		For >48 To 64, Deduct	*-2.92*	
		For >64 To 96, Deduct	*-4.84*	
		For >96 To 168, Deduct	*-6.76*	
		For >168 To 240, Deduct	*-8.22*	
		For >240, Deduct	*-9.67*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving		70.38	
		For Up To 8, Add		*14.08*	
		For >8 To 16, Add		*7.04*	
		For >48 To 64, Deduct		*-4.51*	
		For >64 To 96, Deduct		*-8.03*	
		For >96 To 168, Deduct		*-11.55*	
		For >168 To 240, Deduct		*-13.81*	
		For >240, Deduct		*-16.07*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump		8,243.18	
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter		2,587.22	
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump		10,990.91	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter		4,312.05	
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump		15,112.50	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter		6,468.06	
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump		21,981.81	
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter		9,055.29	
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub		372.86	
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub		779.00	
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub		1,105.74	
31 11 00 00-0013	ACR	Chipping - Light Brush		2,931.43	
31 11 00 00-0014	ACR	Chipping - Medium Brush		3,769.17	
31 11 00 00-0015	ACR	Chipping - Heavy Brush		5,277.33	

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material		13.85	
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material		16.62	
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material		43.66	
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material		34.30	

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		686.94	
		For >4 To 10, Deduct		*-41.22*	
		For >25, Deduct		*-128.80*	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		1,030.39	
		For >4 To 10, Deduct		*-61.82*	
		For >25, Deduct		*-193.20*	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		1,373.86	
		For >4 To 10, Deduct		*-82.43*	
		For >25, Deduct		*-257.60*	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		2,060.80	
		For >4 To 10, Deduct		*-123.65*	
		For >25, Deduct		*-386.40*	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		2,747.72	
		For >4 To 10, Deduct		*-164.86*	
		For >25, Deduct		*-515.20*	
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.		3,434.66	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct		*-858.67*	
		For >4 To 10, Deduct		*-206.08*	
		For >10 To 25, Deduct		*-429.33*	
		For >25, Deduct		*-644.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	4,121.59	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,030.40*	
		For >4 To 10, Deduct	*-247.30*	
		For >10 To 25, Deduct	*-515.20*	
		For >25, Deduct	*-772.80*	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	5,495.45	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,373.86*	
		For >4 To 10, Deduct	*-329.73*	
		For >10 To 25, Deduct	*-686.93*	
		For >25, Deduct	*-1,030.40*	

31 13 13 00-0010 Stump Removal *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0011 Stump Removal By Machine *(31 13 13 00-0010)*

31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	129.36	
		For >10, Deduct	*-19.40*	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	247.94	
		For >10, Deduct	*-37.19*	
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	323.40	
		For >10, Deduct	*-48.51*	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	485.12	
		For >10, Deduct	*-72.77*	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	571.38	
		For >10, Deduct	*-85.71*	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	672.68	
		For >10, Deduct	*-100.90*	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	797.73	
		For >10, Deduct	*-119.66*	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	937.87	
		For >10, Deduct	*-140.68*	

31 13 13 00-0020 Stump Removal By Hand *(31 13 13 00-0010)*

31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	733.01
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	916.26
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,343.85
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,832.53
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,443.36
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,054.21
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,665.05
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	4,275.89

31 13 13 00-0029 Stump Grinding *(31 13 13)*
Note: Measured by diameter of stump.

31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0029)*
Note: Level soil to match existing surface area.

31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	128.48	
		For 24" Depth, Add	*25.70*	
		For >10, Deduct	*-16.06*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	160.60	
		For 24" Depth, Add	*32.12*	
		For >10, Deduct	*-20.08*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	192.71	
		For 24" Depth, Add	*38.54*	
		For >10, Deduct	*-24.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	214.13	
		For 24" Depth, Add	*42.83*	
		For >10, Deduct	*-26.77*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	230.19	
		For 24" Depth, Add	*46.04*	
		For >10, Deduct	*-28.77*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	246.25	
		For 24" Depth, Add	*49.25*	
		For >10, Deduct	*-30.78*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	267.66	
		For 24" Depth, Add	*53.53*	
		For >10, Deduct	*-33.46*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	290.56	
		For 24" Depth, Add	*58.11*	
		For >10, Deduct	*-36.32*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	322.84	
		For 24" Depth, Add	*64.57*	
		For >10, Deduct	*-40.36*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	355.13	
		For 24" Depth, Add	*71.03*	
		For >10, Deduct	*-44.39*	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	387.42	
		For 24" Depth, Add	*77.48*	
		For >10, Deduct	*-48.43*	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	430.46	
		For 24" Depth, Add	*86.09*	
		For >10, Deduct	*-53.81*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	538.08	
		For 24" Depth, Add	*107.62*	
		For >10, Deduct	*-67.26*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	672.59	
		For 24" Depth, Add	*134.52*	
		For >10, Deduct	*-84.07*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	860.92	
		For 24" Depth, Add	*172.18*	
		For >10, Deduct	*-107.62*	

31 13 13 00-0046 Shrub Removal *(31 13 13)*

31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	52.68	
		For >4 To 10, Deduct	*-3.16*	
		For >10 To 25, Deduct	*-6.59*	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	82.62	
		For >4 To 10, Deduct	*-4.96*	
		For >10 To 25, Deduct	*-10.33*	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	95.79	
		For >4 To 10, Deduct	*-5.75*	
		For >10 To 25, Deduct	*-11.97*	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	143.69	
		For >4 To 10, Deduct	*-8.62*	
		For >10 To 25, Deduct	*-17.96*	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	26.34	
		For >4 To 10, Deduct	*-1.58*	
		For >10 To 25, Deduct	*-3.29*	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	40.71	
		For >4 To 10, Deduct	*-2.44*	
		For >10 To 25, Deduct	*-5.09*	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	52.69	
		For >4 To 10, Deduct	*-3.16*	
		For >10 To 25, Deduct	*-6.59*	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	57.48	
		For >4 To 10, Deduct	*-3.45*	
		For >10 To 25, Deduct	*-7.19*	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	52.68	
		For >4 To 10, Deduct	*-3.16*	
		For >10 To 25, Deduct	*-6.59*	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	57.48	
		For >4 To 10, Deduct	*-3.45*	
		For >10 To 25, Deduct	*-7.19*	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	82.62	
		For >4 To 10, Deduct	*-4.96*	
		For >10 To 25, Deduct	*-10.33*	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	143.68	
		For >4 To 10, Deduct	*-8.62*	
		For >10 To 25, Deduct	*-17.96*	

31 13 13 00-0059 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	549.55	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-137.39*	
		For >4 To 10, Deduct	*-32.97*	
		For >10 To 25, Deduct	*-68.69*	
		For >25, Deduct	*-103.04*	
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	824.31	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-206.08*	
		For >4 To 10, Deduct	*-49.46*	
		For >10 To 25, Deduct	*-103.04*	
		For >25, Deduct	*-154.56*	
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,099.09	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-274.77*	
		For >4 To 10, Deduct	*-65.95*	
		For >10 To 25, Deduct	*-137.39*	
		For >25, Deduct	*-206.08*	
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,648.64	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-412.16*	
		For >4 To 10, Deduct	*-98.92*	
		For >10 To 25, Deduct	*-206.08*	
		For >25, Deduct	*-309.12*	
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,198.19	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-549.55*	
		For >4 To 10, Deduct	*-131.89*	
		For >10 To 25, Deduct	*-274.77*	
		For >25, Deduct	*-412.16*	
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,747.72	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-686.93*	
		For >4 To 10, Deduct	*-164.86*	
		For >10 To 25, Deduct	*-343.47*	
		For >25, Deduct	*-515.20*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.20
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.30
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.89

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Minimum Charge For Trim Tree Branch Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	803.37
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	20.09
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	22.60
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	27.62
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	25.11
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	28.25
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	34.52

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*
Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.20
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.10
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.14
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.95

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	480.77
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	667.73

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.67
		For Excavation In Light Material (Class A), Deduct	*-1.58*
		For Excavation In Heavy/Wet Material (Class C), Add	*5.07*
		For Up To 20, Add	*12.67*
		For >20 To 50, Add	*9.50*
		For >50 To 250, Add	*5.07*
		For >250 To 500, Add	*1.90*
		For >1,000, Deduct	*-1.90*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	8.22
		For Excavation In Light Material (Class A), Deduct	*-1.03*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.29*
		For Up To 20, Add	*8.22*
		For >20 To 50, Add	*6.17*
		For >50 To 250, Add	*3.29*
		For >250 To 500, Add	*1.23*
		For >1,000, Deduct	*-1.23*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	20.97
		For Up To 20, Add	*20.97*
		For >20 To 50, Add	*15.73*
		For >50 To 250, Add	*8.39*
		For >250 To 500, Add	*3.15*
		For >1,000, Deduct	*-3.15*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	14.61
		For Up To 20, Add	*14.61*
		For >20 To 50, Add	*10.96*
		For >50 To 250, Add	*5.84*
		For >250 To 500, Add	*2.19*
		For >1,000, Deduct	*-2.19*

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	144.07
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	247.13
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.12
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.29

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*
Note: With imported or stockpiled materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.67	
		For Up To 20, Add	*4.67*	
		For >20 To 50, Add	*3.50*	
		For >50 To 250, Add	*1.87*	
		For >250 To 500, Add	*0.70*	
		For >1,000, Deduct	*-0.70*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	40.02	
31 23 16 13-0014		**Compaction Of Fill Or Subbase For Trenches** *(31 23 16 13)*		
		Note: Includes restoration of final grade.		
31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Hand Machine; Vibratory Plate, Jumping Jack, Air Tamper, etc.	8.36	
		For Up To 20, Add	*8.36*	
		For >20 To 50, Add	*6.27*	
		For >50 To 250, Add	*3.34*	
		For >250 To 500, Add	*1.25*	
		For >1,000, Deduct	*-1.25*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	45.15	
31 23 16 13-0017		**Loading Excess Material For Removal From Excavation For Trenches** *(31 23 16 13)*		
		Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	8.13	
		For Up To 20, Add	*8.13*	
		For >20 To 50, Add	*6.10*	
		For >50 To 250, Add	*3.25*	
		For >250 To 500, Add	*1.22*	
		For >1,000, Deduct	*-1.22*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	105.65	
31 23 16 13-0020		**Spread Excess Or Imported Material For Trenches** *(31 23 16 13)*		
		Note: Includes hand work by laborer for cleanup.		
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	4.06	
		For Up To 20, Add	*4.06*	
		For >20 To 50, Add	*3.05*	
		For >50 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.61*	
		For >1,000, Deduct	*-0.61*	
31 23 16 13-0022		**Direct Burial (Plowed-in) Cable Or Piping By Machine** *(31 23 16 13)*		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.90	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	3.20	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.55	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	5.14	
31 23 16 13-0027		**Utility Chain Trencher** *(31 23 16 13)*		
31 23 16 13-0028		**Utility Trench, Chain Trencher** *(31 23 16 13-0027)*		
		Note: Earth left adjacent to trench.		
31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.58	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.47*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.73	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.52*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.80	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.54*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.89	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.57*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.08	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.62*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.37	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.71*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.84	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.69	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.81*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	3.15	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.95*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.58	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-1.07*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	4.26	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.28*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.39	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.12*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.39	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.12*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.77	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.12*	
		For >500, Deduct	*-0.23*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.10	
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.17*	
		For >500, Deduct	*-0.33*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.77	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.12*	
		For >500, Deduct	*-0.23*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	1.03	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.31*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.54	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.46*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.97
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	12.34
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	14.62
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	16.45
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	17.95
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	19.75
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	21.94
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	24.68
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	28.21
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	32.91
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	39.49
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	49.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	81.54	
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	23.72	

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.36	
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.17	
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	9.00	
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.34	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.59	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	19.47	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	23.81	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	27.76	
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	37.82	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	46.92	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	55.80	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	65.01	

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.54	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.71	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.57	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.89	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.61	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	22.16	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	27.00	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	31.34	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.90	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	51.21	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	60.20	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.43	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.34	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.96	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.27	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.49	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	10.01	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	13.34	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	16.01	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	18.15	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	22.11	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	24.82	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	27.21	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	29.36	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	32.50	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	34.67	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	41.17	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	12.70	
		For Excavation In Light Material (Class A), Deduct		*-1.59*
		For Excavation In Heavy/Wet Material (Class C), Add		*5.08*
		For >1,000, Deduct		*-1.91*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.63	
		For Excavation In Light Material (Class A), Deduct		*-0.83*
		For Excavation In Heavy/Wet Material (Class C), Add		*2.65*
		For >1,000, Deduct		*-0.99*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	15.62	
		For >1,000, Deduct		*-2.34*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	8.17	
		For >1,000, Deduct		*-1.23*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0006		**Spreading, Shaping And Rough Grading** *(31 23 16 33)* Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	7.84	
		For >1,000, Deduct	*-1.18*	
31 23 16 33-0008		**Cutting, Shaping and Rough Grading Of Existing Elevations** *(31 23 16 33)*		
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	8.70	
		For >1,000, Deduct	*-1.31*	
31 23 16 33-0010		**Relocating On Site Excavated Material From Excavation** *(31 23 16 33)* Note: For bulk excavation.		
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.97	
		For >1,000, Deduct	*-1.05*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	10.45	
		For >1,000, Deduct	*-1.57*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	15.67	
		For >1,000, Deduct	*-2.35*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	20.90	
		For >1,000, Deduct	*-3.14*	
31 23 16 33-0015		**Finish Grading For Bulk Excavation** *(31 23 16 33)*		
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.87	
31 23 16 33-0017		**Compaction Of Fill Or Subbase, Per Lift** *(31 23 16 33)* Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.84	
31 23 16 33-0019		**Loading Excess Material For Removal From Excavation** *(31 23 16 33)* Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.83	
		For >1,000, Deduct	*-1.02*	
31 23 16 36		**Excavation for Building Foundations and Other Structures** *(31 23 16)* Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001		**Excavation** *(31 23 16 36)* Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002		**Excavation For Building Foundations And Other Structures By Skid-Steer Loader** *(31 23 16 36-0001)*		
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.86	
		For Excavation In Light Material (Class A), Deduct	*-1.36*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.34*	
		For Up To 20, Add	*10.86*	
		For >20 To 50, Add	*8.15*	
		For >50 To 250, Add	*4.34*	
		For >250 To 500, Add	*1.63*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	13.47	
		For Up To 20, Add	*13.47*	
		For >20 To 50, Add	*10.10*	
		For >50 To 250, Add	*5.39*	
		For >250 To 500, Add	*2.02*	
31 23 16 36-0005		**Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader** *(31 23 16 36-0001)*		
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.97	
		For Excavation In Light Material (Class A), Deduct	*-1.00*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.19*	
		For Up To 20, Add	*7.97*	
		For >20 To 50, Add	*5.98*	
		For >50 To 250, Add	*3.19*	
		For >250 To 500, Add	*1.20*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	9.48	
		For Up To 20, Add	*9.48*	
		For >20 To 50, Add	*7.11*	
		For >50 To 250, Add	*3.79*	
		For >250 To 500, Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0008		**Excavation For Building Foundations And Other Structures By Hand** *(31 23 16 36-0001)*		
		Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	144.07	
		For Excavation In Light Material (Class A), Deduct	*-18.01*	
		For Excavation In Heavy/Wet Material (Class C), Add	*57.63*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock	247.13	
		Note: Includes compacted aggregate		
31 23 16 36-0011		**Relocating On Site Excavated Stockpiled Material From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.97	
		For Up To 20, Add	*6.97*	
		For >20 To 50, Add	*5.23*	
		For >50 To 250, Add	*2.79*	
		For >250 To 500, Add	*1.05*	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	10.45	
		For Up To 20, Add	*10.45*	
		For >20 To 50, Add	*7.84*	
		For >50 To 250, Add	*4.18*	
		For >250 To 500, Add	*1.57*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	15.67	
		For Up To 20, Add	*15.67*	
		For >20 To 50, Add	*11.75*	
		For >50 To 250, Add	*6.27*	
		For >250 To 500, Add	*2.35*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	20.90	
		For Up To 20, Add	*20.90*	
		For >20 To 50, Add	*15.68*	
		For >50 To 250, Add	*8.36*	
		For >250 To 500, Add	*3.14*	
31 23 16 36-0016		**Backfilling** *(31 23 16 36)*		
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.35	
		For Up To 20, Add	*5.35*	
		For >20 To 50, Add	*4.01*	
		For >50 To 250, Add	*2.14*	
		For >250 To 500, Add	*0.80*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	6.17	
		For Up To 20, Add	*6.17*	
		For >20 To 50, Add	*4.63*	
		For >50 To 250, Add	*2.47*	
		For >250 To 500, Add	*0.93*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	68.60	
31 23 16 36-0020		**Compaction Of Fill Or Subbase** *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	13.24	
		For Up To 20, Add	*13.24*	
		For >20 To 50, Add	*9.93*	
		For >50 To 250, Add	*5.30*	
		For >250 To 500, Add	*1.99*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	45.14	
31 23 16 36-0023		**Grading For Building Foundations And Other Structures** *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.50	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.42	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	13.35	
31 23 16 36-0027		**Loading Excess Material For Removal From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	7.12	
		For Up To 20, Add	*7.12*	
		For >20 To 50, Add	*5.34*	
		For >50 To 250, Add	*2.85*	
		For >250 To 500, Add	*1.07*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	105.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	4.06	
		For Up To 20, Add	*4.06*	
		For >20 To 50, Add	*3.05*	
		For >50 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.61*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	58.30	

31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0017 for loading excess material, 31 23 16 13-0020 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	15.93	
		For Excavation In Light Material (Class A), Deduct	*-1.99*	
		For Excavation In Heavy/Wet Material (Class C), Add	*6.37*	
		For Up To 20, Add	*15.93*	
		For >20 To 50, Add	*11.95*	
		For >50 To 250, Add	*6.37*	
		For >250 To 500, Add	*2.39*	
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	18.92	
		For Up To 20, Add	*18.92*	
		For >20 To 50, Add	*14.19*	
		For >50 To 250, Add	*7.57*	
		For >250 To 500, Add	*2.84*	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	180.08
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	268.93

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	11.95	
		For >20 To 50, Add	*8.96*	
		For >50 To 250, Add	*4.78*	
		For >250 To 500, Add	*1.79*	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	81.64	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	16.68	
		For Up To 20, Add	*16.68*	
		For >20 To 50, Add	*12.51*	
		For >50 To 250, Add	*6.67*	
		For >250 To 500, Add	*2.50*	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	54.18	

31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 46-0015	CY	Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures	8.13	
		For Up To 20, Add	*8.13*	
		For >20 To 50, Add	*6.10*	
		For >50 To 250, Add	*3.25*	
		For >250 To 500, Add	*1.22*	
		For >1,000, Deduct	*-1.22*	
31 23 16 46-0016	CY	Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures	105.65	

31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	4.06	
		For Up To 20, Add	*4.06*	
		For >20 To 50, Add	*3.05*	
		For >50 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.61*	
		For >1,000, Deduct	*-0.61*	
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	58.30	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	149.67
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	82.32
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	74.84
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	67.35
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	59.86
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	52.39

31 23 19 00-0009 Well Point Dewatering System Rental *(31 23 19 00-0001)*

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.35
		For >5 Days And <1 Month, Deduct	*-0.52*
		For >1 Month, Deduct	*-0.66*
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.37
		For >5 Days And <1 Month, Deduct	*-0.30*
		For >1 Month, Deduct	*-0.38*
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.98
		For >5 Days And <1 Month, Deduct	*-0.22*
		For >1 Month, Deduct	*-0.27*
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.72
		For >5 Days And <1 Month, Deduct	*-0.16*
		For >1 Month, Deduct	*-0.20*
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.65
		For >5 Days And <1 Month, Deduct	*-0.14*
		For >1 Month, Deduct	*-0.18*

31 23 19 00-0015 Well Point Dewatering System Operation Costs *(31 23 19 00-0001)*

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	137.99

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 Compaction Water, Water Truck And Operator *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	312.37

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 Flowable Fill (Fly Ash) Cement Backfill For Trenches *(31 23 23 33)*

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	150.02

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations *(31 24 13)*

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	8.70	
		For Up To 20, Add	*8.70*	
		For >20 To 50, Add	*6.53*	
		For >50 To 250, Add	*3.48*	
		For >250 To 500, Add	*1.31*	
		For >1,000, Deduct	*-1.31*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	10.80	
		Note: Includes compacted aggregate		
		For Up To 20, Add	*10.80*	
		For >20 To 50, Add	*8.10*	
		For >50 To 250, Add	*4.32*	
		For >250 To 500, Add	*1.62*	
		For >1,000, Deduct	*-1.62*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.38
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.61

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	8.06	
		For Up To 20, Add	*4.03*	
		For >20 To 50, Add	*2.02*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.61*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	15.67	
		For Up To 20, Add	*15.67*	
		For >20 To 50, Add	*11.75*	
		For >50 To 250, Add	*6.27*	
		For >250 To 500, Add	*2.35*	
		For >1,000, Deduct	*-2.35*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	20.90	
		For Up To 20, Add	*20.90*	
		For >20 To 50, Add	*15.68*	
		For >50 To 250, Add	*8.36*	
		For >250 To 500, Add	*3.14*	
		For >1,000, Deduct	*-3.14*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	9.58	
		For Up To 20, Add	*9.58*	
		For >20 To 50, Add	*7.19*	
		For >50 To 250, Add	*3.83*	
		For >250 To 500, Add	*1.44*	
		For >1,000, Deduct	*-1.44*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.91
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.22
31 24 13 00-0019	LF	Finish Grade For Curb	1.37
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.67

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.84	
		For Up To 250, Add	*0.84*	
		For >250 To 500, Add	*0.63*	
		For >500 To 1,000, Add	*0.34*	
		For >5,000, Deduct	*-0.13*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.83	
		For Up To 20, Add	*6.83*	
		For >20 To 50, Add	*5.12*	
		For >50 To 250, Add	*2.73*	
		For >250 To 500, Add	*1.02*	
		For >1,000, Deduct	*-1.02*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	67.99
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	62.32
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	57.52
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	54.78

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.63
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.72
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.43
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.63
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	3.20

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.69
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	6.41
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.88
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	4.07
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	4.35

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	15.45
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	14.21
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	19.55

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.88

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	12.03
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	17.23

31 25 14 16-0023 Erosion Control Rolls *(31 25 14 16-0001)*

31 25 14 16-0024	SY	Erosion Control Rolls, Mirafi 140N	2.55
31 25 14 16-0025	SY	Erosion Control Rolls, Amoco 4547	2.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	7.22	3.03
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.33*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	9.32	3.78
		For >2,500 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.69*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	11.75	4.51
		For >2,500 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-2.08*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	14.46	5.64
		For >2,500 To 5,000, Deduct	*-1.13*	
		For >5,000, Deduct	*-2.57*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	17.61	6.76
		For >2,500 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-3.11*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	20.53	7.69
		For >2,500 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-3.59*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	168.89	54.52
		For >2,500 To 5,000, Deduct	*-10.28*	
		For >5,000, Deduct	*-27.17*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	217.40	59.97
		For >2,500 To 5,000, Deduct	*-11.31*	
		For >5,000, Deduct	*-33.05*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.67	2.02
		For >2,500 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-1.07*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	12.03	3.03
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.81*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.70	
		For Type 1, Deduct	*-4.55*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.77*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.36*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.18	
		For Type 1, Deduct	*-5.00*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.05*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.70*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.61	
		For Type 1, Deduct	*-5.67*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.45*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.19*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	38.51	
		For Type 1, Deduct	*-6.21*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.78*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.59*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	40.42	
		For Type 1, Deduct	*-6.52*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.97*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.82*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	42.33	
		For Type 1, Deduct	*-6.82*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.15*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.04*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.55	
		For Type 1, Deduct	*-7.19*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.37*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.31*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	47.58	
		For Type 1, Deduct	*-7.73*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.71*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.71*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.00	
		For Type 1, Deduct	*-8.13*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.95*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.01*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	53.23	
		For Type 1, Deduct	*-8.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.30*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	56.25	
		For Type 1, Deduct	*-9.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.81*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	59.17	
		For Type 1, Deduct	*-9.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.91*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.17*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	64.37	
		For Type 1, Deduct	*-10.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.51*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.91*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	67.50	
		For Type 1, Deduct	*-11.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.83*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.29*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	70.54	
		For Type 1, Deduct	*-11.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.12*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.65*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	73.76	
		For Type 1, Deduct	*-12.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.44*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.03*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	76.91	
		For Type 1, Deduct	*-12.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.73*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.39*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	791.19	
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,083.83	
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,377.74	
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,801.04	

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	264.33	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	382.47	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	439.75	

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	274.82	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	380.47	

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.88	
		For Up To 500, Add	*9.81*	
		For >500 To 1,000, Add	*5.52*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	48.75	
		For Up To 500, Add	*11.09*	
		For >500 To 1,000, Add	*6.22*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	55.51	
		For Up To 500, Add	*12.58*	
		For >500 To 1,000, Add	*7.03*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	62.48	
		For Up To 500, Add	*14.14*	
		For >500 To 1,000, Add	*7.89*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	45.63	
		For Up To 500, Add	*10.36*	
		For >500 To 1,000, Add	*5.79*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	52.03	
		For Up To 500, Add	*11.75*	
		For >500 To 1,000, Add	*6.55*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	59.41	
		For Up To 500, Add	*13.36*	
		For >500 To 1,000, Add	*7.42*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	66.94	
		For Up To 500, Add	*15.03*	
		For >500 To 1,000, Add	*8.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26		**Stabilization Measures for Sedimentation Control** *(31 25 14)*		
31 25 14 26-0001		Silt Fences And Dike Barriers *(31 25 14 26)* Note: Includes stakes and embedding.		
31 25 14 26-0002		Silt Fences 2' High *(31 25 14 26-0001)* See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.25	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	4.05	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.83	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.40	
31 25 14 26-0007		Silt Fences 3' High *(31 25 14 26-0001)* See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	6.20	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.81	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.34	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.72	
31 25 14 26-0012		Silt Dike Barrier *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	4.08	
31 25 14 26-0014		Silt Fences Removal *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.96	
31 25 14 26-0016		Hay And Straw Bales *(31 25 14 26)* Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterilized Straw Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.	5.63	
31 25 14 26-0018	LF	Place Hay Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.	5.20	
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales Note: Includes removal of stakes.	1.72	
31 25 14 26-0020		Sediment Logs (Degradable) *(31 25 14 26)*		
31 25 14 26-0021		Sediment Logs (Degradable) *(31 25 14 26-0020)* Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF	9" Sediment Fiber Roll Log	6.07	
31 25 14 26-0023	LF	12" Sediment Fiber Roll Log	6.96	
31 25 14 26-0024	LF	20" Sediment Fiber Roll Log	10.40	
31 25 14 26-0025		Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0020)* Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	122.03	
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	126.75	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	130.83	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	131.11	
31 25 14 26-0030		Fiber Roll (CALTRANS Type 1) *(31 25 14 26)* Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0031	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.66	
		For >1,000 To 10,000, Deduct	*-0.84*	
		For >10,000, Deduct	*-1.40*	
31 25 14 26-0032	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.90	
		For >1,000 To 10,000, Deduct	*-0.85*	
		For >10,000, Deduct	*-1.43*	
31 25 14 26-0033	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	8.81	
		For >1,000 To 10,000, Deduct	*-1.01*	
		For >10,000, Deduct	*-1.71*	
31 25 14 26-0034		Fiber Roll (CALTRANS Type 2) *(31 25 14 26)* Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0035	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.20	
		For >1,000 To 10,000, Deduct	*-0.62*	
		For >10,000, Deduct	*-1.04*	
31 25 14 26-0036	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.64	
		For >1,000 To 10,000, Deduct	*-0.66*	
		For >10,000, Deduct	*-1.11*	
31 25 14 26-0037	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.86	
		For >1,000 To 10,000, Deduct	*-0.72*	
		For >10,000, Deduct	*-1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0038		Inlet Protection Sediment Bags *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0039	EA	2' x 2' x 3' Inlet Protection Sediment Bag	67.38	
31 25 14 26-0040	EA	2' x 3' x 3' Inlet Protection Sediment Bag	78.15	
31 25 14 26-0041	EA	2' x 4' x 3' Inlet Protection Sediment Bag	85.74	
31 25 14 26-0042		Clean Sediment Logs/Wattles *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0043	EA	Clean Sediment Logs/Wattles	96.06	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	1.06
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.49

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.54
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.69

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant	34.90
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
		For >45 To 90, Deduct	*-0.52*
		For >90 To 225, Deduct	*-2.78*
		For >225, Deduct	*-3.82*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	43.30
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	49.35
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	59.30
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	69.10

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	39.08
31 32 13 19-0003	TON	Cement Stabilized Base Material	114.52
31 32 13 19-0004	CWT	Lime For Soil Stabilization	17.86
		Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	21.37
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.89

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	12.27
		For 4% Lime Instead Of 5%, Deduct	*-0.32*
		For 6% Lime Instead Of 5%, Add	*0.32*
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	14.24
		For 4% Lime Instead Of 5%, Deduct	*-0.37*
		For 6% Lime Instead Of 5%, Add	*0.37*
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	16.24
		For 4% Lime Instead Of 5%, Deduct	*-0.42*
		For 6% Lime Instead Of 5%, Add	*0.42*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution 2.88

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150) 5.44
For Up To 50, Add 1.21
For >50 To 150, Add 0.89
For >150 To 250, Add 0.58
For >250 To 500, Add 0.29

31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300) 6.21
For Up To 50, Add 1.37
For >50 To 150, Add 1.01
For >150 To 250, Add 0.66
For >250 To 500, Add 0.33

31 32 19 13-0004 SY 8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500) 6.78
For Up To 50, Add 1.49
For >50 To 150, Add 1.10
For >150 To 250, Add 0.72
For >250 To 500, Add 0.36

31 32 19 13-0005 SY 12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800) 9.76
For Up To 50, Add 2.09
For >50 To 150, Add 1.55
For >150 To 250, Add 1.02
For >250 To 500, Add 0.51

31 32 19 13-0006 SY 14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000) 11.17
For Up To 50, Add 2.38
For >50 To 150, Add 1.77
For >150 To 250, Add 1.16
For >250 To 500, Add 0.58

31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20) 5.53
For Up To 50, Add 1.22
For >50 To 150, Add 0.91
For >150 To 250, Add 0.59
For >250 To 500, Add 0.30

31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30) 8.15
For Up To 50, Add 1.75
For >50 To 150, Add 1.30
For >150 To 250, Add 0.86
For >250 To 500, Add 0.43

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS) 1.69
For Up To 50, Add 0.38
For >50 To 150, Add 0.28
For >150 To 250, Add 0.18
For >250 To 500, Add 0.09

31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS) 1.81
For Up To 50, Add 0.41
For >50 To 150, Add 0.30
For >150 To 250, Add 0.20
For >250 To 500, Add 0.10

31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS) 1.96
For Up To 50, Add 0.44
For >50 To 150, Add 0.32
For >150 To 250, Add 0.21
For >250 To 500, Add 0.11

31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS) 2.11
For Up To 50, Add 0.47
For >50 To 150, Add 0.35
For >150 To 250, Add 0.23
For >250 To 500, Add 0.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.95	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.25	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.53*	
		For >150 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.01	
		For Up To 50, Add	*0.86*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric	7.23	
		For Up To 50, Add	*1.51*	
		For >50 To 150, Add	*1.12*	
		For >150 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.37*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.09	
		For Up To 50, Add	*1.28*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.94	
		For Up To 50, Add	*1.25*	
		For >50 To 150, Add	*0.93*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.19	
		For Up To 50, Add	*1.10*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.55	
		For Up To 50, Add	*1.17*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.09	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.11	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.56*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.52*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.77	
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.13	
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.56	
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.93	
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.21	
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.48	
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.85	
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.21	

31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.20	
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.57	
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.84	
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	3.04	
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.35	
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.90	
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	3.45	
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	6.25	
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	6.48	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	8.02	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*1.38*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.74	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*1.38*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.79	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*1.38*	

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction	25.00	

31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh	635.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0006		**GeoSynthetically Confined Soil™ (GCS®) Components** *(31 32 36 11-0001)* Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb./ft. (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr. (10 miles/hr.). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front o See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75	
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	
31 32 36 11-0011		**Turf** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012		**Permanent Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)* Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxial oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50	
31 32 36 11-0014		**Biodegradable Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)* Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75	
31 32 36 11-0016		**Shotcrete or Gunite** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0017 **Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete 5.50

Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area	1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot	11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot	13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	8x8 Galvanized Steel Plates	35.00	
31 32 36 11-0029	EA	10x10 Galvanized Steel Plates	54.75	
31 32 36 11-0030	EA	12x12 Galvanized Steel Plates	78.75	
31 32 36 11-0031	EA	8x8 Epoxy Coated Steel Plates	76.00	
31 32 36 11-0032	EA	10x10 Epoxy Coated Steel Plates	89.25	
31 32 36 11-0033	EA	12x12 Epoxy Coated Steel Plates	105.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		**Drilled Horizontal Drains** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		**Rockfall Stabilization** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		**Mobilization / Demobilization** *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		**Daily Crew Rates (DCR)** *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		Large Diameter Micropiles *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		Grouting *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill	39.00

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - Lbs./CF D 1622 3.0 Lbs./CF 6.0 Lbs./CF Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling	11.50

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50	
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50	
		Note: bare steel tube up to 20 ft. length.		
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00	
		Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.64

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	80.19
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	94.70
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	114.36
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	135.05
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	158.56
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	217.07
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	274.40

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling section for greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	86.13
		For Chinking Material, Add	*14.98*
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	100.19
		For Chinking Material, Add	*14.98*
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	106.81
		For Chinking Material, Add	*14.98*
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	114.35
		For Chinking Material, Add	*14.98*
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	120.42
		For Chinking Material, Add	*14.98*
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	130.36
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	149.78
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	56.98
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	65.91
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.11
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	74.89
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	78.75
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	85.14
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	100.76

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	15.45
		For Wood Sheeting Left In Place	*-1.43*
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.72
		For Wood Sheeting Left In Place	*-1.67*
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	18.12
		For Wood Sheeting Left In Place	*-1.93*
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	19.61
		For Wood Sheeting Left In Place	*-2.24*
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	21.25
		For Wood Sheeting Left In Place	*-2.56*
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	23.02
		For Wood Sheeting Left In Place	*-2.93*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	24.97	
		For Wood Sheeting Left In Place	*-3.33*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. Pounds per square foot (PSF) indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,478.38	
		For Standard Sheeting Left In Place, Add	*1,234.27*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,185.77*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,579.24	
		For Standard Sheeting Left In Place, Add	*1,183.84*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,135.34*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,048.16	
		For Standard Sheeting Left In Place, Add	*949.38*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*900.88*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,499.38	
		For Standard Sheeting Left In Place, Add	*723.77*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*675.27*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,764.81	
		For Standard Sheeting Left In Place, Add	*591.05*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*542.56*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	4,035.55	
		For Standard Sheeting Left In Place, Add	*455.68*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*407.19*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,965.06
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	32.36
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	27.12

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	18.29

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micropile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micropile Mobilization Per Job	2,913.82
31 48 33 00-0003	EA	Relocate And Set-up For Micropile Equipment At New Pile Cap Location	728.46
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	400.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	491.80	
31 48 33 00-0006	EA	Pile Load Test	3,642.27	

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	53.00	
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	67.84	
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	95.40	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	122.97	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	159.01	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	318.02	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	445.22	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	629.67	

31 52 21 00-0011 Delivery And Set-up For Portable Cofferdam *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-1007 for crane lifting equipment.

31 52 21 00-0012	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	12.01
31 52 21 00-0013	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	19.21
31 52 21 00-0014	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	28.82
31 52 21 00-0015	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	38.43
31 52 21 00-0016	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	7.21
31 52 21 00-0017	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	12.01
31 52 21 00-0018	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	19.21
31 52 21 00-0019	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	26.42

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	6.00
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	9.61
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	14.41
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	19.21

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	38.76	
		For Piles Driven In Water, Add		*19.01*
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	48.54	
		For Piles Driven In Water, Add		*21.40*
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	58.79	
		For Piles Driven In Water, Add		*23.54*
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	71.94	
		For Piles Driven In Water, Add		*26.11*
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	87.26	
		For Piles Driven In Water, Add		*29.09*
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	100.91	
		For Piles Driven In Water, Add		*32.16*
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	128.60	
		For Piles Driven In Water, Add		*36.94*

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	43.49	
		For Piles Driven In Water, Add		*19.93*
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	53.29	
		For Piles Driven In Water, Add		*21.87*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	63.26	
		For Piles Driven In Water, Add	*23.98*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	75.57	
		For Piles Driven In Water, Add	*26.48*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	80.45	
		For Piles Driven In Water, Add	*28.41*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	85.62	
		For Piles Driven In Water, Add	*30.63*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	62.21	
		For Piles Driven In Water, Add	*20.94*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	73.65	
		For Piles Driven In Water, Add	*22.94*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	87.18	
		For Piles Driven In Water, Add	*25.26*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	98.61	
		For Piles Driven In Water, Add	*27.52*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	123.79	
		For Piles Driven In Water, Add	*31.30*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	152.86	
		For Piles Driven In Water, Add	*35.65*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	38.87	
		For Piles Driven In Water, Add	*20.43*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	43.21	
		For Piles Driven In Water, Add	*21.70*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	51.75	
		For Piles Driven In Water, Add	*22.55*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	50.05	
		For Piles Driven In Water, Add	*22.90*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	55.74	
		For Piles Driven In Water, Add	*23.47*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	63.65	
		For Piles Driven In Water, Add	*25.74*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	69.34	
		For Piles Driven In Water, Add	*26.31*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	63.61	
		For Piles Driven In Water, Add	*26.22*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	73.28	
		For Piles Driven In Water, Add	*27.18*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	81.95	
		For Piles Driven In Water, Add	*29.71*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	91.06	
		For Piles Driven In Water, Add	*30.62*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	342.74
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	383.17
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	526.14
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	546.36

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,365.05
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,365.05
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,429.48
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	5,147.61

31 62 16 16-0024 Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	362.96
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	383.17
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	526.14
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	586.78
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	526.14
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	625.94

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	61.61	
		For Piles Driven In Water, Add	*27.35*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	71.13	
		For Piles Driven In Water, Add	*28.30*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	81.40	
		For Piles Driven In Water, Add	*29.33*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	71.13	
		For Piles Driven In Water, Add	*28.30*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	80.17	
		For Piles Driven In Water, Add	*29.20*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	100.15	
		For Piles Driven In Water, Add	*31.20*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	83.57	
		For Piles Driven In Water, Add	*30.66*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	94.16	
		For Piles Driven In Water, Add	*31.72*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	100.04	
		For Piles Driven In Water, Add	*32.31*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	116.50	
		For Piles Driven In Water, Add	*33.95*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	90.39	
		For Piles Driven In Water, Add	*33.67*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	102.37	
		For Piles Driven In Water, Add	*34.87*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	114.34	
		For Piles Driven In Water, Add	*36.07*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	126.32	
		For Piles Driven In Water, Add	*37.27*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	100.57	
		For Piles Driven In Water, Add	*37.57*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	114.57	
		For Piles Driven In Water, Add	*38.97*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	141.88	
		For Piles Driven In Water, Add	*41.70*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	124.09	
		For Piles Driven In Water, Add	*42.24*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	142.28	
		For Piles Driven In Water, Add	*44.06*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	176.84	
		For Piles Driven In Water, Add	*47.52*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	356.40
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	389.20
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	500.16
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	532.51
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	652.27
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	796.07

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	341.78
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	368.05
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	419.49
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	491.73
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	557.40
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	640.62

31 62 16 19-0037 Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	493.36
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	526.19
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	594.05
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	725.39
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	832.31

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 Lb. Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	42.60	
		For Piles Driven In Water, Add	*18.98*	
		For Untreated Pile, Deduct	*-9.71*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.92	
		For Piles Driven In Water, Add	*21.03*	
		For Untreated Pile, Deduct	*-9.82*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	47.37	
		For Piles Driven In Water, Add	*22.40*	
		For Untreated Pile, Deduct	*-10.27*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	51.06	
		For Piles Driven In Water, Add	*24.97*	
		For Untreated Pile, Deduct	*-10.73*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	63.32	
		For Piles Driven In Water, Add	*28.40*	
		For Untreated Pile, Deduct	*-14.36*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	79.05	
		For Piles Driven In Water, Add	*34.39*	
		For Untreated Pile, Deduct	*-18.36*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	65.89	
		For 5,000 PSI Concrete Grout Fill, Add	*7.03*	
		For Piles Driven In Water, Add	*29.62*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	75.41	
		For 5,000 PSI Concrete Grout Fill, Add	*7.98*	
		For Piles Driven In Water, Add	*30.57*	
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	85.68	
		For 5,000 PSI Concrete Grout Fill, Add	*9.01*	
		For Piles Driven In Water, Add	*31.60*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	77.28	
		For 5,000 PSI Concrete Grout Fill, Add	*9.80*	
		For Piles Driven In Water, Add	*31.26*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	86.33	
		For 5,000 PSI Concrete Grout Fill, Add	*10.71*	
		For Piles Driven In Water, Add	*32.17*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	106.31	
		For 5,000 PSI Concrete Grout Fill, Add	*12.71*	
		For Piles Driven In Water, Add	*34.17*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	92.22	
		For 5,000 PSI Concrete Grout Fill, Add	*13.14*	
		For Piles Driven In Water, Add	*34.75*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	102.81	
		For 5,000 PSI Concrete Grout Fill, Add	*14.20*	
		For Piles Driven In Water, Add	*35.81*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.69	
		For 5,000 PSI Concrete Grout Fill, Add	*14.78*	
		For Piles Driven In Water, Add	*36.39*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	125.15	
		For 5,000 PSI Concrete Grout Fill, Add	*16.43*	
		For Piles Driven In Water, Add	*38.04*	
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	102.22	
		For 5,000 PSI Concrete Grout Fill, Add	*16.08*	
		For Piles Driven In Water, Add	*40.06*	
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	114.19	
		For 5,000 PSI Concrete Grout Fill, Add	*17.27*	
		For Piles Driven In Water, Add	*41.25*	
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	126.17	
		For 5,000 PSI Concrete Grout Fill, Add	*18.47*	
		For Piles Driven In Water, Add	*42.45*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	138.14	
		For 5,000 PSI Concrete Grout Fill, Add	*19.67*	
		For Piles Driven In Water, Add	*43.65*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	113.12	
		For 5,000 PSI Concrete Grout Fill, Add	*19.79*	
		For Piles Driven In Water, Add	*42.93*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	127.12	
		For 5,000 PSI Concrete Grout Fill, Add	*21.19*	
		For Piles Driven In Water, Add	*44.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	154.42	
		For 5,000 PSI Concrete Grout Fill, Add	*23.92*	
		For Piles Driven In Water, Add	*47.06*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	139.11	
		For 5,000 PSI Concrete Grout Fill, Add	*25.31*	
		For Piles Driven In Water, Add	*48.08*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	157.30	
		For 5,000 PSI Concrete Grout Fill, Add	*27.13*	
		For Piles Driven In Water, Add	*49.90*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	191.86	
		For 5,000 PSI Concrete Grout Fill, Add	*30.59*	
		For Piles Driven In Water, Add	*53.36*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	85.16	
		For Piles Driven In Water, Add	*26.17*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	103.32	
		For Piles Driven In Water, Add	*29.25*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	116.95	
		For Piles Driven In Water, Add	*32.06*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	127.22	
		For Piles Driven In Water, Add	*34.79*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	83.54	
		For Piles Driven In Water, Add	*26.01*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	85.75	
		For Piles Driven In Water, Add	*27.49*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	104.63	
		For Piles Driven In Water, Add	*30.83*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	120.71	
		For Piles Driven In Water, Add	*34.14*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	50.23	
		For Piles Driven In Water, Add	*19.92*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	55.44	
		For Piles Driven In Water, Add	*22.09*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	60.62	
		For Piles Driven In Water, Add	*24.27*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	65.85	
		For Piles Driven In Water, Add	*26.45*	
		For Thick Wall Shell, Add	*0.11*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	71.07	
		For Piles Driven In Water, Add	*28.63*	
		For Thick Wall Shell, Add	*0.12*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	1,092.68
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,456.91

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	60.53
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	70.38
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	82.69
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	97.47
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	105.35
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	115.92
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	126.96

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	34.93	
		For >2,400 To 3,600, Deduct	*-1.23*	
		For >3,600 To 4,800, Deduct	*-2.47*	
		For >4,800 To 6,000, Deduct	*-4.22*	
		For >6,000, Deduct	*-5.96*	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	39.07	
		For >2,400 To 3,600, Deduct	*-1.36*	
		For >3,600 To 4,800, Deduct	*-2.71*	
		For >4,800 To 6,000, Deduct	*-4.67*	
		For >6,000, Deduct	*-6.62*	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	47.61	
		For >2,400 To 3,600, Deduct	*-1.57*	
		For >3,600 To 4,800, Deduct	*-3.14*	
		For >4,800 To 6,000, Deduct	*-5.52*	
		For >6,000, Deduct	*-7.90*	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.78	
		For >2,400 To 3,600, Deduct	*-1.53*	
		For >3,600 To 4,800, Deduct	*-3.07*	
		For >4,800 To 6,000, Deduct	*-5.36*	
		For >6,000, Deduct	*-7.65*	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	51.47	
		For >2,400 To 3,600, Deduct	*-1.68*	
		For >3,600 To 4,800, Deduct	*-3.35*	
		For >4,800 To 6,000, Deduct	*-5.93*	
		For >6,000, Deduct	*-8.50*	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	59.04	
		For >2,400 To 3,600, Deduct	*-1.90*	
		For >3,600 To 4,800, Deduct	*-3.80*	
		For >4,800 To 6,000, Deduct	*-6.75*	
		For >6,000, Deduct	*-9.70*	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	64.73	
		For >2,400 To 3,600, Deduct	*-2.04*	
		For >3,600 To 4,800, Deduct	*-4.08*	
		For >4,800 To 6,000, Deduct	*-7.32*	
		For >6,000, Deduct	*-10.56*	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	58.88	
		For >2,400 To 3,600, Deduct	*-1.91*	
		For >3,600 To 4,800, Deduct	*-3.81*	
		For >4,800 To 6,000, Deduct	*-6.75*	
		For >6,000, Deduct	*-9.70*	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	68.55	
		For >2,400 To 3,600, Deduct	*-2.15*	
		For >3,600 To 4,800, Deduct	*-4.29*	
		For >4,800 To 6,000, Deduct	*-7.72*	
		For >6,000, Deduct	*-11.15*	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	76.82	
		For >2,400 To 3,600, Deduct	*-2.39*	
		For >3,600 To 4,800, Deduct	*-4.78*	
		For >4,800 To 6,000, Deduct	*-8.62*	
		For >6,000, Deduct	*-12.46*	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	85.93	
		For >2,400 To 3,600, Deduct	*-2.62*	
		For >3,600 To 4,800, Deduct	*-5.24*	
		For >4,800 To 6,000, Deduct	*-9.53*	
		For >6,000, Deduct	*-13.83*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.54	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.76*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.74	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-2.85*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	16.90	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.94*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.93	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.95*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	17.75	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.03	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.18*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.58	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-3.14*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	20.55	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.37*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	22.00	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.48*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	46.51	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	51.66	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	56.84	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.01	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.17	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	72.33	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.30	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	62.25	
		For >50' To 100' Deep, Add	*5.90*	
		For >100' To 150' Deep, Add	*15.56*	
		For >150' To 200' Deep, Add	*20.61*	
		For Right Angle Drilling, Add	*16.96*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	77.11	
		For >50' To 100' Deep, Add	*8.00*	
		For >100' To 150' Deep, Add	*19.28*	
		For >150' To 200' Deep, Add	*26.38*	
		For Right Angle Drilling, Add	*18.86*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	108.14	
		For >50' To 100' Deep, Add	*11.71*	
		For >100' To 150' Deep, Add	*27.04*	
		For >150' To 200' Deep, Add	*37.62*	
		For Right Angle Drilling, Add	*24.92*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	142.14	
		For >50' To 100' Deep, Add	*15.90*	
		For >100' To 150' Deep, Add	*35.54*	
		For >150' To 200' Deep, Add	*50.08*	
		For Right Angle Drilling, Add	*31.15*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	180.50	
		For >50' To 100' Deep, Add	*20.94*	
		For >100' To 150' Deep, Add	*45.13*	
		For >150' To 200' Deep, Add	*64.54*	
		For Right Angle Drilling, Add	*37.21*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	216.66	
		For >50' To 100' Deep, Add	*25.63*	
		For >100' To 150' Deep, Add	*54.17*	
		For >150' To 200' Deep, Add	*78.08*	
		For Right Angle Drilling, Add	*43.13*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	259.45	
		For >50' To 100' Deep, Add	*31.67*	
		For >100' To 150' Deep, Add	*64.86*	
		For >150' To 200' Deep, Add	*94.72*	
		For Right Angle Drilling, Add	*48.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	303.26	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*37.86*	
		For >100' To 150' Deep, Add	*75.82*	
		For >150' To 200' Deep, Add	*111.77*	
		For Right Angle Drilling, Add	*54.17*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	352.85	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*44.82*	
		For >100' To 150' Deep, Add	*88.21*	
		For >150' To 200' Deep, Add	*131.01*	
		For Right Angle Drilling, Add	*60.62*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	409.47	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*52.84*	
		For >100' To 150' Deep, Add	*102.37*	
		For >150' To 200' Deep, Add	*153.06*	
		For Right Angle Drilling, Add	*67.77*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	465.77	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*60.97*	
		For >100' To 150' Deep, Add	*116.44*	
		For >150' To 200' Deep, Add	*175.19*	
		For Right Angle Drilling, Add	*74.36*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	525.74	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*69.70*	
		For >100' To 150' Deep, Add	*131.44*	
		For >150' To 200' Deep, Add	*198.85*	
		For Right Angle Drilling, Add	*81.19*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	494.07	
		For >50' To 100' Deep, Add	*39.77*	
		For >100' To 150' Deep, Add	*123.52*	
		For >150' To 200' Deep, Add	*154.71*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,736.63	
		For >50' To 100' Deep, Add	*140.01*	
		For >100' To 150' Deep, Add	*434.16*	
		For >150' To 200' Deep, Add	*544.05*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,622.95	
		For >50' To 100' Deep, Add	*214.64*	
		For >100' To 150' Deep, Add	*655.74*	
		For >150' To 200' Deep, Add	*825.68*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,640.26	
		For >50' To 100' Deep, Add	*298.44*	
		For >100' To 150' Deep, Add	*910.07*	
		For >150' To 200' Deep, Add	*1,146.61*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,947.96	
		For >50' To 100' Deep, Add	*398.82*	
		For >100' To 150' Deep, Add	*1,236.99*	
		For >150' To 200' Deep, Add	*1,549.97*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,818.30	
		For >50' To 100' Deep, Add	*468.78*	
		For >100' To 150' Deep, Add	*1,454.58*	
		For >150' To 200' Deep, Add	*1,822.36*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	9,869.50	
		For >50' To 100' Deep, Add	*793.68*	
		For >100' To 150' Deep, Add	*2,467.38*	
		For >150' To 200' Deep, Add	*3,089.37*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	14,257.14	
		For >50' To 100' Deep, Add	*1,157.51*	
		For >100' To 150' Deep, Add	*3,564.29*	
		For >150' To 200' Deep, Add	*4,476.53*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	69.43	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*6.40*	
		For >100' To 150' Deep, Add	*17.36*	
		For >150' To 200' Deep, Add	*22.75*	
		For Right Angle Drilling, Add	*19.49*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	116.17	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*10.73*	
		For >100' To 150' Deep, Add	*29.04*	
		For >150' To 200' Deep, Add	*38.10*	
		For Right Angle Drilling, Add	*32.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	152.14	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*14.79*	
		For >100' To 150' Deep, Add	*38.04*	
		For >150' To 200' Deep, Add	*50.82*	
		For Right Angle Drilling, Add	*40.32*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	208.27	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.53*	
		For >100' To 150' Deep, Add	*52.07*	
		For >150' To 200' Deep, Add	*69.92*	
		For Right Angle Drilling, Add	*54.30*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	262.07	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.65*	
		For >100' To 150' Deep, Add	*65.52*	
		For >150' To 200' Deep, Add	*89.01*	
		For Right Angle Drilling, Add	*65.76*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	313.37	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.40*	
		For >100' To 150' Deep, Add	*78.34*	
		For >150' To 200' Deep, Add	*107.09*	
		For Right Angle Drilling, Add	*76.97*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	404.17	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*41.80*	
		For >100' To 150' Deep, Add	*101.04*	
		For >150' To 200' Deep, Add	*138.14*	
		For Right Angle Drilling, Add	*99.25*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	494.75	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*51.26*	
		For >100' To 150' Deep, Add	*123.69*	
		For >150' To 200' Deep, Add	*169.21*	
		For Right Angle Drilling, Add	*121.19*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	562.31	
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*59.48*	
		For >100' To 150' Deep, Add	*140.58*	
		For >150' To 200' Deep, Add	*193.85*	
		For Right Angle Drilling, Add	*133.93*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	636.84	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*68.75*	
		For >100' To 150' Deep, Add	*159.21*	
		For >150' To 200' Deep, Add	*221.27*	
		For Right Angle Drilling, Add	*147.35*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	722.78	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*78.97*	
		For >100' To 150' Deep, Add	*180.70*	
		For >150' To 200' Deep, Add	*252.30*	
		For Right Angle Drilling, Add	*164.32*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	812.90	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*89.81*	
		For >100' To 150' Deep, Add	*203.23*	
		For >150' To 200' Deep, Add	*285.00*	
		For Right Angle Drilling, Add	*181.70*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	571.95	
		For >50' To 100' Deep, Add	*45.23*	
		For >100' To 150' Deep, Add	*142.99*	
		For >150' To 200' Deep, Add	*178.07*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,992.11	
		For >50' To 100' Deep, Add	*157.90*	
		For >100' To 150' Deep, Add	*498.03*	
		For >150' To 200' Deep, Add	*620.70*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,755.38	
		For >50' To 100' Deep, Add	*204.70*	
		For >100' To 150' Deep, Add	*688.85*	
		For >150' To 200' Deep, Add	*841.39*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	4,372.54	
		For >50' To 100' Deep, Add	*349.70*	
		For >100' To 150' Deep, Add	*1,093.14*	
		For >150' To 200' Deep, Add	*1,366.29*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,676.06	
		For >50' To 100' Deep, Add	*449.79*	
		For >100' To 150' Deep, Add	*1,419.02*	
		For >150' To 200' Deep, Add	*1,768.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,674.89	
		For >50' To 100' Deep, Add	*528.74*	
		For >100' To 150' Deep, Add	*1,668.72*	
		For >150' To 200' Deep, Add	*2,079.34*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	11,325.70	
		For >50' To 100' Deep, Add	*895.62*	
		For >100' To 150' Deep, Add	*2,831.43*	
		For >150' To 200' Deep, Add	*3,526.23*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	16,337.42	
		For >50' To 100' Deep, Add	*1,303.13*	
		For >100' To 150' Deep, Add	*4,084.36*	
		For >150' To 200' Deep, Add	*5,100.62*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	275.53	
		For >50' To 100' Deep, Add	*20.83*	
		For >100' To 150' Deep, Add	*68.88*	
		For >150' To 200' Deep, Add	*84.58*	
		For Right Angle Drilling, Add	*91.63*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	459.72	
		For >50' To 100' Deep, Add	*34.78*	
		For >100' To 150' Deep, Add	*114.93*	
		For >150' To 200' Deep, Add	*141.17*	
		For Right Angle Drilling, Add	*152.78*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	692.48	
		For >50' To 100' Deep, Add	*52.61*	
		For >100' To 150' Deep, Add	*173.12*	
		For >150' To 200' Deep, Add	*212.92*	
		For Right Angle Drilling, Add	*229.44*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	883.77	
		For >50' To 100' Deep, Add	*67.82*	
		For >100' To 150' Deep, Add	*220.94*	
		For >150' To 200' Deep, Add	*272.57*	
		For Right Angle Drilling, Add	*290.72*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	1,139.29	
		For >50' To 100' Deep, Add	*88.06*	
		For >100' To 150' Deep, Add	*284.82*	
		For >150' To 200' Deep, Add	*352.17*	
		For Right Angle Drilling, Add	*372.79*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	1,373.33	
		For >50' To 100' Deep, Add	*106.60*	
		For >100' To 150' Deep, Add	*343.33*	
		For >150' To 200' Deep, Add	*425.08*	
		For Right Angle Drilling, Add	*447.96*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	1,678.06	
		For >50' To 100' Deep, Add	*130.97*	
		For >100' To 150' Deep, Add	*419.52*	
		For >150' To 200' Deep, Add	*520.30*	
		For Right Angle Drilling, Add	*545.11*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	1,982.85	
		For >50' To 100' Deep, Add	*155.43*	
		For >100' To 150' Deep, Add	*495.71*	
		For >150' To 200' Deep, Add	*615.64*	
		For Right Angle Drilling, Add	*642.03*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	2,174.92	
		For >50' To 100' Deep, Add	*172.37*	
		For >100' To 150' Deep, Add	*543.73*	
		For >150' To 200' Deep, Add	*677.63*	
		For Right Angle Drilling, Add	*698.33*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	2,373.00	
		For >50' To 100' Deep, Add	*190.28*	
		For >100' To 150' Deep, Add	*593.25*	
		For >150' To 200' Deep, Add	*742.12*	
		For Right Angle Drilling, Add	*755.01*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	2,425.47	
		For >50' To 100' Deep, Add	*198.15*	
		For >100' To 150' Deep, Add	*606.37*	
		For >150' To 200' Deep, Add	*763.10*	
		For Right Angle Drilling, Add	*760.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	2,897.86	
		For >50' To 100' Deep, Add	*235.75*	
		For >100' To 150' Deep, Add	*724.47*	
		For >150' To 200' Deep, Add	*910.49*	
		For Right Angle Drilling, Add	*911.43*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	986.01	
		For >50' To 100' Deep, Add	*74.21*	
		For >100' To 150' Deep, Add	*246.50*	
		For >150' To 200' Deep, Add	*302.29*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,469.48	
		For >50' To 100' Deep, Add	*261.31*	
		For >100' To 150' Deep, Add	*867.37*	
		For >150' To 200' Deep, Add	*1,063.91*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	5,194.69	
		For >50' To 100' Deep, Add	*394.67*	
		For >100' To 150' Deep, Add	*1,298.67*	
		For >150' To 200' Deep, Add	*1,597.20*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	7,396.76	
		For >50' To 100' Deep, Add	*561.40*	
		For >100' To 150' Deep, Add	*1,849.19*	
		For >150' To 200' Deep, Add	*2,273.56*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,783.52	
		For >50' To 100' Deep, Add	*737.31*	
		For >100' To 150' Deep, Add	*2,445.88*	
		For >150' To 200' Deep, Add	*3,000.64*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,924.81	
		For >50' To 100' Deep, Add	*896.24*	
		For >100' To 150' Deep, Add	*2,981.20*	
		For >150' To 200' Deep, Add	*3,654.32*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	18,019.33	
		For >50' To 100' Deep, Add	*1,364.17*	
		For >100' To 150' Deep, Add	*4,504.83*	
		For >150' To 200' Deep, Add	*5,534.32*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	27,095.07	
		For >50' To 100' Deep, Add	*2,056.17*	
		For >100' To 150' Deep, Add	*6,773.77*	
		For >150' To 200' Deep, Add	*8,327.91*	

31 64 13 00-0070 Set-up And Removal Of Caisson *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set-up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,633.58
31 64 13 00-0072	EA	Erect, Set-up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	6,471.48
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	2,206.77
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,942.36
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	183.90

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter *(31 68 13 00-0002)*

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	263.35
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	379.49
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	465.95
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	611.77

31 68 13 00-0008 1" Diameter *(31 68 13 00-0002)*

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	335.61
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	518.44
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	671.59
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	884.15

31 68 13 00-0013 1-3/8" Diameter *(31 68 13 00-0002)*

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	558.43
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	869.04
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,150.01
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,490.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0018		**2" Diameter** *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,236.10	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,838.55	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	2,411.24	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	3,043.37	
31 68 13 00-0023		**Super High-Tensile Anchors, ASTM A-108** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		**3/4" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	190.22	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	253.79	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	287.54	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	378.24	
31 68 13 00-0029		**1" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	227.73	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	316.98	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	373.53	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	489.44	
31 68 13 00-0034		**1-1/4" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	337.89	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	474.88	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	581.51	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	743.04	
31 68 13 00-0039		**2" Diameter** *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	898.62	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,278.04	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,562.42	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	1,923.38	
31 68 13 00-0044		**Solid Rebar Anchors, ASTM A615** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		**3/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	178.18	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	228.32	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	248.74	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	328.56	
31 68 13 00-0050		**1" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	201.36	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	266.65	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	302.31	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	397.24	
31 68 13 00-0055		**1-1/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	294.08	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	379.40	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	435.17	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	550.26	
31 68 13 00-0060		**Resin Anchoring With Grade 60 Rebar** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		**Rebar #6** *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	96.81	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	134.26	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	142.03	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	193.62	
31 68 13 00-0066		**Rebar #8** *(31 68 13 00-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	102.85	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	146.35	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	160.16	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	233.33	
31 68 13 00-0071		**Rebar #10** *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	111.49	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	163.61	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	186.06	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	267.87	
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.21	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	205.05	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	248.22	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	350.75	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.88	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	3.31	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	4.54	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.86	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	5.25	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	6.03	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	7.56	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	10.38	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	37.77	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	31.81	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	33.37	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	59.91	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	59.91	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	56.76	
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	40.71	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	34.84	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	36.39	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	63.02	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	63.02	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	60.09	
31 68 13 00-0106		**1-1/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	90.82	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	106.10	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	107.61	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	95.44	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	111.28	
31 68 13 00-0112		**1-7/8" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0115		**2" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0118		**Steel Plates With Standard Hole And Washers** *(31 68 13 00-0001)*		
31 68 13 00-0119		**Steel Plates** *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.94	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	7.28	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	10.14	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.77	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.90	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	18.12	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	30.08	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	42.62	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	25.58	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	72.37	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	106.64	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	46.81	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	126.61	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	63.32	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	152.29	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	69.89	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	168.90	
31 68 13 00-0137		**Hardened Washers** *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.25	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.73	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	4.83	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	12.04	
31 68 13 00-0142		**Beveled Washers** *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.15	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.11	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	4.70	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	20.12	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	13.90	
31 68 13 00-0148		**Hex Nuts** *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.46	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.01	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	16.45	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	10.36	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	66.09	
31 68 13 00-0154		**Drilling Operation For Rock Bolts** *(31 68 13)*		
31 68 13 00-0155		**Drill Holes For Rock Bolts** *(31 68 13 00-0154)*		
31 68 13 00-0156		**3/4" Diameter Bolt, 1-3/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	214.06	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	404.34	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	606.52	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	727.82	
31 68 13 00-0161		**1" Diameter Bolt, 2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	279.94	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	519.87	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	727.82	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	909.78	
31 68 13 00-0166		**1-1/4" Diameter Bolt, 2-1/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	303.26	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	606.52	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	909.78	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,213.03	
31 68 13 00-0171		**2" Diameter Bolt, 3-1/2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	363.91	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	727.82	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,213.03	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,819.55	
31 68 13 00-0176		**Tools** *(31 68 13)*		
31 68 13 00-0177		**Hydraulic Jacks, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	773.17	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,139.41	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,911.49	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,861.75	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,277.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	270.56	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	169.59	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	440.48	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	307.18	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	589.95	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	145.51	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	735.46	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	755.58	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,616.75	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	24.93	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	39.43	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	36.32	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	170.69	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,435.89	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,506.94	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	638.29	

END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.38
		For Up To 250, Add	*1.19*
		For >250 To 1,000, Add	*0.60*
		For >5,000 To 10,000, Deduct	*-0.36*
		For >10,000 To 25,000, Deduct	*-0.60*
		For >25,000 To 50,000, Deduct	*-0.83*
		For >50,000, Deduct	*-0.95*
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.86
		For Up To 250, Add	*1.43*
		For >250 To 1,000, Add	*0.72*
		For >5,000 To 10,000, Deduct	*-0.43*
		For >10,000 To 25,000, Deduct	*-0.72*
		For >25,000 To 50,000, Deduct	*-1.00*
		For >50,000, Deduct	*-1.14*
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.44
		For Up To 250, Add	*1.72*
		For >250 To 1,000, Add	*0.86*
		For >5,000 To 10,000, Deduct	*-0.52*
		For >10,000 To 25,000, Deduct	*-0.86*
		For >25,000 To 50,000, Deduct	*-1.20*
		For >50,000, Deduct	*-1.38*
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	3.27
		For Up To 250, Add	*1.64*
		For >250 To 1,000, Add	*0.82*
		For >5,000 To 10,000, Deduct	*-0.49*
		For >10,000 To 25,000, Deduct	*-0.82*
		For >25,000 To 50,000, Deduct	*-1.14*
		For >50,000, Deduct	*-1.31*
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	4.12
		For Up To 250, Add	*2.06*
		For >250 To 1,000, Add	*1.03*
		For >5,000 To 10,000, Deduct	*-0.62*
		For >10,000 To 25,000, Deduct	*-1.03*
		For >25,000 To 50,000, Deduct	*-1.44*
		For >50,000, Deduct	*-1.65*
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	4.12
		For Up To 250, Add	*2.06*
		For >250 To 1,000, Add	*1.03*
		For >5,000 To 10,000, Deduct	*-0.62*
		For >10,000 To 25,000, Deduct	*-1.03*
		For >25,000 To 50,000, Deduct	*-1.44*
		For >50,000, Deduct	*-1.65*

32 01 11 53-0008 Remove Thermoplastic Pavement Markings *(32 01 11 53)*

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	3.07
		For Up To 250, Add	*1.54*
		For >250 To 1,000, Add	*0.77*
		For >5,000 To 10,000, Deduct	*-0.46*
		For >10,000 To 25,000, Deduct	*-0.77*
		For >25,000 To 50,000, Deduct	*-1.07*
		For >50,000, Deduct	*-1.23*
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.62
		For Up To 250, Add	*1.81*
		For >250 To 1,000, Add	*0.91*
		For >5,000 To 10,000, Deduct	*-0.54*
		For >10,000 To 25,000, Deduct	*-0.91*
		For >25,000 To 50,000, Deduct	*-1.27*
		For >50,000, Deduct	*-1.45*
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.37
		For Up To 250, Add	*2.19*
		For >250 To 1,000, Add	*1.09*
		For >5,000 To 10,000, Deduct	*-0.66*
		For >10,000 To 25,000, Deduct	*-1.09*
		For >25,000 To 50,000, Deduct	*-1.53*
		For >50,000, Deduct	*-1.75*
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	4.18
		For Up To 250, Add	*2.09*
		For >250 To 1,000, Add	*1.05*
		For >5,000 To 10,000, Deduct	*-0.63*
		For >10,000 To 25,000, Deduct	*-1.05*
		For >25,000 To 50,000, Deduct	*-1.46*
		For >50,000, Deduct	*-1.67*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.23	
		For Up To 250, Add	*2.62*	
		For >250 To 1,000, Add	*1.31*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000 To 25,000, Deduct	*-1.31*	
		For >25,000 To 50,000, Deduct	*-1.83*	
		For >50,000, Deduct	*-2.09*	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.23	
		For Up To 250, Add	*2.62*	
		For >250 To 1,000, Add	*1.31*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000 To 25,000, Deduct	*-1.31*	
		For >25,000 To 50,000, Deduct	*-1.83*	
		For >50,000, Deduct	*-2.09*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*
Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Minimum Charge For Asphalt Seal Coating Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	986.39	
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.78	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.48	
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat	3.25	
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.94	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.71	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.53	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.36	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.36	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.07	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	5.31	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.35*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.41*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.51*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.95	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.67	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.42	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.18	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	3.97	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.69	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.36*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.42*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.52*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.31	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.01	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.73	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.48	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.25	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	12.01
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	11.41
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.89
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.45
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.04
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.69
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.43
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.30

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	5.03	
		For Up To 2,500, Add	*3.77*	
		For >2,500 To 5,000, Add	*1.26*	
		For >10,000 To 25,000, Deduct	*-0.88*	
		For >25,000, Deduct	*-1.26*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	6.35	
		For Up To 2,500, Add	*4.76*	
		For >2,500 To 5,000, Add	*1.59*	
		For >10,000 To 25,000, Deduct	*-1.11*	
		For >25,000, Deduct	*-1.59*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	8.45	
		For Up To 2,500, Add	*6.34*	
		For >2,500 To 5,000, Add	*2.11*	
		For >10,000 To 25,000, Deduct	*-1.48*	
		For >25,000, Deduct	*-2.11*	

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	33.46	
		For >100 To 1,000, Deduct	*-16.73*	
		For >1,000, Deduct	*-25.10*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	44.31	
		For >100 To 1,000, Deduct	*-22.16*	
		For >1,000, Deduct	*-33.23*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	59.01	
		For >100 To 1,000, Deduct	*-29.51*	
		For >1,000, Deduct	*-44.26*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.71	

32 01 16 71-0012 Wedge Grinding Cold Milling *(32 01 16 71)*

Note: Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning .

32 01 16 71-0013	LF	5' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth	9.30	
32 01 16 71-0014	LF	10' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth	18.59	

32 01 16 71-0015 Cutback Ramp *(32 01 16 71)*

32 01 16 71-0016	LF	1" Differential, 5' Length, Cutback Ramp	13.94	
32 01 16 71-0017	LF	1-1/2" Differential, 5' Length, Cutback Ramp	17.04	
32 01 16 71-0018	LF	2" Differential, 5' Length, Cutback Ramp	19.87	

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	6.34	
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.96	
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.10	
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.45	
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.04	
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.78	
32 01 16 73-0008	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.60	

32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	5.76	
		For >12" To 18" Depth, Add	*1.96*	
32 01 16 73-0011	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	4.52	
		For >12" To 18" Depth, Add	*1.59*	
32 01 16 73-0012	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.87	
		For >12" To 18" Depth, Add	*1.40*	
32 01 16 73-0013	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.46	
		For >12" To 18" Depth, Add	*1.27*	
32 01 16 73-0014	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.20	
		For >12" To 18" Depth, Add	*1.20*	
32 01 16 73-0015	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.02	
		For >12" To 18" Depth, Add	*1.14*	

32 01 16 73-0016 Supplemental Aggregate *(32 01 16 73)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0017	TON	Supplemental Aggregate	86.37	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	12.27	
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	14.43	
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	226.40	

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	18.02	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.01	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.51	
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.27	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.91	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.66	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.83	
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.63	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.63	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.81	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.41	
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.99	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	23.59	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.80	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.90	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.49	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	2,027.74	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	2.02	
		For 3/4" x 1/2" Fill, Add	*0.58*	
		For 1" x 1/2" Fill, Add	*1.09*	
		For Backer Rod, Add	*1.17*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.66	
		For 3/4" x 1/2" Fill, Add	*0.48*	
		For 1" x 1/2" Fill, Add	*0.92*	
		For Backer Rod, Add	*1.06*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.32	
		For 3/4" x 1/2" Fill, Add	*0.39*	
		For 1" x 1/2" Fill, Add	*0.74*	
		For Backer Rod, Add	*0.94*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.14	
		For 3/4" x 1/2" Fill, Add	*0.34*	
		For 1" x 1/2" Fill, Add	*0.65*	
		For Backer Rod, Add	*0.88*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.01	
		For 3/4" x 1/2" Fill, Add	*0.30*	
		For 1" x 1/2" Fill, Add	*0.58*	
		For Backer Rod, Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.93	
		For 3/4" x 1/2" Fill, Add	*0.28*	
		For 1" x 1/2" Fill, Add	*0.53*	
		For Backer Rod, Add	*0.78*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.49	
		For 3/8" x 1/4" Fill, Add	*0.82*	
		For 1/2" x 1/4" Fill, Add	*1.52*	
		For 1/2" x 1/2" Fill, Add	*3.63*	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.82	
		For 3/8" x 1/4" Fill, Add	*0.68*	
		For 1/2" x 1/4" Fill, Add	*1.25*	
		For 1/2" x 1/2" Fill, Add	*3.03*	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.18	
		For 3/8" x 1/4" Fill, Add	*0.54*	
		For 1/2" x 1/4" Fill, Add	*1.00*	
		For 1/2" x 1/2" Fill, Add	*2.43*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.91	
		For 3/8" x 1/4" Fill, Add	*0.47*	
		For 1/2" x 1/4" Fill, Add	*0.88*	
		For 1/2" x 1/2" Fill, Add	*2.14*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.72	
		For 3/8" x 1/4" Fill, Add	*0.42*	
		For 1/2" x 1/4" Fill, Add	*0.78*	
		For 1/2" x 1/2" Fill, Add	*1.91*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.61	
		For 3/8" x 1/4" Fill, Add	*0.39*	
		For 1/2" x 1/4" Fill, Add	*0.73*	
		For 1/2" x 1/2" Fill, Add	*1.76*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.62	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,837.61
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	553.63
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,763.33
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	528.87
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,726.19
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	516.49
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,689.05
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	504.11

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	2,004.04
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	650.86
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,966.90
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	638.48
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,929.76
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	626.10

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,653.57
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	350.81
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,579.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	326.05	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,542.15	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	313.67	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,505.01	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	301.29	
32 01 17 63-0026		Grind Asphalt *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	23.97	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001		Roadway Grooving *(32 01 26 71)*		
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,623.24	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4.28	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	5,150.45	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.58	
32 01 26 71-0006		Rumble Strips *(32 01 26 71)*		
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	5,032.78	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.92	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,608.57	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	1.02	

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001		Removal Of Concrete *(32 01 26 73)* Note: Includes direct loading into truck.		
32 01 26 73-0002		Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)* Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	8.01	
32 01 26 73-0004		Limited Production Milling *(32 01 26 73-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	50.29	

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001		Hot Applied Flexible Concrete Repair *(32 01 29 61)* Note: Excludes saw cutting (where required), flagmen.		
32 01 29 61-0002	EA	Minimum Charge For Hot Applied Flexible Concrete Repair Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,336.87	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	73.54	
		For >25 SF Quantity, Deduct	*-7.35*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	138.01	
		For >25 SF Quantity, Deduct	*-13.80*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	201.87	
		For >25 SF Quantity, Deduct	*-20.19*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	265.73	
		For >25 SF Quantity, Deduct	*-26.57*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	329.58	
		For >25 SF Quantity, Deduct	*-32.96*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	392.83	
32 01 29 61-0009		Cold Applied Flexible Concrete Repair *(32 01 29 61)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.29	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.46	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.75	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	17.16	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	24.47	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.38	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.56	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.84	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	17.25	
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	24.56	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.33	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.51	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.80	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	17.20	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	24.51	

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.86
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	12.19
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	13.35
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.92

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog	239.64
		Note: Includes normal debris removal, cutting, and trimming.	
		For <1 Acre, Add	*59.91*
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	8.29
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	6.42
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	27.21
		For Work On Slopes >2:1, Add	*6.80*
		For Clearing Light Brush, Add	*4.08*
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	22.86
		For Work On Slopes >2:1, Add	*5.72*
		For Clearing Light Brush, Add	*3.43*
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	24.43

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	34.34
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	39.24
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	44.15
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	49.05
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	74.55
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	124.00
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	130.46
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	236.17
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	208.90
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	377.78
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	241.39
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	436.88
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	280.60
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	507.73
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	341.57
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	614.11
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	424.31
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	773.95
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	581.16
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,048.96
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	921.99
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,686.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	42.09
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	48.07
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	54.05
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	60.14
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	91.33
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	151.86
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	159.81
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	289.31
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	255.94
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	462.77
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	295.67
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	535.15
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	343.74
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	621.95
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	418.40
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	752.31
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	519.73
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	948.10
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	711.91
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,284.98
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,129.41
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,066.46

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	46.40
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	52.97
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	59.64
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	66.21
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	100.65
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	167.45
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	176.09
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	318.83
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	282.04
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	510.00
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	325.88
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	589.83
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	378.86
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	685.47
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	461.17
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	829.07
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	572.80
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,044.80
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	784.60
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,416.05
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,244.68
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,277.36

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	49.83
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	56.89
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	64.06
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	71.12
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	108.10
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	179.85
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	189.14
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	342.45
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	302.93
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	547.79
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	350.02
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	633.52
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	406.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	736.25	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	495.30	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	890.47	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	615.28	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,122.27	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	842.67	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,521.04	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,336.90	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,445.98	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	57.19	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	65.43	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	73.57	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	81.72	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	124.20	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	206.65	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	217.39	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	393.57	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	348.15	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	629.63	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	402.31	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	728.11	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	467.64	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	846.18	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	569.27	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,023.54	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	707.20	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,289.94	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	968.63	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,748.35	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,536.63	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,811.57	

32 01 90 23-0117 Palm Tree Pruning *(32 01 90 23)*

32 01 90 23-0118	EA	Trim Mexican Palm Tree	104.01	
32 01 90 23-0119	EA	Trim Date Palm Tree	234.69	
32 01 90 23-0120	LF	Skin Palm Tree	26.67	
32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height	100.37	
32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height	123.99	
32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height	138.75	

32 01 90 23-0124 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed	111.78	
32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height	3.92	
32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height	8.83	
32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'	15.69	
32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground	39.24	
32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work	98.10	

32 01 90 23-0131 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	19.62	
32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree	24.53	
32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	29.43	
32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree	39.24	
32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree	58.85	
32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	73.57	
32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	103.00	
32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	117.72	
32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	137.34	
32 01 90 23-0141	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	171.67	
32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	210.91	
32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	245.25	
32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	269.78	
32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	294.29	

32 01 90 26 Watering *(32 01 90)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	54.05
32 01 90 26-0003	CSF	Watering Groundcover	8.38
32 01 90 26-0004	CSF	Watering Annuals And Perennials	14.87
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	28.79
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	37.83
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	46.89
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	57.72
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	14.47

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	9.16
		For >45 To 90, Deduct	*-0.50*
		For >90 To 225, Deduct	*-1.42*
		For >225 To 870, Deduct	*-2.33*
		For >870, Deduct	*-2.83*
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	9.86
		For >45 To 90, Deduct	*-0.57*
		For >90 To 225, Deduct	*-1.56*
		For >225 To 870, Deduct	*-2.54*
		For >870, Deduct	*-3.11*
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF)	9.81
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	*-0.57*
		For >90 To 225, Deduct	*-1.55*
		For >225 To 870, Deduct	*-2.53*
		For >870, Deduct	*-3.09*
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF)	10.25
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	*-0.61*
		For >90 To 225, Deduct	*-1.64*
		For >225 To 870, Deduct	*-2.66*
		For >870, Deduct	*-3.27*

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.73
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.77
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.87

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	48.03
32 01 90 43-0002	MSF	Weed Unmulched Bed	137.21
32 01 90 43-0003	MSF	Cultivate Bed	73.88

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	6.42
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	9.63
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	14.58
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	14.85

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	7.24

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Decorative Landscape Boulders *(32 05 33)*

Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA	1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each)	90.33
32 05 33 00-0003	EA	1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	135.50
32 05 33 00-0004	EA	2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	180.67
32 05 33 00-0005	EA	2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each)	241.03
32 05 33 00-0006	EA	2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each)	271.29
32 05 33 00-0007	EA	2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	361.73
32 05 33 00-0008	EA	2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	452.15
32 05 33 00-0009	EA	3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	542.59
32 05 33 00-0010	EA	3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	633.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 05 33 00-0011	EA	3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each)	723.45	
32 05 33 00-0012	EA	3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each)	813.88	
32 05 33 00-0013	EA	3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	904.32	
32 05 33 00-0014	EA	3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each)	1,085.17	
32 05 33 00-0015	TON	Landscape Boulders	723.45	

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	113.30
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	108.99

32 11 16 16-0005 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0006	SY	2" Class II Graded Crushed Aggregate Base Course	6.27
		For Up To 500, Add	*1.62*
		For >500 To 1,000, Add	*0.63*
		For >5,000 To 10,000, Deduct	*-0.24*
		For >10,000, Deduct	*-0.41*
32 11 16 16-0007	SY	4" Class II Crushed Aggregate Base Course	12.54
		For Up To 500, Add	*3.24*
		For >500 To 1,000, Add	*1.25*
		For >5,000 To 10,000, Deduct	*-0.48*
		For >10,000, Deduct	*-0.82*
32 11 16 16-0008	SY	6" Class II Crushed Aggregate Base Course	18.81
		For Up To 500, Add	*4.85*
		For >500 To 1,000, Add	*1.88*
		For >5,000 To 10,000, Deduct	*-0.71*
		For >10,000, Deduct	*-1.22*
32 11 16 16-0009	SY	9" Class II Crushed Aggregate Base Course	28.21
		For Up To 500, Add	*7.28*
		For >500 To 1,000, Add	*2.82*
		For >5,000 To 10,000, Deduct	*-1.07*
		For >10,000, Deduct	*-1.83*
32 11 16 16-0010	SY	12" Class II Crushed Aggregate Base Course	37.62
		For Up To 500, Add	*9.71*
		For >500 To 1,000, Add	*3.76*
		For >5,000 To 10,000, Deduct	*-1.43*
		For >10,000, Deduct	*-2.45*

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.78
		For Up To 1,000, Add	*0.22*
		For >1,000 To 2,500, Add	*0.08*
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.09
		For Up To 1,000, Add	*0.30*
		For >1,000 To 2,500, Add	*0.11*
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.40
		For Up To 1,000, Add	*0.39*
		For >1,000 To 2,500, Add	*0.14*
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.84
		For Up To 1,000, Add	*0.51*
		For >1,000 To 2,500, Add	*0.18*
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.26
		For Up To 1,000, Add	*0.63*
		For >1,000 To 2,500, Add	*0.23*
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.60
		For Up To 1,000, Add	*0.72*
		For >1,000 To 2,500, Add	*0.26*
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.94
		For Up To 1,000, Add	*0.82*
		For >1,000 To 2,500, Add	*0.29*

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 26 19-0001		Bituminous-Stabilized Base Courses *(32 11 26 19)*		
32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	110.75	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.83	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.08*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.93	
		For Up To 150, Add	*0.19*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	1.13	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	1.23	
		For Up To 150, Add	*0.27*	
		For >150 To 300, Add	*0.12*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.08*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.43	
		For Up To 150, Add	*0.32*	
		For >150 To 300, Add	*0.14*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.10*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.54	
		For Up To 150, Add	*0.34*	
		For >150 To 300, Add	*0.15*	
		For >300 To 500, Add	*0.08*	
		For >3,500 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.11*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	2.62	
		For Up To 150, Add	*0.61*	
		For >150 To 300, Add	*0.26*	
		For >300 To 500, Add	*0.13*	
		For >3,500 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.18*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	2.78	
		For Up To 150, Add	*0.65*	
		For >150 To 300, Add	*0.28*	
		For >300 To 500, Add	*0.14*	
		For >3,500 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.20*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.95	
		For Up To 150, Add	*0.69*	
		For >150 To 300, Add	*0.30*	
		For >300 To 500, Add	*0.15*	
		For >3,500 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.21*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001		Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)* Note: S (3/4") aggregate gradation		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY	150.27	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*17.06*	
		For Up To 25, Add	*21.60*	
		For >25 To 50, Add	*12.08*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000 To 2,500, Deduct	*-11.28*	
		For >2,500 To 5,000, Deduct	*-17.49*	
		For >5,000, Deduct	*-25.10*	
		For Warm Mix Additive, Add	*7.39*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course	8.56	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.94*	
		For Up To 1,000, Add	*1.27*	
		For >1,000 To 2,000, Add	*0.72*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 100,000, Deduct	*-1.01*	
		For >100,000, Deduct	*-1.46*	
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	12.68	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.41*	
		For Up To 700, Add	*1.86*	
		For >700 To 1,400, Add	*1.05*	
		For >7,000 To 14,000, Deduct	*-0.53*	
		For >14,000 To 32,000, Deduct	*-0.98*	
		For >32,000 To 64,000, Deduct	*-1.51*	
		For >64,000, Deduct	*-2.17*	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course	16.31	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.87*	
		For Up To 500, Add	*2.32*	
		For >500 To 1,000, Add	*1.29*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 24,000, Deduct	*-1.28*	
		For >24,000 To 48,000, Deduct	*-1.98*	
		For >48,000, Deduct	*-2.84*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	20.62	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.34*	
		For Up To 400, Add	*2.96*	
		For >400 To 800, Add	*1.66*	
		For >4,000 To 8,000, Deduct	*-0.88*	
		For >8,000 To 20,000, Deduct	*-1.61*	
		For >20,000 To 40,000, Deduct	*-2.49*	
		For >40,000, Deduct	*-3.57*	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	24.76	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.81*	
		For Up To 340, Add	*3.56*	
		For >340 To 680, Add	*2.93*	
		For >3,400 To 6,800, Deduct	*-1.06*	
		For >6,800 To 17,000, Deduct	*-1.93*	
		For >17,000 To 34,000, Deduct	*-2.98*	
		For >34,000, Deduct	*-4.29*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	28.87	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.28*	
		For Up To 280, Add	*4.15*	
		For >280 To 560, Add	*2.32*	
		For >2,800 To 5,600, Deduct	*-1.23*	
		For >5,600 To 14,000, Deduct	*-2.25*	
		For >14,000 To 28,000, Deduct	*-3.48*	
		For >28,000, Deduct	*-5.00*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	33.00	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.75*	
		For Up To 250, Add	*4.74*	
		For >250 To 500, Add	*2.65*	
		For >2,500 To 5,000, Deduct	*-1.41*	
		For >5,000 To 12,000, Deduct	*-2.57*	
		For >12,000 To 24,000, Deduct	*-3.98*	
		For >24,000, Deduct	*-5.72*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	41.26	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.68*	
		For Up To 200, Add	*5.93*	
		For >200 To 400, Add	*3.32*	
		For >2,000 To 4,000, Deduct	*-1.76*	
		For >4,000 To 10,000, Deduct	*-3.21*	
		For >10,000 To 20,000, Deduct	*-4.97*	
		For >20,000, Deduct	*-7.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	49.50	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*5.62*	
		For Up To 160, Add	*7.12*	
		For >160 To 320, Add	*3.98*	
		For >1,600 To 3,200, Deduct	*-2.11*	
		For >3,200 To 8,000, Deduct	*-3.85*	
		For >8,000 To 16,000, Deduct	*-5.97*	
		For >16,000, Deduct	*-8.58*	
32 12 16 13-0012		**Surface Wearing Courses, Hot Mix Asphalt (HMA)** *(32 12 16 13)*		
		Note: SX (1/2") aggregate gradation		
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY	154.19	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*8.14*	
		For Up To 25, Add	*23.63*	
		For >25 To 50, Add	*13.41*	
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000 To 2,500, Deduct	*-11.08*	
		For >2,500 To 5,000, Deduct	*-17.16*	
		For >5,000, Deduct	*-24.65*	
		For Warm Mix Additive, Add	*7.06*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	171.57	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Up To 25, Add	*26.74*	
		For >25 To 50, Add	*15.23*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000 To 2,500, Deduct	*-12.17*	
		For >2,500 To 5,000, Deduct	*-18.85*	
		For >5,000, Deduct	*-27.09*	
		For Warm Mix Additive, Add	*7.69*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course	182.42	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Up To 25, Add	*27.83*	
		For >25 To 50, Add	*15.78*	
		For >500 To 1,000, Deduct	*-7.22*	
		For >1,000 To 2,500, Deduct	*-13.15*	
		For >2,500 To 5,000, Deduct	*-20.37*	
		For >5,000, Deduct	*-29.26*	
		For Warm Mix Additive, Add	*8.40*	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course	8.44	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.43*	
		For Up To 1,000, Add	*1.34*	
		For >1,000 To 2,000, Add	*0.77*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000 To 50,000, Deduct	*-0.62*	
		For >50,000 To 100,000, Deduct	*-0.96*	
		For >100,000, Deduct	*-1.39*	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course	12.48	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.64*	
		For Up To 700, Add	*1.96*	
		For >700 To 1,400, Add	*1.12*	
		For >7,000 To 14,000, Deduct	*-0.51*	
		For >14,000 To 32,000, Deduct	*-0.93*	
		For >32,000 To 64,000, Deduct	*-1.43*	
		For >64,000, Deduct	*-2.06*	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course	15.93	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.85*	
		For Up To 500, Add	*2.41*	
		For >500 To 1,000, Add	*1.37*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000 To 24,000, Deduct	*-1.21*	
		For >24,000 To 48,000, Deduct	*-1.87*	
		For >48,000, Deduct	*-2.69*	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course	20.20	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.07*	
		For Up To 400, Add	*3.10*	
		For >400 To 800, Add	*1.76*	
		For >4,000 To 8,000, Deduct	*-0.83*	
		For >8,000 To 20,000, Deduct	*-1.52*	
		For >20,000 To 40,000, Deduct	*-2.35*	
		For >40,000, Deduct	*-3.38*	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course	24.25	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.28*	
		For Up To 340, Add	*3.72*	
		For >340 To 680, Add	*2.96*	
		For >3,400 To 6,800, Deduct	*-1.00*	
		For >6,800 To 17,000, Deduct	*-1.82*	
		For >17,000 To 34,000, Deduct	*-2.82*	
		For >34,000, Deduct	*-4.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	102.34	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY	409.20	
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 13-0024 AC Dikes *(32 12 16 13)*

See CSI section 32 11 23 16-0001 for base course.

32 12 16 13-0025	LF	Type A, Asphalt Concrete Dike	15.21	5.98
		For Up To 100, Add	*6.80*	
		For >100 To 500, Add	*1.96*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.96*	
32 12 16 13-0026	LF	Type C, Asphalt Concrete Dike	12.89	5.98
		For Up To 100, Add	*6.22*	
		For >100 To 500, Add	*1.84*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.84*	
32 12 16 13-0027	LF	Type D, Asphalt Concrete Dike	19.03	5.98
		For Up To 100, Add	*7.75*	
		For >100 To 500, Add	*2.15*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-2.15*	
32 12 16 13-0028	LF	Type E, Asphalt Concrete Dike	15.13	5.98
		For Up To 100, Add	*6.78*	
		For >100 To 500, Add	*1.95*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.95*	
32 12 16 13-0029	LF	Type F, Asphalt Concrete Dike	13.57	5.98
		For Up To 100, Add	*6.39*	
		For >100 To 500, Add	*1.88*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.88*	

32 12 16 13-0030 Ditch Lining *(32 12 16 13)*

32 12 16 13-0031	SY	4" Concrete Ditch Pavement	70.47
32 12 16 13-0032	SY	4" Asphalt Ditch Pavement	54.09
32 12 16 13-0033	SY	4" Soil-Cement Ditch Pavement	8.01
32 12 16 13-0034	SY	4" Rip-Rap Ditch Pavement	11.43

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	13.60
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	13.17
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	20.40

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	39.45
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	29.21
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	17.56

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 30 Lb. of gravel/SY.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	3.36	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	6.09	

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 20 Lb. of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	2.17	

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.67	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.12	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.87	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.60	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.44	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.32	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.18	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.09	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.62	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.00	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.69	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.52	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.95	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.77	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.68	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.49	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.78	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.42	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.02	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.80	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.28	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	

32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.56	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.85	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.50	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.10	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.88	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.68	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.37	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.26	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	

32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	11.39	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.46	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.94	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.33	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.01	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.62	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.30	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.15	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	

32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.

32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.84	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.61	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.36	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.24	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.12	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.00	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.95	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	

32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.15	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.76	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.33	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.97	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.76	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.60	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.55	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	7.07	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.57	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.22	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.84	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.61	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.31	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.11	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.04	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	7.15	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.67	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.30	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.89	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.68	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.21	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.13	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	

32 12 36 13-0084 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal	2.13
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.56
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.33
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.14
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	1.04
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.95
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.89
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal	0.86

32 12 36 13-0093 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal	3.27
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal	2.16
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal	2.16
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal	1.90
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal	1.76
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal	1.65
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal	1.56
32 12 36 13-0101	SY	>50,000 SY, Sand Seal	1.53

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	18.05
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	17.00
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	15.00
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	13.47
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.46
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.45
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	21.98
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.80
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	18.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	16.60	
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	14.18	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.76	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	42.12
		Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	
		For Up To 100, Add	*14.19*
		For >100 To 500, Add	*3.57*
		For >1,000 To 5,000, Deduct	*-1.46*
		For >5,000, Deduct	*-3.02*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.79

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

See CSI section 03 31 13 00-0016 for additional concrete at edges.

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	65.32
		For 2,500 PSI Concrete, Deduct	*-3.75*
		For 3,000 PSI Concrete, Deduct	*-2.44*
		For 3,500 PSI Concrete, Deduct	*-1.96*
		For 4,000 PSI Concrete, Deduct	*-0.85*
		For 5,000 PSI Concrete, Add	*0.52*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.24*
		For <12' Wide Pass, Add	*11.44*
		For 24' Or Greater Wide Pass, Deduct	*-13.06*
		For Air Entrainment, Add	*1.63*
		For Slipforming, Deduct	*-6.53*
		For Up To 100, Add	*26.16*
		For >100 To 250, Add	*14.71*
		For >250 To 500, Add	*7.35*
		For >1,000 To 2,000, Deduct	*-1.63*
		For >2,000 To 5,000, Deduct	*-3.26*
		For >5,000 To 10,000, Deduct	*-4.90*
		For >10,000 To 20,000, Deduct	*-6.53*
		For >20,000, Deduct	*-8.16*
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	77.27
		For 2,500 PSI Concrete, Deduct	*-4.70*
		For 3,000 PSI Concrete, Deduct	*-3.07*
		For 3,500 PSI Concrete, Deduct	*-2.45*
		For 4,000 PSI Concrete, Deduct	*-1.06*
		For 5,000 PSI Concrete, Add	*0.65*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.32*
		For <12' Wide Pass, Add	*13.18*
		For 24' Or Greater Wide Pass, Deduct	*-15.45*
		For Air Entrainment, Add	*2.05*
		For Slipforming, Deduct	*-7.73*
		For Up To 100, Add	*30.00*
		For >100 To 250, Add	*17.05*
		For >250 To 500, Add	*8.52*
		For >1,000 To 2,000, Deduct	*-2.05*
		For >2,000 To 5,000, Deduct	*-3.98*
		For >5,000 To 10,000, Deduct	*-5.91*
		For >10,000 To 20,000, Deduct	*-7.84*
		For >20,000, Deduct	*-9.77*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	82.55	
		For 2,500 PSI Concrete, Deduct	*-4.96*	
		For 3,000 PSI Concrete, Deduct	*-3.24*	
		For 3,500 PSI Concrete, Deduct	*-2.59*	
		For 4,000 PSI Concrete, Deduct	*-1.12*	
		For 5,000 PSI Concrete, Add	*0.69*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.61*	
		For <12' Wide Pass, Add	*14.17*	
		For 24' Or Greater Wide Pass, Deduct	*-16.51*	
		For Air Entrainment, Add	*2.16*	
		For Slipforming, Deduct	*-8.26*	
		For Up To 100, Add	*32.27*	
		For >100 To 250, Add	*18.29*	
		For >250 To 500, Add	*9.15*	
		For >1,000 To 2,000, Deduct	*-2.16*	
		For >2,000 To 5,000, Deduct	*-4.22*	
		For >5,000 To 10,000, Deduct	*-6.29*	
		For >10,000 To 20,000, Deduct	*-8.35*	
		For >20,000, Deduct	*-10.41*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	98.05	
		For 2,500 PSI Concrete, Deduct	*-6.26*	
		For 3,000 PSI Concrete, Deduct	*-4.08*	
		For 3,500 PSI Concrete, Deduct	*-3.26*	
		For 4,000 PSI Concrete, Deduct	*-1.41*	
		For 5,000 PSI Concrete, Add	*0.87*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.07*	
		For <12' Wide Pass, Add	*16.35*	
		For 24' Or Greater Wide Pass, Deduct	*-19.61*	
		For Air Entrainment, Add	*2.72*	
		For Slipforming, Deduct	*-9.81*	
		For Up To 100, Add	*37.07*	
		For >100 To 250, Add	*21.25*	
		For >250 To 500, Add	*10.63*	
		For >1,000 To 2,000, Deduct	*-2.72*	
		For >2,000 To 5,000, Deduct	*-5.17*	
		For >5,000 To 10,000, Deduct	*-7.62*	
		For >10,000 To 20,000, Deduct	*-10.07*	
		For >20,000, Deduct	*-12.53*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	112.10	
		For 2,500 PSI Concrete, Deduct	*-6.87*	
		For 3,000 PSI Concrete, Deduct	*-4.48*	
		For 3,500 PSI Concrete, Deduct	*-3.58*	
		For 4,000 PSI Concrete, Deduct	*-1.55*	
		For 5,000 PSI Concrete, Add	*0.96*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.76*	
		For <12' Wide Pass, Add	*19.07*	
		For 24' Or Greater Wide Pass, Deduct	*-22.42*	
		For Air Entrainment, Add	*2.99*	
		For Slipforming, Deduct	*-11.21*	
		For Up To 100, Add	*43.37*	
		For >100 To 250, Add	*24.67*	
		For >250 To 500, Add	*12.34*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000 To 5,000, Deduct	*-5.79*	
		For >5,000 To 10,000, Deduct	*-8.59*	
		For >10,000 To 20,000, Deduct	*-11.39*	
		For >20,000, Deduct	*-14.20*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	126.84	
		For 2,500 PSI Concrete, Deduct	*-7.94*	
		For 3,000 PSI Concrete, Deduct	*-5.18*	
		For 3,500 PSI Concrete, Deduct	*-4.14*	
		For 4,000 PSI Concrete, Deduct	*-1.79*	
		For 5,000 PSI Concrete, Add	*1.10*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.97*	
		For <12' Wide Pass, Add	*21.36*	
		For 24' Or Greater Wide Pass, Deduct	*-25.37*	
		For Air Entrainment, Add	*3.45*	
		For Slipforming, Deduct	*-12.68*	
		For Up To 100, Add	*48.50*	
		For >100 To 250, Add	*27.70*	
		For >250 To 500, Add	*13.85*	
		For >1,000 To 2,000, Deduct	*-3.45*	
		For >2,000 To 5,000, Deduct	*-6.62*	
		For >5,000 To 10,000, Deduct	*-9.79*	
		For >10,000 To 20,000, Deduct	*-12.96*	
		For >20,000, Deduct	*-16.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	141.38	
		For 2,500 PSI Concrete, Deduct	*-8.73*	
		For 3,000 PSI Concrete, Deduct	*-5.69*	
		For 3,500 PSI Concrete, Deduct	*-4.55*	
		For 4,000 PSI Concrete, Deduct	*-1.97*	
		For 5,000 PSI Concrete, Add	*1.21*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.87*	
		For <12' Wide Pass, Add	*23.96*	
		For 24' Or Greater Wide Pass, Deduct	*-28.28*	
		For Air Entrainment, Add	*3.80*	
		For Slipforming, Deduct	*-14.14*	
		For Up To 100, Add	*54.46*	
		For >100 To 250, Add	*31.03*	
		For >250 To 500, Add	*15.51*	
		For >1,000 To 2,000, Deduct	*-3.80*	
		For >2,000 To 5,000, Deduct	*-7.33*	
		For >5,000 To 10,000, Deduct	*-10.86*	
		For >10,000 To 20,000, Deduct	*-14.40*	
		For >20,000, Deduct	*-17.93*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	168.45	
		For 2,500 PSI Concrete, Deduct	*-10.34*	
		For 3,000 PSI Concrete, Deduct	*-6.74*	
		For 3,500 PSI Concrete, Deduct	*-5.39*	
		For 4,000 PSI Concrete, Deduct	*-2.34*	
		For 5,000 PSI Concrete, Add	*1.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.69*	
		For <12' Wide Pass, Add	*28.63*	
		For 24' Or Greater Wide Pass, Deduct	*-33.69*	
		For Air Entrainment, Add	*4.49*	
		For Slipforming, Deduct	*-16.85*	
		For Up To 100, Add	*65.11*	
		For >100 To 250, Add	*37.05*	
		For >250 To 500, Add	*18.53*	
		For >1,000 To 2,000, Deduct	*-4.49*	
		For >2,000 To 5,000, Deduct	*-8.71*	
		For >5,000 To 10,000, Deduct	*-12.92*	
		For >10,000 To 20,000, Deduct	*-17.13*	
		For >20,000, Deduct	*-21.34*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	214.65	
		For 2,500 PSI Concrete, Deduct	*-12.69*	
		For 3,000 PSI Concrete, Deduct	*-8.28*	
		For 3,500 PSI Concrete, Deduct	*-6.62*	
		For 4,000 PSI Concrete, Deduct	*-2.87*	
		For 5,000 PSI Concrete, Add	*1.77*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*14.35*	
		For <12' Wide Pass, Add	*37.10*	
		For 24' Or Greater Wide Pass, Deduct	*-42.93*	
		For Air Entrainment, Add	*5.52*	
		For Slipforming, Deduct	*-21.47*	
		For Up To 100, Add	*84.63*	
		For >100 To 250, Add	*47.84*	
		For >250 To 500, Add	*23.92*	
		For >1,000 To 2,000, Deduct	*-5.52*	
		For >2,000 To 5,000, Deduct	*-10.89*	
		For >5,000 To 10,000, Deduct	*-16.25*	
		For >10,000 To 20,000, Deduct	*-21.62*	
		For >20,000, Deduct	*-26.98*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.77	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	19.29	
		For >5,000 To 30,000, Deduct	*-2.06*	
		For >30,000 To 100,000, Deduct	*-3.77*	
		For >100,000, Deduct	*-4.68*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	24.51	
		For >5,000 To 30,000, Deduct	*-2.54*	
		For >30,000 To 100,000, Deduct	*-4.56*	
		For >100,000, Deduct	*-5.67*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0001		Concrete Pavement Joint And Crack Repair *(32 13 73 13)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002		Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*		
32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	647.12	
		For Custom Match Coloring, Add	*16.36*	
		For 1 Part Mildew Resistant, Add	*23.85*	
		For High-Modulus Non-Acid Curing, Add	*13.63*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	719.79	
		For Custom Match Coloring, Add	*24.53*	
		For 1 Part Mildew Resistant, Add	*35.78*	
		For High-Modulus Non-Acid Curing, Add	*20.44*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	792.47	
		For Custom Match Coloring, Add	*32.71*	
		For 1 Part Mildew Resistant, Add	*47.71*	
		For High-Modulus Non-Acid Curing, Add	*27.26*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	809.50	
		For Custom Match Coloring, Add	*36.80*	
		For 1 Part Mildew Resistant, Add	*53.67*	
		For High-Modulus Non-Acid Curing, Add	*30.67*	
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	879.91	
		For Custom Match Coloring, Add	*49.07*	
		For 1 Part Mildew Resistant, Add	*71.55*	
		For High-Modulus Non-Acid Curing, Add	*40.89*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	950.32	
		For Custom Match Coloring, Add	*61.33*	
		For 1 Part Mildew Resistant, Add	*89.44*	
		For High-Modulus Non-Acid Curing, Add	*51.11*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,040.02	
		For Custom Match Coloring, Add	*73.60*	
		For 1 Part Mildew Resistant, Add	*107.33*	
		For High-Modulus Non-Acid Curing, Add	*61.33*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	967.36	
		For Custom Match Coloring, Add	*65.42*	
		For 1 Part Mildew Resistant, Add	*95.41*	
		For High-Modulus Non-Acid Curing, Add	*54.52*	
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,112.70	
		For Custom Match Coloring, Add	*81.78*	
		For 1 Part Mildew Resistant, Add	*119.26*	
		For High-Modulus Non-Acid Curing, Add	*68.15*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,219.45	
		For Custom Match Coloring, Add	*98.13*	
		For 1 Part Mildew Resistant, Add	*143.11*	
		For High-Modulus Non-Acid Curing, Add	*81.78*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,326.19	
		For Custom Match Coloring, Add	*114.49*	
		For 1 Part Mildew Resistant, Add	*166.96*	
		For High-Modulus Non-Acid Curing, Add	*95.41*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,413.63	
		For Custom Match Coloring, Add	*130.84*	
		For 1 Part Mildew Resistant, Add	*190.81*	
		For High-Modulus Non-Acid Curing, Add	*109.04*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,501.08	
		For Custom Match Coloring, Add	*147.20*	
		For 1 Part Mildew Resistant, Add	*214.67*	
		For High-Modulus Non-Acid Curing, Add	*122.67*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,778.21	
		For Custom Match Coloring, Add	*204.44*	
		For 1 Part Mildew Resistant, Add	*298.15*	
		For High-Modulus Non-Acid Curing, Add	*170.37*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,055.32	
		For Custom Match Coloring, Add	*261.69*	
		For 1 Part Mildew Resistant, Add	*381.63*	
		For High-Modulus Non-Acid Curing, Add	*218.07*	
32 13 73 16		**Field-Molded Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 16-0001		Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	14.48	
32 13 73 19		**Compression Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 19-0001		Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)* Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	590.48	122.90
		For >25 To 50, Deduct	*-15.75*	
		For >50 To 100, Deduct	*-32.00*	
		For >100 To 175, Deduct	*-46.76*	
		For >175 To 250, Deduct	*-63.99*	
		For >250, Deduct	*-81.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 19-0003	CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	668.16	131.09
		For >25 To 50, Deduct	*-18.14*	
		For >50 To 100, Deduct	*-37.00*	
		For >100 To 175, Deduct	*-53.71*	
		For >175 To 250, Deduct	*-74.01*	
		For >250, Deduct	*-94.31*	
32 13 73 19-0004	CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	771.45	139.29
		For >25 To 50, Deduct	*-21.43*	
		For >50 To 100, Deduct	*-43.93*	
		For >100 To 175, Deduct	*-63.22*	
		For >175 To 250, Deduct	*-87.86*	
		For >250, Deduct	*-112.51*	
32 13 73 19-0005	CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,120.77	155.66
		For >25 To 50, Deduct	*-33.00*	
		For >50 To 100, Deduct	*-68.49*	
		For >100 To 175, Deduct	*-96.51*	
		For >175 To 250, Deduct	*-136.98*	
		For >250, Deduct	*-177.45*	
32 13 73 19-0006	CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,526.54	184.35
		For >25 To 50, Deduct	*-46.06*	
		For >50 To 100, Deduct	*-96.06*	
		For >100 To 175, Deduct	*-134.22*	
		For >175 To 250, Deduct	*-192.11*	
		For >250, Deduct	*-250.01*	
32 13 73 19-0007	CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,194.00	204.83
		For >25 To 50, Deduct	*-68.60*	
		For >50 To 100, Deduct	*-144.07*	
		For >100 To 175, Deduct	*-198.92*	
		For >175 To 250, Deduct	*-288.14*	
		For >250, Deduct	*-377.35*	
32 13 73 19-0008	CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	3,059.59	227.59
		For >25 To 50, Deduct	*-97.98*	
		For >50 To 100, Deduct	*-206.71*	
		For >100 To 175, Deduct	*-283.20*	
		For >175 To 250, Deduct	*-413.42*	
		For >250, Deduct	*-543.64*	

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.43	1.21
		For >1,000 To 2,000, Deduct	*-0.77*	
		For >2,000 To 4,000, Deduct	*-1.11*	
		For >4,000, Deduct	*-1.43*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.90	1.21
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.40*	
		For >2,000, Deduct	*-0.59*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.67	1.21
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 1,500, Deduct	*-0.93*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.71	1.21
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 1,500, Deduct	*-1.19*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	8.72	1.21
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 1,500, Deduct	*-1.69*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	10.25	1.21
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 1,500, Deduct	*-2.08*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	1.18	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	1.39	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.16*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.15*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.78	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.20*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	2.23	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.25*	
		For >1,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
32 14 11 00-0006	SF	1" Mortar Bedding	3.73	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.49*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.48*	
32 14 11 00-0007	SF	2" Mortar Bedding	5.43	
		For Up To 100, Add	*2.37*	
		For >100 To 500, Add	*0.68*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.65*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.88	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.25*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	13.15	3.79
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.21*	
		For 3-1/8" Concrete Paver, Add	*1.95*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.04*	
		For Up To 100, Add	*5.19*	
		For >100 To 500, Add	*1.42*	
		For >1,000 To 5,000, Deduct	*-0.76*	
		For >5,000, Deduct	*-1.31*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	12.45	3.46
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.18*	
		For 3-1/8" Concrete Paver, Add	*1.90*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.97*	
		For Up To 100, Add	*4.84*	
		For >100 To 500, Add	*1.31*	
		For >1,000 To 5,000, Deduct	*-0.69*	
		For >5,000, Deduct	*-1.20*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	11.83	2.75
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.14*	
		For 3-1/8" Concrete Paver, Add	*1.86*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.91*	
		For Up To 100, Add	*4.53*	
		For >100 To 500, Add	*1.22*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.11*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	11.25	2.86
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.12*	
		For 3-1/8" Concrete Paver, Add	*1.81*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.85*	
		For Up To 100, Add	*4.24*	
		For >100 To 500, Add	*1.13*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.02*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	12.12	3.29
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*1.16*	
		For 3-1/8" Concrete Paver, Add	*1.88*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For Up To 100, Add	*4.68*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 19		**Porous Precast Concrete Unit Paving** *(32 14 13)*		
32 14 13 19-0001		Turf Block *(32 14 13 19)*		
		Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	13.63	3.29
		For Up To 100, Add	*5.06*	
		For >100 To 500, Add	*1.34*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.20*	
32 14 16		**Brick Unit Paving** *(32 14)*		
32 14 16 00-0001		Brick Paver Sidewalk *(32 14 16)*		
		Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.88	3.79
		For 1-3/8" Thick Paver, Deduct	*-3.62*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.28*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.23*	
		For Up To 100, Add	*6.13*	
		For >100 To 500, Add	*1.61*	
		For >1,000 To 5,000, Deduct	*-0.76*	
		For >5,000, Deduct	*-1.42*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	25.13	4.34
		For 1-3/8" Thick Paver, Deduct	*-6.20*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.49*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.69*	
		For Up To 100, Add	*8.45*	
		For >100 To 500, Add	*2.12*	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.79*	
32 14 33		**Plastic Paving** *(32 14)*		
32 14 33 13		**Permeable Plastic Paving** *(32 14 33)*		
32 14 33 13-0001		Turf Block Plastic Paving *(32 14 33 13)*		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	20.57	3.29
		For Up To 100, Add	*6.79*	
		For >100 To 500, Add	*1.69*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.41*	
32 14 40		**Stone Paving** *(32 14)*		
32 14 40 00-0001		Slate Paver Sidewalk *(32 14 40)*		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	17.18	3.15
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.17*	
		For 1/4" Thick Paver, Deduct	*-8.54*	
		For 1/2" Thick Paver, Deduct	*-5.95*	
		For Up To 100, Add	*5.87*	
		For >100 To 500, Add	*1.49*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.27*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	16.60	2.86
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.12*	
		For 1/4" Thick Paver, Deduct	*-8.39*	
		For 1/2" Thick Paver, Deduct	*-5.86*	
		For Up To 100, Add	*5.58*	
		For >100 To 500, Add	*1.40*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.18*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	15.61	2.36
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.02*	
		For 1/4" Thick Paver, Deduct	*-8.15*	
		For 1/2" Thick Paver, Deduct	*-5.71*	
		For Up To 100, Add	*5.09*	
		For >100 To 500, Add	*1.25*	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	15.18	2.14
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.97*	
		For 1/4" Thick Paver, Deduct	*-8.04*	
		For 1/2" Thick Paver, Deduct	*-5.65*	
		For Up To 100, Add	*4.87*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.97*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	16.06	2.59
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.06*	
		For 1/4" Thick Paver, Deduct	*-8.26*	
		For 1/2" Thick Paver, Deduct	*-5.78*	
		For Up To 100, Add	*5.31*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-1.10*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	33.93	3.15
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*2.01*	
		For 2" Granite Paver, Add	*1.70*	
		For 3" Granite Paver, Add	*3.39*	
		For 4" Granite Paver, Add	*3.71*	
		For Up To 100, Add	*10.06*	
		For >100 To 500, Add	*2.33*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.77*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	33.35	2.86
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.95*	
		For 2" Granite Paver, Add	*1.67*	
		For 3" Granite Paver, Add	*3.34*	
		For 4" Granite Paver, Add	*3.62*	
		For Up To 100, Add	*9.77*	
		For >100 To 500, Add	*2.24*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.69*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	32.36	2.36
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.85*	
		For 2" Granite Paver, Add	*1.62*	
		For 3" Granite Paver, Add	*3.24*	
		For 4" Granite Paver, Add	*3.47*	
		For Up To 100, Add	*9.27*	
		For >100 To 500, Add	*2.09*	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-1.54*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	31.93	2.14
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.81*	
		For 2" Granite Paver, Add	*1.60*	
		For 3" Granite Paver, Add	*3.19*	
		For 4" Granite Paver, Add	*3.41*	
		For Up To 100, Add	*9.06*	
		For >100 To 500, Add	*2.03*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-1.47*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	32.81	2.59
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.90*	
		For 2" Granite Paver, Add	*1.64*	
		For 3" Granite Paver, Add	*3.28*	
		For 4" Granite Paver, Add	*3.54*	
		For Up To 100, Add	*9.50*	
		For >100 To 500, Add	*2.16*	
		For >1,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-1.61*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	111.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 15 40 00-0003		**Limestone Screenings** *(32 15 40)*		
		Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail	77.28	
32 15 40 00-0005		**Decomposed Granite** *(32 15 40)*		
		Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	21.03	
		Note: Placed in 2 lifts.		
		For Additional 2" Lift	*10.52*	
		For >45 To 180, Deduct	*-1.42*	
		For >180 To 450, Deduct	*-1.78*	
		For >450, Deduct	*-2.15*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001		**CALTRANs Cast In Place Concrete Curbs Assemblies** *(32 16 13 13)*		
		Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002	LF	CALTRANs Type A1-6 Straight Concrete Curb Assembly	29.68	12.79
		For Up To 20, Add	*17.13*	
		For >20 To 50, Add	*9.68*	
		For >50 To 100, Add	*3.72*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000, Deduct	*-6.33*	
32 16 13 13-0003	LF	CALTRANs Type A1-6 Radius Concrete Curb Assembly	33.26	14.70
		For Up To 20, Add	*19.60*	
		For >20 To 50, Add	*11.09*	
		For >50 To 100, Add	*4.25*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-7.21*	
32 16 13 13-0004	LF	CALTRANs Type A1-8 Straight Concrete Curb Assembly	31.21	12.79
		For Up To 20, Add	*18.71*	
		For >20 To 50, Add	*10.60*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-6.86*	
32 16 13 13-0005	LF	CALTRANs Type A1-8 Radius Concrete Curb Assembly	33.53	14.70
		For Up To 20, Add	*20.29*	
		For >20 To 50, Add	*11.50*	
		For >50 To 100, Add	*4.39*	
		For >500 To 1,000, Deduct	*-4.39*	
		For >1,000, Deduct	*-7.43*	
32 16 13 13-0006	LF	CALTRANs Type A3-6 Straight Concrete Curb Assembly	15.99	8.64
		For Up To 20, Add	*9.59*	
		For >20 To 50, Add	*5.44*	
		For >50 To 100, Add	*2.08*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-3.52*	
32 16 13 13-0007	LF	CALTRANs Type A3-6 Radius Concrete Curb Assembly	18.55	9.97
		For Up To 20, Add	*11.39*	
		For >20 To 50, Add	*6.46*	
		For >50 To 100, Add	*2.46*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-4.16*	
32 16 13 13-0008	LF	CALTRANs Type A3-8 Straight Concrete Curb Assembly	17.71	8.95
		For Up To 20, Add	*10.45*	
		For >20 To 50, Add	*5.91*	
		For >50 To 100, Add	*2.27*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.84*	
32 16 13 13-0009	LF	CALTRANs Type A3-8 Radius Concrete Curb Assembly	20.39	10.74
		For Up To 20, Add	*12.32*	
		For >20 To 50, Add	*6.99*	
		For >50 To 100, Add	*2.67*	
		For >500 To 1,000, Deduct	*-2.67*	
		For >1,000, Deduct	*-4.51*	
32 16 13 13-0010	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	27.05	12.79
		For Up To 20, Add	*15.64*	
		For >20 To 50, Add	*8.84*	
		For >50 To 100, Add	*3.40*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-5.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0011	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	30.31	14.70
		For Up To 20, Add	*17.89*	
		For >20 To 50, Add	*10.13*	
		For >50 To 100, Add	*3.88*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000, Deduct	*-6.58*	
32 16 13 13-0012	LF	CALTRANs Type B1-6 Straight Concrete Curb Assembly	30.29	12.79
		For Up To 20, Add	*17.25*	
		For >20 To 50, Add	*9.74*	
		For >50 To 100, Add	*3.75*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-6.39*	
32 16 13 13-0013	LF	CALTRANs Type B1-6 Radius Concrete Curb Assembly	33.87	14.70
		For Up To 20, Add	*19.72*	
		For >20 To 50, Add	*11.15*	
		For >50 To 100, Add	*4.28*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-7.27*	
32 16 13 13-0014	LF	CALTRANs Type B3-4 Straight Concrete Curb Assembly	117.58	7.80
		For Up To 20, Add	*81.06*	
		For >20 To 50, Add	*46.28*	
		For >50 To 100, Add	*17.39*	
		For >500 To 1,000, Deduct	*-17.39*	
		For >1,000, Deduct	*-29.02*	
32 16 13 13-0015	LF	CALTRANs Type B3-4 Radius Concrete Curb Assembly	16.31	8.95
		For Up To 20, Add	*10.17*	
		For >20 To 50, Add	*5.77*	
		For >50 To 100, Add	*2.20*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-3.70*	
32 16 13 13-0016	LF	CALTRANs Type B3-6 Straight Concrete Curb Assembly	15.67	8.06
		For Up To 20, Add	*9.34*	
		For >20 To 50, Add	*5.29*	
		For >50 To 100, Add	*2.02*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-3.43*	
32 16 13 13-0017	LF	CALTRANs Type B3-6 Radius Concrete Curb Assembly	18.09	9.72
		For Up To 20, Add	*11.03*	
		For >20 To 50, Add	*6.26*	
		For >50 To 100, Add	*2.39*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-4.03*	
32 16 13 13-0018	LF	CALTRANs Type D-4 Straight Concrete Curb Assembly	30.41	12.79
		For Up To 20, Add	*16.31*	
		For >20 To 50, Add	*9.18*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.11*	
32 16 13 13-0019	LF	CALTRANs Type D-4 Radius Concrete Curb Assembly	33.67	14.70
		For Up To 20, Add	*18.56*	
		For >20 To 50, Add	*10.46*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-6.91*	
32 16 13 13-0020	LF	CALTRANs Type D-6 Straight Concrete Curb Assembly	35.22	12.79
		For Up To 20, Add	*17.27*	
		For >20 To 50, Add	*9.66*	
		For >50 To 100, Add	*3.81*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-6.59*	
32 16 13 13-0021	LF	CALTRANs Type D-6 Radius Concrete Curb Assembly	38.49	14.70
		For Up To 20, Add	*19.52*	
		For >20 To 50, Add	*10.94*	
		For >50 To 100, Add	*4.29*	
		For >500 To 1,000, Deduct	*-4.29*	
		For >1,000, Deduct	*-7.40*	

32 16 13 13-0022 CALTRANs Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0023	LF	CALTRANs Type A2-6 Straight Concrete Curb And Gutter Assembly	61.96	24.33
		For Up To 20, Add	*42.04*	
		For >20 To 50, Add	*23.46*	
		For >50 To 100, Add	*9.29*	
		For >500 To 1,000, Deduct	*-7.97*	
		For >1,000, Deduct	*-13.50*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.14*	
32 16 13 13-0024	LF	CALTRANs Type A2-6 Radius Concrete Curb And Gutter Assembly	67.08	26.90
		For Up To 20, Add	*45.63*	
		For >20 To 50, Add	*25.50*	
		For >50 To 100, Add	*10.06*	
		For >500 To 1,000, Deduct	*-8.73*	
		For >1,000, Deduct	*-14.78*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0025	LF	CALTRANs Type A2-8 Straight Concrete Curb And Gutter Assembly	66.60	24.33
		For Up To 20, Add	*45.19*	
		For >20 To 50, Add	*25.21*	
		For >50 To 100, Add	*9.99*	
		For >500 To 1,000, Deduct	*-8.56*	
		For >1,000, Deduct	*-14.51*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.45*	
32 16 13 13-0026	LF	CALTRANs Type A2-8 Radius Concrete Curb And Gutter Assembly	72.11	26.90
		For Up To 20, Add	*49.05*	
		For >20 To 50, Add	*27.42*	
		For >50 To 100, Add	*10.82*	
		For >500 To 1,000, Deduct	*-9.39*	
		For >1,000, Deduct	*-15.89*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.00*	
32 16 13 13-0027	LF	CALTRANs Type B2-4 Straight Concrete Curb And Gutter Assembly	34.11	13.96
		For Up To 20, Add	*22.62*	
		For >20 To 50, Add	*12.39*	
		For >50 To 100, Add	*5.12*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-6.64*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.46*	
32 16 13 13-0028	LF	CALTRANs Type B2-4 Radius Concrete Curb And Gutter Assembly	36.16	15.38
		For Up To 20, Add	*24.05*	
		For >20 To 50, Add	*13.21*	
		For >50 To 100, Add	*5.42*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-7.15*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.66*	
32 16 13 13-0029	LF	CALTRANs Type B2-6 Straight Concrete Curb And Gutter Assembly	40.66	15.38
		For Up To 20, Add	*27.09*	
		For >20 To 50, Add	*14.89*	
		For >50 To 100, Add	*6.10*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-8.10*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.93*	
32 16 13 13-0030	LF	CALTRANs Type B2-6 Radius Concrete Curb And Gutter Assembly	43.22	20.50
		For Up To 20, Add	*28.88*	
		For >20 To 50, Add	*15.91*	
		For >50 To 100, Add	*6.48*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000, Deduct	*-8.74*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.19*	
32 16 13 13-0031	LF	CALTRANs Type B4-6 Straight Concrete Curb And Gutter Assembly	66.49	26.77
		For Up To 20, Add	*45.25*	
		For >20 To 50, Add	*25.30*	
		For >50 To 100, Add	*9.97*	
		For >500 To 1,000, Deduct	*-8.68*	
		For >1,000, Deduct	*-14.68*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.64*	
32 16 13 13-0032	LF	CALTRANs Type B4-6 Radius Concrete Curb And Gutter Assembly	71.36	29.20
		For Up To 20, Add	*48.66*	
		For >20 To 50, Add	*27.25*	
		For >50 To 100, Add	*10.70*	
		For >500 To 1,000, Deduct	*-9.41*	
		For >1,000, Deduct	*-15.90*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.13*	
32 16 13 13-0033	LF	CALTRANs Type E Straight Concrete Curb And Gutter Assembly	70.98	28.18
		For Up To 20, Add	*48.22*	
		For >20 To 50, Add	*26.93*	
		For >50 To 100, Add	*10.65*	
		For >500 To 1,000, Deduct	*-9.19*	
		For >1,000, Deduct	*-15.55*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.83*	
32 16 13 13-0034	LF	CALTRANs Type E Radius Concrete Curb And Gutter Assembly	76.11	30.74
		For Up To 20, Add	*51.82*	
		For >20 To 50, Add	*28.98*	
		For >50 To 100, Add	*11.42*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-16.83*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.34*	

32 16 13 13-0035 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0036	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	35.15	15.38
		For Up To 20, Add	*23.78*	
		For >20 To 50, Add	*13.24*	
		For >50 To 100, Add	*5.27*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-7.55*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0037	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	38.14	20.50
		For Up To 20, Add	*25.83*	
		For >20 To 50, Add	*14.39*	
		For >50 To 100, Add	*5.72*	
		For >500 To 1,000, Deduct	*-4.85*	
		For >1,000, Deduct	*-8.23*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.47*	
32 16 13 13-0038	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	43.99	17.04
		For Up To 20, Add	*29.79*	
		For >20 To 50, Add	*16.59*	
		For >50 To 100, Add	*6.60*	
		For >500 To 1,000, Deduct	*-5.59*	
		For >1,000, Deduct	*-9.49*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.84*	
32 16 13 13-0039	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	48.41	18.96
		For Up To 20, Add	*32.83*	
		For >20 To 50, Add	*18.30*	
		For >50 To 100, Add	*7.26*	
		For >500 To 1,000, Deduct	*-6.20*	
		For >1,000, Deduct	*-10.51*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.19*	
32 16 13 13-0040	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	52.83	20.50
		For Up To 20, Add	*35.80*	
		For >20 To 50, Add	*19.95*	
		For >50 To 100, Add	*7.92*	
		For >500 To 1,000, Deduct	*-6.74*	
		For >1,000, Deduct	*-11.43*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.45*	
32 16 13 13-0041	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	58.67	23.06
		For Up To 20, Add	*39.81*	
		For >20 To 50, Add	*22.21*	
		For >50 To 100, Add	*8.80*	
		For >500 To 1,000, Deduct	*-7.54*	
		For >1,000, Deduct	*-12.78*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.92*	
32 16 13 13-0042	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	62.33	24.33
		For Up To 20, Add	*42.27*	
		For >20 To 50, Add	*23.57*	
		For >50 To 100, Add	*9.35*	
		For >500 To 1,000, Deduct	*-7.98*	
		For >1,000, Deduct	*-13.54*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.12*	
32 16 13 13-0043	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	68.31	26.90
		For Up To 20, Add	*46.37*	
		For >20 To 50, Add	*25.87*	
		For >50 To 100, Add	*10.25*	
		For >500 To 1,000, Deduct	*-8.80*	
		For >1,000, Deduct	*-14.90*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.58*	
32 16 13 13-0044	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	71.81	28.18
		For Up To 20, Add	*48.72*	
		For >20 To 50, Add	*27.18*	
		For >50 To 100, Add	*10.77*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-15.64*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.79*	
32 16 13 13-0045	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	77.95	30.74
		For Up To 20, Add	*52.92*	
		For >20 To 50, Add	*29.53*	
		For >50 To 100, Add	*11.69*	
		For >500 To 1,000, Deduct	*-10.05*	
		For >1,000, Deduct	*-17.02*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.24*	
32 16 13 13-0046	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	81.30	32.03
		For Up To 20, Add	*55.19*	
		For >20 To 50, Add	*30.80*	
		For >50 To 100, Add	*12.20*	
		For >500 To 1,000, Deduct	*-10.47*	
		For >1,000, Deduct	*-17.74*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.46*	
32 16 13 13-0047	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	90.15	35.86
		For Up To 20, Add	*61.26*	
		For >20 To 50, Add	*34.22*	
		For >50 To 100, Add	*13.52*	
		For >500 To 1,000, Deduct	*-11.68*	
		For >1,000, Deduct	*-19.78*	
		For Mountable Or Rolled Curb And Gutter, Add	*6.16*	

32 16 13 13-0048 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0049	LF	6" x 12" Cast In Place Concrete Curb	26.46	12.79
		For Mountable Curb, Add	*1.72*	
		For Up To 20, Add	*15.52*	
		For >20 To 50, Add	*8.78*	
		For >50 To 100, Add	*3.37*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-5.72*	
32 16 13 13-0050	LF	6" x 12" Cast In Place Concrete Curb - Radius	30.05	14.70
		For Mountable Curb, Add	*2.01*	
		For Up To 20, Add	*17.84*	
		For >20 To 50, Add	*10.10*	
		For >50 To 100, Add	*3.87*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000, Deduct	*-6.55*	
32 16 13 13-0051	LF	6" x 14" Cast In Place Concrete Curb	28.85	12.79
		For Mountable Curb, Add	*1.88*	
		For Up To 20, Add	*16.96*	
		For >20 To 50, Add	*9.60*	
		For >50 To 100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-6.24*	
32 16 13 13-0052	LF	6" x 14" Cast In Place Concrete Curb - Radius	32.81	14.70
		For Mountable Curb, Add	*2.21*	
		For Up To 20, Add	*19.51*	
		For >20 To 50, Add	*11.05*	
		For >50 To 100, Add	*4.23*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-7.16*	
32 16 13 13-0053	LF	6" x 16" Cast In Place Concrete Curb	31.54	12.79
		For Mountable Curb, Add	*2.03*	
		For Up To 20, Add	*18.46*	
		For >20 To 50, Add	*10.44*	
		For >50 To 100, Add	*4.01*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-6.80*	
32 16 13 13-0054	LF	6" x 16" Cast In Place Concrete Curb - Radius	35.73	19.18
		For Mountable Curb, Add	*2.40*	
		For Up To 20, Add	*21.21*	
		For >20 To 50, Add	*12.01*	
		For >50 To 100, Add	*4.60*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-7.79*	
32 16 13 13-0055	LF	6" x 18" Cast In Place Concrete Curb	33.62	12.79
		For Mountable Curb, Add	*2.16*	
		For Up To 20, Add	*19.64*	
		For >20 To 50, Add	*11.11*	
		For >50 To 100, Add	*4.27*	
		For >500 To 1,000, Deduct	*-4.27*	
		For >1,000, Deduct	*-7.24*	
32 16 13 13-0056	LF	6" x 18" Cast In Place Concrete Curb - Radius	37.76	14.70
		For Mountable Curb, Add	*2.48*	
		For Up To 20, Add	*22.25*	
		For >20 To 50, Add	*12.60*	
		For >50 To 100, Add	*4.83*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.19*	
32 16 13 13-0057	LF	6" x 24" Cast In Place Concrete Curb	38.29	14.07
		For Mountable Curb, Add	*2.30*	
		For Up To 20, Add	*21.87*	
		For >20 To 50, Add	*12.36*	
		For >50 To 100, Add	*4.76*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-8.09*	
32 16 13 13-0058	LF	6" x 24" Cast In Place Concrete Curb - Radius	42.61	15.98
		For Mountable Curb, Add	*2.61*	
		For Up To 20, Add	*24.50*	
		For >20 To 50, Add	*13.85*	
		For >50 To 100, Add	*5.33*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-9.06*	
32 16 13 13-0059	LF	12" x 24" Cast In Place Concrete Curb	48.38	15.98
		For Mountable Curb, Add	*2.29*	
		For Up To 20, Add	*25.66*	
		For >20 To 50, Add	*14.43*	
		For >50 To 100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000, Deduct	*-9.63*	
32 16 13 13-0060	LF	12" x 24" Cast In Place Concrete Curb - Radius	53.65	17.90
		For Mountable Curb, Add	*2.60*	
		For Up To 20, Add	*28.63*	
		For >20 To 50, Add	*16.11*	
		For >50 To 100, Add	*6.26*	
		For >500 To 1,000, Deduct	*-6.26*	
		For >1,000, Deduct	*-10.74*	
32 16 13 13-0061	EA	Additional Finish For Handicap Drop Section In Curb	95.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	LF	6" x 12" Straight Concrete Curb, Machine Formed	13.77	
32 16 13 14-0002	LF	6" x 12" Curved Concrete Curb, Machine Formed	18.88	
32 16 13 14-0003	LF	6" x 18" Straight Concrete Curb, Machine Formed	18.17	
32 16 13 14-0004	LF	6" x 18" Curved Concrete Curb, Machine Formed	24.22	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.94	5.85
		For Curved Section, Add	*3.98*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.77	6.65
		For Curved Section, Add	*4.47*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	26.54	7.45
		For Curved Section, Add	*5.46*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	32.51	8.39
		For Curved Section, Add	*6.37*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	39.70	9.18
		For Curved Section, Add	*7.41*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	51.88	11.71
		For Curved Section, Add	*9.56*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	59.95	15.17
		For Curved Section, Add	*11.66*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	186.23	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	24.81
		For Up To 20, Add	*11.67*
		For >20 To 50, Add	*6.50*
		For >50 To 100, Add	*2.58*
		For >500 To 1,000, Deduct	*-2.58*
		For >1,000, Deduct	*-4.49*
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	30.41
		For Up To 20, Add	*14.16*
		For >20 To 50, Add	*7.89*
		For >50 To 100, Add	*3.14*
		For >500 To 1,000, Deduct	*-3.14*
		For >1,000, Deduct	*-5.46*
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.93
		For Up To 20, Add	*16.60*
		For >20 To 50, Add	*9.24*
		For >50 To 100, Add	*3.68*
		For >500 To 1,000, Deduct	*-3.68*
		For >1,000, Deduct	*-6.42*
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	41.42
		For Up To 20, Add	*19.01*
		For >20 To 50, Add	*10.58*
		For >50 To 100, Add	*4.22*
		For >500 To 1,000, Deduct	*-4.22*
		For >1,000, Deduct	*-7.36*
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	46.93
		For Up To 20, Add	*21.45*
		For >20 To 50, Add	*11.93*
		For >50 To 100, Add	*4.76*
		For >500 To 1,000, Deduct	*-4.76*
		For >1,000, Deduct	*-8.31*
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	55.65
		For Up To 20, Add	*24.70*
		For >20 To 50, Add	*13.71*
		For >50 To 100, Add	*5.50*
		For >500 To 1,000, Deduct	*-5.50*
		For >1,000, Deduct	*-9.64*
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	64.01
		For Up To 20, Add	*27.70*
		For >20 To 50, Add	*15.34*
		For >50 To 100, Add	*6.18*
		For >500 To 1,000, Deduct	*-6.18*
		For >1,000, Deduct	*-10.87*
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	10.67
		For Up To 100, Add	*4.62*
		For >100 To 250, Add	*2.56*
		For >250 To 500, Add	*1.03*
		For >2,500 To 5,000, Deduct	*-1.03*
		For >5,000, Deduct	*-1.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	27.25	
		For Up To 20, Add	*12.52*	
		For >20 To 50, Add	*6.96*	
		For >50 To 100, Add	*2.78*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-4.84*	
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.64	
		For Up To 20, Add	*15.35*	
		For >20 To 50, Add	*8.54*	
		For >50 To 100, Add	*3.41*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-5.95*	
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	39.53	
		For Up To 20, Add	*17.83*	
		For >20 To 50, Add	*9.91*	
		For >50 To 100, Add	*3.96*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000, Deduct	*-6.93*	
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	45.62	
		For Up To 20, Add	*20.45*	
		For >20 To 50, Add	*11.36*	
		For >50 To 100, Add	*4.55*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000, Deduct	*-7.96*	
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	51.71	
		For Up To 20, Add	*23.07*	
		For >20 To 50, Add	*12.81*	
		For >50 To 100, Add	*5.13*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000, Deduct	*-8.99*	
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	61.45	
		For Up To 20, Add	*26.61*	
		For >20 To 50, Add	*14.74*	
		For >50 To 100, Add	*5.94*	
		For >500 To 1,000, Deduct	*-5.94*	
		For >1,000, Deduct	*-10.44*	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	70.83	
		For Up To 20, Add	*29.90*	
		For >20 To 50, Add	*16.52*	
		For >50 To 100, Add	*6.69*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000, Deduct	*-11.80*	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	11.80	
		For Up To 100, Add	*4.98*	
		For >100 To 250, Add	*2.75*	
		For >250 To 500, Add	*1.11*	
		For >2,500 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.97*	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	27.47	
		For Up To 20, Add	*12.93*	
		For >20 To 50, Add	*7.21*	
		For >50 To 100, Add	*2.86*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-4.98*	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.68	
		For Up To 20, Add	*15.70*	
		For >20 To 50, Add	*8.75*	
		For >50 To 100, Add	*3.48*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000, Deduct	*-6.06*	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.79	
		For Up To 20, Add	*18.40*	
		For >20 To 50, Add	*10.25*	
		For >50 To 100, Add	*4.08*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-7.11*	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.90	
		For Up To 20, Add	*21.11*	
		For >20 To 50, Add	*11.75*	
		For >50 To 100, Add	*4.68*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000, Deduct	*-8.17*	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	52.01	
		For Up To 20, Add	*23.81*	
		For >20 To 50, Add	*13.24*	
		For >50 To 100, Add	*5.28*	
		For >500 To 1,000, Deduct	*-5.28*	
		For >1,000, Deduct	*-9.22*	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	61.67	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	70.93	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	11.82	
		For Up To 100, Add	*5.12*	
		For >100 To 250, Add	*2.84*	
		For >250 To 500, Add	*1.14*	
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-2.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001	LF	6" x 18" Precast Concrete Curb	46.83	11.29
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb, Radius	55.82	12.98
32 16 13 23-0003	LF	6" x 20" Precast Concrete Curb	49.60	11.29
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb, Radius	59.49	12.98
32 16 13 23-0005	LF	7" x 18" Precast Concrete Curb	50.87	11.29
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb, Radius	60.95	12.98
32 16 13 23-0007	LF	7" x 20" Precast Concrete Curb	54.01	11.29
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb, Radius	64.93	12.98

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	14.25	5.98
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	16.02	6.65
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	17.66	7.32

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	42.26	

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	10.19
		For Up To 100, Add	*4.41*
		For >100 To 500, Add	*1.25*
		For >2,000 To 5,000, Deduct	*-0.56*
		For >5,000 To 10,000, Deduct	*-1.25*
		For >10,000 To 20,000, Deduct	*-1.69*
		For >20,000, Deduct	*-2.14*
		For 3,500 PSI Concrete, Add	*0.13*
		For 4,000 PSI Concrete, Add	*0.22*
		For 4,500 PSI Concrete, Add	*0.26*
		For Welded Wire Reinforcement, Add	*0.91*
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	11.07
		For Up To 100, Add	*4.70*
		For >100 To 500, Add	*1.33*
		For >2,000 To 5,000, Deduct	*-0.58*
		For >5,000 To 10,000, Deduct	*-1.33*
		For >10,000 To 20,000, Deduct	*-1.80*
		For >20,000, Deduct	*-2.27*
		For 3,500 PSI Concrete, Add	*0.15*
		For 4,000 PSI Concrete, Add	*0.27*
		For 4,500 PSI Concrete, Add	*0.31*
		For Welded Wire Reinforcement, Add	*0.91*
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.96
		For Up To 100, Add	*4.99*
		For >100 To 500, Add	*1.40*
		For >2,000 To 5,000, Deduct	*-0.60*
		For >5,000 To 10,000, Deduct	*-1.40*
		For >10,000 To 20,000, Deduct	*-1.90*
		For >20,000, Deduct	*-2.39*
		For 3,500 PSI Concrete, Add	*0.18*
		For 4,000 PSI Concrete, Add	*0.32*
		For 4,500 PSI Concrete, Add	*0.37*
		For Welded Wire Reinforcement, Add	*0.91*
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	13.90
		For Up To 100, Add	*5.74*
		For >100 To 500, Add	*1.60*
		For >2,000 To 5,000, Deduct	*-0.68*
		For >5,000 To 10,000, Deduct	*-1.60*
		For >10,000 To 20,000, Deduct	*-2.18*
		For >20,000, Deduct	*-2.75*
		For 3,500 PSI Concrete, Add	*0.22*
		For 4,000 PSI Concrete, Add	*0.39*
		For 4,500 PSI Concrete, Add	*0.45*
		For Welded Wire Reinforcement, Add	*0.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	14.67	
		For Up To 100, Add	*5.97*	
		For >100 To 500, Add	*1.66*	
		For >2,000 To 5,000, Deduct	*-0.69*	
		For >5,000 To 10,000, Deduct	*-1.66*	
		For >10,000 To 20,000, Deduct	*-2.25*	
		For >20,000, Deduct	*-2.85*	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For Welded Wire Reinforcement, Add	*0.91*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.89	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	173.04	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.89	

32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	9.92	
		For Up To 100, Add	*3.80*	
		For >100 To 500, Add	*1.03*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.03*	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	12.42	
		For Up To 100, Add	*4.69*	
		For >100 To 500, Add	*1.26*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.26*	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	17.11	
		For Up To 100, Add	*6.25*	
		For >100 To 500, Add	*1.64*	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.64*	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	21.38	
		For Up To 100, Add	*7.79*	
		For >100 To 500, Add	*2.05*	
		For >1,000 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-2.05*	
32 16 23 00-0015	SY	3" Bituminous Sidewalk	24.52	
		For Up To 100, Add	*8.78*	
		For >100 To 500, Add	*2.28*	
		For >1,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-2.28*	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	28.25	
		For Up To 100, Add	*9.97*	
		For >100 To 500, Add	*2.58*	
		For >1,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-2.58*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.37	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	10.05	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	10.05	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	14.31	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	16.94	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.99	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.40	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	16.08	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.37	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.99	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	16.08	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.40	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.83	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	220.92	7.99
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	250.55	7.99

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	77.99	24.07
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	89.07	24.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	92.72	24.07
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	97.12	24.07
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	90.58	24.07
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	114.84	24.07
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	38.51	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	25.03	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	33.92	7.99
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	39.48	7.99
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	41.70	7.99
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	45.04	7.99

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.93	1.92
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	14.15	1.92

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	37.40	2.12
32 17 16 00-0003	LF	3-1/2" High x 12" Wide, Asphalt Speed Bump Note: Excludes striping.	57.98	
32 17 16 00-0004	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	33.40	1.41
32 17 16 00-0005	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	158.11	1.41

32 17 16 00-0006 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0007	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	73.90	
32 17 16 00-0008	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	64.54	
32 17 16 00-0009	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	60.55	
32 17 16 00-0010	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	70.69	
32 17 16 00-0011	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	62.14	
32 17 16 00-0012	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	58.62	
32 17 16 00-0013	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	67.51	
32 17 16 00-0014	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	60.26	
32 17 16 00-0015	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	56.99	

32 17 16 00-0016 Asphalt Speed Table *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0017	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	40.94	
32 17 16 00-0018	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	48.23	
32 17 16 00-0019	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	51.41	
32 17 16 00-0020	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	60.61	
32 17 16 00-0021	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	63.16	
32 17 16 00-0022	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	70.46	

32 17 16 00-0023 Concrete Speed Table *(32 17 16)*

32 17 16 00-0024	SF	Concrete Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	15.96	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23		**Pavement Markings** *(32 17)*		
		See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13		**Painted Pavement Markings** *(32 17 23)*		
32 17 23 13-0001		Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*		
		Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002		Painted Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*		
		Note: 15 mil thickness.		
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.63	
		For 20 Mil Thickness, Add	*0.13*	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line, Deduct	*-0.27*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.88	
		For 20 Mil Thickness, Add	*0.20*	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line, Deduct	*-0.41*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.06	
		For 20 Mil Thickness, Add	*0.23*	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Broken Line, Deduct	*-0.48*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.59	
		For 20 Mil Thickness, Add	*0.38*	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
		For Broken Line, Deduct	*-0.79*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.97	
		For 20 Mil Thickness, Add	*0.25*	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line On One Side, Deduct	*-0.26*	
		For Double Broken Line, Deduct	*-0.53*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.40	
		For 20 Mil Thickness, Add	*0.37*	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line On One Side, Deduct	*-0.40*	
		For Double Broken Line, Deduct	*-0.80*	
32 17 23 13-0009	SF	Solid Area, Epoxy Reflective Pavement Marking	8.99	
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
		For 20 Mil Thickness, Add	*1.01*	
32 17 23 13-0010	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	5.59	
		For 20 Mil Thickness, Add	*0.51*	
		For <10, Add	*0.72*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 200, Deduct	*-0.48*	
		For >200, Deduct	*-0.96*	
32 17 23 13-0011	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	10.11	
		For 20 Mil Thickness, Add	*1.32*	
		For <10, Add	*1.08*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 200, Deduct	*-0.72*	
		For >200, Deduct	*-1.45*	
32 17 23 13-0012	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	17.06	
		For 20 Mil Thickness, Add	*2.28*	
		For <10, Add	*1.80*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.20*	
		For >200, Deduct	*-2.40*	
32 17 23 13-0013	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	32.90	
		For 20 Mil Thickness, Add	*4.16*	
		For <10, Add	*3.61*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-4.81*	
32 17 23 13-0014	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	38.47	
		For 20 Mil Thickness, Add	*5.18*	
		For <10, Add	*4.04*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-5.39*	
32 17 23 13-0015	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	69.00	
		For 20 Mil Thickness, Add	*9.41*	
		For <10, Add	*7.20*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 200, Deduct	*-4.80*	
		For >200, Deduct	*-9.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0016	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	92.11	
		For 20 Mil Thickness, Add	*12.45*	
		For <10, Add	*9.66*	
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 200, Deduct	*-6.44*	
		For >200, Deduct	*-12.89*	
32 17 23 13-0017	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	141.62	
		For 20 Mil Thickness, Add	*24.58*	
		For <10, Add	*11.98*	
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 200, Deduct	*-7.98*	
		For >200, Deduct	*-15.97*	
32 17 23 13-0018	SF	Letter/Number, Epoxy Reflective Pavement Marking	9.22	
		For 20 Mil Thickness, Add	*1.02*	
32 17 23 13-0019	SF	Symbols, Epoxy Reflective Pavement Marking	11.67	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 20 Mil Thickness, Add	*1.15*	

32 17 23 13-0020 Painted Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0021	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0022	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.53	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.14*	
32 17 23 13-0023	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.65	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.17*	
32 17 23 13-0024	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line, Deduct	*-0.26*	
32 17 23 13-0025	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0026	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.90	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.27*	
32 17 23 13-0027	SF	Solid Area, Painted Reflective Pavement Striping	7.35	
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028	EA	6" High, Letter/Number, Painted Reflective Pavement Striping	5.31	
		For <10, Add	*0.72*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 200, Deduct	*-0.48*	
		For >200, Deduct	*-0.96*	
32 17 23 13-0029	EA	12" High, Letter/Number, Painted Reflective Pavement Striping	9.10	
		For <10, Add	*1.08*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 200, Deduct	*-0.72*	
		For >200, Deduct	*-1.45*	
32 17 23 13-0030	EA	24" High, Letter/Number, Painted Reflective Pavement Striping	15.30	
		For <10, Add	*1.80*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.20*	
		For >200, Deduct	*-2.40*	
32 17 23 13-0031	EA	36" High, Letter/Number, Painted Reflective Pavement Striping	29.80	
		For <10, Add	*3.61*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-4.81*	
32 17 23 13-0032	EA	48" High, Letter/Number, Painted Reflective Pavement Striping	34.45	
		For <10, Add	*4.04*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-5.39*	
32 17 23 13-0033	EA	72" High, Letter/Number, Painted Reflective Pavement Striping	61.65	
		For <10, Add	*7.20*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 200, Deduct	*-4.80*	
		For >200, Deduct	*-9.59*	
32 17 23 13-0034	EA	96" High, Letter/Number, Painted Reflective Pavement Striping	82.42	
		For <10, Add	*9.66*	
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 200, Deduct	*-6.44*	
		For >200, Deduct	*-12.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0035	EA	120" High, Letter/Number, Painted Reflective Pavement Striping	120.00	
		For <10, Add	*11.98*	
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 200, Deduct	*-7.98*	
		For >200, Deduct	*-15.97*	
32 17 23 13-0036	SF	Letter/Number, Painted Reflective Pavement Marking	8.53	
32 17 23 13-0037	SF	Symbols, Painted Reflective Pavement Marking	10.17	
		Note: Handicap, railroad, diamond, arrows, etc.		

32 17 23 13-0038 Painted and/or Raised Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0001)*

Note: 20 to 25 mil thickness, per LF of detail for painted.

32 17 23 13-0039	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0040	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0041	LF	CALTRANS Detail 4 Centerline	1.14	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0042	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0043	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0044	LF	CALTRANS Detail 7 Centerline	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0045	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0046	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0047	LF	CALTRANS Detail 10 Lanelines	1.14	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0048	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0049	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.49	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0050	LF	CALTRANS Detail 13 Lanelines	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0051	LF	CALTRANS Detail 14 Lanelines	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0052	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.49	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0053	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0054	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.22	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0055	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.29	
		For Up To 5,000 LF, Add	*0.66*	
		For >25,000 LF, Deduct	*-0.49*	
32 17 23 13-0056	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0057	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0058	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
32 17 23 13-0059	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.55	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.11*	
		For Double Broken Line, Deduct	*-0.21*	
32 17 23 13-0060	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.32	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0061	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.90	
		For Up To 5,000 LF, Add	*0.78*	
		For >25,000 LF, Deduct	*-0.59*	
32 17 23 13-0062	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0063	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0064	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0065	LF	CALTRANS Detail 26 Left Edgelines	0.19	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0066	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.74	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
32 17 23 13-0067	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0068	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.30	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0069	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	1.10	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
		For Broken Line On One Side, Deduct	*-0.21*	
		For Double Broken Line, Deduct	*-0.42*	
32 17 23 13-0070	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.87	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0071	LF	CALTRANS Detail 30 Median Islands	7.82	
		For Up To 5,000 LF, Add	*1.56*	
		For >25,000 LF, Deduct	*-1.17*	
32 17 23 13-0072	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.13*	
		For Double Broken Line, Deduct	*-0.26*	
32 17 23 13-0073	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.85	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0074	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.36	
		For Up To 5,000 LF, Add	*1.07*	
		For >25,000 LF, Deduct	*-0.80*	
32 17 23 13-0075	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0076	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0077	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.23	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0078	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0079	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	2.09	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.31*	
32 17 23 13-0080	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.32	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.20*	
32 17 23 13-0081	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.44	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0082	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.24	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
32 17 23 13-0083	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.62	
		For Up To 5,000 LF, Add	*0.52*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0084	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.24	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
32 17 23 13-0085	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.62	
		For Up To 5,000 LF, Add	*0.52*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0086	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.20	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0087	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.83	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0088	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.60	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
32 17 23 13-0089	LF	CALTRANS Detail 38C Channelizing Line	3.90	
		For Up To 5,000 LF, Add	*0.78*	
		For >25,000 LF, Deduct	*-0.59*	
32 17 23 13-0090	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.52	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0091	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0092	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0093	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.89	
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0094	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0095	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.89	
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0096	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	135.75	
		For <10, Add	*17.51*	
		For >50 To 100, Deduct	*-8.75*	
		For >100 To 200, Deduct	*-11.67*	
		For >200, Deduct	*-23.34*	
32 17 23 13-0097	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	238.24	
		For <10, Add	*30.64*	
		For >50 To 100, Deduct	*-15.32*	
		For >100 To 200, Deduct	*-20.43*	
		For >200, Deduct	*-40.85*	
32 17 23 13-0098	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	298.91	
		For <10, Add	*38.52*	
		For >50 To 100, Deduct	*-19.26*	
		For >100 To 200, Deduct	*-25.68*	
		For >200, Deduct	*-51.35*	
32 17 23 13-0099	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	434.67	
		For <10, Add	*56.03*	
		For >50 To 100, Deduct	*-28.01*	
		For >100 To 200, Deduct	*-37.35*	
		For >200, Deduct	*-74.70*	
32 17 23 13-0100	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	570.42	
		For <10, Add	*73.53*	
		For >50 To 100, Deduct	*-36.77*	
		For >100 To 200, Deduct	*-49.02*	
		For >200, Deduct	*-98.04*	
32 17 23 13-0101	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	401.40	
		For <10, Add	*51.65*	
		For >50 To 100, Deduct	*-25.82*	
		For >100 To 200, Deduct	*-34.43*	
		For >200, Deduct	*-68.86*	
32 17 23 13-0102	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	700.33	
		For <10, Add	*90.17*	
		For >50 To 100, Deduct	*-45.08*	
		For >100 To 200, Deduct	*-60.11*	
		For >200, Deduct	*-120.22*	
32 17 23 13-0103	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	142.94	
		For <10, Add	*18.38*	
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 200, Deduct	*-12.26*	
		For >200, Deduct	*-24.51*	
32 17 23 13-0104	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	313.31	
		For <10, Add	*40.27*	
		For >50 To 100, Deduct	*-20.13*	
		For >100 To 200, Deduct	*-26.85*	
		For >200, Deduct	*-53.69*	
32 17 23 13-0105	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	401.40	
		For <10, Add	*51.65*	
		For >50 To 100, Deduct	*-25.82*	
		For >100 To 200, Deduct	*-34.43*	
		For >200, Deduct	*-68.86*	
32 17 23 13-0106	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	258.77	
		For <10, Add	*33.27*	
		For >50 To 100, Deduct	*-16.63*	
		For >100 To 200, Deduct	*-22.18*	
		For >200, Deduct	*-44.35*	
32 17 23 13-0107	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	340.73	
		For <10, Add	*43.77*	
		For >50 To 100, Deduct	*-21.88*	
		For >100 To 200, Deduct	*-29.18*	
		For >200, Deduct	*-58.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0108	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	67.88	
		For <10, Add	*8.75*	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 200, Deduct	*-5.84*	
		For >200, Deduct	*-11.67*	
32 17 23 13-0109	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking	649.56	
		Note: Excludes variable width transverse lines.		
		For <10, Add	*83.16*	
		For >50 To 100, Deduct	*-41.58*	
		For >100 To 200, Deduct	*-55.44*	
		For >200, Deduct	*-110.88*	
32 17 23 13-0110	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	8.48	
32 17 23 13-0111	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking	63.71	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	*6.30*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-8.40*	
32 17 23 13-0112	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking	67.45	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	*6.65*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-4.44*	
		For >200, Deduct	*-8.87*	
32 17 23 13-0113	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	108.32	
		For <10, Add	*14.01*	
		For >50 To 100, Deduct	*-7.00*	
		For >100 To 200, Deduct	*-9.34*	
		For >200, Deduct	*-18.67*	
32 17 23 13-0114	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	220.35	
		For <10, Add	*28.36*	
		For >50 To 100, Deduct	*-14.18*	
		For >100 To 200, Deduct	*-18.91*	
		For >200, Deduct	*-37.82*	
32 17 23 13-0115	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking	46.94	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	*6.65*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-4.44*	
		For >200, Deduct	*-8.87*	
32 17 23 13-0116	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.59	
32 17 23 13-0117	SF	CALTRANS Symbols, Painted Reflective Pavement Marking	9.53	
		Note: Handicap, railroad, diamond, arrows, etc.		

32 17 23 13-0118 Painted Thermoplastic Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 40 mil thickness.

32 17 23 13-0119	LF	Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.00	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For 30 mils Thick, Deduct	*-0.18*	
		For 45 mils Thick, Add	*0.09*	
		For Broken Line, Deduct	*-0.55*	
		For Enhanced Wet-Night Visibility, Add	*0.06*	
32 17 23 13-0120	LF	Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.39	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
		For 30 mils Thick, Deduct	*-0.27*	
		For 45 mils Thick, Add	*0.13*	
		For Broken Line, Deduct	*-0.80*	
		For Enhanced Wet-Night Visibility, Add	*0.09*	
32 17 23 13-0121	LF	Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	1.88	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.28*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.18*	
		For Broken Line, Deduct	*-1.10*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0122	LF	Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	2.72	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.54*	
		For >25,000 LF, Deduct	*-0.41*	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Broken Line, Deduct	*-1.64*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0123	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.82	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.18*	
		For Broken Line On One Side, Deduct	*-0.55*	
		For Double Broken Line, Deduct	*-1.10*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0124	LF	Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.72	
		For Up To 5,000 LF, Add	*0.54*	
		For >25,000 LF, Deduct	*-0.41*	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Broken Line On One Side, Deduct	*-0.82*	
		For Double Broken Line, Deduct	*-1.64*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	
32 17 23 13-0125	SF	Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	9.18	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	
32 17 23 13-0126	EA	6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	6.04	
		For Up To 10, Add	*0.72*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 200, Deduct	*-0.48*	
		For >200, Deduct	*-0.96*	
		For 30 mils Thick, Deduct	*-0.31*	
		For 45 mils Thick, Add	*0.16*	
		For Enhanced Wet-Night Visibility, Add	*0.10*	
32 17 23 13-0127	EA	12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	11.74	
		For Up To 10, Add	*1.08*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 200, Deduct	*-0.72*	
		For >200, Deduct	*-1.45*	
		For 30 mils Thick, Deduct	*-1.13*	
		For 45 mils Thick, Add	*0.56*	
		For Enhanced Wet-Night Visibility, Add	*0.37*	
32 17 23 13-0128	EA	24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	19.91	
		For Up To 10, Add	*1.80*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.20*	
		For >200, Deduct	*-2.40*	
		For 30 mils Thick, Deduct	*-1.97*	
		For 45 mils Thick, Add	*0.99*	
		For Enhanced Wet-Night Visibility, Add	*0.65*	
32 17 23 13-0129	EA	36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	37.91	
		For Up To 10, Add	*3.61*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-4.81*	
		For 30 mils Thick, Deduct	*-3.47*	
		For 45 mils Thick, Add	*1.73*	
		For Enhanced Wet-Night Visibility, Add	*1.14*	
32 17 23 13-0130	EA	48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	44.99	
		For Up To 10, Add	*4.04*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-5.39*	
		For 30 mils Thick, Deduct	*-4.51*	
		For 45 mils Thick, Add	*2.25*	
		For Enhanced Wet-Night Visibility, Add	*1.49*	
32 17 23 13-0131	EA	72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	80.90	
		For Up To 10, Add	*7.20*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 200, Deduct	*-4.80*	
		For >200, Deduct	*-9.59*	
		For 30 mils Thick, Deduct	*-8.23*	
		For 45 mils Thick, Add	*4.12*	
		For Enhanced Wet-Night Visibility, Add	*2.72*	
32 17 23 13-0132	EA	96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	107.76	
		For Up To 10, Add	*9.66*	
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 200, Deduct	*-6.44*	
		For >200, Deduct	*-12.89*	
		For 30 mils Thick, Deduct	*-10.83*	
		For 45 mils Thick, Add	*5.42*	
		For Enhanced Wet-Night Visibility, Add	*3.57*	
32 17 23 13-0133	EA	120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	176.56	
		For Up To 10, Add	*11.98*	
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 200, Deduct	*-7.98*	
		For >200, Deduct	*-15.97*	
		For 30 mils Thick, Deduct	*-24.18*	
		For 45 mils Thick, Add	*12.09*	
		For Enhanced Wet-Night Visibility, Add	*7.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0134	SF	Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	10.35	
		For 30 mils Thick, Deduct	*-0.78*	
		For 45 mils Thick, Add	*0.39*	
		For Enhanced Wet-Night Visibility, Add	*0.26*	
32 17 23 13-0135	SF	Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	12.80	
		For 30 mils Thick, Deduct	*-0.78*	
		For 45 mils Thick, Add	*0.39*	
		For Enhanced Wet-Night Visibility, Add	*0.26*	

32 17 23 13-0136 Painted Thermoplastic Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0001)*

Note: 40 mil thickness.

32 17 23 13-0137	LF	CALTRANS Detail 1 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.42	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0138	LF	CALTRANS Detail 2 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.61	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0139	LF	CALTRANS Detail 5 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0140	LF	CALTRANS Detail 6 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0141	LF	CALTRANS Detail 8 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.42	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0142	LF	CALTRANS Detail 9 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.61	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0143	LF	CALTRANS Detail 11 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0144	LF	CALTRANS Detail 12 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0145	LF	CALTRANS Detail 14A Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0146	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.94	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.25*	
		For Double Broken Line, Deduct	*-0.50*	
32 17 23 13-0147	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.71	
		For Up To 5,000 LF, Add	*0.34*	
		For >25,000 LF, Deduct	*-0.26*	
32 17 23 13-0148	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.92	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.24*	
		For Double Broken Line, Deduct	*-0.49*	
32 17 23 13-0149	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.49	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0150	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.31	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.20*	
		For Broken Line On One Side, Deduct	*-0.39*	
		For Double Broken Line, Deduct	*-0.78*	
32 17 23 13-0151	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	2.08	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.31*	
32 17 23 13-0152	LF	CALTRANS Detail 24 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0153	LF	CALTRANS Detail 25 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.98	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0154	LF	CALTRANS Detail 25A Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	1.17	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0155	LF	CALTRANS Detail 27 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	1.50	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.23*	
32 17 23 13-0156	LF	CALTRANS Detail 27B Right Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0157	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.37	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0158	LF	CALTRANS Detail 28 Median Islands, Painted Thermoplastic Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.13*	
		For Double Broken Line, Deduct	*-0.26*	
32 17 23 13-0159	LF	CALTRANS Detail 29 Median Islands, Painted Thermoplastic Reflective Pavement Striping	3.39	
		For Up To 5,000 LF, Add	*0.68*	
		For >25,000 LF, Deduct	*-0.51*	
32 17 23 13-0160	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	1.84	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.28*	
		For Broken Line On One Side, Deduct	*-0.49*	
		For Double Broken Line, Deduct	*-0.98*	
32 17 23 13-0161	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	2.80	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
32 17 23 13-0162	LF	CALTRANS Detail 34 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	1.49	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0163	LF	CALTRANS Detail 35 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	1.74	
		For Up To 5,000 LF, Add	*0.35*	
		For >25,000 LF, Deduct	*-0.26*	
32 17 23 13-0164	LF	CALTRANS Detail 35A Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	0.94	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
32 17 23 13-0165	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Thermoplastic Reflective Pavement Striping	3.61	
		For Up To 5,000 LF, Add	*0.72*	
		For >25,000 LF, Deduct	*-0.54*	
32 17 23 13-0166	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Thermoplastic Reflective Pavement Striping	2.08	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.31*	
32 17 23 13-0167	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Thermoplastic Reflective Pavement Striping	2.59	
		For Up To 5,000 LF, Add	*0.52*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0168	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Thermoplastic Reflective Pavement Striping	1.39	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
32 17 23 13-0169	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Thermoplastic Reflective Pavement Striping	1.39	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
32 17 23 13-0170	LF	CALTRANS Detail 38 Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.96	
		For Up To 5,000 LF, Add	*0.39*	
		For >25,000 LF, Deduct	*-0.29*	
32 17 23 13-0171	LF	CALTRANS Detail 38A Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.59	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
32 17 23 13-0172	LF	CALTRANS Detail 38B Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	2.36	
		For Up To 5,000 LF, Add	*0.47*	
		For >25,000 LF, Deduct	*-0.35*	
32 17 23 13-0173	LF	CALTRANS Detail 39 Bike Lane Line, Painted Thermoplastic Reflective Pavement Striping	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0174	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Thermoplastic Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0175	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0176	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0177	EA	CALTRANS 10' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	151.74	
		For <10, Add	*17.51*	
		For >50 To 100, Deduct	*-8.75*	
		For >100 To 200, Deduct	*-11.67*	
		For >200, Deduct	*-23.34*	
32 17 23 13-0178	EA	CALTRANS 18' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	266.80	
		For <10, Add	*30.64*	
		For >50 To 100, Deduct	*-15.32*	
		For >100 To 200, Deduct	*-20.43*	
		For >200, Deduct	*-40.85*	
32 17 23 13-0179	EA	CALTRANS 24' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	334.31	
		For <10, Add	*38.52*	
		For >50 To 100, Deduct	*-19.26*	
		For >100 To 200, Deduct	*-25.68*	
		For >200, Deduct	*-51.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0180	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Thermoplastic Reflective Pavement Marking	486.06	
		For <10, Add	*56.03*	
		For >50 To 100, Deduct	*-28.01*	
		For >100 To 200, Deduct	*-37.35*	
		For >200, Deduct	*-74.70*	
32 17 23 13-0181	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Thermoplastic Reflective Pavement Marking	588.70	
		For <10, Add	*73.53*	
		For >50 To 100, Deduct	*-36.77*	
		For >100 To 200, Deduct	*-49.02*	
		For >200, Deduct	*-98.04*	
32 17 23 13-0182	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Thermoplastic Reflective Pavement Marking	449.37	
		For <10, Add	*51.65*	
		For >50 To 100, Deduct	*-25.82*	
		For >100 To 200, Deduct	*-34.43*	
		For >200, Deduct	*-68.86*	
32 17 23 13-0183	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Thermoplastic Reflective Pavement Marking	783.70	
		For <10, Add	*90.17*	
		For >50 To 100, Deduct	*-45.08*	
		For >100 To 200, Deduct	*-60.11*	
		For >200, Deduct	*-120.22*	
32 17 23 13-0184	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Thermoplastic Reflective Pavement Marking	160.07	
		For <10, Add	*18.38*	
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 200, Deduct	*-12.26*	
		For >200, Deduct	*-24.51*	
32 17 23 13-0185	EA	CALTRANS 24' Arrow, Type V, Painted Thermoplastic Reflective Pavement Marking	351.00	
		For <10, Add	*40.27*	
		For >50 To 100, Deduct	*-20.13*	
		For >100 To 200, Deduct	*-26.85*	
		For >200, Deduct	*-53.69*	
32 17 23 13-0186	EA	CALTRANS 18' Arrow, Type VI, Painted Thermoplastic Reflective Pavement Marking	449.37	
		For <10, Add	*51.65*	
		For >50 To 100, Deduct	*-25.82*	
		For >100 To 200, Deduct	*-34.43*	
		For >200, Deduct	*-68.86*	
32 17 23 13-0187	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Thermoplastic Reflective Pavement Marking	290.75	
		For <10, Add	*33.27*	
		For >50 To 100, Deduct	*-16.63*	
		For >100 To 200, Deduct	*-22.18*	
		For >200, Deduct	*-44.35*	
32 17 23 13-0188	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Thermoplastic Reflective Pavement Marking	381.84	
		For <10, Add	*43.77*	
		For >50 To 100, Deduct	*-21.88*	
		For >100 To 200, Deduct	*-29.18*	
		For >200, Deduct	*-58.36*	
32 17 23 13-0189	EA	CALTRANS 5' Arrow, Bike Lane, Painted Thermoplastic Reflective Pavement Marking	75.87	
		For <10, Add	*8.75*	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 200, Deduct	*-5.84*	
		For >200, Deduct	*-11.67*	
32 17 23 13-0190	EA	CALTRANS Railroad Crossing Symbol, Painted Thermoplastic Reflective Pavement Marking Note: Excludes variable width transverse lines.	729.51	
		For <10, Add	*83.16*	
		For >50 To 100, Deduct	*-41.58*	
		For >100 To 200, Deduct	*-55.44*	
		For >200, Deduct	*-110.88*	
32 17 23 13-0191	SF	CALTRANS Solid Area, Painted Thermoplastic Reflective Pavement Marking	9.62	
32 17 23 13-0192	EA	CALTRANS Bike Lane Symbol Without Person, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	71.71	
		For <10, Add	*6.30*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-8.40*	
32 17 23 13-0193	EA	CALTRANS Bike Lane Symbol With Person, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	75.44	
		For <10, Add	*6.65*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-4.44*	
		For >200, Deduct	*-8.87*	
32 17 23 13-0194	EA	CALTRANS Diamond Symbol, Painted Thermoplastic Reflective Pavement Marking	120.89	
		For <10, Add	*14.01*	
		For >50 To 100, Deduct	*-7.00*	
		For >100 To 200, Deduct	*-9.34*	
		For >200, Deduct	*-18.67*	
32 17 23 13-0195	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Thermoplastic Reflective Pavement Marking	246.61	
		For <10, Add	*28.36*	
		For >50 To 100, Deduct	*-14.18*	
		For >100 To 200, Deduct	*-18.91*	
		For >200, Deduct	*-37.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0196	EA	CALTRANS Bike Loop Detector Symbol, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	49.23	
		For <10, Add	*6.65*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-4.44*	
		For >200, Deduct	*-8.87*	
32 17 23 13-0197	SF	CALTRANS Letter/Number, Painted Thermoplastic Reflective Pavement Marking	9.73	
32 17 23 13-0198	SF	CALTRANS Symbols, Painted Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	10.67	

32 17 23 13-0199 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0200 Painted Pavement Marking For Parking Areas *(32 17 23 13-0199)*

Note: 15 mil thickness.

32 17 23 13-0201	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.41	
32 17 23 13-0202	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.55	
32 17 23 13-0203	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.66	
32 17 23 13-0204	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.88	
32 17 23 13-0205	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	7.30	
32 17 23 13-0206	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	5.15	
		For Up To 10, Add	*0.70*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 200, Deduct	*-0.47*	
		For >200, Deduct	*-0.93*	
32 17 23 13-0207	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	8.79	
		For Up To 10, Add	*1.05*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 200, Deduct	*-0.70*	
		For >200, Deduct	*-1.40*	
32 17 23 13-0208	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	14.81	
		For Up To 10, Add	*1.75*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 200, Deduct	*-1.17*	
		For >200, Deduct	*-2.34*	
32 17 23 13-0209	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	27.68	
		For Up To 10, Add	*3.33*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 200, Deduct	*-2.22*	
		For >200, Deduct	*-4.43*	
32 17 23 13-0210	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	36.68	
		For Up To 10, Add	*4.55*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-6.07*	
32 17 23 13-0211	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	44.51	
		For Up To 10, Add	*5.60*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-7.47*	
32 17 23 13-0212	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	59.77	
		For Up To 10, Add	*7.00*	
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 200, Deduct	*-4.67*	
		For >200, Deduct	*-9.34*	
32 17 23 13-0213	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	107.79	
32 17 23 13-0214	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	123.89	
32 17 23 13-0215	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	177.87	
32 17 23 13-0216	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	181.58	
32 17 23 13-0217	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	238.43	
32 17 23 13-0218	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	43.52	
		For Blue Background With White Symbol, Add	*33.05*	
		For Blue Background With White Symbol And Border, Add	*41.32*	
32 17 23 13-0219	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	64.53	
		For Blue Background With White Symbol, Add	*68.50*	
		For Blue Background With White Symbol And Border, Add	*85.63*	

32 17 23 13-0220 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0221	LF	Reflective Painted Curb	4.36	
32 17 23 13-0222	LF	Reflective Painted Curb And Gutter	8.38	
32 17 23 13-0223	LF	Painted Curb	3.55	
32 17 23 13-0224	LF	Painted Curb And Gutter	7.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0225		Markings For Outdoor Play Areas, Courts *(32 17 23 13)*		
32 17 23 13-0226	LF	2" Wide Marking For Outdoor Play Areas	1.14	
32 17 23 13-0227	LF	3" Wide Marking For Outdoor Play Areas	1.29	
32 17 23 13-0228	LF	4" Wide Marking For Outdoor Play Areas	1.46	
32 17 23 13-0229	LF	6" Wide Marking For Outdoor Play Areas	1.72	
32 17 23 13-0230	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.)	396.65	
32 17 23 23		**Raised Pavement Markings** *(32 17 23)*		
32 17 23 23-0001		Raised Pavement Markers (RPMs) *(32 17 23 23)*		
		Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM)	8.57	2.93
		Note: Type G, H or R		
		For >100, Deduct	*-0.86*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	9.11	2.93
		Note: Type B, C, D, AC, RA or RR		
		For >100, Deduct	*-0.91*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	11.31	2.93
		For >100, Deduct	*-1.13*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	7.88	2.93
		Note: Type A or AY		
		For >100, Deduct	*-0.79*	
32 17 23 23-0006		Snowplowable Pavement Markers *(32 17 23 23)*		
32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail	85.23	36.19
		Note: Type G, H or R		
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	85.70	36.19
		Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	24.94	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	31.44	
32 17 23 33		**Plastic Pavement Markings** *(32 17 23)*		
32 17 23 33-0001		Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*		
		Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*		
		Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.06	
		For Up To 5,000 LF, Add	*0.41*	
		For >25,000 LF, Deduct	*-0.31*	
		For Enhanced Wet-Night Visibility, Add	*0.08*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
		For Broken Line, Deduct	*-1.28*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.00	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.60*	
		For >25,000 LF, Deduct	*-0.45*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
		For Broken Line, Deduct	*-1.92*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.97	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.79*	
		For >25,000 LF, Deduct	*-0.60*	
		For Enhanced Wet-Night Visibility, Add	*0.16*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line, Deduct	*-2.56*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	5.84	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*1.17*	
		For >25,000 LF, Deduct	*-0.88*	
		For Enhanced Wet-Night Visibility, Add	*0.24*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line, Deduct	*-3.83*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.95	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.79*	
		For >25,000 LF, Deduct	*-0.59*	
		For Enhanced Wet-Night Visibility, Add	*0.16*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line On One Side, Deduct	*-1.28*	
		For Double Broken Line, Deduct	*-2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	5.84	
		For Up To 5,000 LF, Add	*1.17*	
		For >25,000 LF, Deduct	*-0.88*	
		For Enhanced Wet-Night Visibility, Add	*0.24*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line On One Side, Deduct	*-1.92*	
		For Double Broken Line, Deduct	*-3.83*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	12.09	
		For Enhanced Wet-Night Visibility, Add	*0.24*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	7.66	
		For Up To 10, Add	*0.79*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 200, Deduct	*-0.53*	
		For >200, Deduct	*-1.05*	
		For Enhanced Wet-Night Visibility, Add	*0.11*	
		For 60 mils Thick, Deduct	*-0.42*	
		For 125 mils Thick, Add	*0.54*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	16.64	
		For Up To 10, Add	*1.19*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 200, Deduct	*-0.79*	
		For >200, Deduct	*-1.59*	
		For Enhanced Wet-Night Visibility, Add	*0.41*	
		For 60 mils Thick, Deduct	*-1.52*	
		For 125 mils Thick, Add	*1.96*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	28.42	
		For Up To 10, Add	*1.98*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 200, Deduct	*-1.32*	
		For >200, Deduct	*-2.64*	
		For Enhanced Wet-Night Visibility, Add	*0.72*	
		For 60 mils Thick, Deduct	*-2.67*	
		For 125 mils Thick, Add	*3.43*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	53.26	
		For Up To 10, Add	*3.97*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 200, Deduct	*-2.65*	
		For >200, Deduct	*-5.30*	
		For Enhanced Wet-Night Visibility, Add	*1.27*	
		For 60 mils Thick, Deduct	*-4.68*	
		For 125 mils Thick, Add	*6.02*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	64.45	
		For Up To 10, Add	*4.45*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 200, Deduct	*-2.97*	
		For >200, Deduct	*-5.93*	
		For Enhanced Wet-Night Visibility, Add	*1.65*	
		For 60 mils Thick, Deduct	*-6.09*	
		For 125 mils Thick, Add	*7.83*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	116.34	
		For Up To 10, Add	*7.91*	
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 200, Deduct	*-5.28*	
		For >200, Deduct	*-10.55*	
		For Enhanced Wet-Night Visibility, Add	*3.02*	
		For 60 mils Thick, Deduct	*-11.13*	
		For 125 mils Thick, Add	*14.31*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	154.50	
		For Up To 10, Add	*10.63*	
		For >50 To 100, Deduct	*-5.31*	
		For >100 To 200, Deduct	*-7.08*	
		For >200, Deduct	*-14.17*	
		For Enhanced Wet-Night Visibility, Add	*3.97*	
		For 60 mils Thick, Deduct	*-14.64*	
		For 125 mils Thick, Add	*18.82*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	274.49	
		For Up To 10, Add	*13.17*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 200, Deduct	*-8.78*	
		For >200, Deduct	*-17.55*	
		For Enhanced Wet-Night Visibility, Add	*8.87*	
		For 60 mils Thick, Deduct	*-32.68*	
		For 125 mils Thick, Add	*42.01*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.96	
		For Enhanced Wet-Night Visibility, Add	*0.29*	
		For 60 mils Thick, Deduct	*-1.05*	
		For 125 mils Thick, Add	*1.35*	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Per SY of area.	40.62	
		For Enhanced Wet-Night Visibility, Add	*0.54*	
		For 60 mils Thick, Deduct	*-2.00*	
		For 125 mils Thick, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	361.35	
		For Enhanced Wet-Night Visibility, Add	*6.58*	
		For 60 mils Thick, Deduct	*-24.24*	
		For 125 mils Thick, Add	*31.17*	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	1,075.24	
		For Enhanced Wet-Night Visibility, Add	*20.03*	
		For 60 mils Thick, Deduct	*-73.78*	
		For 125 mils Thick, Add	*94.86*	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	237.39	
		For Enhanced Wet-Night Visibility, Add	*9.06*	
		For 60 mils Thick, Deduct	*-33.37*	
		For 125 mils Thick, Add	*42.91*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	172.82	
		For Enhanced Wet-Night Visibility, Add	*3.15*	
		For 60 mils Thick, Deduct	*-11.60*	
		For 125 mils Thick, Add	*14.91*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	15.70	
		For Enhanced Wet-Night Visibility, Add	*0.29*	
		For 60 mils Thick, Deduct	*-1.05*	
		For 125 mils Thick, Add	*1.35*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	219.94	
		For Enhanced Wet-Night Visibility, Add	*4.01*	
		For 60 mils Thick, Deduct	*-14.76*	
		For 125 mils Thick, Add	*18.97*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	392.77	
		For Enhanced Wet-Night Visibility, Add	*7.15*	
		For 60 mils Thick, Deduct	*-26.35*	
		For 125 mils Thick, Add	*33.88*	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	487.04	
		For Enhanced Wet-Night Visibility, Add	*8.87*	
		For 60 mils Thick, Deduct	*-32.68*	
		For 125 mils Thick, Add	*42.01*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	706.98	
		For Enhanced Wet-Night Visibility, Add	*12.87*	
		For 60 mils Thick, Deduct	*-47.43*	
		For 125 mils Thick, Add	*60.98*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	926.94	
		For Enhanced Wet-Night Visibility, Add	*16.88*	
		For 60 mils Thick, Deduct	*-62.19*	
		For 125 mils Thick, Add	*79.96*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	659.85	
		For Enhanced Wet-Night Visibility, Add	*12.02*	
		For 60 mils Thick, Deduct	*-44.27*	
		For 125 mils Thick, Add	*56.92*	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	1,146.88	
		For Enhanced Wet-Night Visibility, Add	*20.89*	
		For 60 mils Thick, Deduct	*-76.95*	
		For 125 mils Thick, Add	*98.93*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	235.67	
		For Enhanced Wet-Night Visibility, Add	*4.29*	
		For 60 mils Thick, Deduct	*-15.81*	
		For 125 mils Thick, Add	*20.33*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	518.46	
		For Enhanced Wet-Night Visibility, Add	*9.44*	
		For 60 mils Thick, Deduct	*-34.78*	
		For 125 mils Thick, Add	*44.72*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	659.85	
		For Enhanced Wet-Night Visibility, Add	*12.02*	
		For 60 mils Thick, Deduct	*-44.27*	
		For 125 mils Thick, Add	*56.92*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	424.19	
		For Enhanced Wet-Night Visibility, Add	*7.72*	
		For 60 mils Thick, Deduct	*-28.46*	
		For 125 mils Thick, Add	*36.59*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	565.59	
		For Enhanced Wet-Night Visibility, Add	*10.30*	
		For 60 mils Thick, Deduct	*-37.95*	
		For 125 mils Thick, Add	*48.79*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	109.98	
		For Enhanced Wet-Night Visibility, Add	*2.00*	
		For 60 mils Thick, Deduct	*-7.38*	
		For 125 mils Thick, Add	*9.49*	

32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.16	
		For Enhanced Wet-Night Visibility, Add	*0.08*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.37	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.69	
		For Enhanced Wet-Night Visibility, Add	*0.16*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	9.65	
		For Enhanced Wet-Night Visibility, Add	*0.24*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	17.61	
		For Enhanced Wet-Night Visibility, Add	*0.49*	
		For 60 mils Thick, Deduct	*-1.79*	
		For 125 mils Thick, Add	*2.30*	

32 17 23 33-0044 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.56	
		For Up To 5,000 LF, Add	*0.91*	
		For >25,000 LF, Deduct	*-0.68*	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.78	
		For Up To 5,000 LF, Add	*1.36*	
		For >25,000 LF, Deduct	*-1.02*	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	9.01	
		For Up To 5,000 LF, Add	*1.80*	
		For >25,000 LF, Deduct	*-1.35*	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	13.41	
		For Up To 5,000 LF, Add	*2.68*	
		For >25,000 LF, Deduct	*-2.01*	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	36.11	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	53.84	
		For <10, Add	*1.44*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 200, Deduct	*-0.96*	
		For >200, Deduct	*-1.91*	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	96.40	
		For <10, Add	*1.82*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 200, Deduct	*-1.21*	
		For >200, Deduct	*-2.43*	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	164.71	
		For <10, Add	*3.61*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 200, Deduct	*-2.40*	
		For >200, Deduct	*-4.81*	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	234.02	
		For <10, Add	*7.21*	
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 200, Deduct	*-4.81*	
		For >200, Deduct	*-9.62*	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	275.00	
		For <10, Add	*8.09*	
		For >50 To 100, Deduct	*-4.04*	
		For >100 To 200, Deduct	*-5.39*	
		For >200, Deduct	*-10.79*	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	344.43	
		For <10, Add	*14.39*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 200, Deduct	*-9.59*	
		For >200, Deduct	*-19.19*	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	437.33	
		For <10, Add	*19.33*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-12.89*	
		For >200, Deduct	*-25.77*	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	548.69	
		For <10, Add	*23.95*	
		For >50 To 100, Deduct	*-11.98*	
		For >100 To 200, Deduct	*-15.97*	
		For >200, Deduct	*-31.93*	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	37.05	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	38.79	

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	526.28	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,397.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	272.68	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	227.71	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	452.75	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	265.95	
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	505.50	
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	872.08	
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,319.47	
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	464.18	
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	516.93	
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	963.84	
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	884.93	
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	888.42	
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	1,229.54	
32 17 23 33-0076		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0077		Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0076)* Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	176.87	
32 17 23 33-0079	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	677.91	
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	381.26	
32 17 23 33-0081	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	458.83	
32 17 23 33-0082	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	481.02	
32 17 26		**Tactile Warning Surfaces** *(32 17)*		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)* Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	74.58	11.61
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	59.49	11.61
32 17 26 00-0004		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)* Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	88.46	11.61
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	78.01	11.61
32 18		**Athletic and Recreational Surfacing** *(32 10)*		
32 18 16		**Synthetic Resilient Surfacing** *(32 18)*		
32 18 16 13		**Playground Protective Surfacing** *(32 18 16)*		
32 18 16 13-0001		Tile Playground Surface Material *(32 18 16 13)* Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	26.73	2.66
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.99*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	27.23	2.82
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.09*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	28.23	3.15
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.29*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	29.23	3.49
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.49*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	32.66	3.82
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*2.69*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	33.76	4.18
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*2.91*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	34.90	4.56
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*3.14*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	38.40	4.88
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.35*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	39.40	5.28
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.55*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	40.49	5.58
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.77*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	46.67	6.28
		For Manufacturer's Standard Colors, Add	*0.69*	
		For Interlocking Tiles, Add	*5.55*	
		For Mechanically Fastened, Add	*4.19*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.89	0.40
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.52	0.50
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.22	0.60
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.54	0.90
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.84	0.40
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.51	0.50
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.39	0.60
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.73	0.90
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	11.41	1.50
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	14.55	2.00

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.18	3.08
		For Up To 2,000, Add	*4.19*	
		For >2,000 To 3,000, Add	*2.96*	
		For >3,000 To 4,000, Add	*2.01*	
		For >4,000 To 5,000, Add	*1.29*	
		For >5,000 To 7,000, Add	*0.54*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.85	3.43
		For Up To 2,000, Add	*4.32*	
		For >2,000 To 3,000, Add	*3.05*	
		For >3,000 To 4,000, Add	*2.08*	
		For >4,000 To 5,000, Add	*1.33*	
		For >5,000 To 7,000, Add	*0.55*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	23.58	3.91
		For Up To 2,000, Add	*4.66*	
		For >2,000 To 3,000, Add	*3.29*	
		For >3,000 To 4,000, Add	*2.24*	
		For >4,000 To 5,000, Add	*1.43*	
		For >5,000 To 7,000, Add	*0.60*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	25.47	4.16
		For Up To 2,000, Add	*5.04*	
		For >2,000 To 3,000, Add	*3.55*	
		For >3,000 To 4,000, Add	*2.42*	
		For >4,000 To 5,000, Add	*1.55*	
		For >5,000 To 7,000, Add	*0.64*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.35	4.38
		For Up To 2,000, Add	*5.41*	
		For >2,000 To 3,000, Add	*3.81*	
		For >3,000 To 4,000, Add	*2.60*	
		For >4,000 To 5,000, Add	*1.66*	
		For >5,000 To 7,000, Add	*0.69*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	28.95	4.63
		For Up To 2,000, Add	*5.72*	
		For >2,000 To 3,000, Add	*4.04*	
		For >3,000 To 4,000, Add	*2.75*	
		For >4,000 To 5,000, Add	*1.76*	
		For >5,000 To 7,000, Add	*0.73*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	30.84	4.89
		For Up To 2,000, Add	*6.10*	
		For >2,000 To 3,000, Add	*4.30*	
		For >3,000 To 4,000, Add	*2.93*	
		For >4,000 To 5,000, Add	*1.87*	
		For >5,000 To 7,000, Add	*0.78*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	34.60	5.48
		For Up To 2,000, Add	*6.84*	
		For >2,000 To 3,000, Add	*4.82*	
		For >3,000 To 4,000, Add	*3.29*	
		For >4,000 To 5,000, Add	*2.10*	
		For >5,000 To 7,000, Add	*0.88*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	13.83	
		For Up To 2,000, Add	*4.11*	
		For >2,000 To 3,000, Add	*2.66*	
		For >3,000 To 4,000, Add	*1.63*	
		For >4,000 To 5,000, Add	*0.98*	
		For >5,000 To 7,000, Add	*0.44*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	3,038.22	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*
Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	11.13	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.79	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.32	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	59.41	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0003		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*		
32 18 23 29-0004		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*		
32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.76	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,996.35	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,634.76	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	7,112.31	
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,626.08	
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,516.66	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,884.04	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	31,731.86	
32 18 23 29-0013		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*		
32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	10.09	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	29,543.63	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	24,510.27	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,659.46	
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,844.94	
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,626.10	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,978.38	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	33,318.65	
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	10.28	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	30,090.74	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	26,479.85	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	8,206.56	
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	3,063.78	
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,735.52	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	24,072.59	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,905.25	
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.52	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	31,184.76	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	33,263.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,300.72	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,501.45	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,954.35	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	26,260.85	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	38,078.23	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.92	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	31,731.86	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,984.03	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,847.82	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,720.29	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	3,063.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	27,355.05	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	39,664.82	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.93	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	32,278.96	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	37,202.87	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,394.92	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,939.13	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,173.19	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	28,449.25	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	41,251.42	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	12.16	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,826.06	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	39,610.11	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,942.02	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,376.81	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,282.61	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	29,543.45	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	42,838.01	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0069		**38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)** *(32 18 23 29-0068)*		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.68	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,902.32	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,571.12	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	6,018.15	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,188.42	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per end zone.	2,297.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,695.75	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	28,558.84	
32 18 23 29-0078		**42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)** *(32 18 23 29-0068)*		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.50	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	28,449.25	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,884.04	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,565.21	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,407.24	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per end zone.	2,407.24	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,789.84	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	30,145.27	
32 18 23 29-0087		**Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)** *(32 18 23 29-0002)*		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	19.18	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	17.17	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	53,991.73	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	64,144.02	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,689.91	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,999.08	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields Note: Per end zone.	4,452.93	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	40,076.34	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	58,837.14	
32 18 23 29-0097		**Synthetic Turf (G9 Turf)** *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	10.55	
		For >35,000, Deduct	*-0.95*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	10.45	
		For >35,000, Deduct	*-0.94*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	10.92	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	74,661.11	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	32,353.15	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,733.06	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.50	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	9.13	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.60	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.31	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.16	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,488.70	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,887.04	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.82	
		For >10,000 To 30,000, Deduct	*-0.33*	
		For >30,000 To 60,000, Deduct	*-0.57*	
		For >60,000, Deduct	*-0.63*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.58	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.20	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	5.08	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.12	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,959.80	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.64	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.46	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.84	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	34.45	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	22.16	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing And Striping *(32 18 23 39)*

Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.

32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	88.01	7.85
		For Up To 4,000, Add	*21.85*	
		For >5,500, Deduct	*-6.87*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	110.47	7.85
		For Up To 4,000, Add	*29.32*	
		For >5,500, Deduct	*-9.21*	
		For Custom Color Upgrade, Add	*7.96*	
		For Aliphatic Top Coating, Add	*15.08*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	180.81	7.85
		For Up To 4,000, Add	*49.27*	
		For >5,500, Deduct	*-8.45*	
		For Custom Color Upgrade, Add	*10.84*	
		For Aliphatic Top Coating, Add	*20.13*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	234.98	7.85
		For Up To 4,000, Add	*63.65*	
		For >5,500, Deduct	*-10.91*	
		For Custom Color Upgrade, Add	*14.18*	
		For Aliphatic Top Coating, Add	*20.73*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	80.00	
		For Up To 4,000, Add	*28.00*	
		For >5,500, Deduct	*-11.60*	
32 18 23 39-0007	SY	Spray Retop Running Tracks	70.27	
		For Up To 4,000, Add	*24.59*	
		For >5,500, Deduct	*-6.87*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	136.01	
		For Up To 4,000, Add	*47.60*	
		For >5,500, Deduct	*-14.34*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick 33.95

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats 664.89

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001 SY Clay Tennis Court 46.24

32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry 51.33
Note: Includes 4" base.

32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement 23.03

32 18 23 56-0004 SY Resurface Clay Tennis Court 13.87

32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone 11.87

32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement 9.67

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat 1.65
Note: Includes ultra fine silica sand. Applied with rubber squeegee.

32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat 0.82
Note: For previously uncoated portland cement concrete. Applied with broom.

32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat 2.12
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.

32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat 93.84
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat 3.37
Note: Includes ultra fine silica sand. Applied with rubber squeegee.
For Pacific Blue, Add *1.21*
For US Open Blue, Add *1.87*

32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat 2.76
Note: Includes ultra fine silica sand. Applied with rubber squeegee.
For Pacific Blue, Add *0.87*
For US Open Blue, Add *1.34*

32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat 2.41
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.
For Pacific Blue, Add *0.67*
For US Open Blue, Add *1.04*

32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat 2.40
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.
For Pacific Blue, Add *0.81*
For US Open Or Australian Open Blue, Add *1.32*
For Pro Purple, Add *2.28*

32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0013 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) 1.63
Note: Textured or non-textured highly reflective line marking paint.

32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*

32 18 23 61-0015 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat 5.12
Note: Applied with rubber squeegee.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	6.94	
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	5.99	
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat Note: Applied with rubber squeegee.	4.52	
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat Note: Price per coat for second or additional coats. Applied with rubber squeegee.	3.47	
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.88	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,362.69	240.16
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	3,178.39	240.16
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,725.37	480.32
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	6,356.76	480.32
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0011		Single Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,914.35	240.16
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	5,353.57	240.16
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	7,298.69	240.16
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	8,281.71	240.16
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		Dual Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	8,678.36	480.32
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	9,556.80	480.32
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	13,426.12	480.32
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.	15,580.39	480.32
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0021		Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)* Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,212.45	240.16
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	3,095.84	288.19
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,830.68	288.19
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,002.76	336.22
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	6,136.52	336.22
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	8,374.12	384.26
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	13,995.66	384.26
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	23,728.67	432.28

32 31 11 00-0030 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	753.48	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,463.04	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	1,028.73	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	1,103.88	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	978.39	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	675.12	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.98	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	7.29	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	9.33	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	14.37	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	786.87	169.71

32 31 11 00-0042 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).	3,227.38	294.29

For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add 218.33
For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add 156.28
For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add 76.96
For 10 Watt Solar Panel (Liftmaster SP10W12V), Add 309.35
For Each Additional 10' Chain, Add 46.34

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.97
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.34
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.62
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.45
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.95
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.75
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.94
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	24.68
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	28.21
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	32.91
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	39.49
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	49.36

32 31 13 13-0015 Post Hole In Rock *(32 31 13 13-0001)*

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	81.54
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	23.72

32 31 13 13-0018 Fill For Post Holes *(32 31 13 13-0001)*

See CSI section 03 21 00 00-0000 for reinforcing bars.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.36	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	8.17	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	9.00	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	10.34	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	14.59	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	19.47	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	23.81	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	27.76	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	37.82	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	46.92	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	55.80	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	65.01	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.54	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	9.71	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	10.57	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	11.89	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	16.61	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	22.16	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	27.00	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	31.34	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	41.90	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	51.21	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	60.20	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	69.43	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.34	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	6.96	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.27	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.49	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	10.01	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	13.34	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	16.01	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	18.15	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	22.11	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	24.82	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	27.21	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	29.36	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
		Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	24.56	3.83
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	23.47	3.26
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	22.14	2.69
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	21.08	2.12
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	20.36	1.84
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	19.26	1.27
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	16.79	3.54
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.43*	
		For Vinyl Coated, Add	*5.82*	
		For Powder Coated, Add	*7.76*	
		For Aluminum Coated, Add	*12.13*	
		For Schedule 20, Deduct	*-1.94*	
		For Schedule 80, Add	*5.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.59	2.98
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.40*	
		For Vinyl Coated, Add	*5.75*	
		For Powder Coated, Add	*7.67*	
		For Aluminum Coated, Add	*11.99*	
		For Schedule 20, Deduct	*-1.92*	
		For Schedule 80, Add	*5.20*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.31	2.41
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.72*	
		For Powder Coated, Add	*7.62*	
		For Aluminum Coated, Add	*11.91*	
		For Schedule 20, Deduct	*-1.91*	
		For Schedule 80, Add	*5.05*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.33	1.84
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.70*	
		For Powder Coated, Add	*7.60*	
		For Aluminum Coated, Add	*11.88*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.94*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.69	1.56
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.59*	
		For Aluminum Coated, Add	*11.86*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.88*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.98	1.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.58*	
		For Aluminum Coated, Add	*11.85*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.80*	

32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.21	3.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.97*	
		For Vinyl Coated, Add	*7.12*	
		For Powder Coated, Add	*9.50*	
		For Aluminum Coated, Add	*14.84*	
		For Schedule 20, Deduct	*-2.37*	
		For Schedule 80, Add	*6.43*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	18.08	3.12
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.93*	
		For Vinyl Coated, Add	*7.03*	
		For Powder Coated, Add	*9.38*	
		For Aluminum Coated, Add	*14.65*	
		For Schedule 20, Deduct	*-2.34*	
		For Schedule 80, Add	*6.26*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	16.71	2.56
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.91*	
		For Vinyl Coated, Add	*6.99*	
		For Powder Coated, Add	*9.32*	
		For Aluminum Coated, Add	*14.56*	
		For Schedule 20, Deduct	*-2.33*	
		For Schedule 80, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	15.67	1.99
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.97*	
		For Powder Coated, Add	*9.29*	
		For Aluminum Coated, Add	*14.51*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.98*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	14.96	1.70
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.90*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	14.34	1.42
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.84*	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	23.44	3.98
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.93*	
		For Vinyl Coated, Add	*9.42*	
		For Powder Coated, Add	*12.56*	
		For Aluminum Coated, Add	*19.63*	
		For Schedule 20, Deduct	*-3.14*	
		For Schedule 80, Add	*8.31*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	22.18	3.41
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.88*	
		For Vinyl Coated, Add	*9.32*	
		For Powder Coated, Add	*12.42*	
		For Aluminum Coated, Add	*19.41*	
		For Schedule 20, Deduct	*-3.11*	
		For Schedule 80, Add	*8.12*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	20.77	2.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.86*	
		For Vinyl Coated, Add	*9.27*	
		For Powder Coated, Add	*12.36*	
		For Aluminum Coated, Add	*19.31*	
		For Schedule 20, Deduct	*-3.09*	
		For Schedule 80, Add	*7.95*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	19.66	2.12
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.24*	
		For Powder Coated, Add	*12.32*	
		For Aluminum Coated, Add	*19.25*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.82*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	18.92	1.84
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	18.25	1.42
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.67*	
32 31 13 13-0088		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*		
		Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	32.22	4.26
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.93*	
		For Vinyl Coated, Add	*14.23*	
		For Powder Coated, Add	*18.97*	
		For Aluminum Coated, Add	*29.64*	
		For Schedule 20, Deduct	*-4.74*	
		For Schedule 80, Add	*12.23*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	30.70	3.69
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.84*	
		For Vinyl Coated, Add	*14.02*	
		For Powder Coated, Add	*18.69*	
		For Aluminum Coated, Add	*29.20*	
		For Schedule 20, Deduct	*-4.67*	
		For Schedule 80, Add	*11.95*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	29.10	2.98
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.80*	
		For Vinyl Coated, Add	*13.91*	
		For Powder Coated, Add	*18.55*	
		For Aluminum Coated, Add	*28.99*	
		For Schedule 20, Deduct	*-4.64*	
		For Schedule 80, Add	*11.72*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	27.83	2.41
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.78*	
		For Vinyl Coated, Add	*13.86*	
		For Powder Coated, Add	*18.48*	
		For Aluminum Coated, Add	*28.88*	
		For Schedule 20, Deduct	*-4.62*	
		For Schedule 80, Add	*11.56*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	27.00	1.99
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.77*	
		For Vinyl Coated, Add	*13.84*	
		For Powder Coated, Add	*18.45*	
		For Aluminum Coated, Add	*28.83*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.46*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	26.25	1.56
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.76*	
		For Vinyl Coated, Add	*13.83*	
		For Powder Coated, Add	*18.44*	
		For Aluminum Coated, Add	*28.81*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.38*	
32 31 13 13-0095		Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*		
		Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	47.65	4.54
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.67*	
		For Vinyl Coated, Add	*23.21*	
		For Powder Coated, Add	*30.95*	
		For Aluminum Coated, Add	*48.36*	
		For Schedule 20, Deduct	*-7.74*	
		For Schedule 80, Add	*19.47*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	45.52	3.69
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.52*	
		For Vinyl Coated, Add	*22.84*	
		For Powder Coated, Add	*30.45*	
		For Aluminum Coated, Add	*47.58*	
		For Schedule 20, Deduct	*-7.61*	
		For Schedule 80, Add	*19.01*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	43.97	3.12
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.44*	
		For Vinyl Coated, Add	*22.65*	
		For Powder Coated, Add	*30.20*	
		For Aluminum Coated, Add	*47.19*	
		For Schedule 20, Deduct	*-7.55*	
		For Schedule 80, Add	*18.74*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	42.57	2.56
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.40*	
		For Vinyl Coated, Add	*22.55*	
		For Powder Coated, Add	*30.07*	
		For Aluminum Coated, Add	*46.99*	
		For Schedule 20, Deduct	*-7.52*	
		For Schedule 80, Add	*18.54*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	42.49	2.56
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.38*	
		For Vinyl Coated, Add	*22.51*	
		For Powder Coated, Add	*30.01*	
		For Aluminum Coated, Add	*46.89*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.50*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	41.03	1.84
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.37*	
		For Vinyl Coated, Add	*22.49*	
		For Powder Coated, Add	*29.99*	
		For Aluminum Coated, Add	*46.86*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.35*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	94.63	4.96
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*21.17*	
		For Vinyl Coated, Add	*50.80*	
		For Powder Coated, Add	*67.74*	
		For Aluminum Coated, Add	*105.84*	
		For Schedule 20, Deduct	*-16.93*	
		For Schedule 80, Add	*41.64*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	90.63	4.11
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.57*	
		For Vinyl Coated, Add	*49.37*	
		For Powder Coated, Add	*65.82*	
		For Aluminum Coated, Add	*102.85*	
		For Schedule 20, Deduct	*-16.46*	
		For Schedule 80, Add	*40.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	88.01	3.41
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.27*	
		For Vinyl Coated, Add	*48.65*	
		For Powder Coated, Add	*64.87*	
		For Aluminum Coated, Add	*101.36*	
		For Schedule 20, Deduct	*-16.22*	
		For Schedule 80, Add	*39.62*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	86.02	2.69
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.12*	
		For Vinyl Coated, Add	*48.29*	
		For Powder Coated, Add	*64.39*	
		For Aluminum Coated, Add	*100.61*	
		For Schedule 20, Deduct	*-16.10*	
		For Schedule 80, Add	*39.19*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	84.93	2.41
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.05*	
		For Vinyl Coated, Add	*48.12*	
		For Powder Coated, Add	*64.16*	
		For Aluminum Coated, Add	*100.25*	
		For Schedule 20, Deduct	*-16.04*	
		For Schedule 80, Add	*38.97*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	84.08	1.99
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.04*	
		For Vinyl Coated, Add	*48.08*	
		For Powder Coated, Add	*64.11*	
		For Aluminum Coated, Add	*100.18*	
		For Schedule 20, Deduct	*-16.03*	
		For Schedule 80, Add	*38.86*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	184.18	5.53
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*43.28*	
		For Vinyl Coated, Add	*103.88*	
		For Powder Coated, Add	*138.50*	
		For Aluminum Coated, Add	*216.41*	
		For Schedule 20, Deduct	*-34.63*	
		For Schedule 80, Add	*84.21*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	177.63	4.68
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*42.10*	
		For Vinyl Coated, Add	*101.03*	
		For Powder Coated, Add	*134.70*	
		For Aluminum Coated, Add	*210.48*	
		For Schedule 20, Deduct	*-33.68*	
		For Schedule 80, Add	*81.75*	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	173.68	3.83
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.50*	
		For Vinyl Coated, Add	*99.61*	
		For Powder Coated, Add	*132.81*	
		For Aluminum Coated, Add	*207.51*	
		For Schedule 20, Deduct	*-33.20*	
		For Schedule 80, Add	*80.45*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	170.91	2.98
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.21*	
		For Vinyl Coated, Add	*98.90*	
		For Powder Coated, Add	*131.86*	
		For Aluminum Coated, Add	*206.04*	
		For Schedule 20, Deduct	*-32.97*	
		For Schedule 80, Add	*79.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	169.48	2.56
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.06*	
		For Vinyl Coated, Add	*98.54*	
		For Powder Coated, Add	*131.38*	
		For Aluminum Coated, Add	*205.29*	
		For Schedule 20, Deduct	*-32.85*	
		For Schedule 80, Add	*79.36*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	168.50	2.12
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.03*	
		For Vinyl Coated, Add	*98.47*	
		For Powder Coated, Add	*131.29*	
		For Aluminum Coated, Add	*205.14*	
		For Schedule 20, Deduct	*-32.82*	
		For Schedule 80, Add	*79.21*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	96.78
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	96.78
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	99.58
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	119.22

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	110.80
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	106.60
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	111.65
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	119.22
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	119.22

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	111.72
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	115.01
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	124.82
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	124.83
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	143.06
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	155.96

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	111.72
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	115.01
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	124.83
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	127.07

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0141		**Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0140)* Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0682 for barb wire attachments.		
32 31 13 13-0142		**Galvanized** *(32 31 13 13-0141)*		
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.90	4.83
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.39*	
		For 13 Gauge Fabric, Deduct	*-10.43*	
		For 11 Gauge Fabric, Deduct	*-6.09*	
		For 6 Gauge Fabric, Add	*9.57*	
		For 1" Mesh Fabric, Add	*13.05*	
		For 1-3/4" Mesh Fabric, Add	*5.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.48*	
		For Posts 8' On Centers, Add	*2.67*	
		For Posts 5' On Centers, Add	*10.03*	
		For Up To 100, Add	*9.22*	
		For >100 To 250, Add	*3.39*	
		For >2,500 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-3.39*	
		For 3/8" Non-Climbable Mesh, Add	*34.16*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	50.76	4.83
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.50*	
		For 13 Gauge Fabric, Deduct	*-10.97*	
		For 11 Gauge Fabric, Deduct	*-6.41*	
		For 6 Gauge Fabric, Add	*10.07*	
		For 1" Mesh Fabric, Add	*13.73*	
		For 1-3/4" Mesh Fabric, Add	*5.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.66*	
		For Posts 8' On Centers, Add	*2.77*	
		For Posts 5' On Centers, Add	*10.38*	
		For Up To 100, Add	*9.53*	
		For >100 To 250, Add	*3.50*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-3.50*	
		For 3/8" Non-Climbable Mesh, Add	*39.14*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.39	4.83
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.59*	
		For 13 Gauge Fabric, Deduct	*-11.43*	
		For 11 Gauge Fabric, Deduct	*-6.68*	
		For 6 Gauge Fabric, Add	*10.49*	
		For 1" Mesh Fabric, Add	*14.31*	
		For 1-3/4" Mesh Fabric, Add	*5.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.82*	
		For Posts 8' On Centers, Add	*2.85*	
		For Posts 5' On Centers, Add	*10.70*	
		For Up To 100, Add	*9.81*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.59*	
		For 3/8" Non-Climbable Mesh, Add	*44.17*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	56.17	4.83
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.81*	
		For 13 Gauge Fabric, Deduct	*-12.53*	
		For 11 Gauge Fabric, Deduct	*-7.32*	
		For 6 Gauge Fabric, Add	*11.50*	
		For 1" Mesh Fabric, Add	*15.69*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For Posts 8' On Centers, Add	*3.05*	
		For Posts 5' On Centers, Add	*11.42*	
		For Up To 100, Add	*10.44*	
		For >100 To 250, Add	*3.81*	
		For >2,500 To 5,000, Deduct	*-1.91*	
		For >5,000, Deduct	*-3.81*	
		For 3/8" Non-Climbable Mesh, Add	*53.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	60.67	4.83
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.10*	
		For 13 Gauge Fabric, Deduct	*-13.64*	
		For 11 Gauge Fabric, Deduct	*-7.97*	
		For 6 Gauge Fabric, Add	*12.52*	
		For 1" Mesh Fabric, Add	*17.07*	
		For 1-3/4" Mesh Fabric, Add	*6.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.55*	
		For Posts 8' On Centers, Add	*3.29*	
		For Posts 5' On Centers, Add	*12.31*	
		For Up To 100, Add	*11.24*	
		For >100 To 250, Add	*4.10*	
		For >2,500 To 5,000, Deduct	*-2.05*	
		For >5,000, Deduct	*-4.10*	
		For 3/8" Non-Climbable Mesh, Add	*62.95*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	62.82	7.24
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.25*	
		For 13 Gauge Fabric, Deduct	*-14.11*	
		For 11 Gauge Fabric, Deduct	*-8.24*	
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.66*	
		For 1-3/4" Mesh Fabric, Add	*7.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.71*	
		For Posts 8' On Centers, Add	*3.41*	
		For Posts 5' On Centers, Add	*12.75*	
		For Up To 100, Add	*11.65*	
		For >100 To 250, Add	*4.25*	
		For >2,500 To 5,000, Deduct	*-2.13*	
		For >5,000, Deduct	*-4.25*	
		For 3/8" Non-Climbable Mesh, Add	*72.55*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	71.13	8.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.74*	
		For 13 Gauge Fabric, Deduct	*-16.49*	
		For 11 Gauge Fabric, Deduct	*-9.63*	
		For 6 Gauge Fabric, Add	*15.14*	
		For 1" Mesh Fabric, Add	*20.64*	
		For 1-3/4" Mesh Fabric, Add	*8.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.50*	
		For Posts 8' On Centers, Add	*3.84*	
		For Posts 5' On Centers, Add	*14.34*	
		For Up To 100, Add	*13.04*	
		For >100 To 250, Add	*4.74*	
		For >2,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-4.74*	
		For 3/8" Non-Climbable Mesh, Add	*82.24*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	75.70	10.85
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.03*	
		For 13 Gauge Fabric, Deduct	*-17.69*	
		For 11 Gauge Fabric, Deduct	*-10.33*	
		For 6 Gauge Fabric, Add	*16.24*	
		For 1" Mesh Fabric, Add	*22.14*	
		For 1-3/4" Mesh Fabric, Add	*8.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.90*	
		For Posts 8' On Centers, Add	*4.08*	
		For Posts 5' On Centers, Add	*15.24*	
		For Up To 100, Add	*13.84*	
		For >100 To 250, Add	*5.03*	
		For >2,500 To 5,000, Deduct	*-2.51*	
		For >5,000, Deduct	*-5.03*	
		For 3/8" Non-Climbable Mesh, Add	*90.65*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	80.28	12.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.31*	
		For 13 Gauge Fabric, Deduct	*-18.89*	
		For 11 Gauge Fabric, Deduct	*-11.03*	
		For 6 Gauge Fabric, Add	*17.34*	
		For 1" Mesh Fabric, Add	*23.64*	
		For 1-3/4" Mesh Fabric, Add	*9.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.73*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.30*	
		For Posts 8' On Centers, Add	*4.33*	
		For Posts 5' On Centers, Add	*16.14*	
		For Up To 100, Add	*14.64*	
		For >100 To 250, Add	*5.31*	
		For >2,500 To 5,000, Deduct	*-2.66*	
		For >5,000, Deduct	*-5.31*	
		For 3/8" Non-Climbable Mesh, Add	*99.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	88.90	14.47
		For Each Additional Foot >12, Add	*4.56*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.85*	
		For 13 Gauge Fabric, Deduct	*-21.13*	
		For 11 Gauge Fabric, Deduct	*-12.34*	
		For 6 Gauge Fabric, Add	*19.40*	
		For 1" Mesh Fabric, Add	*26.45*	
		For 1-3/4" Mesh Fabric, Add	*10.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.05*	
		For Posts 8' On Centers, Add	*4.78*	
		For Posts 5' On Centers, Add	*17.83*	
		For Up To 100, Add	*16.15*	
		For >100 To 250, Add	*5.85*	
		For >2,500 To 5,000, Deduct	*-2.93*	
		For >5,000, Deduct	*-5.85*	
		For 3/8" Non-Climbable Mesh, Add	*107.77*	
32 31 13 13-0153		Vinyl Coated *(32 31 13 13-0141)*		
32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	54.11	4.83
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.19*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.68*	
		For 13 Gauge Fabric, Deduct	*-12.03*	
		For 11 Gauge Fabric, Deduct	*-7.03*	
		For 6 Gauge Fabric, Add	*11.04*	
		For 1" Mesh Fabric, Add	*15.06*	
		For 1-3/4" Mesh Fabric, Add	*6.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.01*	
		For Posts 8' On Centers, Add	*2.94*	
		For Posts 5' On Centers, Add	*11.01*	
		For Up To 100, Add	*10.07*	
		For >100 To 250, Add	*3.68*	
		For >2,500 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-3.68*	
		For 3/8" Non-Climbable Mesh, Add	*49.44*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.33	4.83
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.73*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.92*	
		For 13 Gauge Fabric, Deduct	*-13.28*	
		For 11 Gauge Fabric, Deduct	*-7.76*	
		For 6 Gauge Fabric, Add	*12.19*	
		For 1" Mesh Fabric, Add	*16.63*	
		For 1-3/4" Mesh Fabric, Add	*6.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.43*	
		For Posts 8' On Centers, Add	*3.16*	
		For Posts 5' On Centers, Add	*11.81*	
		For Up To 100, Add	*10.76*	
		For >100 To 250, Add	*3.92*	
		For >2,500 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.92*	
		For 3/8" Non-Climbable Mesh, Add	*60.11*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	65.07	4.83
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.55*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.32*	
		For 13 Gauge Fabric, Deduct	*-15.17*	
		For 11 Gauge Fabric, Deduct	*-8.86*	
		For 6 Gauge Fabric, Add	*13.92*	
		For 1" Mesh Fabric, Add	*18.99*	
		For 1-3/4" Mesh Fabric, Add	*7.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.06*	
		For Posts 8' On Centers, Add	*3.51*	
		For Posts 5' On Centers, Add	*13.10*	
		For Up To 100, Add	*11.90*	
		For >100 To 250, Add	*4.32*	
		For >2,500 To 5,000, Deduct	*-2.16*	
		For >5,000, Deduct	*-4.32*	
		For 3/8" Non-Climbable Mesh, Add	*70.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.93	7.24
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.51*	
		For 13 Gauge Fabric, Deduct	*-15.88*	
		For 11 Gauge Fabric, Deduct	*-9.28*	
		For 6 Gauge Fabric, Add	*14.58*	
		For 1" Mesh Fabric, Add	*19.88*	
		For 1-3/4" Mesh Fabric, Add	*7.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.98*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.30*	
		For Posts 8' On Centers, Add	*3.66*	
		For Posts 5' On Centers, Add	*13.67*	
		For Up To 100, Add	*12.41*	
		For >100 To 250, Add	*4.51*	
		For >2,500 To 5,000, Deduct	*-2.25*	
		For >5,000, Deduct	*-4.51*	
		For 3/8" Non-Climbable Mesh, Add	*81.76*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	77.09	8.44
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.01*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.04*	
		For 13 Gauge Fabric, Deduct	*-18.56*	
		For 11 Gauge Fabric, Deduct	*-10.84*	
		For 6 Gauge Fabric, Add	*17.04*	
		For 1" Mesh Fabric, Add	*23.23*	
		For 1-3/4" Mesh Fabric, Add	*9.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.65*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.20*	
		For Posts 8' On Centers, Add	*4.14*	
		For Posts 5' On Centers, Add	*15.42*	
		For Up To 100, Add	*13.93*	
		For >100 To 250, Add	*5.04*	
		For >2,500 To 5,000, Deduct	*-2.52*	
		For >5,000, Deduct	*-5.04*	
		For 3/8" Non-Climbable Mesh, Add	*92.77*	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	82.10	10.85
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.60*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.35*	
		For 13 Gauge Fabric, Deduct	*-19.91*	
		For 11 Gauge Fabric, Deduct	*-11.63*	
		For 6 Gauge Fabric, Add	*18.28*	
		For 1" Mesh Fabric, Add	*24.93*	
		For 1-3/4" Mesh Fabric, Add	*9.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.65*	
		For Posts 8' On Centers, Add	*4.40*	
		For Posts 5' On Centers, Add	*16.39*	
		For Up To 100, Add	*14.80*	
		For >100 To 250, Add	*5.35*	
		For >2,500 To 5,000, Deduct	*-2.67*	
		For >5,000, Deduct	*-5.35*	
		For 3/8" Non-Climbable Mesh, Add	*102.36*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	87.11	12.06
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.18*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.65*	
		For 13 Gauge Fabric, Deduct	*-21.26*	
		For 11 Gauge Fabric, Deduct	*-12.42*	
		For 6 Gauge Fabric, Add	*19.52*	
		For 1" Mesh Fabric, Add	*26.61*	
		For 1-3/4" Mesh Fabric, Add	*10.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.10*	
		For Posts 8' On Centers, Add	*4.67*	
		For Posts 5' On Centers, Add	*17.37*	
		For Up To 100, Add	*15.66*	
		For >100 To 250, Add	*5.65*	
		For >2,500 To 5,000, Deduct	*-2.83*	
		For >5,000, Deduct	*-5.65*	
		For 3/8" Non-Climbable Mesh, Add	*112.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	94.91	14.47
		For Each Additional Foot >12, Add	*4.81*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*10.02*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*6.15*	
		For 13 Gauge Fabric, Deduct	*-23.22*	
		For 11 Gauge Fabric, Deduct	*-13.56*	
		For 6 Gauge Fabric, Add	*21.31*	
		For 1" Mesh Fabric, Add	*29.06*	
		For 1-3/4" Mesh Fabric, Add	*11.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.75*	
		For Posts 8' On Centers, Add	*5.08*	
		For Posts 5' On Centers, Add	*18.91*	
		For Up To 100, Add	*17.05*	
		For >100 To 250, Add	*6.15*	
		For >2,500 To 5,000, Deduct	*-3.08*	
		For >5,000, Deduct	*-6.15*	
		For 3/8" Non-Climbable Mesh, Add	*121.76*	
32 31 13 13-0162		**Rails** *(32 31 13 13)*		
		Note: Includes rail end fittings.		
32 31 13 13-0163		**SS-20 Chain Link Fence Rails** *(32 31 13 13-0162)*		
		Note: Includes tie wires.		
32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	9.20	1.56
		For SS15, Deduct	*-0.59*	
		For SS40, Add	*1.49*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	11.20	1.56
		For SS40, Add	*0.79*	
		For Powder Coated, Add	*1.59*	
		For Aluminum Coated, Add	*3.18*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	11.45	1.78
		For SS15, Deduct	*-0.79*	
		For SS40, Add	*1.98*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	14.12	1.78
		For SS40, Add	*1.06*	
		For Powder Coated, Add	*2.12*	
		For Aluminum Coated, Add	*4.23*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	13.48	1.99
		For SS40, Add	*2.38*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	16.68	1.99
		For SS40, Add	*1.27*	
		For Powder Coated, Add	*2.54*	
		For Aluminum Coated, Add	*5.08*	
32 31 13 13-0170		**SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal)** *(32 31 13 13-0162)*		
32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	12.10	1.56
		For SS40, Add	*2.14*	
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	14.77	1.56
		For SS40, Add	*1.12*	
		For Powder Coated, Add	*2.25*	
		For Aluminum Coated, Add	*4.49*	
32 31 13 13-0173		**Fabric** *(32 31 13 13)*		
32 31 13 13-0174		**Fabric, Galvanized Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.45	2.84
		For 1-1/4" Mesh Fabric, Add	*1.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.06*	
		For 13 Gauge Fabric, Deduct	*-1.90*	
		For 11 Gauge Fabric, Deduct	*-1.06*	
		For 6 Gauge Fabric, Add	*3.38*	
		For 1" Mesh Fabric, Add	*3.17*	
		For 1-1/4" Mesh Fabric, Add	*2.12*	
		For 1-3/4" Mesh Fabric, Add	*1.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.63*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.85*	
		For 3/8" Non-Climbable Mesh, Add	*35.54*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.86	3.20
		For 1-1/4" Mesh Fabric, Add	*1.38*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.23*	
		For 13 Gauge Fabric, Deduct	*-2.22*	
		For 11 Gauge Fabric, Deduct	*-1.23*	
		For 6 Gauge Fabric, Add	*3.94*	
		For 1" Mesh Fabric, Add	*3.70*	
		For 1-1/4" Mesh Fabric, Add	*2.47*	
		For 1-3/4" Mesh Fabric, Add	*1.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.74*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.99*	
		For 3/8" Non-Climbable Mesh, Add	*40.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.06	3.54
		For 1-1/4" Mesh Fabric, Add	*1.52*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.36*	
		For 13 Gauge Fabric, Deduct	*-2.44*	
		For 11 Gauge Fabric, Deduct	*-1.36*	
		For 6 Gauge Fabric, Add	*4.34*	
		For 1" Mesh Fabric, Add	*4.07*	
		For 1-1/4" Mesh Fabric, Add	*2.71*	
		For 1-3/4" Mesh Fabric, Add	*1.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.08*	
		For 3/8" Non-Climbable Mesh, Add	*45.76*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.11	4.26
		For 1-1/4" Mesh Fabric, Add	*1.89*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.69*	
		For 13 Gauge Fabric, Deduct	*-3.04*	
		For 11 Gauge Fabric, Deduct	*-1.69*	
		For 6 Gauge Fabric, Add	*5.41*	
		For 1" Mesh Fabric, Add	*5.07*	
		For 1-1/4" Mesh Fabric, Add	*3.38*	
		For 1-3/4" Mesh Fabric, Add	*2.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.35*	
		For 3/8" Non-Climbable Mesh, Add	*55.22*	
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	20.29	4.96
		For 1-1/4" Mesh Fabric, Add	*2.28*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.03*	
		For 13 Gauge Fabric, Deduct	*-3.66*	
		For 11 Gauge Fabric, Deduct	*-2.03*	
		For 6 Gauge Fabric, Add	*6.50*	
		For 1" Mesh Fabric, Add	*6.10*	
		For 1-1/4" Mesh Fabric, Add	*4.07*	
		For 1-3/4" Mesh Fabric, Add	*2.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.22*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.63*	
		For 3/8" Non-Climbable Mesh, Add	*64.79*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	22.56	5.68
		For 1-1/4" Mesh Fabric, Add	*2.65*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.37*	
		For 13 Gauge Fabric, Deduct	*-4.26*	
		For 11 Gauge Fabric, Deduct	*-2.37*	
		For 6 Gauge Fabric, Add	*7.57*	
		For 1" Mesh Fabric, Add	*7.10*	
		For 1-1/4" Mesh Fabric, Add	*4.73*	
		For 1-3/4" Mesh Fabric, Add	*2.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.89*	
		For 3/8" Non-Climbable Mesh, Add	*74.51*	
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	25.02	7.09
		For 1-1/4" Mesh Fabric, Add	*3.03*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.71*	
		For 13 Gauge Fabric, Deduct	*-4.87*	
		For 11 Gauge Fabric, Deduct	*-2.71*	
		For 6 Gauge Fabric, Add	*8.66*	
		For 1" Mesh Fabric, Add	*8.12*	
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 1-3/4" Mesh Fabric, Add	*3.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.17*	
		For 3/8" Non-Climbable Mesh, Add	*84.38*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.71	7.80
		For 1-1/4" Mesh Fabric, Add	*3.94*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.52*	
		For 13 Gauge Fabric, Deduct	*-6.33*	
		For 11 Gauge Fabric, Deduct	*-3.52*	
		For 6 Gauge Fabric, Add	*11.25*	
		For 1" Mesh Fabric, Add	*10.55*	
		For 1-1/4" Mesh Fabric, Add	*7.03*	
		For 1-3/4" Mesh Fabric, Add	*4.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.81*	
		For 3/8" Non-Climbable Mesh, Add	*101.71*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	33.88	8.51
		For 1-1/4" Mesh Fabric, Add	*4.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.21*	
		For 13 Gauge Fabric, Deduct	*-7.58*	
		For 11 Gauge Fabric, Deduct	*-4.21*	
		For 6 Gauge Fabric, Add	*13.48*	
		For 1" Mesh Fabric, Add	*12.64*	
		For 1-1/4" Mesh Fabric, Add	*8.43*	
		For 1-3/4" Mesh Fabric, Add	*5.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.37*	
		For 3/8" Non-Climbable Mesh, Add	*110.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	37.97	9.93
		For 1-1/4" Mesh Fabric, Add	*5.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.53*	
		For 13 Gauge Fabric, Deduct	*-8.15*	
		For 11 Gauge Fabric, Deduct	*-4.53*	
		For 6 Gauge Fabric, Add	*14.48*	
		For 1" Mesh Fabric, Add	*13.58*	
		For 1-1/4" Mesh Fabric, Add	*9.05*	
		For 1-3/4" Mesh Fabric, Add	*5.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.72*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.62*	
		For 3/8" Non-Climbable Mesh, Add	*120.42*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	42.05	11.35
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.84*	
		For 13 Gauge Fabric, Deduct	*-8.71*	
		For 11 Gauge Fabric, Deduct	*-4.84*	
		For 6 Gauge Fabric, Add	*15.48*	
		For 1" Mesh Fabric, Add	*14.51*	
		For 1-1/4" Mesh Fabric, Add	*9.68*	
		For 1-3/4" Mesh Fabric, Add	*5.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.90*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.87*	
		For 3/8" Non-Climbable Mesh, Add	*130.51*	
32 31 13 13-0186		**Fabric, Vinyl Coated Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0187	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.78	2.84
		For 1-1/4" Mesh Fabric, Add	*2.00*	
		For 13 Gauge Fabric, Deduct	*-3.21*	
		For 11 Gauge Fabric, Deduct	*-1.79*	
		For 6 Gauge Fabric, Add	*5.71*	
		For 1" Mesh Fabric, Add	*5.36*	
		For 1-1/4" Mesh Fabric, Add	*3.57*	
		For 1-3/4" Mesh Fabric, Add	*2.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.07*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.43*	
		For 3/8" Non-Climbable Mesh, Add	*51.03*	
		For Aluminum Coated, Add	*2.86*	
32 31 13 13-0188	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.28	4.26
		For 1-1/4" Mesh Fabric, Add	*2.50*	
		For 13 Gauge Fabric, Deduct	*-4.02*	
		For 11 Gauge Fabric, Deduct	*-2.23*	
		For 6 Gauge Fabric, Add	*7.14*	
		For 1" Mesh Fabric, Add	*6.70*	
		For 1-1/4" Mesh Fabric, Add	*4.47*	
		For 1-3/4" Mesh Fabric, Add	*2.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.79*	
		For 3/8" Non-Climbable Mesh, Add	*61.81*	
		For Aluminum Coated, Add	*3.57*	
32 31 13 13-0189	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.68	4.96
		For 1-1/4" Mesh Fabric, Add	*3.51*	
		For 13 Gauge Fabric, Deduct	*-5.63*	
		For 11 Gauge Fabric, Deduct	*-3.13*	
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*9.39*	
		For 1-1/4" Mesh Fabric, Add	*6.26*	
		For 1-3/4" Mesh Fabric, Add	*3.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.88*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.50*	
		For 3/8" Non-Climbable Mesh, Add	*72.68*	
		For Aluminum Coated, Add	*5.01*	
32 31 13 13-0190	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.68	5.68
		For 1-1/4" Mesh Fabric, Add	*4.08*	
		For 13 Gauge Fabric, Deduct	*-6.56*	
		For 11 Gauge Fabric, Deduct	*-3.65*	
		For 6 Gauge Fabric, Add	*11.66*	
		For 1" Mesh Fabric, Add	*10.94*	
		For 1-1/4" Mesh Fabric, Add	*7.29*	
		For 1-3/4" Mesh Fabric, Add	*4.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.92*	
		For 3/8" Non-Climbable Mesh, Add	*83.72*	
		For Aluminum Coated, Add	*5.83*	
32 31 13 13-0191	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.98	7.09
		For 1-1/4" Mesh Fabric, Add	*4.70*	
		For 13 Gauge Fabric, Deduct	*-7.56*	
		For 11 Gauge Fabric, Deduct	*-4.20*	
		For 6 Gauge Fabric, Add	*13.43*	
		For 1" Mesh Fabric, Add	*12.59*	
		For 1-1/4" Mesh Fabric, Add	*8.40*	
		For 1-3/4" Mesh Fabric, Add	*5.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.52*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.36*	
		For 3/8" Non-Climbable Mesh, Add	*94.91*	
		For Aluminum Coated, Add	*6.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0192	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	36.54	7.80
		For 1-1/4" Mesh Fabric, Add	*5.85*	
		For 13 Gauge Fabric, Deduct	*-9.40*	
		For 11 Gauge Fabric, Deduct	*-5.22*	
		For 6 Gauge Fabric, Add	*16.71*	
		For 1" Mesh Fabric, Add	*15.67*	
		For 1-1/4" Mesh Fabric, Add	*10.45*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For 3/8" Non-Climbable Mesh, Add	*114.62*	
		For Aluminum Coated, Add	*8.36*	
32 31 13 13-0193	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	39.89	8.51
		For 1-1/4" Mesh Fabric, Add	*6.40*	
		For 13 Gauge Fabric, Deduct	*-10.29*	
		For 11 Gauge Fabric, Deduct	*-5.72*	
		For 6 Gauge Fabric, Add	*18.29*	
		For 1" Mesh Fabric, Add	*17.15*	
		For 1-1/4" Mesh Fabric, Add	*11.43*	
		For 1-3/4" Mesh Fabric, Add	*6.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.57*	
		For 3/8" Non-Climbable Mesh, Add	*124.32*	
		For Aluminum Coated, Add	*9.14*	
32 31 13 13-0194	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	45.03	9.93
		For 1-1/4" Mesh Fabric, Add	*7.04*	
		For 13 Gauge Fabric, Deduct	*-11.32*	
		For 11 Gauge Fabric, Deduct	*-6.29*	
		For 6 Gauge Fabric, Add	*20.13*	
		For 1" Mesh Fabric, Add	*18.87*	
		For 1-1/4" Mesh Fabric, Add	*12.58*	
		For 1-3/4" Mesh Fabric, Add	*7.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.03*	
		For 3/8" Non-Climbable Mesh, Add	*135.51*	
		For Aluminum Coated, Add	*10.06*	
32 31 13 13-0195	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	50.27	11.35
		For 1-1/4" Mesh Fabric, Add	*7.72*	
		For 13 Gauge Fabric, Deduct	*-12.41*	
		For 11 Gauge Fabric, Deduct	*-6.89*	
		For 6 Gauge Fabric, Add	*22.06*	
		For 1" Mesh Fabric, Add	*20.68*	
		For 1-1/4" Mesh Fabric, Add	*13.79*	
		For 1-3/4" Mesh Fabric, Add	*8.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.51*	
		For 3/8" Non-Climbable Mesh, Add	*146.68*	
		For Aluminum Coated, Add	*11.03*	
32 31 13 13-0196		**Fabric, Aluminized Steel Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0197	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.00	2.84
		For 6 Gauge Fabric, Add	*3.02*	
		For 1" Mesh Fabric, Add	*3.97*	
32 31 13 13-0198	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.32	3.20
		For 6 Gauge Fabric, Add	*3.51*	
		For 1" Mesh Fabric, Add	*4.61*	
32 31 13 13-0199	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.67	3.54
		For 6 Gauge Fabric, Add	*4.02*	
		For 1" Mesh Fabric, Add	*5.28*	
32 31 13 13-0200	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.63	4.26
		For 6 Gauge Fabric, Add	*5.02*	
		For 1" Mesh Fabric, Add	*6.59*	
32 31 13 13-0201	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.66	4.96
		For 6 Gauge Fabric, Add	*6.00*	
		For 1" Mesh Fabric, Add	*7.88*	
32 31 13 13-0202	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	21.88	5.68
		For 6 Gauge Fabric, Add	*7.02*	
		For 1" Mesh Fabric, Add	*9.22*	
32 31 13 13-0203	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	24.22	7.09
		For 6 Gauge Fabric, Add	*8.02*	
		For 1" Mesh Fabric, Add	*10.53*	
32 31 13 13-0204	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	28.18	7.80
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*13.16*	
32 31 13 13-0205	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	32.06	8.51
		For 6 Gauge Fabric, Add	*12.02*	
		For 1" Mesh Fabric, Add	*15.78*	
32 31 13 13-0206		**Fabric, All Aluminum Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0207	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.10	2.84
		For 6 Gauge Fabric, Add	*7.90*	
		For 1" Mesh Fabric, Add	*10.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0208	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.45	3.20
		For 6 Gauge Fabric, Add	*9.22*	
		For 1" Mesh Fabric, Add	*12.10*	
32 31 13 13-0209	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.81	3.54
		For 6 Gauge Fabric, Add	*10.54*	
		For 1" Mesh Fabric, Add	*13.83*	
32 31 13 13-0210	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	27.81	4.26
		For 6 Gauge Fabric, Add	*13.17*	
		For 1" Mesh Fabric, Add	*17.28*	
32 31 13 13-0211	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.91	4.96
		For 6 Gauge Fabric, Add	*15.80*	
		For 1" Mesh Fabric, Add	*20.74*	
32 31 13 13-0212	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	36.14	5.68
		For 6 Gauge Fabric, Add	*18.43*	
		For 1" Mesh Fabric, Add	*24.19*	
32 31 13 13-0213	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	40.52	7.09
		For 6 Gauge Fabric, Add	*21.06*	
		For 1" Mesh Fabric, Add	*27.65*	
32 31 13 13-0214	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	48.57	7.80
		For 6 Gauge Fabric, Add	*26.34*	
		For 1" Mesh Fabric, Add	*34.57*	
32 31 13 13-0215	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	56.53	8.51
		For 6 Gauge Fabric, Add	*31.60*	
		For 1" Mesh Fabric, Add	*41.48*	

32 31 13 13-0216 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0217 Vinyl Plastic Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0218	LF	3' High Fence, Vinyl Plastic Fence Insert	10.19
32 31 13 13-0219	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.62
32 31 13 13-0220	LF	4' High Fence, Vinyl Plastic Fence Insert	12.81
32 31 13 13-0221	LF	5' High Fence, Vinyl Plastic Fence Insert	16.06
32 31 13 13-0222	LF	6' High Fence, Vinyl Plastic Fence Insert	19.22
32 31 13 13-0223	LF	7' High Fence, Vinyl Plastic Fence Insert	22.49
32 31 13 13-0224	LF	8' High Fence, Vinyl Plastic Fence Insert	25.64
32 31 13 13-0225	LF	10' High Fence, Vinyl Plastic Fence Insert	31.21

32 31 13 13-0226 Aluminum Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0227	LF	3' High Fence, Aluminum Fence Insert	42.41
32 31 13 13-0228	LF	3-1/2' High Fence, Aluminum Fence Insert	46.44
32 31 13 13-0229	LF	4' High Fence, Aluminum Fence Insert	52.46
32 31 13 13-0230	LF	5' High Fence, Aluminum Fence Insert	65.63
32 31 13 13-0231	LF	6' High Fence, Aluminum Fence Insert	78.75
32 31 13 13-0232	LF	7' High Fence, Aluminum Fence Insert	85.23
32 31 13 13-0233	LF	8' High Fence, Aluminum Fence Insert	104.99
32 31 13 13-0234	LF	10' High Fence, Aluminum Fence Insert	131.20

32 31 13 13-0235 Redwood Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0236	LF	4' High Fence, Redwood Fence Insert	15.45
32 31 13 13-0237	LF	5' High Fence, Redwood Fence Insert	19.53
32 31 13 13-0238	LF	6' High Fence, Redwood Fence Insert	23.46
32 31 13 13-0239	LF	7' High Fence, Redwood Fence Insert	27.31
32 31 13 13-0240	LF	8' High Fence, Redwood Fence Insert	31.25

32 31 13 13-0241 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0216)*

32 31 13 13-0242	SF	Diagonal Polyethylene Fence Weave	4.05

32 31 13 13-0243 Hedge Link Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0244	LF	3' High Fence, Hedge Link Fence Insert	21.81
32 31 13 13-0245	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.85
32 31 13 13-0246	LF	4' High Fence, Hedge Link Fence Insert	29.10
32 31 13 13-0247	LF	5' High Fence, Hedge Link Fence Insert	35.89
32 31 13 13-0248	LF	6' High Fence, Hedge Link Fence Insert	41.03
32 31 13 13-0249	LF	7' High Fence, Hedge Link Fence Insert	51.87
32 31 13 13-0250	LF	8' High Fence, Hedge Link Fence Insert	58.91
32 31 13 13-0251	LF	10' High Fence, Hedge Link Fence Insert	70.42
32 31 13 13-0252	LF	12' High Fence, Hedge Link Fence Insert	80.78

32 31 13 13-0253 Fence Windscreen Fabric *(32 31 13 13-0173)*

Note: Includes plastic wire clips.

32 31 13 13-0254	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.37	0.61
		For Sewn Boxed Vent (Each), Add	*29.76*	
		For Welded Boxed Vent (Each), Add	*14.88*	
		For 4' x 4' One Color Logo (Each), Add	*619.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0255		Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 13-0173)*		
32 31 13 13-0256	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	35.54	2.84
		For 11 Gauge, Deduct	*-5.26*	
		For 10 Gauge, Deduct	*-2.11*	
		For 7 Gauge, Add	*3.16*	
		For 6 Gauge, Add	*7.37*	
		For 1/2" Mesh Fabric, Deduct	*-1.32*	
		For 5/8" Mesh Fabric, Deduct	*-2.90*	
		For 3/4" Mesh Fabric, Deduct	*-4.21*	
32 31 13 13-0257	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	40.62	3.20
		For 11 Gauge, Deduct	*-6.14*	
		For 10 Gauge, Deduct	*-2.46*	
		For 7 Gauge, Add	*3.68*	
		For 6 Gauge, Add	*8.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.53*	
		For 5/8" Mesh Fabric, Deduct	*-3.38*	
		For 3/4" Mesh Fabric, Deduct	*-4.91*	
32 31 13 13-0258	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	45.76	3.54
		For 11 Gauge, Deduct	*-7.02*	
		For 10 Gauge, Deduct	*-2.81*	
		For 7 Gauge, Add	*4.21*	
		For 6 Gauge, Add	*9.83*	
		For 1/2" Mesh Fabric, Deduct	*-1.76*	
		For 5/8" Mesh Fabric, Deduct	*-3.86*	
		For 3/4" Mesh Fabric, Deduct	*-5.62*	
32 31 13 13-0259	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	55.22	4.26
		For 11 Gauge, Deduct	*-8.77*	
		For 10 Gauge, Deduct	*-3.51*	
		For 7 Gauge, Add	*5.26*	
		For 6 Gauge, Add	*12.28*	
		For 1/2" Mesh Fabric, Deduct	*-2.19*	
		For 5/8" Mesh Fabric, Deduct	*-4.83*	
		For 3/4" Mesh Fabric, Deduct	*-7.02*	
32 31 13 13-0260	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	64.79	4.96
		For 11 Gauge, Deduct	*-10.53*	
		For 10 Gauge, Deduct	*-4.21*	
		For 7 Gauge, Add	*6.32*	
		For 6 Gauge, Add	*14.74*	
		For 1/2" Mesh Fabric, Deduct	*-2.63*	
		For 5/8" Mesh Fabric, Deduct	*-5.79*	
		For 3/4" Mesh Fabric, Deduct	*-8.42*	
32 31 13 13-0261	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	74.51	5.68
		For 11 Gauge, Deduct	*-12.28*	
		For 10 Gauge, Deduct	*-4.91*	
		For 7 Gauge, Add	*7.37*	
		For 6 Gauge, Add	*17.19*	
		For 1/2" Mesh Fabric, Deduct	*-3.07*	
		For 5/8" Mesh Fabric, Deduct	*-6.76*	
		For 3/4" Mesh Fabric, Deduct	*-9.83*	
32 31 13 13-0262	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	84.38	7.09
		For 11 Gauge, Deduct	*-14.04*	
		For 10 Gauge, Deduct	*-5.62*	
		For 7 Gauge, Add	*8.42*	
		For 6 Gauge, Add	*19.65*	
		For 1/2" Mesh Fabric, Deduct	*-3.51*	
		For 5/8" Mesh Fabric, Deduct	*-7.72*	
		For 3/4" Mesh Fabric, Deduct	*-11.23*	
32 31 13 13-0263	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	93.02	7.45
		For 11 Gauge, Deduct	*-15.63*	
		For 10 Gauge, Deduct	*-6.25*	
		For 7 Gauge, Add	*9.38*	
		For 6 Gauge, Add	*21.88*	
		For 1/2" Mesh Fabric, Deduct	*-3.91*	
		For 5/8" Mesh Fabric, Deduct	*-8.59*	
		For 3/4" Mesh Fabric, Deduct	*-12.50*	
32 31 13 13-0264	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	101.71	7.80
		For 11 Gauge, Deduct	*-17.21*	
		For 10 Gauge, Deduct	*-6.88*	
		For 7 Gauge, Add	*10.33*	
		For 6 Gauge, Add	*24.10*	
		For 1/2" Mesh Fabric, Deduct	*-4.30*	
		For 5/8" Mesh Fabric, Deduct	*-9.47*	
		For 3/4" Mesh Fabric, Deduct	*-13.77*	
32 31 13 13-0265	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	110.33	8.51
		For 11 Gauge, Deduct	*-18.66*	
		For 10 Gauge, Deduct	*-7.46*	
		For 7 Gauge, Add	*11.20*	
		For 6 Gauge, Add	*26.12*	
		For 1/2" Mesh Fabric, Deduct	*-4.67*	
		For 5/8" Mesh Fabric, Deduct	*-10.26*	
		For 3/4" Mesh Fabric, Deduct	*-14.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0266		**Gates** *(32 31 13 13)* Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0267		**Galvanized Steel Without Barbed Wire** *(32 31 13 13-0266)* Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0268		**4' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0269	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	362.07	26.57
		For Gate With Single Barb Wire Arm, Add	*30.70*	
		For Gate With Double Barb Wire Arm, Add	*44.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.32*	
		For Aluminized Steel Gate And Post, Add	*133.95*	
		For Powder Coated Gate And Post, Add	*72.56*	
		For 1" Mesh Fabric, Add	*121.39*	
		For 1-1/4" Mesh Fabric, Add	*78.14*	
		For 1-3/4" Mesh Fabric, Add	*48.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.28*	
32 31 13 13-0270	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	455.09	27.67
		For Gate With Single Barb Wire Arm, Add	*40.93*	
		For Gate With Double Barb Wire Arm, Add	*59.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.77*	
		For Aluminized Steel Gate And Post, Add	*178.60*	
		For Powder Coated Gate And Post, Add	*96.74*	
		For 1" Mesh Fabric, Add	*161.85*	
		For 1-1/4" Mesh Fabric, Add	*104.18*	
		For 1-3/4" Mesh Fabric, Add	*64.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.37*	
32 31 13 13-0271	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	537.76	29.44
		For Gate With Single Barb Wire Arm, Add	*49.41*	
		For Gate With Double Barb Wire Arm, Add	*71.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.23*	
		For Aluminized Steel Gate And Post, Add	*215.62*	
		For Powder Coated Gate And Post, Add	*116.79*	
		For 1" Mesh Fabric, Add	*195.41*	
		For 1-1/4" Mesh Fabric, Add	*125.78*	
		For 1-3/4" Mesh Fabric, Add	*78.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.08*	
32 31 13 13-0272	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	632.62	35.42
		For Gate With Single Barb Wire Arm, Add	*57.90*	
		For Gate With Double Barb Wire Arm, Add	*84.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.69*	
		For Aluminized Steel Gate And Post, Add	*252.65*	
		For Powder Coated Gate And Post, Add	*136.85*	
		For 1" Mesh Fabric, Add	*228.96*	
		For 1-1/4" Mesh Fabric, Add	*147.38*	
		For 1-3/4" Mesh Fabric, Add	*91.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.79*	
32 31 13 13-0273	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	727.48	41.29
		For Gate With Single Barb Wire Arm, Add	*66.38*	
		For Gate With Double Barb Wire Arm, Add	*96.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.15*	
		For Aluminized Steel Gate And Post, Add	*289.68*	
		For Powder Coated Gate And Post, Add	*156.91*	
		For 1" Mesh Fabric, Add	*262.52*	
		For 1-1/4" Mesh Fabric, Add	*168.98*	
		For 1-3/4" Mesh Fabric, Add	*105.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.50*	
32 31 13 13-0274	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	825.49	47.16
		For Gate With Single Barb Wire Arm, Add	*75.22*	
		For Gate With Double Barb Wire Arm, Add	*109.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.21*	
		For Aluminized Steel Gate And Post, Add	*328.22*	
		For Powder Coated Gate And Post, Add	*177.79*	
		For 1" Mesh Fabric, Add	*297.45*	
		For 1-1/4" Mesh Fabric, Add	*191.46*	
		For 1-3/4" Mesh Fabric, Add	*118.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.49*	
32 31 13 13-0275	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	920.33	53.13
		For Gate With Single Barb Wire Arm, Add	*83.70*	
		For Gate With Double Barb Wire Arm, Add	*121.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.68*	
		For Aluminized Steel Gate And Post, Add	*365.25*	
		For Powder Coated Gate And Post, Add	*197.84*	
		For 1" Mesh Fabric, Add	*331.01*	
		For 1-1/4" Mesh Fabric, Add	*213.06*	
		For 1-3/4" Mesh Fabric, Add	*132.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0276	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,016.53	59.00
		For Gate With Single Barb Wire Arm, Add	*92.34*	
		For Gate With Double Barb Wire Arm, Add	*134.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-157.40*	
		For Aluminized Steel Gate And Post, Add	*402.93*	
		For Powder Coated Gate And Post, Add	*218.25*	
		For 1" Mesh Fabric, Add	*365.16*	
		For 1-1/4" Mesh Fabric, Add	*235.04*	
		For 1-3/4" Mesh Fabric, Add	*146.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.03*	
32 31 13 13-0277	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,293.32	59.00
		For Gate With Single Barb Wire Arm, Add	*122.78*	
		For Gate With Double Barb Wire Arm, Add	*178.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.29*	
		For Aluminized Steel Gate And Post, Add	*535.79*	
		For Powder Coated Gate And Post, Add	*290.22*	
		For 1" Mesh Fabric, Add	*485.56*	
		For 1-1/4" Mesh Fabric, Add	*312.54*	
		For 1-3/4" Mesh Fabric, Add	*194.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.11*	
32 31 13 13-0278	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,529.22	63.21
		For Gate With Single Barb Wire Arm, Add	*147.34*	
		For Gate With Double Barb Wire Arm, Add	*214.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.15*	
		For Aluminized Steel Gate And Post, Add	*642.95*	
		For Powder Coated Gate And Post, Add	*348.26*	
		For 1" Mesh Fabric, Add	*582.67*	
		For 1-1/4" Mesh Fabric, Add	*375.05*	
		For 1-3/4" Mesh Fabric, Add	*233.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.53*	
32 31 13 13-0279	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,767.07	68.07
		For Gate With Single Barb Wire Arm, Add	*171.90*	
		For Gate With Double Barb Wire Arm, Add	*250.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.01*	
		For Aluminized Steel Gate And Post, Add	*750.11*	
		For Powder Coated Gate And Post, Add	*406.31*	
		For 1" Mesh Fabric, Add	*679.78*	
		For 1-1/4" Mesh Fabric, Add	*437.56*	
		For 1-3/4" Mesh Fabric, Add	*271.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.96*	
32 31 13 13-0280	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,007.33	73.72
		For Gate With Single Barb Wire Arm, Add	*196.46*	
		For Gate With Double Barb Wire Arm, Add	*285.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.87*	
		For Aluminized Steel Gate And Post, Add	*857.26*	
		For Powder Coated Gate And Post, Add	*464.35*	
		For 1" Mesh Fabric, Add	*776.89*	
		For 1-1/4" Mesh Fabric, Add	*500.07*	
		For 1-3/4" Mesh Fabric, Add	*310.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.38*	
32 31 13 13-0281	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,293.02	94.45
		For Gate With Single Barb Wire Arm, Add	*221.01*	
		For Gate With Double Barb Wire Arm, Add	*321.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-376.73*	
		For Aluminized Steel Gate And Post, Add	*964.42*	
		For Powder Coated Gate And Post, Add	*522.39*	
		For 1" Mesh Fabric, Add	*874.00*	
		For 1-1/4" Mesh Fabric, Add	*562.58*	
		For 1-3/4" Mesh Fabric, Add	*349.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.80*	
32 31 13 13-0282	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,536.54	101.25
		For Gate With Single Barb Wire Arm, Add	*245.57*	
		For Gate With Double Barb Wire Arm, Add	*357.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.58*	
		For Aluminized Steel Gate And Post, Add	*1,071.58*	
		For Powder Coated Gate And Post, Add	*580.44*	
		For 1" Mesh Fabric, Add	*971.12*	
		For 1-1/4" Mesh Fabric, Add	*625.09*	
		For 1-3/4" Mesh Fabric, Add	*388.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.22*	
32 31 13 13-0283	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,777.73	109.09
		For Gate With Single Barb Wire Arm, Add	*269.53*	
		For Gate With Double Barb Wire Arm, Add	*392.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.12*	
		For Powder Coated Gate And Post, Add	*637.07*	
		For 1" Mesh Fabric, Add	*1,065.86*	
		For 1-1/4" Mesh Fabric, Add	*686.07*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0284	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,022.83	118.14
		For Gate With Single Barb Wire Arm, Add	*293.49*	
		For Gate With Double Barb Wire Arm, Add	*426.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.26*	
		For Aluminized Steel Gate And Post, Add	*1,280.66*	
		For Powder Coated Gate And Post, Add	*693.69*	
		For 1" Mesh Fabric, Add	*1,160.60*	
		For 1-1/4" Mesh Fabric, Add	*747.05*	
		For 1-3/4" Mesh Fabric, Add	*464.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
32 31 13 13-0285	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,272.88	128.92
		For Gate With Single Barb Wire Arm, Add	*317.44*	
		For Gate With Double Barb Wire Arm, Add	*461.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-541.10*	
		For Aluminized Steel Gate And Post, Add	*1,385.21*	
		For Powder Coated Gate And Post, Add	*750.32*	
		For 1" Mesh Fabric, Add	*1,255.34*	
		For 1-1/4" Mesh Fabric, Add	*808.04*	
		For 1-3/4" Mesh Fabric, Add	*502.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-251.07*	
32 31 13 13-0286	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,447.71	141.83
		For Gate With Single Barb Wire Arm, Add	*332.42*	
		For Gate With Double Barb Wire Arm, Add	*483.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-566.62*	
		For Aluminized Steel Gate And Post, Add	*1,450.55*	
		For Powder Coated Gate And Post, Add	*785.71*	
		For 1" Mesh Fabric, Add	*1,314.56*	
		For 1-1/4" Mesh Fabric, Add	*846.15*	
		For 1-3/4" Mesh Fabric, Add	*525.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.91*	
32 31 13 13-0287	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,821.71	157.52
		For Gate With Single Barb Wire Arm, Add	*368.35*	
		For Gate With Double Barb Wire Arm, Add	*535.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.88*	
		For Aluminized Steel Gate And Post, Add	*1,607.37*	
		For Powder Coated Gate And Post, Add	*870.66*	
		For 1" Mesh Fabric, Add	*1,456.68*	
		For 1-1/4" Mesh Fabric, Add	*937.63*	
		For 1-3/4" Mesh Fabric, Add	*582.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.34*	

32 31 13 13-0288 5' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0289	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	433.40	29.44
		For Gate With Single Barb Wire Arm, Add	*37.93*	
		For Gate With Double Barb Wire Arm, Add	*55.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.66*	
		For Aluminized Steel Gate And Post, Add	*165.53*	
		For Powder Coated Gate And Post, Add	*89.66*	
		For 1" Mesh Fabric, Add	*150.01*	
		For 1-1/4" Mesh Fabric, Add	*96.56*	
		For 1-3/4" Mesh Fabric, Add	*60.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.00*	
32 31 13 13-0290	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	546.84	29.44
		For Gate With Single Barb Wire Arm, Add	*50.41*	
		For Gate With Double Barb Wire Arm, Add	*73.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.93*	
		For Aluminized Steel Gate And Post, Add	*219.98*	
		For Powder Coated Gate And Post, Add	*119.16*	
		For 1" Mesh Fabric, Add	*199.36*	
		For 1-1/4" Mesh Fabric, Add	*128.32*	
		For 1-3/4" Mesh Fabric, Add	*79.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.87*	
32 31 13 13-0291	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	638.60	31.33
		For Gate With Single Barb Wire Arm, Add	*59.90*	
		For Gate With Double Barb Wire Arm, Add	*87.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.09*	
		For Aluminized Steel Gate And Post, Add	*261.36*	
		For Powder Coated Gate And Post, Add	*141.57*	
		For 1" Mesh Fabric, Add	*236.86*	
		For 1-1/4" Mesh Fabric, Add	*152.46*	
		For 1-3/4" Mesh Fabric, Add	*94.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.37*	
32 31 13 13-0292	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	748.17	37.63
		For Gate With Single Barb Wire Arm, Add	*69.88*	
		For Gate With Double Barb Wire Arm, Add	*101.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-119.11*	
		For Aluminized Steel Gate And Post, Add	*304.92*	
		For Powder Coated Gate And Post, Add	*165.17*	
		For 1" Mesh Fabric, Add	*276.33*	
		For 1-1/4" Mesh Fabric, Add	*177.87*	
		For 1-3/4" Mesh Fabric, Add	*110.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0293	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	848.64	43.83
		For Gate With Single Barb Wire Arm, Add	*78.86*	
		For Gate With Double Barb Wire Arm, Add	*114.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.42*	
		For Aluminized Steel Gate And Post, Add	*344.12*	
		For Powder Coated Gate And Post, Add	*186.40*	
		For 1" Mesh Fabric, Add	*311.86*	
		For 1-1/4" Mesh Fabric, Add	*200.74*	
		For 1-3/4" Mesh Fabric, Add	*124.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.37*	
32 31 13 13-0294	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	959.33	50.47
		For Gate With Single Barb Wire Arm, Add	*88.84*	
		For Gate With Double Barb Wire Arm, Add	*129.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.44*	
		For Aluminized Steel Gate And Post, Add	*387.69*	
		For Powder Coated Gate And Post, Add	*210.00*	
		For 1" Mesh Fabric, Add	*351.34*	
		For 1-1/4" Mesh Fabric, Add	*226.15*	
		For 1-3/4" Mesh Fabric, Add	*140.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.27*	
32 31 13 13-0295	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,064.35	56.78
		For Gate With Single Barb Wire Arm, Add	*98.33*	
		For Gate With Double Barb Wire Arm, Add	*143.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.60*	
		For Aluminized Steel Gate And Post, Add	*429.07*	
		For Powder Coated Gate And Post, Add	*232.41*	
		For 1" Mesh Fabric, Add	*388.84*	
		For 1-1/4" Mesh Fabric, Add	*250.29*	
		For 1-3/4" Mesh Fabric, Add	*155.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.77*	
32 31 13 13-0296	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,169.37	62.99
		For Gate With Single Barb Wire Arm, Add	*107.81*	
		For Gate With Double Barb Wire Arm, Add	*156.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.77*	
		For Aluminized Steel Gate And Post, Add	*470.45*	
		For Powder Coated Gate And Post, Add	*254.83*	
		For 1" Mesh Fabric, Add	*426.34*	
		For 1-1/4" Mesh Fabric, Add	*274.43*	
		For 1-3/4" Mesh Fabric, Add	*170.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.27*	
32 31 13 13-0297	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,572.78	63.21
		For Gate With Single Barb Wire Arm, Add	*152.13*	
		For Gate With Double Barb Wire Arm, Add	*221.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-259.32*	
		For Aluminized Steel Gate And Post, Add	*663.85*	
		For Powder Coated Gate And Post, Add	*359.59*	
		For 1" Mesh Fabric, Add	*601.62*	
		For 1-1/4" Mesh Fabric, Add	*387.25*	
		For 1-3/4" Mesh Fabric, Add	*240.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.32*	
32 31 13 13-0298	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,865.07	68.07
		For Gate With Single Barb Wire Arm, Add	*182.68*	
		For Gate With Double Barb Wire Arm, Add	*265.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-311.39*	
		For Aluminized Steel Gate And Post, Add	*797.15*	
		For Powder Coated Gate And Post, Add	*431.79*	
		For 1" Mesh Fabric, Add	*722.41*	
		For 1-1/4" Mesh Fabric, Add	*465.00*	
		For 1-3/4" Mesh Fabric, Add	*288.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.48*	
32 31 13 13-0299	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,159.79	73.72
		For Gate With Single Barb Wire Arm, Add	*213.23*	
		For Gate With Double Barb Wire Arm, Add	*310.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-363.45*	
		For Aluminized Steel Gate And Post, Add	*930.44*	
		For Powder Coated Gate And Post, Add	*503.99*	
		For 1" Mesh Fabric, Add	*843.21*	
		For 1-1/4" Mesh Fabric, Add	*542.76*	
		For 1-3/4" Mesh Fabric, Add	*337.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.64*	
32 31 13 13-0300	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,499.94	94.45
		For Gate With Single Barb Wire Arm, Add	*243.77*	
		For Gate With Double Barb Wire Arm, Add	*354.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-415.52*	
		For Aluminized Steel Gate And Post, Add	*1,063.74*	
		For Powder Coated Gate And Post, Add	*576.19*	
		For 1" Mesh Fabric, Add	*964.01*	
		For 1-1/4" Mesh Fabric, Add	*620.51*	
		For 1-3/4" Mesh Fabric, Add	*385.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-192.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0301	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,792.45	101.25
		For Gate With Single Barb Wire Arm, Add	*273.72*	
		For Gate With Double Barb Wire Arm, Add	*398.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-466.57*	
		For Aluminized Steel Gate And Post, Add	*1,194.41*	
		For Powder Coated Gate And Post, Add	*646.97*	
		For 1" Mesh Fabric, Add	*1,082.44*	
		For 1-1/4" Mesh Fabric, Add	*696.74*	
		For 1-3/4" Mesh Fabric, Add	*432.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.49*	
32 31 13 13-0302	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,098.98	109.09
		For Gate With Single Barb Wire Arm, Add	*304.87*	
		For Gate With Double Barb Wire Arm, Add	*443.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.66*	
		For Aluminized Steel Gate And Post, Add	*1,330.32*	
		For Powder Coated Gate And Post, Add	*720.59*	
		For 1" Mesh Fabric, Add	*1,205.60*	
		For 1-1/4" Mesh Fabric, Add	*776.02*	
		For 1-3/4" Mesh Fabric, Add	*482.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-241.12*	
32 31 13 13-0303	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,403.98	118.14
		For Gate With Single Barb Wire Arm, Add	*335.41*	
		For Gate With Double Barb Wire Arm, Add	*487.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-571.73*	
		For Aluminized Steel Gate And Post, Add	*1,463.62*	
		For Powder Coated Gate And Post, Add	*792.79*	
		For 1" Mesh Fabric, Add	*1,326.40*	
		For 1-1/4" Mesh Fabric, Add	*853.78*	
		For 1-3/4" Mesh Fabric, Add	*530.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.28*	
32 31 13 13-0304	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,708.48	128.92
		For Gate With Single Barb Wire Arm, Add	*365.36*	
		For Gate With Double Barb Wire Arm, Add	*531.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-622.77*	
		For Aluminized Steel Gate And Post, Add	*1,594.30*	
		For Powder Coated Gate And Post, Add	*863.58*	
		For 1" Mesh Fabric, Add	*1,444.83*	
		For 1-1/4" Mesh Fabric, Add	*930.01*	
		For 1-3/4" Mesh Fabric, Add	*577.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.97*	
32 31 13 13-0305	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,030.32	141.83
		For Gate With Single Barb Wire Arm, Add	*396.50*	
		For Gate With Double Barb Wire Arm, Add	*576.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-675.86*	
		For Aluminized Steel Gate And Post, Add	*1,730.20*	
		For Powder Coated Gate And Post, Add	*937.19*	
		For 1" Mesh Fabric, Add	*1,568.00*	
		For 1-1/4" Mesh Fabric, Add	*1,009.29*	
		For 1-3/4" Mesh Fabric, Add	*627.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-313.60*	
32 31 13 13-0306	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,351.88	157.52
		For Gate With Single Barb Wire Arm, Add	*426.67*	
		For Gate With Double Barb Wire Arm, Add	*620.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-727.28*	
		For Aluminized Steel Gate And Post, Add	*1,861.85*	
		For Powder Coated Gate And Post, Add	*1,008.50*	
		For 1" Mesh Fabric, Add	*1,687.30*	
		For 1-1/4" Mesh Fabric, Add	*1,086.08*	
		For 1-3/4" Mesh Fabric, Add	*674.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.46*	
32 31 13 13-0307	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,681.26	177.21
		For Gate With Single Barb Wire Arm, Add	*456.40*	
		For Gate With Double Barb Wire Arm, Add	*663.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-777.95*	
		For Aluminized Steel Gate And Post, Add	*1,991.56*	
		For Powder Coated Gate And Post, Add	*1,078.76*	
		For 1" Mesh Fabric, Add	*1,804.85*	
		For 1-1/4" Mesh Fabric, Add	*1,161.75*	
		For 1-3/4" Mesh Fabric, Add	*721.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.97*	

32 31 13 13-0308 6' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0309	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	464.69	31.55
		For Gate With Single Barb Wire Arm, Add	*40.68*	
		For Gate With Double Barb Wire Arm, Add	*59.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.34*	
		For Aluminized Steel Gate And Post, Add	*177.51*	
		For Powder Coated Gate And Post, Add	*96.15*	
		For 1" Mesh Fabric, Add	*160.87*	
		For 1-1/4" Mesh Fabric, Add	*103.55*	
		For 1-3/4" Mesh Fabric, Add	*64.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	587.20	31.55
		For Gate With Single Barb Wire Arm, Add	*54.16*	
		For Gate With Double Barb Wire Arm, Add	*78.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.31*	
		For Aluminized Steel Gate And Post, Add	*236.31*	
		For Powder Coated Gate And Post, Add	*128.00*	
		For 1" Mesh Fabric, Add	*214.16*	
		For 1-1/4" Mesh Fabric, Add	*137.85*	
		For 1-3/4" Mesh Fabric, Add	*85.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.83*	
32 31 13 13-0311	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	686.76	33.53
		For Gate With Single Barb Wire Arm, Add	*64.46*	
		For Gate With Double Barb Wire Arm, Add	*93.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.88*	
		For Aluminized Steel Gate And Post, Add	*281.29*	
		For Powder Coated Gate And Post, Add	*152.37*	
		For 1" Mesh Fabric, Add	*254.92*	
		For 1-1/4" Mesh Fabric, Add	*164.09*	
		For 1-3/4" Mesh Fabric, Add	*101.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.98*	
32 31 13 13-0312	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	797.85	40.51
		For Gate With Single Barb Wire Arm, Add	*74.37*	
		For Gate With Double Barb Wire Arm, Add	*108.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.77*	
		For Aluminized Steel Gate And Post, Add	*324.52*	
		For Powder Coated Gate And Post, Add	*175.78*	
		For 1" Mesh Fabric, Add	*294.10*	
		For 1-1/4" Mesh Fabric, Add	*189.31*	
		For 1-3/4" Mesh Fabric, Add	*117.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.82*	
32 31 13 13-0313	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	914.16	47.60
		For Gate With Single Barb Wire Arm, Add	*84.85*	
		For Gate With Double Barb Wire Arm, Add	*123.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.63*	
		For Aluminized Steel Gate And Post, Add	*370.26*	
		For Powder Coated Gate And Post, Add	*200.56*	
		For 1" Mesh Fabric, Add	*335.55*	
		For 1-1/4" Mesh Fabric, Add	*215.99*	
		For 1-3/4" Mesh Fabric, Add	*134.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.11*	
32 31 13 13-0314	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,024.83	54.24
		For Gate With Single Barb Wire Arm, Add	*94.83*	
		For Gate With Double Barb Wire Arm, Add	*137.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.65*	
		For Aluminized Steel Gate And Post, Add	*413.82*	
		For Powder Coated Gate And Post, Add	*224.15*	
		For 1" Mesh Fabric, Add	*375.02*	
		For 1-1/4" Mesh Fabric, Add	*241.39*	
		For 1-3/4" Mesh Fabric, Add	*150.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.00*	
32 31 13 13-0315	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,136.63	61.21
		For Gate With Single Barb Wire Arm, Add	*104.82*	
		For Gate With Double Barb Wire Arm, Add	*152.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-178.67*	
		For Aluminized Steel Gate And Post, Add	*457.38*	
		For Powder Coated Gate And Post, Add	*247.75*	
		For 1" Mesh Fabric, Add	*414.50*	
		For 1-1/4" Mesh Fabric, Add	*266.81*	
		For 1-3/4" Mesh Fabric, Add	*165.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.90*	
32 31 13 13-0316	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,207.56	68.19
		For Gate With Single Barb Wire Arm, Add	*110.31*	
		For Gate With Double Barb Wire Arm, Add	*160.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.02*	
		For Aluminized Steel Gate And Post, Add	*481.34*	
		For Powder Coated Gate And Post, Add	*260.73*	
		For 1" Mesh Fabric, Add	*436.21*	
		For 1-1/4" Mesh Fabric, Add	*280.78*	
		For 1-3/4" Mesh Fabric, Add	*174.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.24*	
32 31 13 13-0317	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,679.95	68.07
		For Gate With Single Barb Wire Arm, Add	*162.32*	
		For Gate With Double Barb Wire Arm, Add	*236.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-276.68*	
		For Aluminized Steel Gate And Post, Add	*708.29*	
		For Powder Coated Gate And Post, Add	*383.66*	
		For 1" Mesh Fabric, Add	*641.89*	
		For 1-1/4" Mesh Fabric, Add	*413.17*	
		For 1-3/4" Mesh Fabric, Add	*256.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0318	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,990.99	73.72
		For Gate With Single Barb Wire Arm, Add	*194.66*	
		For Gate With Double Barb Wire Arm, Add	*283.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.80*	
		For Aluminized Steel Gate And Post, Add	*849.42*	
		For Powder Coated Gate And Post, Add	*460.10*	
		For 1" Mesh Fabric, Add	*769.78*	
		For 1-1/4" Mesh Fabric, Add	*495.49*	
		For 1-3/4" Mesh Fabric, Add	*307.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.96*	
32 31 13 13-0319	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,373.19	101.25
		For Gate With Single Barb Wire Arm, Add	*227.60*	
		For Gate With Double Barb Wire Arm, Add	*331.06*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.96*	
		For Aluminized Steel Gate And Post, Add	*993.17*	
		For Powder Coated Gate And Post, Add	*537.97*	
		For 1" Mesh Fabric, Add	*900.06*	
		For 1-1/4" Mesh Fabric, Add	*579.35*	
		For 1-3/4" Mesh Fabric, Add	*360.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.01*	
32 31 13 13-0320	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,690.61	109.09
		For Gate With Single Barb Wire Arm, Add	*259.94*	
		For Gate With Double Barb Wire Arm, Add	*378.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-443.09*	
		For Aluminized Steel Gate And Post, Add	*1,134.30*	
		For Powder Coated Gate And Post, Add	*614.41*	
		For 1" Mesh Fabric, Add	*1,027.96*	
		For 1-1/4" Mesh Fabric, Add	*661.68*	
		For 1-3/4" Mesh Fabric, Add	*411.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-205.59*	
32 31 13 13-0321	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,017.38	118.14
		For Gate With Single Barb Wire Arm, Add	*292.89*	
		For Gate With Double Barb Wire Arm, Add	*426.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-499.24*	
		For Aluminized Steel Gate And Post, Add	*1,278.05*	
		For Powder Coated Gate And Post, Add	*692.28*	
		For 1" Mesh Fabric, Add	*1,158.23*	
		For 1-1/4" Mesh Fabric, Add	*745.53*	
		For 1-3/4" Mesh Fabric, Add	*463.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-231.65*	
32 31 13 13-0322	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,349.11	128.92
		For Gate With Single Barb Wire Arm, Add	*325.83*	
		For Gate With Double Barb Wire Arm, Add	*473.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-555.39*	
		For Aluminized Steel Gate And Post, Add	*1,421.80*	
		For Powder Coated Gate And Post, Add	*770.14*	
		For 1" Mesh Fabric, Add	*1,288.50*	
		For 1-1/4" Mesh Fabric, Add	*829.38*	
		For 1-3/4" Mesh Fabric, Add	*515.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.70*	
32 31 13 13-0323	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,681.84	141.83
		For Gate With Single Barb Wire Arm, Add	*358.17*	
		For Gate With Double Barb Wire Arm, Add	*520.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-610.52*	
		For Aluminized Steel Gate And Post, Add	*1,562.93*	
		For Powder Coated Gate And Post, Add	*846.59*	
		For 1" Mesh Fabric, Add	*1,416.41*	
		For 1-1/4" Mesh Fabric, Add	*911.71*	
		For 1-3/4" Mesh Fabric, Add	*566.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.28*	
32 31 13 13-0324	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,025.89	157.52
		For Gate With Single Barb Wire Arm, Add	*390.81*	
		For Gate With Double Barb Wire Arm, Add	*568.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-666.16*	
		For Aluminized Steel Gate And Post, Add	*1,705.37*	
		For Powder Coated Gate And Post, Add	*923.74*	
		For 1" Mesh Fabric, Add	*1,545.49*	
		For 1-1/4" Mesh Fabric, Add	*994.80*	
		For 1-3/4" Mesh Fabric, Add	*618.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-309.10*	
32 31 13 13-0325	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,378.52	177.21
		For Gate With Single Barb Wire Arm, Add	*423.10*	
		For Gate With Double Barb Wire Arm, Add	*615.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-721.19*	
		For Aluminized Steel Gate And Post, Add	*1,846.25*	
		For Powder Coated Gate And Post, Add	*1,000.05*	
		For 1" Mesh Fabric, Add	*1,673.16*	
		For 1-1/4" Mesh Fabric, Add	*1,076.98*	
		For 1-3/4" Mesh Fabric, Add	*669.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-334.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0326	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,751.82	202.48
		For Gate With Single Barb Wire Arm, Add	*455.80*	
		For Gate With Double Barb Wire Arm, Add	*662.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-776.93*	
		For Aluminized Steel Gate And Post, Add	*1,988.95*	
		For Powder Coated Gate And Post, Add	*1,077.35*	
		For 1" Mesh Fabric, Add	*1,802.48*	
		For 1-1/4" Mesh Fabric, Add	*1,160.22*	
		For 1-3/4" Mesh Fabric, Add	*720.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.50*	
32 31 13 13-0327	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,151.04	236.28
		For Gate With Single Barb Wire Arm, Add	*488.56*	
		For Gate With Double Barb Wire Arm, Add	*710.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-832.78*	
		For Aluminized Steel Gate And Post, Add	*2,131.92*	
		For Powder Coated Gate And Post, Add	*1,154.79*	
		For 1" Mesh Fabric, Add	*1,932.05*	
		For 1-1/4" Mesh Fabric, Add	*1,243.62*	
		For 1-3/4" Mesh Fabric, Add	*772.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.41*	
32 31 13 13-0328		**7' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0329	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	487.86	33.98
		For Gate With Single Barb Wire Arm, Add	*42.43*	
		For Gate With Double Barb Wire Arm, Add	*61.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.32*	
		For Aluminized Steel Gate And Post, Add	*185.13*	
		For Powder Coated Gate And Post, Add	*100.28*	
		For 1" Mesh Fabric, Add	*167.78*	
		For 1-1/4" Mesh Fabric, Add	*107.99*	
		For 1-3/4" Mesh Fabric, Add	*67.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.56*	
32 31 13 13-0330	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	614.91	33.98
		For Gate With Single Barb Wire Arm, Add	*56.40*	
		For Gate With Double Barb Wire Arm, Add	*82.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.14*	
		For Aluminized Steel Gate And Post, Add	*246.12*	
		For Powder Coated Gate And Post, Add	*133.31*	
		For 1" Mesh Fabric, Add	*223.04*	
		For 1-1/4" Mesh Fabric, Add	*143.57*	
		For 1-3/4" Mesh Fabric, Add	*89.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.61*	
32 31 13 13-0331	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	723.02	35.75
		For Gate With Single Barb Wire Arm, Add	*67.72*	
		For Gate With Double Barb Wire Arm, Add	*98.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.43*	
		For Aluminized Steel Gate And Post, Add	*295.51*	
		For Powder Coated Gate And Post, Add	*160.07*	
		For 1" Mesh Fabric, Add	*267.81*	
		For 1-1/4" Mesh Fabric, Add	*172.38*	
		For 1-3/4" Mesh Fabric, Add	*107.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.56*	
32 31 13 13-0332	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	886.01	43.50
		For Gate With Single Barb Wire Arm, Add	*83.09*	
		For Gate With Double Barb Wire Arm, Add	*120.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.64*	
		For Aluminized Steel Gate And Post, Add	*362.59*	
		For Powder Coated Gate And Post, Add	*196.40*	
		For 1" Mesh Fabric, Add	*328.60*	
		For 1-1/4" Mesh Fabric, Add	*211.51*	
		For 1-3/4" Mesh Fabric, Add	*131.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.72*	
32 31 13 13-0333	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,047.95	50.91
		For Gate With Single Barb Wire Arm, Add	*98.47*	
		For Gate With Double Barb Wire Arm, Add	*143.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.85*	
		For Aluminized Steel Gate And Post, Add	*429.70*	
		For Powder Coated Gate And Post, Add	*232.75*	
		For 1" Mesh Fabric, Add	*389.41*	
		For 1-1/4" Mesh Fabric, Add	*250.66*	
		For 1-3/4" Mesh Fabric, Add	*155.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.88*	
32 31 13 13-0334	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,210.96	58.55
		For Gate With Single Barb Wire Arm, Add	*113.85*	
		For Gate With Double Barb Wire Arm, Add	*165.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.06*	
		For Aluminized Steel Gate And Post, Add	*496.78*	
		For Powder Coated Gate And Post, Add	*269.09*	
		For 1" Mesh Fabric, Add	*450.21*	
		For 1-1/4" Mesh Fabric, Add	*289.79*	
		For 1-3/4" Mesh Fabric, Add	*180.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0335	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,372.88	65.97
		For Gate With Single Barb Wire Arm, Add	*129.22*	
		For Gate With Double Barb Wire Arm, Add	*187.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-220.27*	
		For Aluminized Steel Gate And Post, Add	*563.88*	
		For Powder Coated Gate And Post, Add	*305.44*	
		For 1" Mesh Fabric, Add	*511.02*	
		For 1-1/4" Mesh Fabric, Add	*328.93*	
		For 1-3/4" Mesh Fabric, Add	*204.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.20*	
32 31 13 13-0336	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,510.70	73.72
		For Gate With Single Barb Wire Arm, Add	*141.83*	
		For Gate With Double Barb Wire Arm, Add	*206.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.75*	
		For Aluminized Steel Gate And Post, Add	*618.88*	
		For Powder Coated Gate And Post, Add	*335.23*	
		For 1" Mesh Fabric, Add	*560.86*	
		For 1-1/4" Mesh Fabric, Add	*361.01*	
		For 1-3/4" Mesh Fabric, Add	*224.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.17*	
32 31 13 13-0337	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,913.78	73.72
		For Gate With Single Barb Wire Arm, Add	*186.17*	
		For Gate With Double Barb Wire Arm, Add	*270.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.33*	
		For Aluminized Steel Gate And Post, Add	*812.36*	
		For Powder Coated Gate And Post, Add	*440.03*	
		For 1" Mesh Fabric, Add	*736.20*	
		For 1-1/4" Mesh Fabric, Add	*473.87*	
		For 1-3/4" Mesh Fabric, Add	*294.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-147.24*	
32 31 13 13-0338	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,185.91	101.25
		For Gate With Single Barb Wire Arm, Add	*207.00*	
		For Gate With Double Barb Wire Arm, Add	*301.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.84*	
		For Aluminized Steel Gate And Post, Add	*903.27*	
		For Powder Coated Gate And Post, Add	*489.27*	
		For 1" Mesh Fabric, Add	*818.59*	
		For 1-1/4" Mesh Fabric, Add	*526.91*	
		For 1-3/4" Mesh Fabric, Add	*327.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.72*	
32 31 13 13-0339	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,522.94	109.09
		For Gate With Single Barb Wire Arm, Add	*241.50*	
		For Gate With Double Barb Wire Arm, Add	*351.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-411.65*	
		For Aluminized Steel Gate And Post, Add	*1,053.82*	
		For Powder Coated Gate And Post, Add	*570.82*	
		For 1" Mesh Fabric, Add	*955.03*	
		For 1-1/4" Mesh Fabric, Add	*614.73*	
		For 1-3/4" Mesh Fabric, Add	*382.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-191.01*	
32 31 13 13-0340	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,837.70	118.14
		For Gate With Single Barb Wire Arm, Add	*273.12*	
		For Gate With Double Barb Wire Arm, Add	*397.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.55*	
		For Aluminized Steel Gate And Post, Add	*1,191.80*	
		For Powder Coated Gate And Post, Add	*645.56*	
		For 1" Mesh Fabric, Add	*1,080.07*	
		For 1-1/4" Mesh Fabric, Add	*695.22*	
		For 1-3/4" Mesh Fabric, Add	*432.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.01*	
32 31 13 13-0341	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,185.76	128.92
		For Gate With Single Barb Wire Arm, Add	*307.86*	
		For Gate With Double Barb Wire Arm, Add	*447.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.76*	
		For Aluminized Steel Gate And Post, Add	*1,343.39*	
		For Powder Coated Gate And Post, Add	*727.67*	
		For 1" Mesh Fabric, Add	*1,217.45*	
		For 1-1/4" Mesh Fabric, Add	*783.64*	
		For 1-3/4" Mesh Fabric, Add	*486.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.49*	
32 31 13 13-0342	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,534.83	141.83
		For Gate With Single Barb Wire Arm, Add	*342.00*	
		For Gate With Double Barb Wire Arm, Add	*497.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-582.96*	
		For Aluminized Steel Gate And Post, Add	*1,492.37*	
		For Powder Coated Gate And Post, Add	*808.37*	
		For 1" Mesh Fabric, Add	*1,352.46*	
		For 1-1/4" Mesh Fabric, Add	*870.55*	
		For 1-3/4" Mesh Fabric, Add	*540.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0343	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,892.49	157.52
		For Gate With Single Barb Wire Arm, Add	*376.14*	
		For Gate With Double Barb Wire Arm, Add	*547.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-641.15*	
		For Aluminized Steel Gate And Post, Add	*1,641.34*	
		For Powder Coated Gate And Post, Add	*889.06*	
		For 1" Mesh Fabric, Add	*1,487.47*	
		For 1-1/4" Mesh Fabric, Add	*957.45*	
		For 1-3/4" Mesh Fabric, Add	*594.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.49*	
32 31 13 13-0344	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,261.99	177.21
		For Gate With Single Barb Wire Arm, Add	*410.28*	
		For Gate With Double Barb Wire Arm, Add	*596.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-699.34*	
		For Aluminized Steel Gate And Post, Add	*1,790.31*	
		For Powder Coated Gate And Post, Add	*969.75*	
		For 1" Mesh Fabric, Add	*1,622.47*	
		For 1-1/4" Mesh Fabric, Add	*1,044.35*	
		For 1-3/4" Mesh Fabric, Add	*648.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.49*	
32 31 13 13-0345	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,648.37	202.48
		For Gate With Single Barb Wire Arm, Add	*444.42*	
		For Gate With Double Barb Wire Arm, Add	*646.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-757.54*	
		For Aluminized Steel Gate And Post, Add	*1,939.29*	
		For Powder Coated Gate And Post, Add	*1,050.45*	
		For 1" Mesh Fabric, Add	*1,757.48*	
		For 1-1/4" Mesh Fabric, Add	*1,131.25*	
		For 1-3/4" Mesh Fabric, Add	*702.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.50*	
32 31 13 13-0346	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,060.11	236.28
		For Gate With Single Barb Wire Arm, Add	*478.56*	
		For Gate With Double Barb Wire Arm, Add	*696.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.73*	
		For Aluminized Steel Gate And Post, Add	*2,088.27*	
		For Powder Coated Gate And Post, Add	*1,131.15*	
		For 1" Mesh Fabric, Add	*1,892.49*	
		For 1-1/4" Mesh Fabric, Add	*1,218.16*	
		For 1-3/4" Mesh Fabric, Add	*757.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.50*	
32 31 13 13-0347	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,512.38	283.51
		For Gate With Single Barb Wire Arm, Add	*512.70*	
		For Gate With Double Barb Wire Arm, Add	*745.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-873.92*	
		For Aluminized Steel Gate And Post, Add	*2,237.24*	
		For Powder Coated Gate And Post, Add	*1,211.84*	
		For 1" Mesh Fabric, Add	*2,027.50*	
		For 1-1/4" Mesh Fabric, Add	*1,305.06*	
		For 1-3/4" Mesh Fabric, Add	*811.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-405.50*	
32 31 13 13-0348		**8' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0349	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	571.31	36.86
		For Gate With Single Barb Wire Arm, Add	*50.67*	
		For Gate With Double Barb Wire Arm, Add	*73.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.37*	
		For Aluminized Steel Gate And Post, Add	*221.10*	
		For Powder Coated Gate And Post, Add	*119.76*	
		For 1" Mesh Fabric, Add	*200.37*	
		For 1-1/4" Mesh Fabric, Add	*128.97*	
		For 1-3/4" Mesh Fabric, Add	*80.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.07*	
32 31 13 13-0350	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	724.86	36.86
		For Gate With Single Barb Wire Arm, Add	*67.56*	
		For Gate With Double Barb Wire Arm, Add	*98.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.16*	
		For Aluminized Steel Gate And Post, Add	*294.80*	
		For Powder Coated Gate And Post, Add	*159.68*	
		For 1" Mesh Fabric, Add	*267.16*	
		For 1-1/4" Mesh Fabric, Add	*171.97*	
		For 1-3/4" Mesh Fabric, Add	*106.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.43*	
32 31 13 13-0351	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	845.74	41.07
		For Gate With Single Barb Wire Arm, Add	*79.46*	
		For Gate With Double Barb Wire Arm, Add	*115.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.44*	
		For Aluminized Steel Gate And Post, Add	*346.71*	
		For Powder Coated Gate And Post, Add	*187.80*	
		For 1" Mesh Fabric, Add	*314.21*	
		For 1-1/4" Mesh Fabric, Add	*202.25*	
		For 1-3/4" Mesh Fabric, Add	*125.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0352	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	969.96	46.49
		For Gate With Single Barb Wire Arm, Add	*91.36*	
		For Gate With Double Barb Wire Arm, Add	*132.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.72*	
		For Aluminized Steel Gate And Post, Add	*398.64*	
		For Powder Coated Gate And Post, Add	*215.93*	
		For 1" Mesh Fabric, Add	*361.27*	
		For 1-1/4" Mesh Fabric, Add	*232.54*	
		For 1-3/4" Mesh Fabric, Add	*144.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.25*	
32 31 13 13-0353	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,106.91	56.01
		For Gate With Single Barb Wire Arm, Add	*103.25*	
		For Gate With Double Barb Wire Arm, Add	*150.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.00*	
		For Aluminized Steel Gate And Post, Add	*450.56*	
		For Powder Coated Gate And Post, Add	*244.05*	
		For 1" Mesh Fabric, Add	*408.32*	
		For 1-1/4" Mesh Fabric, Add	*262.83*	
		For 1-3/4" Mesh Fabric, Add	*163.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.66*	
32 31 13 13-0354	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,242.77	65.19
		For Gate With Single Barb Wire Arm, Add	*115.15*	
		For Gate With Double Barb Wire Arm, Add	*167.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-196.28*	
		For Aluminized Steel Gate And Post, Add	*502.49*	
		For Powder Coated Gate And Post, Add	*272.18*	
		For 1" Mesh Fabric, Add	*455.38*	
		For 1-1/4" Mesh Fabric, Add	*293.12*	
		For 1-3/4" Mesh Fabric, Add	*182.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.08*	
32 31 13 13-0355	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,379.72	74.83
		For Gate With Single Barb Wire Arm, Add	*127.05*	
		For Gate With Double Barb Wire Arm, Add	*184.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-216.57*	
		For Aluminized Steel Gate And Post, Add	*554.41*	
		For Powder Coated Gate And Post, Add	*300.31*	
		For 1" Mesh Fabric, Add	*502.43*	
		For 1-1/4" Mesh Fabric, Add	*323.41*	
		For 1-3/4" Mesh Fabric, Add	*200.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-100.49*	
32 31 13 13-0356	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,516.65	84.46
		For Gate With Single Barb Wire Arm, Add	*138.95*	
		For Gate With Double Barb Wire Arm, Add	*202.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.85*	
		For Aluminized Steel Gate And Post, Add	*606.33*	
		For Powder Coated Gate And Post, Add	*328.43*	
		For 1" Mesh Fabric, Add	*549.49*	
		For 1-1/4" Mesh Fabric, Add	*353.69*	
		For 1-3/4" Mesh Fabric, Add	*219.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.90*	
32 31 13 13-0357	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,198.91	101.25
		For Gate With Single Barb Wire Arm, Add	*208.43*	
		For Gate With Double Barb Wire Arm, Add	*303.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.28*	
		For Aluminized Steel Gate And Post, Add	*909.51*	
		For Powder Coated Gate And Post, Add	*492.65*	
		For 1" Mesh Fabric, Add	*824.25*	
		For 1-1/4" Mesh Fabric, Add	*530.55*	
		For 1-3/4" Mesh Fabric, Add	*329.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-164.85*	
32 31 13 13-0358	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,587.16	109.09
		For Gate With Single Barb Wire Arm, Add	*248.56*	
		For Gate With Double Barb Wire Arm, Add	*361.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-423.69*	
		For Aluminized Steel Gate And Post, Add	*1,084.65*	
		For Powder Coated Gate And Post, Add	*587.52*	
		For 1" Mesh Fabric, Add	*982.96*	
		For 1-1/4" Mesh Fabric, Add	*632.71*	
		For 1-3/4" Mesh Fabric, Add	*393.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.59*	
32 31 13 13-0359	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,984.72	118.14
		For Gate With Single Barb Wire Arm, Add	*289.29*	
		For Gate With Double Barb Wire Arm, Add	*420.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-493.11*	
		For Aluminized Steel Gate And Post, Add	*1,262.37*	
		For Powder Coated Gate And Post, Add	*683.78*	
		For 1" Mesh Fabric, Add	*1,144.02*	
		For 1-1/4" Mesh Fabric, Add	*736.38*	
		For 1-3/4" Mesh Fabric, Add	*457.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-228.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0360	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,398.11	128.92
		For Gate With Single Barb Wire Arm, Add	*331.22*	
		For Gate With Double Barb Wire Arm, Add	*481.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.58*	
		For Aluminized Steel Gate And Post, Add	*1,445.32*	
		For Powder Coated Gate And Post, Add	*782.88*	
		For 1" Mesh Fabric, Add	*1,309.82*	
		For 1-1/4" Mesh Fabric, Add	*843.10*	
		For 1-3/4" Mesh Fabric, Add	*523.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.96*	
32 31 13 13-0361	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,817.97	141.83
		For Gate With Single Barb Wire Arm, Add	*373.15*	
		For Gate With Double Barb Wire Arm, Add	*542.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-636.05*	
		For Aluminized Steel Gate And Post, Add	*1,628.28*	
		For Powder Coated Gate And Post, Add	*881.98*	
		For 1" Mesh Fabric, Add	*1,475.62*	
		For 1-1/4" Mesh Fabric, Add	*949.83*	
		For 1-3/4" Mesh Fabric, Add	*590.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-295.12*	
32 31 13 13-0362	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,240.97	157.52
		For Gate With Single Barb Wire Arm, Add	*414.47*	
		For Gate With Double Barb Wire Arm, Add	*602.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.49*	
		For Aluminized Steel Gate And Post, Add	*1,808.61*	
		For Powder Coated Gate And Post, Add	*979.66*	
		For 1" Mesh Fabric, Add	*1,639.05*	
		For 1-1/4" Mesh Fabric, Add	*1,055.02*	
		For 1-3/4" Mesh Fabric, Add	*655.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.81*	
32 31 13 13-0363	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,670.37	177.21
		For Gate With Single Barb Wire Arm, Add	*455.20*	
		For Gate With Double Barb Wire Arm, Add	*662.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-775.91*	
		For Aluminized Steel Gate And Post, Add	*1,986.34*	
		For Powder Coated Gate And Post, Add	*1,075.93*	
		For 1" Mesh Fabric, Add	*1,800.12*	
		For 1-1/4" Mesh Fabric, Add	*1,158.70*	
		For 1-3/4" Mesh Fabric, Add	*720.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.02*	
32 31 13 13-0364	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,127.53	202.48
		For Gate With Single Barb Wire Arm, Add	*497.13*	
		For Gate With Double Barb Wire Arm, Add	*723.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-847.38*	
		For Aluminized Steel Gate And Post, Add	*2,169.29*	
		For Powder Coated Gate And Post, Add	*1,175.03*	
		For 1" Mesh Fabric, Add	*1,965.92*	
		For 1-1/4" Mesh Fabric, Add	*1,265.42*	
		For 1-3/4" Mesh Fabric, Add	*786.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-393.18*	
32 31 13 13-0365	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,610.05	236.28
		For Gate With Single Barb Wire Arm, Add	*539.06*	
		For Gate With Double Barb Wire Arm, Add	*784.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-918.84*	
		For Aluminized Steel Gate And Post, Add	*2,352.24*	
		For Powder Coated Gate And Post, Add	*1,274.13*	
		For 1" Mesh Fabric, Add	*2,131.72*	
		For 1-1/4" Mesh Fabric, Add	*1,372.14*	
		For 1-3/4" Mesh Fabric, Add	*852.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-426.34*	
32 31 13 13-0366	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,127.66	283.51
		For Gate With Single Barb Wire Arm, Add	*580.38*	
		For Gate With Double Barb Wire Arm, Add	*844.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-989.29*	
		For Aluminized Steel Gate And Post, Add	*2,532.58*	
		For Powder Coated Gate And Post, Add	*1,371.81*	
		For 1" Mesh Fabric, Add	*2,295.15*	
		For 1-1/4" Mesh Fabric, Add	*1,477.34*	
		For 1-3/4" Mesh Fabric, Add	*918.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-459.03*	
32 31 13 13-0367	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,716.23	354.42
		For Gate With Single Barb Wire Arm, Add	*621.71*	
		For Gate With Double Barb Wire Arm, Add	*904.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,059.73*	
		For Aluminized Steel Gate And Post, Add	*2,712.92*	
		For Powder Coated Gate And Post, Add	*1,469.50*	
		For 1" Mesh Fabric, Add	*2,458.58*	
		For 1-1/4" Mesh Fabric, Add	*1,582.53*	
		For 1-3/4" Mesh Fabric, Add	*983.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-491.72*	

32 31 13 13-0368 10' Fence Height *(32 31 13 13-0267)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0369	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	718.63	40.95
		For Gate With Single Barb Wire Arm, Add	*65.52*	
		For Gate With Double Barb Wire Arm, Add	*95.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.68*	
		For Aluminized Steel Gate And Post, Add	*285.91*	
		For Powder Coated Gate And Post, Add	*154.87*	
		For 1" Mesh Fabric, Add	*259.11*	
		For 1-1/4" Mesh Fabric, Add	*166.78*	
		For 1-3/4" Mesh Fabric, Add	*103.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.82*	
32 31 13 13-0370	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	917.17	40.95
		For Gate With Single Barb Wire Arm, Add	*87.36*	
		For Gate With Double Barb Wire Arm, Add	*127.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.91*	
		For Aluminized Steel Gate And Post, Add	*381.21*	
		For Powder Coated Gate And Post, Add	*206.49*	
		For 1" Mesh Fabric, Add	*345.47*	
		For 1-1/4" Mesh Fabric, Add	*222.37*	
		For 1-3/4" Mesh Fabric, Add	*138.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.09*	
32 31 13 13-0371	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,062.48	42.73
		For Gate With Single Barb Wire Arm, Add	*102.75*	
		For Gate With Double Barb Wire Arm, Add	*149.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.14*	
		For Aluminized Steel Gate And Post, Add	*448.36*	
		For Powder Coated Gate And Post, Add	*242.86*	
		For 1" Mesh Fabric, Add	*406.33*	
		For 1-1/4" Mesh Fabric, Add	*261.55*	
		For 1-3/4" Mesh Fabric, Add	*162.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.27*	
32 31 13 13-0372	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,233.37	53.13
		For Gate With Single Barb Wire Arm, Add	*118.14*	
		For Gate With Double Barb Wire Arm, Add	*171.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.37*	
		For Aluminized Steel Gate And Post, Add	*515.51*	
		For Powder Coated Gate And Post, Add	*279.23*	
		For 1" Mesh Fabric, Add	*467.18*	
		For 1-1/4" Mesh Fabric, Add	*300.71*	
		For 1-3/4" Mesh Fabric, Add	*186.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.44*	
32 31 13 13-0373	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,403.58	62.99
		For Gate With Single Barb Wire Arm, Add	*133.52*	
		For Gate With Double Barb Wire Arm, Add	*194.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.59*	
		For Aluminized Steel Gate And Post, Add	*582.64*	
		For Powder Coated Gate And Post, Add	*315.60*	
		For 1" Mesh Fabric, Add	*528.02*	
		For 1-1/4" Mesh Fabric, Add	*339.87*	
		For 1-3/4" Mesh Fabric, Add	*211.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.60*	
32 31 13 13-0374	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,573.98	73.39
		For Gate With Single Barb Wire Arm, Add	*148.91*	
		For Gate With Double Barb Wire Arm, Add	*216.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.82*	
		For Aluminized Steel Gate And Post, Add	*649.79*	
		For Powder Coated Gate And Post, Add	*351.97*	
		For 1" Mesh Fabric, Add	*588.87*	
		For 1-1/4" Mesh Fabric, Add	*379.04*	
		For 1-3/4" Mesh Fabric, Add	*235.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.77*	
32 31 13 13-0375	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,743.75	83.35
		For Gate With Single Barb Wire Arm, Add	*164.30*	
		For Gate With Double Barb Wire Arm, Add	*238.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.05*	
		For Aluminized Steel Gate And Post, Add	*716.93*	
		For Powder Coated Gate And Post, Add	*388.34*	
		For 1" Mesh Fabric, Add	*649.72*	
		For 1-1/4" Mesh Fabric, Add	*418.21*	
		For 1-3/4" Mesh Fabric, Add	*259.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.94*	
32 31 13 13-0376	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,914.65	93.64
		For Gate With Single Barb Wire Arm, Add	*179.69*	
		For Gate With Double Barb Wire Arm, Add	*261.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.28*	
		For Aluminized Steel Gate And Post, Add	*784.08*	
		For Powder Coated Gate And Post, Add	*424.71*	
		For 1" Mesh Fabric, Add	*710.57*	
		For 1-1/4" Mesh Fabric, Add	*457.38*	
		For 1-3/4" Mesh Fabric, Add	*284.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0377	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,788.12	112.55
		For Gate With Single Barb Wire Arm, Add	*269.53*	
		For Gate With Double Barb Wire Arm, Add	*392.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.11*	
		For Powder Coated Gate And Post, Add	*637.06*	
		For 1" Mesh Fabric, Add	*1,065.85*	
		For 1-1/4" Mesh Fabric, Add	*686.06*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	
32 31 13 13-0378	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,031.84	121.07
		For Gate With Single Barb Wire Arm, Add	*293.49*	
		For Gate With Double Barb Wire Arm, Add	*426.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.27*	
		For Aluminized Steel Gate And Post, Add	*1,280.68*	
		For Powder Coated Gate And Post, Add	*693.70*	
		For 1" Mesh Fabric, Add	*1,160.62*	
		For 1-1/4" Mesh Fabric, Add	*747.07*	
		For 1-3/4" Mesh Fabric, Add	*464.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
32 31 13 13-0379	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,454.28	131.31
		For Gate With Single Barb Wire Arm, Add	*336.61*	
		For Gate With Double Barb Wire Arm, Add	*489.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-573.77*	
		For Aluminized Steel Gate And Post, Add	*1,468.84*	
		For Powder Coated Gate And Post, Add	*795.62*	
		For 1" Mesh Fabric, Add	*1,331.14*	
		For 1-1/4" Mesh Fabric, Add	*856.83*	
		For 1-3/4" Mesh Fabric, Add	*532.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-266.23*	
32 31 13 13-0380	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,925.55	143.16
		For Gate With Single Barb Wire Arm, Add	*384.53*	
		For Gate With Double Barb Wire Arm, Add	*559.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.44*	
		For Aluminized Steel Gate And Post, Add	*1,677.93*	
		For Powder Coated Gate And Post, Add	*908.88*	
		For 1" Mesh Fabric, Add	*1,520.63*	
		For 1-1/4" Mesh Fabric, Add	*978.79*	
		For 1-3/4" Mesh Fabric, Add	*608.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.13*	
32 31 13 13-0381	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,404.32	157.52
		For Gate With Single Barb Wire Arm, Add	*432.44*	
		For Gate With Double Barb Wire Arm, Add	*629.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-737.12*	
		For Aluminized Steel Gate And Post, Add	*1,887.02*	
		For Powder Coated Gate And Post, Add	*1,022.14*	
		For 1" Mesh Fabric, Add	*1,710.11*	
		For 1-1/4" Mesh Fabric, Add	*1,100.76*	
		For 1-3/4" Mesh Fabric, Add	*684.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.02*	
32 31 13 13-0382	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,894.94	174.95
		For Gate With Single Barb Wire Arm, Add	*480.66*	
		For Gate With Double Barb Wire Arm, Add	*699.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-819.30*	
		For Aluminized Steel Gate And Post, Add	*2,097.41*	
		For Powder Coated Gate And Post, Add	*1,136.10*	
		For 1" Mesh Fabric, Add	*1,900.78*	
		For 1-1/4" Mesh Fabric, Add	*1,223.49*	
		For 1-3/4" Mesh Fabric, Add	*760.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-380.16*	
32 31 13 13-0383	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,399.23	196.90
		For Gate With Single Barb Wire Arm, Add	*528.87*	
		For Gate With Double Barb Wire Arm, Add	*769.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-901.49*	
		For Aluminized Steel Gate And Post, Add	*2,307.81*	
		For Powder Coated Gate And Post, Add	*1,250.06*	
		For 1" Mesh Fabric, Add	*2,091.45*	
		For 1-1/4" Mesh Fabric, Add	*1,346.22*	
		For 1-3/4" Mesh Fabric, Add	*836.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-418.29*	
32 31 13 13-0384	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,918.88	224.84
		For Gate With Single Barb Wire Arm, Add	*576.79*	
		For Gate With Double Barb Wire Arm, Add	*838.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0385	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,467.53	262.49
		For Gate With Single Barb Wire Arm, Add	*624.71*	
		For Gate With Double Barb Wire Arm, Add	*908.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,064.84*	
		For Aluminized Steel Gate And Post, Add	*2,725.99*	
		For Powder Coated Gate And Post, Add	*1,476.58*	
		For 1" Mesh Fabric, Add	*2,470.43*	
		For 1-1/4" Mesh Fabric, Add	*1,590.16*	
		For 1-3/4" Mesh Fabric, Add	*988.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-494.09*	
32 31 13 13-0386	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,059.96	314.78
		For Gate With Single Barb Wire Arm, Add	*672.62*	
		For Gate With Double Barb Wire Arm, Add	*978.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,146.51*	
		For Aluminized Steel Gate And Post, Add	*2,935.08*	
		For Powder Coated Gate And Post, Add	*1,589.83*	
		For 1" Mesh Fabric, Add	*2,659.91*	
		For 1-1/4" Mesh Fabric, Add	*1,712.13*	
		For 1-3/4" Mesh Fabric, Add	*1,063.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-531.98*	
32 31 13 13-0387	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,738.36	393.80
		For Gate With Single Barb Wire Arm, Add	*721.14*	
		For Gate With Double Barb Wire Arm, Add	*1,048.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,229.21*	
		For Aluminized Steel Gate And Post, Add	*3,146.77*	
		For Powder Coated Gate And Post, Add	*1,704.50*	
		For 1" Mesh Fabric, Add	*2,851.76*	
		For 1-1/4" Mesh Fabric, Add	*1,835.62*	
		For 1-3/4" Mesh Fabric, Add	*1,140.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-570.35*	

32 31 13 13-0388 12' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0389	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	899.08	45.49
		For Gate With Single Barb Wire Arm, Add	*83.87*	
		For Gate With Double Barb Wire Arm, Add	*121.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.96*	
		For Aluminized Steel Gate And Post, Add	*365.97*	
		For Powder Coated Gate And Post, Add	*198.23*	
		For 1" Mesh Fabric, Add	*331.66*	
		For 1-1/4" Mesh Fabric, Add	*213.48*	
		For 1-3/4" Mesh Fabric, Add	*132.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.33*	
32 31 13 13-0390	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,153.21	45.49
		For Gate With Single Barb Wire Arm, Add	*111.82*	
		For Gate With Double Barb Wire Arm, Add	*162.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.61*	
		For Aluminized Steel Gate And Post, Add	*487.95*	
		For Powder Coated Gate And Post, Add	*264.31*	
		For 1" Mesh Fabric, Add	*442.20*	
		For 1-1/4" Mesh Fabric, Add	*284.64*	
		For 1-3/4" Mesh Fabric, Add	*176.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.44*	
32 31 13 13-0391	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,337.31	47.16
		For Gate With Single Barb Wire Arm, Add	*131.52*	
		For Gate With Double Barb Wire Arm, Add	*191.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.18*	
		For Aluminized Steel Gate And Post, Add	*573.90*	
		For Powder Coated Gate And Post, Add	*310.86*	
		For 1" Mesh Fabric, Add	*520.10*	
		For 1-1/4" Mesh Fabric, Add	*334.78*	
		For 1-3/4" Mesh Fabric, Add	*208.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.02*	
32 31 13 13-0392	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,550.68	58.55
		For Gate With Single Barb Wire Arm, Add	*151.21*	
		For Gate With Double Barb Wire Arm, Add	*219.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.75*	
		For Aluminized Steel Gate And Post, Add	*659.85*	
		For Powder Coated Gate And Post, Add	*357.42*	
		For 1" Mesh Fabric, Add	*597.99*	
		For 1-1/4" Mesh Fabric, Add	*384.91*	
		For 1-3/4" Mesh Fabric, Add	*239.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.60*	
32 31 13 13-0393	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	720.88	70.07
		For Gate With Single Barb Wire Arm, Add	*56.16*	
		For Gate With Double Barb Wire Arm, Add	*81.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.73*	
		For Aluminized Steel Gate And Post, Add	*245.07*	
		For Powder Coated Gate And Post, Add	*132.75*	
		For 1" Mesh Fabric, Add	*222.10*	
		For 1-1/4" Mesh Fabric, Add	*142.96*	
		For 1-3/4" Mesh Fabric, Add	*88.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	812.93	81.14
		For Gate With Single Barb Wire Arm, Add	*62.64*	
		For Gate With Double Barb Wire Arm, Add	*91.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.76*	
		For Aluminized Steel Gate And Post, Add	*273.32*	
		For Powder Coated Gate And Post, Add	*148.05*	
		For 1" Mesh Fabric, Add	*247.69*	
		For 1-1/4" Mesh Fabric, Add	*159.43*	
		For 1-3/4" Mesh Fabric, Add	*99.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.54*	
32 31 13 13-0395	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	906.08	92.53
		For Gate With Single Barb Wire Arm, Add	*69.11*	
		For Gate With Double Barb Wire Arm, Add	*100.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-117.80*	
		For Aluminized Steel Gate And Post, Add	*301.56*	
		For Powder Coated Gate And Post, Add	*163.35*	
		For 1" Mesh Fabric, Add	*273.29*	
		For 1-1/4" Mesh Fabric, Add	*175.91*	
		For 1-3/4" Mesh Fabric, Add	*109.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.66*	
32 31 13 13-0396	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	999.23	103.94
		For Gate With Single Barb Wire Arm, Add	*75.58*	
		For Gate With Double Barb Wire Arm, Add	*109.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.83*	
		For Aluminized Steel Gate And Post, Add	*329.80*	
		For Powder Coated Gate And Post, Add	*178.64*	
		For 1" Mesh Fabric, Add	*298.88*	
		For 1-1/4" Mesh Fabric, Add	*192.38*	
		For 1-3/4" Mesh Fabric, Add	*119.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.78*	
32 31 13 13-0397	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,332.71	125.06
		For Gate With Single Barb Wire Arm, Add	*105.30*	
		For Gate With Double Barb Wire Arm, Add	*153.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.49*	
		For Aluminized Steel Gate And Post, Add	*459.50*	
		For Powder Coated Gate And Post, Add	*248.90*	
		For 1" Mesh Fabric, Add	*416.42*	
		For 1-1/4" Mesh Fabric, Add	*268.04*	
		For 1-3/4" Mesh Fabric, Add	*166.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.28*	
32 31 13 13-0398	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,456.19	134.64
		For Gate With Single Barb Wire Arm, Add	*115.73*	
		For Gate With Double Barb Wire Arm, Add	*168.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.27*	
		For Aluminized Steel Gate And Post, Add	*505.02*	
		For Powder Coated Gate And Post, Add	*273.55*	
		For 1" Mesh Fabric, Add	*457.67*	
		For 1-1/4" Mesh Fabric, Add	*294.59*	
		For 1-3/4" Mesh Fabric, Add	*183.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.53*	
32 31 13 13-0399	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,644.00	145.81
		For Gate With Single Barb Wire Arm, Add	*132.66*	
		For Gate With Double Barb Wire Arm, Add	*192.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.13*	
		For Aluminized Steel Gate And Post, Add	*578.88*	
		For Powder Coated Gate And Post, Add	*313.56*	
		For 1" Mesh Fabric, Add	*524.61*	
		For 1-1/4" Mesh Fabric, Add	*337.68*	
		For 1-3/4" Mesh Fabric, Add	*209.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.92*	
32 31 13 13-0400	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,855.48	158.99
		For Gate With Single Barb Wire Arm, Add	*151.56*	
		For Gate With Double Barb Wire Arm, Add	*220.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.33*	
		For Aluminized Steel Gate And Post, Add	*661.33*	
		For Powder Coated Gate And Post, Add	*358.22*	
		For 1" Mesh Fabric, Add	*599.33*	
		For 1-1/4" Mesh Fabric, Add	*385.78*	
		For 1-3/4" Mesh Fabric, Add	*239.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.87*	
32 31 13 13-0401	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,240.70	175.09
		For Gate With Single Barb Wire Arm, Add	*518.69*	
		For Gate With Double Barb Wire Arm, Add	*754.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-884.13*	
		For Aluminized Steel Gate And Post, Add	*2,263.38*	
		For Powder Coated Gate And Post, Add	*1,226.00*	
		For 1" Mesh Fabric, Add	*2,051.19*	
		For 1-1/4" Mesh Fabric, Add	*1,320.30*	
		For 1-3/4" Mesh Fabric, Add	*820.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-410.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0402	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,827.05	194.37
		For Gate With Single Barb Wire Arm, Add	*576.79*	
		For Gate With Double Barb Wire Arm, Add	*838.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	
32 31 13 13-0403	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,423.25	218.72
		For Gate With Single Barb Wire Arm, Add	*634.29*	
		For Gate With Double Barb Wire Arm, Add	*922.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,081.17*	
		For Aluminized Steel Gate And Post, Add	*2,767.80*	
		For Powder Coated Gate And Post, Add	*1,499.23*	
		For 1" Mesh Fabric, Add	*2,508.32*	
		For 1-1/4" Mesh Fabric, Add	*1,614.55*	
		For 1-3/4" Mesh Fabric, Add	*1,003.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-501.66*	
32 31 13 13-0404	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,044.79	249.85
		For Gate With Single Barb Wire Arm, Add	*692.39*	
		For Gate With Double Barb Wire Arm, Add	*1,007.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,180.20*	
		For Aluminized Steel Gate And Post, Add	*3,021.32*	
		For Powder Coated Gate And Post, Add	*1,636.55*	
		For 1" Mesh Fabric, Add	*2,738.07*	
		For 1-1/4" Mesh Fabric, Add	*1,762.44*	
		For 1-3/4" Mesh Fabric, Add	*1,095.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-547.61*	
32 31 13 13-0405	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,687.69	291.76
		For Gate With Single Barb Wire Arm, Add	*749.29*	
		For Gate With Double Barb Wire Arm, Add	*1,089.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,277.19*	
		For Aluminized Steel Gate And Post, Add	*3,269.62*	
		For Powder Coated Gate And Post, Add	*1,771.04*	
		For 1" Mesh Fabric, Add	*2,963.09*	
		For 1-1/4" Mesh Fabric, Add	*1,907.28*	
		For 1-3/4" Mesh Fabric, Add	*1,185.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-592.62*	
32 31 13 13-0406	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,384.67	349.76
		For Gate With Single Barb Wire Arm, Add	*806.79*	
		For Gate With Double Barb Wire Arm, Add	*1,173.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,375.20*	
		For Aluminized Steel Gate And Post, Add	*3,520.52*	
		For Powder Coated Gate And Post, Add	*1,906.95*	
		For 1" Mesh Fabric, Add	*3,190.47*	
		For 1-1/4" Mesh Fabric, Add	*2,053.64*	
		For 1-3/4" Mesh Fabric, Add	*1,276.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-638.09*	
32 31 13 13-0407	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,176.56	437.57
		For Gate With Single Barb Wire Arm, Add	*864.88*	
		For Gate With Double Barb Wire Arm, Add	*1,258.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,474.23*	
		For Aluminized Steel Gate And Post, Add	*3,774.04*	
		For Powder Coated Gate And Post, Add	*2,044.27*	
		For 1" Mesh Fabric, Add	*3,420.22*	
		For 1-1/4" Mesh Fabric, Add	*2,201.52*	
		For 1-3/4" Mesh Fabric, Add	*1,368.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-684.04*	

32 31 13 13-0408 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0266)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0409 4' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0410	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	202.41	27.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.39*	
		For 1" Mesh Fabric, Add	*51.94*	
		For 1-1/4" Mesh Fabric, Add	*33.43*	
		For 1-3/4" Mesh Fabric, Add	*20.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.39*	
		For Gate With Single Barb Wire Arm, Add	*13.13*	
		For Gate With Double Barb Wire Arm, Add	*19.10*	
32 31 13 13-0411	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	242.21	27.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.85*	
		For 1" Mesh Fabric, Add	*69.25*	
		For 1-1/4" Mesh Fabric, Add	*44.58*	
		For 1-3/4" Mesh Fabric, Add	*27.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.85*	
		For Gate With Single Barb Wire Arm, Add	*17.51*	
		For Gate With Double Barb Wire Arm, Add	*25.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0412	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	280.92	29.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.07*	
		For 1" Mesh Fabric, Add	*83.68*	
		For 1-1/4" Mesh Fabric, Add	*53.86*	
		For 1-3/4" Mesh Fabric, Add	*33.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.74*	
		For Gate With Single Barb Wire Arm, Add	*21.16*	
		For Gate With Double Barb Wire Arm, Add	*30.78*	
32 31 13 13-0413	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	331.79	35.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.29*	
		For 1" Mesh Fabric, Add	*98.11*	
		For 1-1/4" Mesh Fabric, Add	*63.15*	
		For 1-3/4" Mesh Fabric, Add	*39.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.62*	
		For Gate With Single Barb Wire Arm, Add	*24.81*	
		For Gate With Double Barb Wire Arm, Add	*36.08*	
32 31 13 13-0414	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	382.66	41.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.50*	
		For 1" Mesh Fabric, Add	*112.53*	
		For 1-1/4" Mesh Fabric, Add	*72.43*	
		For 1-3/4" Mesh Fabric, Add	*45.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.51*	
		For Gate With Single Barb Wire Arm, Add	*28.46*	
		For Gate With Double Barb Wire Arm, Add	*41.39*	
32 31 13 13-0415	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	433.55	47.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.73*	
		For 1" Mesh Fabric, Add	*126.96*	
		For 1-1/4" Mesh Fabric, Add	*81.72*	
		For 1-3/4" Mesh Fabric, Add	*50.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.39*	
		For Gate With Single Barb Wire Arm, Add	*32.11*	
		For Gate With Double Barb Wire Arm, Add	*46.70*	
32 31 13 13-0416	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	484.42	53.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-60.94*	
		For 1" Mesh Fabric, Add	*141.39*	
		For 1-1/4" Mesh Fabric, Add	*91.01*	
		For 1-3/4" Mesh Fabric, Add	*56.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.28*	
		For Gate With Single Barb Wire Arm, Add	*35.75*	
		For Gate With Double Barb Wire Arm, Add	*52.00*	
32 31 13 13-0417	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	535.29	59.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.16*	
		For 1" Mesh Fabric, Add	*155.81*	
		For 1-1/4" Mesh Fabric, Add	*100.29*	
		For 1-3/4" Mesh Fabric, Add	*62.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.16*	
		For Gate With Single Barb Wire Arm, Add	*39.40*	
		For Gate With Double Barb Wire Arm, Add	*57.31*	
32 31 13 13-0418	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	654.69	59.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.55*	
		For 1" Mesh Fabric, Add	*207.75*	
		For 1-1/4" Mesh Fabric, Add	*133.73*	
		For 1-3/4" Mesh Fabric, Add	*83.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.55*	
		For Gate With Single Barb Wire Arm, Add	*52.53*	
		For Gate With Double Barb Wire Arm, Add	*76.41*	
32 31 13 13-0419	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	762.86	63.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.46*	
		For 1" Mesh Fabric, Add	*249.30*	
		For 1-1/4" Mesh Fabric, Add	*160.47*	
		For 1-3/4" Mesh Fabric, Add	*99.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.86*	
		For Gate With Single Barb Wire Arm, Add	*63.04*	
		For Gate With Double Barb Wire Arm, Add	*91.70*	
32 31 13 13-0420	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	872.98	68.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-125.37*	
		For 1" Mesh Fabric, Add	*290.85*	
		For 1-1/4" Mesh Fabric, Add	*187.22*	
		For 1-3/4" Mesh Fabric, Add	*116.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.17*	
		For Gate With Single Barb Wire Arm, Add	*73.55*	
		For Gate With Double Barb Wire Arm, Add	*106.98*	
32 31 13 13-0421	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	985.52	73.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.28*	
		For 1" Mesh Fabric, Add	*332.41*	
		For 1-1/4" Mesh Fabric, Add	*213.96*	
		For 1-3/4" Mesh Fabric, Add	*132.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	
		For Gate With Single Barb Wire Arm, Add	*84.06*	
		For Gate With Double Barb Wire Arm, Add	*122.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0422	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,143.49	94.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.19*	
		For 1" Mesh Fabric, Add	*373.96*	
		For 1-1/4" Mesh Fabric, Add	*240.71*	
		For 1-3/4" Mesh Fabric, Add	*149.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.79*	
		For Gate With Single Barb Wire Arm, Add	*94.56*	
		For Gate With Double Barb Wire Arm, Add	*137.55*	
32 31 13 13-0423	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,259.27	101.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.10*	
		For 1" Mesh Fabric, Add	*415.50*	
		For 1-1/4" Mesh Fabric, Add	*267.45*	
		For 1-3/4" Mesh Fabric, Add	*166.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.10*	
		For Gate With Single Barb Wire Arm, Add	*105.07*	
		For Gate With Double Barb Wire Arm, Add	*152.83*	
32 31 13 13-0424	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,378.18	109.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.01*	
		For 1" Mesh Fabric, Add	*457.05*	
		For 1-1/4" Mesh Fabric, Add	*294.20*	
		For 1-3/4" Mesh Fabric, Add	*182.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.41*	
		For Gate With Single Barb Wire Arm, Add	*115.58*	
		For Gate With Double Barb Wire Arm, Add	*168.11*	
32 31 13 13-0425	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,501.00	118.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.92*	
		For 1" Mesh Fabric, Add	*498.61*	
		For 1-1/4" Mesh Fabric, Add	*320.94*	
		For 1-3/4" Mesh Fabric, Add	*199.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.72*	
		For Gate With Single Barb Wire Arm, Add	*126.08*	
		For Gate With Double Barb Wire Arm, Add	*183.40*	
32 31 13 13-0426	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,628.77	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-232.83*	
		For 1" Mesh Fabric, Add	*540.16*	
		For 1-1/4" Mesh Fabric, Add	*347.69*	
		For 1-3/4" Mesh Fabric, Add	*216.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.03*	
		For Gate With Single Barb Wire Arm, Add	*136.59*	
		For Gate With Double Barb Wire Arm, Add	*198.68*	
32 31 13 13-0427	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,762.99	141.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.74*	
		For 1" Mesh Fabric, Add	*581.71*	
		For 1-1/4" Mesh Fabric, Add	*374.43*	
		For 1-3/4" Mesh Fabric, Add	*232.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.34*	
		For Gate With Single Barb Wire Arm, Add	*147.10*	
		For Gate With Double Barb Wire Arm, Add	*213.96*	
32 31 13 13-0428	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,905.81	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-268.65*	
		For 1" Mesh Fabric, Add	*623.26*	
		For 1-1/4" Mesh Fabric, Add	*401.18*	
		For 1-3/4" Mesh Fabric, Add	*249.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.65*	
		For Gate With Single Barb Wire Arm, Add	*157.61*	
		For Gate With Double Barb Wire Arm, Add	*229.24*	

32 31 13 13-0429 5' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0430	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	236.50	29.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.74*	
		For 1" Mesh Fabric, Add	*64.36*	
		For 1-1/4" Mesh Fabric, Add	*41.43*	
		For 1-3/4" Mesh Fabric, Add	*25.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.87*	
		For Gate With Single Barb Wire Arm, Add	*16.27*	
		For Gate With Double Barb Wire Arm, Add	*23.67*	
32 31 13 13-0431	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	285.82	29.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.99*	
		For 1" Mesh Fabric, Add	*85.81*	
		For 1-1/4" Mesh Fabric, Add	*55.24*	
		For 1-3/4" Mesh Fabric, Add	*34.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.16*	
		For Gate With Single Barb Wire Arm, Add	*21.70*	
		For Gate With Double Barb Wire Arm, Add	*31.56*	
32 31 13 13-0432	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	328.35	31.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.93*	
		For 1" Mesh Fabric, Add	*101.91*	
		For 1-1/4" Mesh Fabric, Add	*65.60*	
		For 1-3/4" Mesh Fabric, Add	*40.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.38*	
		For Gate With Single Barb Wire Arm, Add	*25.77*	
		For Gate With Double Barb Wire Arm, Add	*37.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0433	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	384.14	37.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.86*	
		For 1" Mesh Fabric, Add	*117.99*	
		For 1-1/4" Mesh Fabric, Add	*75.95*	
		For 1-3/4" Mesh Fabric, Add	*47.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.60*	
		For Gate With Single Barb Wire Arm, Add	*29.84*	
		For Gate With Double Barb Wire Arm, Add	*43.40*	
32 31 13 13-0434	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	439.96	43.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.80*	
		For 1" Mesh Fabric, Add	*134.08*	
		For 1-1/4" Mesh Fabric, Add	*86.31*	
		For 1-3/4" Mesh Fabric, Add	*53.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.82*	
		For Gate With Single Barb Wire Arm, Add	*33.91*	
		For Gate With Double Barb Wire Arm, Add	*49.32*	
32 31 13 13-0435	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	496.86	50.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.73*	
		For 1" Mesh Fabric, Add	*150.17*	
		For 1-1/4" Mesh Fabric, Add	*96.66*	
		For 1-3/4" Mesh Fabric, Add	*60.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.03*	
		For Gate With Single Barb Wire Arm, Add	*37.97*	
		For Gate With Double Barb Wire Arm, Add	*55.24*	
32 31 13 13-0436	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	552.67	56.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.66*	
		For 1" Mesh Fabric, Add	*166.26*	
		For 1-1/4" Mesh Fabric, Add	*107.02*	
		For 1-3/4" Mesh Fabric, Add	*66.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.25*	
		For Gate With Single Barb Wire Arm, Add	*42.04*	
		For Gate With Double Barb Wire Arm, Add	*61.15*	
32 31 13 13-0437	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	608.46	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.60*	
		For 1" Mesh Fabric, Add	*182.35*	
		For 1-1/4" Mesh Fabric, Add	*117.37*	
		For 1-3/4" Mesh Fabric, Add	*72.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.47*	
		For Gate With Single Barb Wire Arm, Add	*46.11*	
		For Gate With Double Barb Wire Arm, Add	*67.07*	
32 31 13 13-0438	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	781.55	63.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.96*	
		For 1" Mesh Fabric, Add	*257.43*	
		For 1-1/4" Mesh Fabric, Add	*165.70*	
		For 1-3/4" Mesh Fabric, Add	*102.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.49*	
		For Gate With Single Barb Wire Arm, Add	*65.10*	
		For Gate With Double Barb Wire Arm, Add	*94.69*	
32 31 13 13-0439	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	914.51	68.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-133.16*	
		For 1" Mesh Fabric, Add	*308.92*	
		For 1-1/4" Mesh Fabric, Add	*198.84*	
		For 1-3/4" Mesh Fabric, Add	*123.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.78*	
		For Gate With Single Barb Wire Arm, Add	*78.12*	
		For Gate With Double Barb Wire Arm, Add	*113.63*	
32 31 13 13-0440	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,049.89	73.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.35*	
		For 1" Mesh Fabric, Add	*360.41*	
		For 1-1/4" Mesh Fabric, Add	*231.99*	
		For 1-3/4" Mesh Fabric, Add	*144.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.08*	
		For Gate With Single Barb Wire Arm, Add	*91.14*	
		For Gate With Double Barb Wire Arm, Add	*132.56*	
32 31 13 13-0441	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,230.70	94.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.54*	
		For 1" Mesh Fabric, Add	*411.89*	
		For 1-1/4" Mesh Fabric, Add	*265.13*	
		For 1-3/4" Mesh Fabric, Add	*164.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.38*	
		For Gate With Single Barb Wire Arm, Add	*104.16*	
		For Gate With Double Barb Wire Arm, Add	*151.50*	
32 31 13 13-0442	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,369.33	101.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.73*	
		For 1" Mesh Fabric, Add	*463.38*	
		For 1-1/4" Mesh Fabric, Add	*298.27*	
		For 1-3/4" Mesh Fabric, Add	*185.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.68*	
		For Gate With Single Barb Wire Arm, Add	*117.18*	
		For Gate With Double Barb Wire Arm, Add	*170.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0443	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,511.08	109.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.93*	
		For 1" Mesh Fabric, Add	*514.87*	
		For 1-1/4" Mesh Fabric, Add	*331.41*	
		For 1-3/4" Mesh Fabric, Add	*205.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.97*	
		For Gate With Single Barb Wire Arm, Add	*130.20*	
		For Gate With Double Barb Wire Arm, Add	*189.38*	
32 31 13 13-0444	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,656.74	118.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.12*	
		For 1" Mesh Fabric, Add	*566.35*	
		For 1-1/4" Mesh Fabric, Add	*364.55*	
		For 1-3/4" Mesh Fabric, Add	*226.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.27*	
		For Gate With Single Barb Wire Arm, Add	*143.22*	
		For Gate With Double Barb Wire Arm, Add	*208.31*	
32 31 13 13-0445	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,807.35	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.31*	
		For 1" Mesh Fabric, Add	*617.84*	
		For 1-1/4" Mesh Fabric, Add	*397.69*	
		For 1-3/4" Mesh Fabric, Add	*247.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.57*	
		For Gate With Single Barb Wire Arm, Add	*156.24*	
		For Gate With Double Barb Wire Arm, Add	*227.25*	
32 31 13 13-0446	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,964.41	141.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.50*	
		For 1" Mesh Fabric, Add	*669.33*	
		For 1-1/4" Mesh Fabric, Add	*430.83*	
		For 1-3/4" Mesh Fabric, Add	*267.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.87*	
		For Gate With Single Barb Wire Arm, Add	*169.25*	
		For Gate With Double Barb Wire Arm, Add	*246.19*	
32 31 13 13-0447	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,130.07	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.70*	
		For 1" Mesh Fabric, Add	*720.81*	
		For 1-1/4" Mesh Fabric, Add	*463.97*	
		For 1-3/4" Mesh Fabric, Add	*288.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.16*	
		For Gate With Single Barb Wire Arm, Add	*182.27*	
		For Gate With Double Barb Wire Arm, Add	*265.13*	
32 31 13 13-0448	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,307.57	177.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.89*	
		For 1" Mesh Fabric, Add	*772.30*	
		For 1-1/4" Mesh Fabric, Add	*497.11*	
		For 1-3/4" Mesh Fabric, Add	*308.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.46*	
		For Gate With Single Barb Wire Arm, Add	*195.29*	
		For Gate With Double Barb Wire Arm, Add	*284.06*	
32 31 13 13-0449		**6' Fence Height** *(32 31 13 13-0408)*		
32 31 13 13-0450	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	253.00	31.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.65*	
		For 1" Mesh Fabric, Add	*68.78*	
		For 1-1/4" Mesh Fabric, Add	*44.27*	
		For 1-3/4" Mesh Fabric, Add	*27.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.76*	
		For Gate With Single Barb Wire Arm, Add	*17.39*	
		For Gate With Double Barb Wire Arm, Add	*25.30*	
32 31 13 13-0451	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	305.70	31.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.53*	
		For 1" Mesh Fabric, Add	*91.71*	
		For 1-1/4" Mesh Fabric, Add	*59.03*	
		For 1-3/4" Mesh Fabric, Add	*36.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.34*	
		For Gate With Single Barb Wire Arm, Add	*23.19*	
		For Gate With Double Barb Wire Arm, Add	*33.73*	
32 31 13 13-0452	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	351.09	33.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.94*	
		For 1" Mesh Fabric, Add	*108.91*	
		For 1-1/4" Mesh Fabric, Add	*70.10*	
		For 1-3/4" Mesh Fabric, Add	*43.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For Gate With Single Barb Wire Arm, Add	*27.54*	
		For Gate With Double Barb Wire Arm, Add	*40.06*	
32 31 13 13-0453	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	411.64	40.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.35*	
		For 1" Mesh Fabric, Add	*126.10*	
		For 1-1/4" Mesh Fabric, Add	*81.17*	
		For 1-3/4" Mesh Fabric, Add	*50.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.22*	
		For Gate With Single Barb Wire Arm, Add	*31.89*	
		For Gate With Double Barb Wire Arm, Add	*46.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0454	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	472.20	47.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.76*	
		For 1" Mesh Fabric, Add	*143.29*	
		For 1-1/4" Mesh Fabric, Add	*92.23*	
		For 1-3/4" Mesh Fabric, Add	*57.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.66*	
		For Gate With Single Barb Wire Arm, Add	*36.24*	
		For Gate With Double Barb Wire Arm, Add	*52.71*	
32 31 13 13-0455	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	531.65	54.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.18*	
		For 1" Mesh Fabric, Add	*160.49*	
		For 1-1/4" Mesh Fabric, Add	*103.30*	
		For 1-3/4" Mesh Fabric, Add	*64.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.10*	
		For Gate With Single Barb Wire Arm, Add	*40.58*	
		For Gate With Double Barb Wire Arm, Add	*59.03*	
32 31 13 13-0456	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	592.22	61.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.59*	
		For 1" Mesh Fabric, Add	*177.68*	
		For 1-1/4" Mesh Fabric, Add	*114.37*	
		For 1-3/4" Mesh Fabric, Add	*71.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.54*	
		For Gate With Single Barb Wire Arm, Add	*44.93*	
		For Gate With Double Barb Wire Arm, Add	*65.36*	
32 31 13 13-0457	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	652.78	68.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.00*	
		For 1" Mesh Fabric, Add	*194.88*	
		For 1-1/4" Mesh Fabric, Add	*125.44*	
		For 1-3/4" Mesh Fabric, Add	*77.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.98*	
		For Gate With Single Barb Wire Arm, Add	*49.28*	
		For Gate With Double Barb Wire Arm, Add	*71.68*	
32 31 13 13-0458	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	836.82	68.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.59*	
		For 1" Mesh Fabric, Add	*275.12*	
		For 1-1/4" Mesh Fabric, Add	*177.09*	
		For 1-3/4" Mesh Fabric, Add	*110.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.02*	
		For Gate With Single Barb Wire Arm, Add	*69.57*	
		For Gate With Double Barb Wire Arm, Add	*101.20*	
32 31 13 13-0459	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	980.33	73.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.31*	
		For 1" Mesh Fabric, Add	*330.15*	
		For 1-1/4" Mesh Fabric, Add	*212.51*	
		For 1-3/4" Mesh Fabric, Add	*132.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.03*	
		For Gate With Single Barb Wire Arm, Add	*83.49*	
		For Gate With Double Barb Wire Arm, Add	*121.43*	
32 31 13 13-0460	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,189.54	101.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.02*	
		For 1" Mesh Fabric, Add	*385.17*	
		For 1-1/4" Mesh Fabric, Add	*247.93*	
		For 1-3/4" Mesh Fabric, Add	*154.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.03*	
		For Gate With Single Barb Wire Arm, Add	*97.40*	
		For Gate With Double Barb Wire Arm, Add	*141.67*	
32 31 13 13-0461	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,339.43	109.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.74*	
		For 1" Mesh Fabric, Add	*440.20*	
		For 1-1/4" Mesh Fabric, Add	*283.35*	
		For 1-3/4" Mesh Fabric, Add	*176.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.04*	
		For Gate With Single Barb Wire Arm, Add	*111.31*	
		For Gate With Double Barb Wire Arm, Add	*161.91*	
32 31 13 13-0462	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,493.22	118.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-213.46*	
		For 1" Mesh Fabric, Add	*495.22*	
		For 1-1/4" Mesh Fabric, Add	*318.76*	
		For 1-3/4" Mesh Fabric, Add	*198.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.04*	
		For Gate With Single Barb Wire Arm, Add	*125.23*	
		For Gate With Double Barb Wire Arm, Add	*182.15*	
32 31 13 13-0463	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,675.34	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.56*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.73*	
		For 1-3/4" Mesh Fabric, Add	*224.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For Gate With Single Barb Wire Arm, Add	*141.71*	
		For Gate With Double Barb Wire Arm, Add	*206.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0464	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,821.40	141.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-261.69*	
		For 1" Mesh Fabric, Add	*607.12*	
		For 1-1/4" Mesh Fabric, Add	*390.79*	
		For 1-3/4" Mesh Fabric, Add	*242.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.42*	
		For Gate With Single Barb Wire Arm, Add	*153.52*	
		For Gate With Double Barb Wire Arm, Add	*223.31*	
32 31 13 13-0465	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,990.95	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.61*	
		For 1" Mesh Fabric, Add	*660.30*	
		For 1-1/4" Mesh Fabric, Add	*425.02*	
		For 1-3/4" Mesh Fabric, Add	*264.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.06*	
		For Gate With Single Barb Wire Arm, Add	*166.97*	
		For Gate With Double Barb Wire Arm, Add	*242.87*	
32 31 13 13-0466	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,176.58	177.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.33*	
		For 1" Mesh Fabric, Add	*715.32*	
		For 1-1/4" Mesh Fabric, Add	*460.43*	
		For 1-3/4" Mesh Fabric, Add	*286.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-143.06*	
		For Gate With Single Barb Wire Arm, Add	*180.89*	
		For Gate With Double Barb Wire Arm, Add	*263.11*	
32 31 13 13-0467	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,379.09	202.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.05*	
		For 1" Mesh Fabric, Add	*770.35*	
		For 1-1/4" Mesh Fabric, Add	*495.85*	
		For 1-3/4" Mesh Fabric, Add	*308.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.07*	
		For Gate With Single Barb Wire Arm, Add	*194.80*	
		For Gate With Double Barb Wire Arm, Add	*283.35*	
32 31 13 13-0468	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,606.95	236.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.76*	
		For 1" Mesh Fabric, Add	*825.37*	
		For 1-1/4" Mesh Fabric, Add	*531.27*	
		For 1-3/4" Mesh Fabric, Add	*330.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.07*	
		For Gate With Single Barb Wire Arm, Add	*208.71*	
		For Gate With Double Barb Wire Arm, Add	*303.58*	
32 31 13 13-0469		**7' Fence Height** *(32 31 13 13-0408)*		
32 31 13 13-0470	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	268.24	33.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.14*	
		For 1" Mesh Fabric, Add	*72.24*	
		For 1-1/4" Mesh Fabric, Add	*46.50*	
		For 1-3/4" Mesh Fabric, Add	*28.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.45*	
		For Gate With Single Barb Wire Arm, Add	*18.27*	
		For Gate With Double Barb Wire Arm, Add	*26.57*	
32 31 13 13-0471	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	323.61	33.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.52*	
		For 1" Mesh Fabric, Add	*96.33*	
		For 1-1/4" Mesh Fabric, Add	*62.00*	
		For 1-3/4" Mesh Fabric, Add	*38.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.27*	
		For Gate With Single Barb Wire Arm, Add	*24.36*	
		For Gate With Double Barb Wire Arm, Add	*35.43*	
32 31 13 13-0472	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	370.34	35.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.31*	
		For 1" Mesh Fabric, Add	*114.39*	
		For 1-1/4" Mesh Fabric, Add	*73.63*	
		For 1-3/4" Mesh Fabric, Add	*45.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.88*	
		For Gate With Single Barb Wire Arm, Add	*28.93*	
		For Gate With Double Barb Wire Arm, Add	*42.08*	
32 31 13 13-0473	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	435.09	43.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.09*	
		For 1" Mesh Fabric, Add	*132.45*	
		For 1-1/4" Mesh Fabric, Add	*85.25*	
		For 1-3/4" Mesh Fabric, Add	*52.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.49*	
		For Gate With Single Barb Wire Arm, Add	*33.49*	
		For Gate With Double Barb Wire Arm, Add	*48.72*	
32 31 13 13-0474	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	498.76	50.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.88*	
		For 1" Mesh Fabric, Add	*150.51*	
		For 1-1/4" Mesh Fabric, Add	*96.88*	
		For 1-3/4" Mesh Fabric, Add	*60.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.10*	
		For Gate With Single Barb Wire Arm, Add	*38.06*	
		For Gate With Double Barb Wire Arm, Add	*55.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0475	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	563.54	58.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.66*	
		For 1" Mesh Fabric, Add	*168.58*	
		For 1-1/4" Mesh Fabric, Add	*108.51*	
		For 1-3/4" Mesh Fabric, Add	*67.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.72*	
		For Gate With Single Barb Wire Arm, Add	*42.63*	
		For Gate With Double Barb Wire Arm, Add	*62.01*	
32 31 13 13-0476	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	627.17	65.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.45*	
		For 1" Mesh Fabric, Add	*186.64*	
		For 1-1/4" Mesh Fabric, Add	*120.13*	
		For 1-3/4" Mesh Fabric, Add	*74.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.33*	
		For Gate With Single Barb Wire Arm, Add	*47.20*	
		For Gate With Double Barb Wire Arm, Add	*68.65*	
32 31 13 13-0477	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	691.95	73.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.23*	
		For 1" Mesh Fabric, Add	*204.70*	
		For 1-1/4" Mesh Fabric, Add	*131.76*	
		For 1-3/4" Mesh Fabric, Add	*81.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.94*	
		For Gate With Single Barb Wire Arm, Add	*51.76*	
		For Gate With Double Barb Wire Arm, Add	*75.29*	
32 31 13 13-0478	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	885.70	73.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.56*	
		For 1" Mesh Fabric, Add	*288.98*	
		For 1-1/4" Mesh Fabric, Add	*186.01*	
		For 1-3/4" Mesh Fabric, Add	*115.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.80*	
		For Gate With Single Barb Wire Arm, Add	*73.08*	
		For Gate With Double Barb Wire Arm, Add	*106.29*	
32 31 13 13-0479	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,101.27	101.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.47*	
		For 1" Mesh Fabric, Add	*346.77*	
		For 1-1/4" Mesh Fabric, Add	*223.21*	
		For 1-3/4" Mesh Fabric, Add	*138.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.35*	
		For Gate With Single Barb Wire Arm, Add	*87.69*	
		For Gate With Double Barb Wire Arm, Add	*127.55*	
32 31 13 13-0480	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,257.54	109.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.39*	
		For 1" Mesh Fabric, Add	*404.58*	
		For 1-1/4" Mesh Fabric, Add	*260.42*	
		For 1-3/4" Mesh Fabric, Add	*161.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.92*	
		For Gate With Single Barb Wire Arm, Add	*102.31*	
		For Gate With Double Barb Wire Arm, Add	*148.81*	
32 31 13 13-0481	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,417.68	118.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.29*	
		For 1" Mesh Fabric, Add	*462.36*	
		For 1-1/4" Mesh Fabric, Add	*297.61*	
		For 1-3/4" Mesh Fabric, Add	*184.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.47*	
		For Gate With Single Barb Wire Arm, Add	*116.92*	
		For Gate With Double Barb Wire Arm, Add	*170.06*	
32 31 13 13-0482	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,582.81	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.21*	
		For 1" Mesh Fabric, Add	*520.16*	
		For 1-1/4" Mesh Fabric, Add	*334.82*	
		For 1-3/4" Mesh Fabric, Add	*208.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.03*	
		For Gate With Single Barb Wire Arm, Add	*131.54*	
		For Gate With Double Barb Wire Arm, Add	*191.32*	
32 31 13 13-0483	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,754.36	141.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.12*	
		For 1" Mesh Fabric, Add	*577.95*	
		For 1-1/4" Mesh Fabric, Add	*372.02*	
		For 1-3/4" Mesh Fabric, Add	*231.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.59*	
		For Gate With Single Barb Wire Arm, Add	*146.15*	
		For Gate With Double Barb Wire Arm, Add	*212.58*	
32 31 13 13-0484	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,934.50	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-274.03*	
		For 1" Mesh Fabric, Add	*635.74*	
		For 1-1/4" Mesh Fabric, Add	*409.21*	
		For 1-3/4" Mesh Fabric, Add	*254.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-127.15*	
		For Gate With Single Barb Wire Arm, Add	*160.76*	
		For Gate With Double Barb Wire Arm, Add	*233.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0485	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,126.52	177.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.94*	
		For 1" Mesh Fabric, Add	*693.54*	
		For 1-1/4" Mesh Fabric, Add	*446.42*	
		For 1-3/4" Mesh Fabric, Add	*277.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.71*	
		For Gate With Single Barb Wire Arm, Add	*175.38*	
		For Gate With Double Barb Wire Arm, Add	*255.10*	
32 31 13 13-0486	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,335.41	202.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.86*	
		For 1" Mesh Fabric, Add	*751.35*	
		For 1-1/4" Mesh Fabric, Add	*483.62*	
		For 1-3/4" Mesh Fabric, Add	*300.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.27*	
		For Gate With Single Barb Wire Arm, Add	*190.00*	
		For Gate With Double Barb Wire Arm, Add	*276.36*	
32 31 13 13-0487	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,569.63	236.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-348.77*	
		For 1" Mesh Fabric, Add	*809.13*	
		For 1-1/4" Mesh Fabric, Add	*520.82*	
		For 1-3/4" Mesh Fabric, Add	*323.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.83*	
		For Gate With Single Barb Wire Arm, Add	*204.61*	
		For Gate With Double Barb Wire Arm, Add	*297.61*	
32 31 13 13-0488	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,844.42	283.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.68*	
		For 1" Mesh Fabric, Add	*866.94*	
		For 1-1/4" Mesh Fabric, Add	*558.03*	
		For 1-3/4" Mesh Fabric, Add	*346.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.39*	
		For Gate With Single Barb Wire Arm, Add	*219.23*	
		For Gate With Double Barb Wire Arm, Add	*318.87*	

32 31 13 13-0489 8' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0490	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	311.99	36.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.74*	
		For 1" Mesh Fabric, Add	*87.57*	
		For 1-1/4" Mesh Fabric, Add	*56.36*	
		For 1-3/4" Mesh Fabric, Add	*35.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.51*	
		For Gate With Single Barb Wire Arm, Add	*22.14*	
		For Gate With Double Barb Wire Arm, Add	*32.21*	
32 31 13 13-0491	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	379.09	36.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.33*	
		For 1" Mesh Fabric, Add	*116.75*	
		For 1-1/4" Mesh Fabric, Add	*75.15*	
		For 1-3/4" Mesh Fabric, Add	*46.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.35*	
		For Gate With Single Barb Wire Arm, Add	*29.52*	
		For Gate With Double Barb Wire Arm, Add	*42.94*	
32 31 13 13-0492	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	423.82	36.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.71*	
		For 1" Mesh Fabric, Add	*136.21*	
		For 1-1/4" Mesh Fabric, Add	*87.68*	
		For 1-3/4" Mesh Fabric, Add	*54.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.24*	
		For Gate With Single Barb Wire Arm, Add	*34.44*	
		For Gate With Double Barb Wire Arm, Add	*50.10*	
32 31 13 13-0493	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	497.32	46.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.10*	
		For 1" Mesh Fabric, Add	*155.67*	
		For 1-1/4" Mesh Fabric, Add	*100.20*	
		For 1-3/4" Mesh Fabric, Add	*62.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.13*	
		For Gate With Single Barb Wire Arm, Add	*39.36*	
		For Gate With Double Barb Wire Arm, Add	*57.26*	
32 31 13 13-0494	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	570.84	56.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.49*	
		For 1" Mesh Fabric, Add	*175.13*	
		For 1-1/4" Mesh Fabric, Add	*112.73*	
		For 1-3/4" Mesh Fabric, Add	*70.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.03*	
		For Gate With Single Barb Wire Arm, Add	*44.29*	
		For Gate With Double Barb Wire Arm, Add	*64.42*	
32 31 13 13-0495	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	643.25	65.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.87*	
		For 1" Mesh Fabric, Add	*194.59*	
		For 1-1/4" Mesh Fabric, Add	*125.25*	
		For 1-3/4" Mesh Fabric, Add	*77.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.92*	
		For Gate With Single Barb Wire Arm, Add	*49.21*	
		For Gate With Double Barb Wire Arm, Add	*71.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0496	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	716.76	74.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.26*	
		For 1" Mesh Fabric, Add	*214.05*	
		For 1-1/4" Mesh Fabric, Add	*137.78*	
		For 1-3/4" Mesh Fabric, Add	*85.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.81*	
		For Gate With Single Barb Wire Arm, Add	*54.13*	
		For Gate With Double Barb Wire Arm, Add	*78.73*	
32 31 13 13-0497	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	790.26	84.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.65*	
		For 1" Mesh Fabric, Add	*233.51*	
		For 1-1/4" Mesh Fabric, Add	*150.30*	
		For 1-3/4" Mesh Fabric, Add	*93.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.70*	
		For Gate With Single Barb Wire Arm, Add	*59.05*	
		For Gate With Double Barb Wire Arm, Add	*85.89*	
32 31 13 13-0498	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,109.27	101.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.25*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For Gate With Single Barb Wire Arm, Add	*88.57*	
		For Gate With Double Barb Wire Arm, Add	*128.83*	
32 31 13 13-0499	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,293.70	109.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.17*	
		For 1" Mesh Fabric, Add	*420.31*	
		For 1-1/4" Mesh Fabric, Add	*270.54*	
		For 1-3/4" Mesh Fabric, Add	*168.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.06*	
		For Gate With Single Barb Wire Arm, Add	*106.28*	
		For Gate With Double Barb Wire Arm, Add	*154.60*	
32 31 13 13-0500	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,482.04	118.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-211.36*	
		For 1" Mesh Fabric, Add	*490.36*	
		For 1-1/4" Mesh Fabric, Add	*315.63*	
		For 1-3/4" Mesh Fabric, Add	*196.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.07*	
		For Gate With Single Barb Wire Arm, Add	*124.00*	
		For Gate With Double Barb Wire Arm, Add	*180.36*	
32 31 13 13-0501	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,675.32	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.55*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.72*	
		For 1-3/4" Mesh Fabric, Add	*224.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For Gate With Single Barb Wire Arm, Add	*141.71*	
		For Gate With Double Barb Wire Arm, Add	*206.13*	
32 31 13 13-0502	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,875.06	141.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-271.75*	
		For 1" Mesh Fabric, Add	*630.46*	
		For 1-1/4" Mesh Fabric, Add	*405.81*	
		For 1-3/4" Mesh Fabric, Add	*252.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.09*	
		For Gate With Single Barb Wire Arm, Add	*159.43*	
		For Gate With Double Barb Wire Arm, Add	*231.89*	
32 31 13 13-0503	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,083.40	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.94*	
		For 1" Mesh Fabric, Add	*700.51*	
		For 1-1/4" Mesh Fabric, Add	*450.90*	
		For 1-3/4" Mesh Fabric, Add	*280.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.10*	
		For Gate With Single Barb Wire Arm, Add	*177.14*	
		For Gate With Double Barb Wire Arm, Add	*257.66*	
32 31 13 13-0504	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,303.57	177.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.14*	
		For 1" Mesh Fabric, Add	*770.56*	
		For 1-1/4" Mesh Fabric, Add	*495.99*	
		For 1-3/4" Mesh Fabric, Add	*308.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.11*	
		For Gate With Single Barb Wire Arm, Add	*194.85*	
		For Gate With Double Barb Wire Arm, Add	*283.42*	
32 31 13 13-0505	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,540.62	202.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.33*	
		For 1" Mesh Fabric, Add	*840.61*	
		For 1-1/4" Mesh Fabric, Add	*541.08*	
		For 1-3/4" Mesh Fabric, Add	*336.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.12*	
		For Gate With Single Barb Wire Arm, Add	*212.57*	
		For Gate With Double Barb Wire Arm, Add	*309.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0506	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,803.03	236.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-392.53*	
		For 1" Mesh Fabric, Add	*910.66*	
		For 1-1/4" Mesh Fabric, Add	*586.17*	
		For 1-3/4" Mesh Fabric, Add	*364.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-182.13*	
		For Gate With Single Barb Wire Arm, Add	*230.28*	
		For Gate With Double Barb Wire Arm, Add	*334.96*	
32 31 13 13-0507	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,105.97	283.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-422.72*	
		For 1" Mesh Fabric, Add	*980.71*	
		For 1-1/4" Mesh Fabric, Add	*631.26*	
		For 1-3/4" Mesh Fabric, Add	*392.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.14*	
		For Gate With Single Barb Wire Arm, Add	*248.00*	
		For Gate With Double Barb Wire Arm, Add	*360.72*	
32 31 13 13-0508	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,479.87	354.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.76*	
		For 1-1/4" Mesh Fabric, Add	*676.35*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.15*	
		For Gate With Single Barb Wire Arm, Add	*265.71*	
		For Gate With Double Barb Wire Arm, Add	*386.49*	

32 31 13 13-0509 10' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0510	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	356.49	40.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.78*	
		For 1" Mesh Fabric, Add	*101.58*	
		For 1-1/4" Mesh Fabric, Add	*65.38*	
		For 1-3/4" Mesh Fabric, Add	*40.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.32*	
		For Gate With Single Barb Wire Arm, Add	*25.69*	
		For Gate With Double Barb Wire Arm, Add	*37.36*	
32 31 13 13-0511	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	434.33	40.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.38*	
		For 1" Mesh Fabric, Add	*135.44*	
		For 1-1/4" Mesh Fabric, Add	*87.18*	
		For 1-3/4" Mesh Fabric, Add	*54.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.09*	
		For Gate With Single Barb Wire Arm, Add	*34.25*	
		For Gate With Double Barb Wire Arm, Add	*49.82*	
32 31 13 13-0512	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	491.64	42.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.11*	
		For 1" Mesh Fabric, Add	*158.01*	
		For 1-1/4" Mesh Fabric, Add	*101.71*	
		For 1-3/4" Mesh Fabric, Add	*63.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.60*	
		For Gate With Single Barb Wire Arm, Add	*39.96*	
		For Gate With Double Barb Wire Arm, Add	*58.12*	
32 31 13 13-0513	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	574.53	53.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.84*	
		For 1" Mesh Fabric, Add	*180.59*	
		For 1-1/4" Mesh Fabric, Add	*116.24*	
		For 1-3/4" Mesh Fabric, Add	*72.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.12*	
		For Gate With Single Barb Wire Arm, Add	*45.67*	
		For Gate With Double Barb Wire Arm, Add	*66.42*	
32 31 13 13-0514	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	656.30	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.57*	
		For 1" Mesh Fabric, Add	*203.16*	
		For 1-1/4" Mesh Fabric, Add	*130.77*	
		For 1-3/4" Mesh Fabric, Add	*81.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.63*	
		For Gate With Single Barb Wire Arm, Add	*51.37*	
		For Gate With Double Barb Wire Arm, Add	*74.72*	
32 31 13 13-0515	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	739.19	73.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.30*	
		For 1" Mesh Fabric, Add	*225.73*	
		For 1-1/4" Mesh Fabric, Add	*145.30*	
		For 1-3/4" Mesh Fabric, Add	*90.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.15*	
		For Gate With Single Barb Wire Arm, Add	*57.08*	
		For Gate With Double Barb Wire Arm, Add	*83.03*	
32 31 13 13-0516	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	820.96	83.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.03*	
		For 1" Mesh Fabric, Add	*248.31*	
		For 1-1/4" Mesh Fabric, Add	*159.83*	
		For 1-3/4" Mesh Fabric, Add	*99.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.66*	
		For Gate With Single Barb Wire Arm, Add	*62.79*	
		For Gate With Double Barb Wire Arm, Add	*91.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0517	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	903.86	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.76*	
		For 1" Mesh Fabric, Add	*270.88*	
		For 1-1/4" Mesh Fabric, Add	*174.36*	
		For 1-3/4" Mesh Fabric, Add	*108.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.18*	
		For Gate With Single Barb Wire Arm, Add	*68.50*	
		For Gate With Double Barb Wire Arm, Add	*99.63*	
32 31 13 13-0518	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,271.94	112.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.13*	
		For 1" Mesh Fabric, Add	*406.31*	
		For 1-1/4" Mesh Fabric, Add	*261.53*	
		For 1-3/4" Mesh Fabric, Add	*162.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.26*	
		For Gate With Single Barb Wire Arm, Add	*102.75*	
		For Gate With Double Barb Wire Arm, Add	*149.45*	
32 31 13 13-0519	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,484.62	121.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-210.16*	
		For 1" Mesh Fabric, Add	*487.58*	
		For 1-1/4" Mesh Fabric, Add	*313.84*	
		For 1-3/4" Mesh Fabric, Add	*195.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.52*	
		For Gate With Single Barb Wire Arm, Add	*123.30*	
		For Gate With Double Barb Wire Arm, Add	*179.34*	
32 31 13 13-0520	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,701.87	131.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.19*	
		For 1" Mesh Fabric, Add	*568.84*	
		For 1-1/4" Mesh Fabric, Add	*366.15*	
		For 1-3/4" Mesh Fabric, Add	*227.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.77*	
		For Gate With Single Barb Wire Arm, Add	*143.84*	
		For Gate With Double Barb Wire Arm, Add	*209.23*	
32 31 13 13-0521	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,924.34	143.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.22*	
		For 1" Mesh Fabric, Add	*650.10*	
		For 1-1/4" Mesh Fabric, Add	*418.45*	
		For 1-3/4" Mesh Fabric, Add	*260.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-130.02*	
		For Gate With Single Barb Wire Arm, Add	*164.39*	
		For Gate With Double Barb Wire Arm, Add	*239.12*	
32 31 13 13-0522	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,154.33	157.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-315.24*	
		For 1" Mesh Fabric, Add	*731.37*	
		For 1-1/4" Mesh Fabric, Add	*470.76*	
		For 1-3/4" Mesh Fabric, Add	*292.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.27*	
		For Gate With Single Barb Wire Arm, Add	*184.94*	
		For Gate With Double Barb Wire Arm, Add	*269.01*	
32 31 13 13-0523	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,393.43	174.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.27*	
		For 1" Mesh Fabric, Add	*812.62*	
		For 1-1/4" Mesh Fabric, Add	*523.07*	
		For 1-3/4" Mesh Fabric, Add	*325.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.52*	
		For Gate With Single Barb Wire Arm, Add	*205.49*	
		For Gate With Double Barb Wire Arm, Add	*298.90*	
32 31 13 13-0524	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,646.20	196.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-385.30*	
		For 1" Mesh Fabric, Add	*893.89*	
		For 1-1/4" Mesh Fabric, Add	*575.37*	
		For 1-3/4" Mesh Fabric, Add	*357.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-178.78*	
		For Gate With Single Barb Wire Arm, Add	*226.04*	
		For Gate With Double Barb Wire Arm, Add	*328.79*	
32 31 13 13-0525	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,917.07	224.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.32*	
		For 1" Mesh Fabric, Add	*975.15*	
		For 1-1/4" Mesh Fabric, Add	*627.68*	
		For 1-3/4" Mesh Fabric, Add	*390.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.03*	
		For Gate With Single Barb Wire Arm, Add	*246.59*	
		For Gate With Double Barb Wire Arm, Add	*358.68*	
32 31 13 13-0526	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,216.93	262.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-455.35*	
		For 1" Mesh Fabric, Add	*1,056.41*	
		For 1-1/4" Mesh Fabric, Add	*679.99*	
		For 1-3/4" Mesh Fabric, Add	*422.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.28*	
		For Gate With Single Barb Wire Arm, Add	*267.14*	
		For Gate With Double Barb Wire Arm, Add	*388.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0527	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,560.57	314.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-490.38*	
		For 1" Mesh Fabric, Add	*1,137.68*	
		For 1-1/4" Mesh Fabric, Add	*732.30*	
		For 1-3/4" Mesh Fabric, Add	*455.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-227.54*	
		For Gate With Single Barb Wire Arm, Add	*287.69*	
		For Gate With Double Barb Wire Arm, Add	*418.46*	
32 31 13 13-0528	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,984.74	393.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-525.41*	
		For 1" Mesh Fabric, Add	*1,218.94*	
		For 1-1/4" Mesh Fabric, Add	*784.60*	
		For 1-3/4" Mesh Fabric, Add	*487.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.79*	
		For Gate With Single Barb Wire Arm, Add	*308.24*	
		For Gate With Double Barb Wire Arm, Add	*448.35*	

32 31 13 13-0529 12' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0530	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	462.31	45.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.06*	
		For 1" Mesh Fabric, Add	*141.66*	
		For 1-1/4" Mesh Fabric, Add	*91.18*	
		For 1-3/4" Mesh Fabric, Add	*56.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.33*	
		For Gate With Single Barb Wire Arm, Add	*35.82*	
		For Gate With Double Barb Wire Arm, Add	*52.11*	
32 31 13 13-0531	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	570.56	45.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.36*	
		For 1" Mesh Fabric, Add	*188.75*	
		For 1-1/4" Mesh Fabric, Add	*121.49*	
		For 1-3/4" Mesh Fabric, Add	*75.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.75*	
		For Gate With Single Barb Wire Arm, Add	*47.73*	
		For Gate With Double Barb Wire Arm, Add	*69.43*	
32 31 13 13-0532	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	656.11	47.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.46*	
		For 1" Mesh Fabric, Add	*223.78*	
		For 1-1/4" Mesh Fabric, Add	*144.04*	
		For 1-3/4" Mesh Fabric, Add	*89.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.76*	
		For Gate With Single Barb Wire Arm, Add	*56.59*	
		For Gate With Double Barb Wire Arm, Add	*82.31*	
32 31 13 13-0533	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	757.53	58.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.04*	
		For 1" Mesh Fabric, Add	*252.97*	
		For 1-1/4" Mesh Fabric, Add	*162.83*	
		For 1-3/4" Mesh Fabric, Add	*101.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.59*	
		For Gate With Single Barb Wire Arm, Add	*63.97*	
		For Gate With Double Barb Wire Arm, Add	*93.04*	
32 31 13 13-0534	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	866.39	70.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.02*	
		For 1" Mesh Fabric, Add	*285.39*	
		For 1-1/4" Mesh Fabric, Add	*183.70*	
		For 1-3/4" Mesh Fabric, Add	*114.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.08*	
		For Gate With Single Barb Wire Arm, Add	*72.17*	
		For Gate With Double Barb Wire Arm, Add	*104.97*	
32 31 13 13-0535	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	974.16	81.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.00*	
		For 1" Mesh Fabric, Add	*317.83*	
		For 1-1/4" Mesh Fabric, Add	*204.58*	
		For 1-3/4" Mesh Fabric, Add	*127.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-63.57*	
		For Gate With Single Barb Wire Arm, Add	*80.37*	
		For Gate With Double Barb Wire Arm, Add	*116.90*	
32 31 13 13-0536	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,083.02	92.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.26*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For Gate With Single Barb Wire Arm, Add	*88.57*	
		For Gate With Double Barb Wire Arm, Add	*128.83*	
32 31 13 13-0537	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,184.44	103.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.55*	
		For 1" Mesh Fabric, Add	*379.45*	
		For 1-1/4" Mesh Fabric, Add	*244.24*	
		For 1-3/4" Mesh Fabric, Add	*151.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.89*	
		For Gate With Single Barb Wire Arm, Add	*95.95*	
		For Gate With Double Barb Wire Arm, Add	*139.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0538	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,683.28	125.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.25*	
		For 1" Mesh Fabric, Add	*568.98*	
		For 1-1/4" Mesh Fabric, Add	*366.24*	
		For 1-3/4" Mesh Fabric, Add	*227.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.80*	
		For Gate With Single Barb Wire Arm, Add	*143.88*	
		For Gate With Double Barb Wire Arm, Add	*209.28*	
32 31 13 13-0539	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,016.25	134.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-302.28*	
		For 1" Mesh Fabric, Add	*701.30*	
		For 1-1/4" Mesh Fabric, Add	*451.41*	
		For 1-3/4" Mesh Fabric, Add	*280.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.26*	
		For Gate With Single Barb Wire Arm, Add	*177.34*	
		For Gate With Double Barb Wire Arm, Add	*257.95*	
32 31 13 13-0540	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,320.36	145.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.94*	
		For 1" Mesh Fabric, Add	*818.83*	
		For 1-1/4" Mesh Fabric, Add	*527.06*	
		For 1-3/4" Mesh Fabric, Add	*327.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.77*	
		For Gate With Single Barb Wire Arm, Add	*207.06*	
		For Gate With Double Barb Wire Arm, Add	*301.18*	
32 31 13 13-0541	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,628.46	158.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.27*	
		For 1" Mesh Fabric, Add	*935.58*	
		For 1-1/4" Mesh Fabric, Add	*602.21*	
		For 1-3/4" Mesh Fabric, Add	*374.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.12*	
		For Gate With Single Barb Wire Arm, Add	*236.58*	
		For Gate With Double Barb Wire Arm, Add	*344.12*	
32 31 13 13-0542	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,941.17	175.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.78*	
		For 1-1/4" Mesh Fabric, Add	*676.36*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.16*	
		For Gate With Single Barb Wire Arm, Add	*265.71*	
		For Gate With Double Barb Wire Arm, Add	*386.49*	
32 31 13 13-0543	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,267.49	194.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-503.25*	
		For 1" Mesh Fabric, Add	*1,167.53*	
		For 1-1/4" Mesh Fabric, Add	*751.51*	
		For 1-3/4" Mesh Fabric, Add	*467.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.51*	
		For Gate With Single Barb Wire Arm, Add	*295.24*	
		For Gate With Double Barb Wire Arm, Add	*429.44*	
32 31 13 13-0544	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,609.37	218.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-553.57*	
		For 1" Mesh Fabric, Add	*1,284.29*	
		For 1-1/4" Mesh Fabric, Add	*826.67*	
		For 1-3/4" Mesh Fabric, Add	*513.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.86*	
		For Gate With Single Barb Wire Arm, Add	*324.76*	
		For Gate With Double Barb Wire Arm, Add	*472.38*	
32 31 13 13-0545	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,971.15	249.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-603.90*	
		For 1" Mesh Fabric, Add	*1,401.04*	
		For 1-1/4" Mesh Fabric, Add	*901.82*	
		For 1-3/4" Mesh Fabric, Add	*560.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.21*	
		For Gate With Single Barb Wire Arm, Add	*354.29*	
		For Gate With Double Barb Wire Arm, Add	*515.32*	
32 31 13 13-0546	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,374.11	291.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.90*	
		For 1" Mesh Fabric, Add	*1,521.68*	
		For 1-1/4" Mesh Fabric, Add	*979.47*	
		For 1-3/4" Mesh Fabric, Add	*608.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.34*	
		For Gate With Single Barb Wire Arm, Add	*384.79*	
		For Gate With Double Barb Wire Arm, Add	*559.70*	
32 31 13 13-0547	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,816.77	349.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.22*	
		For 1" Mesh Fabric, Add	*1,638.44*	
		For 1-1/4" Mesh Fabric, Add	*1,054.63*	
		For 1-3/4" Mesh Fabric, Add	*655.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.69*	
		For Gate With Single Barb Wire Arm, Add	*414.32*	
		For Gate With Double Barb Wire Arm, Add	*602.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0548	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,348.90	437.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-756.55*	
		For 1" Mesh Fabric, Add	*1,755.19*	
		For 1-1/4" Mesh Fabric, Add	*1,129.78*	
		For 1-3/4" Mesh Fabric, Add	*702.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.04*	
		For Gate With Single Barb Wire Arm, Add	*443.84*	
		For Gate With Double Barb Wire Arm, Add	*645.59*	

32 31 13 13-0549 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0266)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0645 for additonal gate accessories, 32 31 13 13-0741 for gate repacement parts.

32 31 13 13-0550 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0551	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,717.04	431.85
		For 1" Mesh Fabric, Add	*806.18*	
		For 1-1/4" Mesh Fabric, Add	*518.92*	
		For 1-3/4" Mesh Fabric, Add	*322.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.24*	
		For Gate With Barb Wire Arm, Add	*203.86*	
		For Vinyl Coated, Add	*555.98*	
32 31 13 13-0552	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,266.57	521.38
		For 1" Mesh Fabric, Add	*967.41*	
		For 1-1/4" Mesh Fabric, Add	*622.70*	
		For 1-3/4" Mesh Fabric, Add	*386.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-193.48*	
		For Gate With Barb Wire Arm, Add	*244.63*	
		For Vinyl Coated, Add	*667.18*	
32 31 13 13-0553	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,811.25	608.26
		For 1" Mesh Fabric, Add	*1,128.65*	
		For 1-1/4" Mesh Fabric, Add	*726.49*	
		For 1-3/4" Mesh Fabric, Add	*451.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.73*	
		For Gate With Barb Wire Arm, Add	*285.41*	
		For Vinyl Coated, Add	*778.38*	
32 31 13 13-0554	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,363.48	699.13
		For 1" Mesh Fabric, Add	*1,289.89*	
		For 1-1/4" Mesh Fabric, Add	*830.27*	
		For 1-3/4" Mesh Fabric, Add	*515.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.98*	
		For Gate With Barb Wire Arm, Add	*326.18*	
		For Vinyl Coated, Add	*889.58*	
32 31 13 13-0555	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,908.97	786.53
		For 1" Mesh Fabric, Add	*1,451.13*	
		For 1-1/4" Mesh Fabric, Add	*934.06*	
		For 1-3/4" Mesh Fabric, Add	*580.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-290.23*	
		For Gate With Barb Wire Arm, Add	*366.95*	
		For Vinyl Coated, Add	*1,000.78*	
32 31 13 13-0556	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,438.32	865.83
		For 1" Mesh Fabric, Add	*1,612.36*	
		For 1-1/4" Mesh Fabric, Add	*1,037.84*	
		For 1-3/4" Mesh Fabric, Add	*644.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-322.47*	
		For Gate With Barb Wire Arm, Add	*407.72*	
		For Vinyl Coated, Add	*1,111.97*	
32 31 13 13-0557	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,500.53	1,042.63
		For 1" Mesh Fabric, Add	*1,920.63*	
		For 1-1/4" Mesh Fabric, Add	*1,236.27*	
		For 1-3/4" Mesh Fabric, Add	*768.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.13*	
		For Gate With Barb Wire Arm, Add	*485.68*	
		For Vinyl Coated, Add	*1,324.58*	
32 31 13 13-0558	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	9,495.97	1,968.07
		For 1" Mesh Fabric, Add	*2,418.54*	
		For 1-1/4" Mesh Fabric, Add	*1,556.76*	
		For 1-3/4" Mesh Fabric, Add	*967.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-483.71*	
		For Gate With Barb Wire Arm, Add	*611.58*	
		For Vinyl Coated, Add	*1,667.96*	
32 31 13 13-0559	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	12,661.30	2,624.09
		For 1" Mesh Fabric, Add	*3,224.72*	
		For 1-1/4" Mesh Fabric, Add	*2,075.68*	
		For 1-3/4" Mesh Fabric, Add	*1,289.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.94*	
		For Gate With Barb Wire Arm, Add	*815.45*	
		For Vinyl Coated, Add	*2,223.95*	

32 31 13 13-0560 5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0561	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,847.80	470.03
		For 1" Mesh Fabric, Add	*829.87*	
		For 1-1/4" Mesh Fabric, Add	*534.17*	
		For 1-3/4" Mesh Fabric, Add	*331.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.97*	
		For Gate With Barb Wire Arm, Add	*209.85*	
		For Vinyl Coated, Add	*572.33*	
32 31 13 13-0562	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,416.06	563.43
		For 1" Mesh Fabric, Add	*995.85*	
		For 1-1/4" Mesh Fabric, Add	*641.01*	
		For 1-3/4" Mesh Fabric, Add	*398.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.17*	
		For Gate With Barb Wire Arm, Add	*251.82*	
		For Vinyl Coated, Add	*686.79*	
32 31 13 13-0563	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,985.17	657.22
		For 1" Mesh Fabric, Add	*1,161.82*	
		For 1-1/4" Mesh Fabric, Add	*747.84*	
		For 1-3/4" Mesh Fabric, Add	*464.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.36*	
		For Gate With Barb Wire Arm, Add	*293.79*	
		For Vinyl Coated, Add	*801.26*	
32 31 13 13-0564	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,554.86	751.28
		For 1" Mesh Fabric, Add	*1,327.80*	
		For 1-1/4" Mesh Fabric, Add	*854.68*	
		For 1-3/4" Mesh Fabric, Add	*531.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.56*	
		For Gate With Barb Wire Arm, Add	*335.77*	
		For Vinyl Coated, Add	*915.73*	
32 31 13 13-0565	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,123.90	844.94
		For 1" Mesh Fabric, Add	*1,493.77*	
		For 1-1/4" Mesh Fabric, Add	*961.51*	
		For 1-3/4" Mesh Fabric, Add	*597.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.75*	
		For Gate With Barb Wire Arm, Add	*377.73*	
		For Vinyl Coated, Add	*1,030.19*	
32 31 13 13-0566	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,693.29	938.87
		For 1" Mesh Fabric, Add	*1,659.75*	
		For 1-1/4" Mesh Fabric, Add	*1,068.34*	
		For 1-3/4" Mesh Fabric, Add	*663.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-331.95*	
		For Gate With Barb Wire Arm, Add	*419.71*	
		For Vinyl Coated, Add	*1,144.65*	
32 31 13 13-0567	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,800.91	1,127.92
		For 1" Mesh Fabric, Add	*1,977.08*	
		For 1-1/4" Mesh Fabric, Add	*1,272.61*	
		For 1-3/4" Mesh Fabric, Add	*790.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-395.42*	
		For Gate With Barb Wire Arm, Add	*499.95*	
		For Vinyl Coated, Add	*1,363.51*	
32 31 13 13-0568	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,540.43	1,408.64
		For 1" Mesh Fabric, Add	*2,489.62*	
		For 1-1/4" Mesh Fabric, Add	*1,602.51*	
		For 1-3/4" Mesh Fabric, Add	*995.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-497.92*	
		For Gate With Barb Wire Arm, Add	*629.56*	
		For Vinyl Coated, Add	*1,716.98*	
32 31 13 13-0569	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	11,386.57	1,877.74
		For 1" Mesh Fabric, Add	*3,319.49*	
		For 1-1/4" Mesh Fabric, Add	*2,136.68*	
		For 1-3/4" Mesh Fabric, Add	*1,327.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-663.90*	
		For Gate With Barb Wire Arm, Add	*839.41*	
		For Vinyl Coated, Add	*2,289.30*	
32 31 13 13-0570		**6' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0571	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,047.89	551.06
		For 1" Mesh Fabric, Add	*846.46*	
		For 1-1/4" Mesh Fabric, Add	*544.85*	
		For 1-3/4" Mesh Fabric, Add	*338.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.29*	
		For Gate With Barb Wire Arm, Add	*214.05*	
		For Vinyl Coated, Add	*583.76*	
32 31 13 13-0572	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,653.60	659.22
		For 1" Mesh Fabric, Add	*1,015.75*	
		For 1-1/4" Mesh Fabric, Add	*653.82*	
		For 1-3/4" Mesh Fabric, Add	*406.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.15*	
		For Gate With Barb Wire Arm, Add	*256.86*	
		For Vinyl Coated, Add	*700.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0573	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,262.28	768.97
		For 1" Mesh Fabric, Add	*1,185.04*	
		For 1-1/4" Mesh Fabric, Add	*762.79*	
		For 1-3/4" Mesh Fabric, Add	*474.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.01*	
		For Gate With Barb Wire Arm, Add	*299.67*	
		For Vinyl Coated, Add	*817.27*	
32 31 13 13-0574	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,871.46	879.00
		For 1" Mesh Fabric, Add	*1,354.33*	
		For 1-1/4" Mesh Fabric, Add	*871.75*	
		For 1-3/4" Mesh Fabric, Add	*541.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.87*	
		For Gate With Barb Wire Arm, Add	*342.48*	
		For Vinyl Coated, Add	*934.02*	
32 31 13 13-0575	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,480.16	988.76
		For 1" Mesh Fabric, Add	*1,523.63*	
		For 1-1/4" Mesh Fabric, Add	*980.73*	
		For 1-3/4" Mesh Fabric, Add	*609.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.73*	
		For Gate With Barb Wire Arm, Add	*385.28*	
		For Vinyl Coated, Add	*1,050.78*	
32 31 13 13-0576	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,096.25	1,102.24
		For 1" Mesh Fabric, Add	*1,692.92*	
		For 1-1/4" Mesh Fabric, Add	*1,089.70*	
		For 1-3/4" Mesh Fabric, Add	*677.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-338.58*	
		For Gate With Barb Wire Arm, Add	*428.09*	
		For Vinyl Coated, Add	*1,167.53*	
32 31 13 13-0577	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,272.94	1,318.57
		For 1" Mesh Fabric, Add	*2,016.60*	
		For 1-1/4" Mesh Fabric, Add	*1,298.04*	
		For 1-3/4" Mesh Fabric, Add	*806.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-403.32*	
		For Gate With Barb Wire Arm, Add	*509.94*	
		For Vinyl Coated, Add	*1,390.76*	
32 31 13 13-0578	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	9,134.81	1,648.64
		For 1" Mesh Fabric, Add	*2,539.38*	
		For 1-1/4" Mesh Fabric, Add	*1,634.54*	
		For 1-3/4" Mesh Fabric, Add	*1,015.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-507.88*	
		For Gate With Barb Wire Arm, Add	*642.14*	
		For Vinyl Coated, Add	*1,751.30*	
32 31 13 13-0579	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	12,177.93	2,197.16
		For 1" Mesh Fabric, Add	*3,385.84*	
		For 1-1/4" Mesh Fabric, Add	*2,179.39*	
		For 1-3/4" Mesh Fabric, Add	*1,354.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-677.17*	
		For Gate With Barb Wire Arm, Add	*856.19*	
		For Vinyl Coated, Add	*2,335.06*	
32 31 13 13-0580		**7' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0581	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,251.44	614.64
		For 1" Mesh Fabric, Add	*879.63*	
		For 1-1/4" Mesh Fabric, Add	*566.20*	
		For 1-3/4" Mesh Fabric, Add	*351.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.93*	
		For Gate With Barb Wire Arm, Add	*222.44*	
		For Vinyl Coated, Add	*606.64*	
32 31 13 13-0582	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,900.77	737.05
		For 1" Mesh Fabric, Add	*1,055.59*	
		For 1-1/4" Mesh Fabric, Add	*679.46*	
		For 1-3/4" Mesh Fabric, Add	*422.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.12*	
		For Gate With Barb Wire Arm, Add	*266.93*	
		For Vinyl Coated, Add	*727.99*	
32 31 13 13-0583	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,552.09	860.51
		For 1" Mesh Fabric, Add	*1,231.48*	
		For 1-1/4" Mesh Fabric, Add	*792.68*	
		For 1-3/4" Mesh Fabric, Add	*492.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.30*	
		For Gate With Barb Wire Arm, Add	*311.41*	
		For Vinyl Coated, Add	*849.30*	
32 31 13 13-0584	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,201.29	982.91
		For 1" Mesh Fabric, Add	*1,407.41*	
		For 1-1/4" Mesh Fabric, Add	*905.92*	
		For 1-3/4" Mesh Fabric, Add	*562.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-281.48*	
		For Gate With Barb Wire Arm, Add	*355.90*	
		For Vinyl Coated, Add	*970.63*	
32 31 13 13-0585	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,851.66	1,105.97
		For 1" Mesh Fabric, Add	*1,583.33*	
		For 1-1/4" Mesh Fabric, Add	*1,019.16*	
		For 1-3/4" Mesh Fabric, Add	*633.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-316.67*	
		For Gate With Barb Wire Arm, Add	*400.38*	
		For Vinyl Coated, Add	*1,091.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0586	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,501.17	1,228.50
		For 1" Mesh Fabric, Add	*1,759.26*	
		For 1-1/4" Mesh Fabric, Add	*1,132.40*	
		For 1-3/4" Mesh Fabric, Add	*703.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.85*	
		For Gate With Barb Wire Arm, Add	*444.87*	
		For Vinyl Coated, Add	*1,213.28*	
32 31 13 13-0587	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,765.80	1,474.09
		For 1" Mesh Fabric, Add	*2,095.63*	
		For 1-1/4" Mesh Fabric, Add	*1,348.91*	
		For 1-3/4" Mesh Fabric, Add	*838.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.13*	
		For Gate With Barb Wire Arm, Add	*529.93*	
		For Vinyl Coated, Add	*1,445.26*	
32 31 13 13-0588	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,751.75	1,842.61
		For 1" Mesh Fabric, Add	*2,638.89*	
		For 1-1/4" Mesh Fabric, Add	*1,698.59*	
		For 1-3/4" Mesh Fabric, Add	*1,055.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-527.78*	
		For Gate With Barb Wire Arm, Add	*667.31*	
		For Vinyl Coated, Add	*1,819.92*	
32 31 13 13-0589	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	13,002.34	2,456.86
		For 1" Mesh Fabric, Add	*3,518.52*	
		For 1-1/4" Mesh Fabric, Add	*2,264.79*	
		For 1-3/4" Mesh Fabric, Add	*1,407.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-703.70*	
		For Gate With Barb Wire Arm, Add	*889.74*	
		For Vinyl Coated, Add	*2,426.57*	
32 31 13 13-0590		**8' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0591	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,413.80	665.87
		For 1" Mesh Fabric, Add	*905.70*	
		For 1-1/4" Mesh Fabric, Add	*582.98*	
		For 1-3/4" Mesh Fabric, Add	*362.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.14*	
		For Gate With Barb Wire Arm, Add	*229.03*	
		For Vinyl Coated, Add	*624.62*	
32 31 13 13-0592	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,092.72	797.18
		For 1" Mesh Fabric, Add	*1,086.83*	
		For 1-1/4" Mesh Fabric, Add	*699.57*	
		For 1-3/4" Mesh Fabric, Add	*434.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.37*	
		For Gate With Barb Wire Arm, Add	*274.83*	
		For Vinyl Coated, Add	*749.54*	
32 31 13 13-0593	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,774.93	930.09
		For 1" Mesh Fabric, Add	*1,267.97*	
		For 1-1/4" Mesh Fabric, Add	*816.16*	
		For 1-3/4" Mesh Fabric, Add	*507.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-253.59*	
		For Gate With Barb Wire Arm, Add	*320.64*	
		For Vinyl Coated, Add	*874.46*	
32 31 13 13-0594	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,457.38	1,062.99
		For 1" Mesh Fabric, Add	*1,449.11*	
		For 1-1/4" Mesh Fabric, Add	*932.76*	
		For 1-3/4" Mesh Fabric, Add	*579.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-289.82*	
		For Gate With Barb Wire Arm, Add	*366.44*	
		For Vinyl Coated, Add	*999.38*	
32 31 13 13-0595	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,138.35	1,195.38
		For 1" Mesh Fabric, Add	*1,630.25*	
		For 1-1/4" Mesh Fabric, Add	*1,049.35*	
		For 1-3/4" Mesh Fabric, Add	*652.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.05*	
		For Gate With Barb Wire Arm, Add	*412.25*	
		For Vinyl Coated, Add	*1,124.31*	
32 31 13 13-0596	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,820.92	1,328.41
		For 1" Mesh Fabric, Add	*1,811.38*	
		For 1-1/4" Mesh Fabric, Add	*1,165.95*	
		For 1-3/4" Mesh Fabric, Add	*724.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.28*	
		For Gate With Barb Wire Arm, Add	*458.05*	
		For Vinyl Coated, Add	*1,249.23*	
32 31 13 13-0597	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,148.78	1,594.23
		For 1" Mesh Fabric, Add	*2,157.72*	
		For 1-1/4" Mesh Fabric, Add	*1,388.88*	
		For 1-3/4" Mesh Fabric, Add	*863.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-431.54*	
		For Gate With Barb Wire Arm, Add	*545.63*	
		For Vinyl Coated, Add	*1,488.08*	
32 31 13 13-0598	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	10,232.40	1,993.08
		For 1" Mesh Fabric, Add	*2,717.08*	
		For 1-1/4" Mesh Fabric, Add	*1,748.92*	
		For 1-3/4" Mesh Fabric, Add	*1,086.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-543.42*	
		For Gate With Barb Wire Arm, Add	*687.08*	
		For Vinyl Coated, Add	*1,873.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0599	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	13,639.21	2,655.49
		For 1" Mesh Fabric, Add	*3,622.77*	
		For 1-1/4" Mesh Fabric, Add	*2,331.90*	
		For 1-3/4" Mesh Fabric, Add	*1,449.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-724.55*	
		For Gate With Barb Wire Arm, Add	*916.10*	
		For Vinyl Coated, Add	*2,498.46*	

32 31 13 13-0600 9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0601	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,605.67	726.40
		For 1" Mesh Fabric, Add	*936.49*	
		For 1-1/4" Mesh Fabric, Add	*602.80*	
		For 1-3/4" Mesh Fabric, Add	*374.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.30*	
		For Gate With Barb Wire Arm, Add	*236.81*	
		For Vinyl Coated, Add	*645.86*	
32 31 13 13-0602	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,321.39	869.02
		For 1" Mesh Fabric, Add	*1,123.79*	
		For 1-1/4" Mesh Fabric, Add	*723.36*	
		For 1-3/4" Mesh Fabric, Add	*449.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.76*	
		For Gate With Barb Wire Arm, Add	*284.18*	
		For Vinyl Coated, Add	*775.03*	
32 31 13 13-0603	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,041.30	1,013.64
		For 1" Mesh Fabric, Add	*1,311.09*	
		For 1-1/4" Mesh Fabric, Add	*843.92*	
		For 1-3/4" Mesh Fabric, Add	*524.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.22*	
		For Gate With Barb Wire Arm, Add	*331.54*	
		For Vinyl Coated, Add	*904.20*	
32 31 13 13-0604	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,762.35	1,158.92
		For 1" Mesh Fabric, Add	*1,498.39*	
		For 1-1/4" Mesh Fabric, Add	*964.48*	
		For 1-3/4" Mesh Fabric, Add	*599.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.68*	
		For Gate With Barb Wire Arm, Add	*378.90*	
		For Vinyl Coated, Add	*1,033.37*	
32 31 13 13-0605	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,482.51	1,303.66
		For 1" Mesh Fabric, Add	*1,685.69*	
		For 1-1/4" Mesh Fabric, Add	*1,085.04*	
		For 1-3/4" Mesh Fabric, Add	*674.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.14*	
		For Gate With Barb Wire Arm, Add	*426.27*	
		For Vinyl Coated, Add	*1,162.55*	
32 31 13 13-0606	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,202.65	1,448.41
		For 1" Mesh Fabric, Add	*1,872.99*	
		For 1-1/4" Mesh Fabric, Add	*1,205.60*	
		For 1-3/4" Mesh Fabric, Add	*749.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-374.60*	
		For Gate With Barb Wire Arm, Add	*473.63*	
		For Vinyl Coated, Add	*1,291.72*	
32 31 13 13-0607	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,604.87	1,737.91
		For 1" Mesh Fabric, Add	*2,231.10*	
		For 1-1/4" Mesh Fabric, Add	*1,436.11*	
		For 1-3/4" Mesh Fabric, Add	*892.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-446.22*	
		For Gate With Barb Wire Arm, Add	*564.19*	
		For Vinyl Coated, Add	*1,538.69*	
32 31 13 13-0608	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,802.77	2,172.16
		For 1" Mesh Fabric, Add	*2,809.48*	
		For 1-1/4" Mesh Fabric, Add	*1,808.40*	
		For 1-3/4" Mesh Fabric, Add	*1,123.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-561.90*	
		For Gate With Barb Wire Arm, Add	*710.44*	
		For Vinyl Coated, Add	*1,937.57*	
32 31 13 13-0609	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	14,408.44	2,898.56
		For 1" Mesh Fabric, Add	*3,745.99*	
		For 1-1/4" Mesh Fabric, Add	*2,411.21*	
		For 1-3/4" Mesh Fabric, Add	*1,498.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-749.20*	
		For Gate With Barb Wire Arm, Add	*947.26*	
		For Vinyl Coated, Add	*2,583.44*	

32 31 13 13-0610 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0611	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,843.55	799.05
		For 1" Mesh Fabric, Add	*976.78*	
		For 1-1/4" Mesh Fabric, Add	*628.73*	
		For 1-3/4" Mesh Fabric, Add	*390.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.36*	
		For Gate With Barb Wire Arm, Add	*247.00*	
		For Vinyl Coated, Add	*673.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0612	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,612.25	958.83
		For 1" Mesh Fabric, Add	*1,172.13*	
		For 1-1/4" Mesh Fabric, Add	*754.47*	
		For 1-3/4" Mesh Fabric, Add	*468.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-234.43*	
		For Gate With Barb Wire Arm, Add	*296.40*	
		For Vinyl Coated, Add	*808.37*	
32 31 13 13-0613	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,381.51	1,118.88
		For 1" Mesh Fabric, Add	*1,367.49*	
		For 1-1/4" Mesh Fabric, Add	*880.22*	
		For 1-3/4" Mesh Fabric, Add	*547.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-273.50*	
		For Gate With Barb Wire Arm, Add	*345.80*	
		For Vinyl Coated, Add	*943.10*	
32 31 13 13-0614	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,149.98	1,278.66
		For 1" Mesh Fabric, Add	*1,562.84*	
		For 1-1/4" Mesh Fabric, Add	*1,005.97*	
		For 1-3/4" Mesh Fabric, Add	*625.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.57*	
		For Gate With Barb Wire Arm, Add	*395.20*	
		For Vinyl Coated, Add	*1,077.82*	
32 31 13 13-0615	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,918.38	1,438.30
		For 1" Mesh Fabric, Add	*1,758.19*	
		For 1-1/4" Mesh Fabric, Add	*1,131.71*	
		For 1-3/4" Mesh Fabric, Add	*703.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.64*	
		For Gate With Barb Wire Arm, Add	*444.60*	
		For Vinyl Coated, Add	*1,212.55*	
32 31 13 13-0616	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,687.08	1,598.08
		For 1" Mesh Fabric, Add	*1,953.55*	
		For 1-1/4" Mesh Fabric, Add	*1,257.45*	
		For 1-3/4" Mesh Fabric, Add	*781.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.71*	
		For Gate With Barb Wire Arm, Add	*494.00*	
		For Vinyl Coated, Add	*1,347.27*	
32 31 13 13-0617	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	9,186.36	1,918.45
		For 1" Mesh Fabric, Add	*2,327.06*	
		For 1-1/4" Mesh Fabric, Add	*1,497.88*	
		For 1-3/4" Mesh Fabric, Add	*930.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-465.41*	
		For Gate With Barb Wire Arm, Add	*588.45*	
		For Vinyl Coated, Add	*1,604.87*	
32 31 13 13-0618	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	11,530.63	2,397.13
		For 1" Mesh Fabric, Add	*2,930.32*	
		For 1-1/4" Mesh Fabric, Add	*1,886.18*	
		For 1-3/4" Mesh Fabric, Add	*1,172.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-586.06*	
		For Gate With Barb Wire Arm, Add	*741.00*	
		For Vinyl Coated, Add	*2,020.91*	
32 31 13 13-0619	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	15,370.34	3,194.30
		For 1" Mesh Fabric, Add	*3,907.10*	
		For 1-1/4" Mesh Fabric, Add	*2,514.92*	
		For 1-3/4" Mesh Fabric, Add	*1,562.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-781.42*	
		For Gate With Barb Wire Arm, Add	*988.00*	
		For Vinyl Coated, Add	*2,694.55*	

32 31 13 13-0620 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0266)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0621	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	7,633.32	532.17
		For 1" Mesh Fabric, Add	*2,857.52*	
		For 1-1/4" Mesh Fabric, Add	*1,839.32*	
		For 1-3/4" Mesh Fabric, Add	*1,143.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-571.50*	
		For Gate With Single Barb Wire Arm, Add	*722.59*	
		For Gate With Double Barb Wire Arm, Add	*1,051.04*	
		For Aluminized Steel Gate And Post, Add	*3,153.12*	
		For Powder Coated Gate And Post, Add	*1,379.49*	
		For Vinyl Coated, Add	*1,970.70*	
32 31 13 13-0622	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	8,346.58	665.20
		For 1" Mesh Fabric, Add	*3,052.03*	
		For 1-1/4" Mesh Fabric, Add	*1,964.53*	
		For 1-3/4" Mesh Fabric, Add	*1,220.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-610.41*	
		For Gate With Single Barb Wire Arm, Add	*771.78*	
		For Gate With Double Barb Wire Arm, Add	*1,122.59*	
		For Aluminized Steel Gate And Post, Add	*3,367.76*	
		For Powder Coated Gate And Post, Add	*1,473.40*	
		For Vinyl Coated, Add	*2,104.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0623	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	9,065.98	798.24
		For 1" Mesh Fabric, Add	*3,249.23*	
		For 1-1/4" Mesh Fabric, Add	*2,091.46*	
		For 1-3/4" Mesh Fabric, Add	*1,299.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-649.85*	
		For Gate With Single Barb Wire Arm, Add	*821.64*	
		For Gate With Double Barb Wire Arm, Add	*1,195.12*	
		For Aluminized Steel Gate And Post, Add	*3,585.36*	
		For Powder Coated Gate And Post, Add	*1,568.59*	
		For Vinyl Coated, Add	*2,240.85*	
32 31 13 13-0624	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	10,594.06	1,064.32
		For 1" Mesh Fabric, Add	*3,682.45*	
		For 1-1/4" Mesh Fabric, Add	*2,370.31*	
		For 1-3/4" Mesh Fabric, Add	*1,472.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-736.49*	
		For Gate With Single Barb Wire Arm, Add	*931.20*	
		For Gate With Double Barb Wire Arm, Add	*1,354.47*	
		For Aluminized Steel Gate And Post, Add	*4,063.40*	
		For Powder Coated Gate And Post, Add	*1,777.74*	
		For Vinyl Coated, Add	*2,539.62*	
32 31 13 13-0625	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	9,821.34	1,064.32
		For 1" Mesh Fabric, Add	*3,346.32*	
		For 1-1/4" Mesh Fabric, Add	*2,153.95*	
		For 1-3/4" Mesh Fabric, Add	*1,338.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.26*	
		For Gate With Single Barb Wire Arm, Add	*846.20*	
		For Gate With Double Barb Wire Arm, Add	*1,230.83*	
		For Aluminized Steel Gate And Post, Add	*3,692.49*	
		For Powder Coated Gate And Post, Add	*1,615.46*	
		For Vinyl Coated, Add	*2,307.81*	
32 31 13 13-0626	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	11,457.36	1,396.93
		For 1" Mesh Fabric, Add	*3,768.63*	
		For 1-1/4" Mesh Fabric, Add	*2,425.78*	
		For 1-3/4" Mesh Fabric, Add	*1,507.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-753.73*	
		For Gate With Single Barb Wire Arm, Add	*952.99*	
		For Gate With Double Barb Wire Arm, Add	*1,386.16*	
		For Aluminized Steel Gate And Post, Add	*4,158.48*	
		For Powder Coated Gate And Post, Add	*1,819.34*	
		For Vinyl Coated, Add	*2,599.05*	
32 31 13 13-0627	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	15,233.99	1,729.53
		For 1" Mesh Fabric, Add	*5,122.09*	
		For 1-1/4" Mesh Fabric, Add	*3,296.98*	
		For 1-3/4" Mesh Fabric, Add	*2,048.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,024.42*	
		For Gate With Single Barb Wire Arm, Add	*1,295.24*	
		For Gate With Double Barb Wire Arm, Add	*1,883.99*	
		For Aluminized Steel Gate And Post, Add	*5,651.97*	
		For Powder Coated Gate And Post, Add	*2,472.74*	
		For Vinyl Coated, Add	*3,532.48*	
32 31 13 13-0628	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	17,119.37	2,062.13
		For 1" Mesh Fabric, Add	*5,652.87*	
		For 1-1/4" Mesh Fabric, Add	*3,638.63*	
		For 1-3/4" Mesh Fabric, Add	*2,261.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,130.57*	
		For Gate With Single Barb Wire Arm, Add	*1,429.46*	
		For Gate With Double Barb Wire Arm, Add	*2,079.22*	
		For Aluminized Steel Gate And Post, Add	*6,237.65*	
		For Powder Coated Gate And Post, Add	*2,728.97*	
		For Vinyl Coated, Add	*3,898.53*	
32 31 13 13-0629	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	20,117.51	2,261.70
		For 1" Mesh Fabric, Add	*6,783.45*	
		For 1-1/4" Mesh Fabric, Add	*4,366.36*	
		For 1-3/4" Mesh Fabric, Add	*2,713.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,356.69*	
		For Gate With Single Barb Wire Arm, Add	*1,715.35*	
		For Gate With Double Barb Wire Arm, Add	*2,495.06*	
		For Aluminized Steel Gate And Post, Add	*7,485.18*	
		For Powder Coated Gate And Post, Add	*3,274.77*	
		For Vinyl Coated, Add	*4,678.24*	
32 31 13 13-0630	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	11,462.08	1,330.41
		For 1" Mesh Fabric, Add	*3,828.55*	
		For 1-1/4" Mesh Fabric, Add	*2,464.35*	
		For 1-3/4" Mesh Fabric, Add	*1,531.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-765.71*	
		For Gate With Single Barb Wire Arm, Add	*968.14*	
		For Gate With Double Barb Wire Arm, Add	*1,408.20*	
		For Aluminized Steel Gate And Post, Add	*4,224.60*	
		For Powder Coated Gate And Post, Add	*1,848.26*	
		For Vinyl Coated, Add	*2,640.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0631	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	13,502.43	1,796.05
		For 1" Mesh Fabric, Add	*4,310.99*	
		For 1-1/4" Mesh Fabric, Add	*2,774.89*	
		For 1-3/4" Mesh Fabric, Add	*1,724.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-862.20*	
		For Gate With Single Barb Wire Arm, Add	*1,090.14*	
		For Gate With Double Barb Wire Arm, Add	*1,585.65*	
		For Aluminized Steel Gate And Post, Add	*4,756.96*	
		For Powder Coated Gate And Post, Add	*2,081.17*	
		For Vinyl Coated, Add	*2,973.10*	
32 31 13 13-0632	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	17,992.86	2,261.70
		For 1" Mesh Fabric, Add	*5,859.22*	
		For 1-1/4" Mesh Fabric, Add	*3,771.45*	
		For 1-3/4" Mesh Fabric, Add	*2,343.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,171.84*	
		For Gate With Single Barb Wire Arm, Add	*1,481.64*	
		For Gate With Double Barb Wire Arm, Add	*2,155.12*	
		For Aluminized Steel Gate And Post, Add	*6,465.35*	
		For Powder Coated Gate And Post, Add	*2,828.59*	
		For Vinyl Coated, Add	*4,040.84*	
32 31 13 13-0633	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	20,185.18	2,660.82
		For 1" Mesh Fabric, Add	*6,465.64*	
		For 1-1/4" Mesh Fabric, Add	*4,161.79*	
		For 1-3/4" Mesh Fabric, Add	*2,586.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,293.13*	
		For Gate With Single Barb Wire Arm, Add	*1,634.99*	
		For Gate With Double Barb Wire Arm, Add	*2,378.17*	
		For Aluminized Steel Gate And Post, Add	*7,134.50*	
		For Powder Coated Gate And Post, Add	*3,121.35*	
		For Vinyl Coated, Add	*4,459.07*	
32 31 13 13-0634	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	23,690.05	2,926.90
		For 1" Mesh Fabric, Add	*7,758.77*	
		For 1-1/4" Mesh Fabric, Add	*4,994.15*	
		For 1-3/4" Mesh Fabric, Add	*3,103.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,551.75*	
		For Gate With Single Barb Wire Arm, Add	*1,961.99*	
		For Gate With Double Barb Wire Arm, Add	*2,853.80*	
		For Aluminized Steel Gate And Post, Add	*8,561.40*	
		For Powder Coated Gate And Post, Add	*3,745.61*	
		For Vinyl Coated, Add	*5,350.88*	
32 31 13 13-0635	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	13,094.39	1,596.49
		For 1" Mesh Fabric, Add	*4,307.12*	
		For 1-1/4" Mesh Fabric, Add	*2,772.40*	
		For 1-3/4" Mesh Fabric, Add	*1,722.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-861.42*	
		For Gate With Single Barb Wire Arm, Add	*1,089.16*	
		For Gate With Double Barb Wire Arm, Add	*1,584.23*	
		For Aluminized Steel Gate And Post, Add	*4,752.68*	
		For Powder Coated Gate And Post, Add	*2,079.30*	
		For Vinyl Coated, Add	*2,970.43*	
32 31 13 13-0636	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	15,149.50	2,062.13
		For 1" Mesh Fabric, Add	*4,795.98*	
		For 1-1/4" Mesh Fabric, Add	*3,087.07*	
		For 1-3/4" Mesh Fabric, Add	*1,918.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-959.20*	
		For Gate With Single Barb Wire Arm, Add	*1,212.78*	
		For Gate With Double Barb Wire Arm, Add	*1,764.04*	
		For Aluminized Steel Gate And Post, Add	*5,292.12*	
		For Powder Coated Gate And Post, Add	*2,315.30*	
		For Vinyl Coated, Add	*3,307.57*	
32 31 13 13-0637	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	19,942.63	2,394.73
		For 1" Mesh Fabric, Add	*6,591.63*	
		For 1-1/4" Mesh Fabric, Add	*4,242.89*	
		For 1-3/4" Mesh Fabric, Add	*2,636.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,318.33*	
		For Gate With Single Barb Wire Arm, Add	*1,666.85*	
		For Gate With Double Barb Wire Arm, Add	*2,424.51*	
		For Aluminized Steel Gate And Post, Add	*7,273.52*	
		For Powder Coated Gate And Post, Add	*3,182.17*	
		For Vinyl Coated, Add	*4,545.95*	
32 31 13 13-0638	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	22,309.21	2,793.85
		For 1" Mesh Fabric, Add	*7,273.85*	
		For 1-1/4" Mesh Fabric, Add	*4,682.02*	
		For 1-3/4" Mesh Fabric, Add	*2,909.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,454.77*	
		For Gate With Single Barb Wire Arm, Add	*1,839.37*	
		For Gate With Double Barb Wire Arm, Add	*2,675.44*	
		For Aluminized Steel Gate And Post, Add	*8,026.32*	
		For Powder Coated Gate And Post, Add	*3,511.52*	
		For Vinyl Coated, Add	*5,016.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	26,185.66	3,059.94
		For 1" Mesh Fabric, Add	*8,728.62*	
		For 1-1/4" Mesh Fabric, Add	*5,618.42*	
		For 1-3/4" Mesh Fabric, Add	*3,491.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,745.72*	
		For Gate With Single Barb Wire Arm, Add	*2,207.24*	
		For Gate With Double Barb Wire Arm, Add	*3,210.53*	
		For Aluminized Steel Gate And Post, Add	*9,631.58*	
		For Powder Coated Gate And Post, Add	*4,213.82*	
		For Vinyl Coated, Add	*6,019.74*	
32 31 13 13-0640	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	15,473.80	1,796.05
		For 1" Mesh Fabric, Add	*5,168.54*	
		For 1-1/4" Mesh Fabric, Add	*3,326.88*	
		For 1-3/4" Mesh Fabric, Add	*2,067.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,033.71*	
		For Gate With Single Barb Wire Arm, Add	*1,306.99*	
		For Gate With Double Barb Wire Arm, Add	*1,901.07*	
		For Aluminized Steel Gate And Post, Add	*5,703.22*	
		For Powder Coated Gate And Post, Add	*2,495.16*	
		For Vinyl Coated, Add	*3,564.51*	
32 31 13 13-0641	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	17,902.32	2,261.70
		For 1" Mesh Fabric, Add	*5,819.84*	
		For 1-1/4" Mesh Fabric, Add	*3,746.10*	
		For 1-3/4" Mesh Fabric, Add	*2,327.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,163.97*	
		For Gate With Single Barb Wire Arm, Add	*1,471.68*	
		For Gate With Double Barb Wire Arm, Add	*2,140.63*	
		For Aluminized Steel Gate And Post, Add	*6,421.89*	
		For Powder Coated Gate And Post, Add	*2,809.58*	
		For Vinyl Coated, Add	*4,013.68*	
32 31 13 13-0642	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	23,372.39	2,594.30
		For 1" Mesh Fabric, Add	*7,909.95*	
		For 1-1/4" Mesh Fabric, Add	*5,091.46*	
		For 1-3/4" Mesh Fabric, Add	*3,163.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,581.99*	
		For Gate With Single Barb Wire Arm, Add	*2,000.22*	
		For Gate With Double Barb Wire Arm, Add	*2,909.41*	
		For Aluminized Steel Gate And Post, Add	*8,728.22*	
		For Powder Coated Gate And Post, Add	*3,818.60*	
		For Vinyl Coated, Add	*5,455.14*	
32 31 13 13-0643	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	25,919.58	2,926.90
		For 1" Mesh Fabric, Add	*8,728.62*	
		For 1-1/4" Mesh Fabric, Add	*5,618.42*	
		For 1-3/4" Mesh Fabric, Add	*3,491.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,745.72*	
		For Gate With Single Barb Wire Arm, Add	*2,207.24*	
		For Gate With Double Barb Wire Arm, Add	*3,210.53*	
		For Aluminized Steel Gate And Post, Add	*9,631.58*	
		For Powder Coated Gate And Post, Add	*4,213.82*	
		For Vinyl Coated, Add	*6,019.74*	
32 31 13 13-0644	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	29,424.47	3,192.97
		For 1" Mesh Fabric, Add	*10,021.75*	
		For 1-1/4" Mesh Fabric, Add	*6,450.78*	
		For 1-3/4" Mesh Fabric, Add	*4,008.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-2,004.35*	
		For Gate With Single Barb Wire Arm, Add	*2,534.24*	
		For Gate With Double Barb Wire Arm, Add	*3,686.16*	
		For Aluminized Steel Gate And Post, Add	*11,058.48*	
		For Powder Coated Gate And Post, Add	*4,838.09*	
		For Vinyl Coated, Add	*6,911.55*	

32 31 13 13-0645 Gate Accessories *(32 31 13 13-0266)*

32 31 13 13-0646	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	70.66	17.90
32 31 13 13-0647	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	81.17	17.90
32 31 13 13-0648	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	148.69	17.90
32 31 13 13-0649	EA	Gate Center Stop, Cast Steel, Ground	39.07	
32 31 13 13-0650	EA	Gate Latch, Malleable Galvanized Steel	54.33	
32 31 13 13-0651	EA	Gate Keeper, Full Length, Galvanized Steel	249.19	
32 31 13 13-0652	EA	Gate Keeper Hold-Open For Cantilever Gate	117.76	21.03
32 31 13 13-0653	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	65.83	
32 31 13 13-0654	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,140.31	
32 31 13 13-0655	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,222.23	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,304.14	
32 31 13 13-0657	LF	Aluminum V-Groove Gate Track	67.06	11.67
32 31 13 13-0658	LF	Galvanized Steel V-Groove Gate Track	48.71	11.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0659		**Vertical-Pivot Lift Gate** *(32 31 13 13-0266)* Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0660	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	29,843.51	997.81
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0661	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	30,242.63	1,197.36
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0662	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	30,641.75	1,396.93
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0663	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	31,390.06	1,596.49
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0664	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	32,120.91	1,796.05
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0665	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	31,123.12	1,297.15
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0666	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	31,522.24	1,496.70
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0667	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	31,921.36	1,696.27
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0668	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	32,512.54	1,895.83
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0669	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	33,400.52	2,095.39
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0670		**Reinforced Gate** *(32 31 13 13-0266)* Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31 13 13-0671	LF	Reinforced Single Gate, 4' High, Galvanized	582.90	13.29
		For Vinyl Coated, Add	*333.80*	
		For Powder Coated, Add	*445.06*	
		For Aluminum Coated, Add	*695.41*	
32 31 13 13-0672	LF	Reinforced Single Gate, 5' High, Galvanized	625.46	14.39
		For Vinyl Coated, Add	*358.01*	
		For Powder Coated, Add	*477.34*	
		For Aluminum Coated, Add	*745.85*	
32 31 13 13-0673	LF	Reinforced Single Gate, 6' High, Galvanized	667.70	16.05
		For Vinyl Coated, Add	*381.36*	
		For Powder Coated, Add	*508.48*	
		For Aluminum Coated, Add	*794.50*	
32 31 13 13-0674	LF	Reinforced Single Gate, 7' High, Galvanized	707.49	17.16
		For Vinyl Coated, Add	*403.90*	
		For Powder Coated, Add	*538.54*	
		For Aluminum Coated, Add	*841.46*	
32 31 13 13-0675	LF	Reinforced Single Gate, 8' High, Galvanized	748.80	19.37
		For Vinyl Coated, Add	*426.04*	
		For Powder Coated, Add	*568.05*	
		For Aluminum Coated, Add	*887.58*	
32 31 13 13-0676	LF	Reinforced Double Gate, 4' High, Galvanized	399.20	13.29
		For Vinyl Coated, Add	*223.58*	
		For Powder Coated, Add	*298.10*	
		For Aluminum Coated, Add	*465.79*	
32 31 13 13-0677	LF	Reinforced Double Gate, 5' High, Galvanized	448.03	14.39
		For Vinyl Coated, Add	*251.55*	
		For Powder Coated, Add	*335.40*	
		For Aluminum Coated, Add	*524.06*	
32 31 13 13-0678	LF	Reinforced Double Gate, 6' High, Galvanized	496.29	16.05
		For Vinyl Coated, Add	*278.51*	
		For Powder Coated, Add	*371.35*	
		For Aluminum Coated, Add	*580.24*	
32 31 13 13-0679	LF	Reinforced Double Gate, 7' High, Galvanized	636.46	17.16
		For Vinyl Coated, Add	*361.28*	
		For Powder Coated, Add	*481.71*	
		For Aluminum Coated, Add	*752.68*	
32 31 13 13-0680	LF	Reinforced Double Gate, 8' High, Galvanized	775.50	19.37
		For Vinyl Coated, Add	*442.06*	
		For Powder Coated, Add	*589.41*	
		For Aluminum Coated, Add	*920.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0681		**Accessories** *(32 31 13 13)*		
32 31 13 13-0682		**Barbed And Concertina Wire** *(32 31 13 13-0681)*		
32 31 13 13-0683		**Single Strand Barbed Wire** *(32 31 13 13-0682)*		
32 31 13 13-0684	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.25	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0685	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.30	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0686	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.41	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0687	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	17.53	8.85
32 31 13 13-0688	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	29.99	10.63
32 31 13 13-0689	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	14.59	8.85
32 31 13 13-0690		**Galvanized Steel Concertina (Razor) Wire, Single Coil** *(32 31 13 13-0682)*		
32 31 13 13-0691	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.08	0.77
		For >500 To 1,500, Deduct	*-0.51*	
		For >1,500 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.44*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*4.97*	
32 31 13 13-0692	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.17	0.77
		For >500 To 1,500, Deduct	*-0.77*	
		For >1,500 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-2.17*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*7.51*	
32 31 13 13-0693	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	12.15	0.77
		For >500 To 1,500, Deduct	*-1.02*	
		For >1,500 To 5,000, Deduct	*-2.04*	
		For >5,000, Deduct	*-2.87*	
		For Ground Installation, Deduct	*-1.11*	
		For Double Coil (Helix), Add	*9.94*	
32 31 13 13-0694	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.69	0.77
		For >500 To 1,500, Deduct	*-0.86*	
		For >1,500 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-2.38*	
		For Ground Installation, Deduct	*-0.62*	
		For Double Coil (Helix), Add	*9.46*	
32 31 13 13-0695	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.15	0.77
		For >500 To 1,500, Deduct	*-1.30*	
		For >1,500 To 5,000, Deduct	*-2.61*	
		For >5,000, Deduct	*-3.60*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*14.31*	
32 31 13 13-0696	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	21.34	0.77
		For >500 To 1,500, Deduct	*-1.72*	
		For >1,500 To 5,000, Deduct	*-3.45*	
		For >5,000, Deduct	*-4.76*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*18.90*	
32 31 13 13-0697	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	35.04	0.77
		For >500 To 1,500, Deduct	*-2.70*	
		For >1,500 To 5,000, Deduct	*-5.39*	
		For >5,000, Deduct	*-7.28*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*33.66*	
32 31 13 13-0698	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	53.05	0.77
		For >500 To 1,500, Deduct	*-4.08*	
		For >1,500 To 5,000, Deduct	*-8.17*	
		For >5,000, Deduct	*-11.03*	
		For Ground Installation, Deduct	*-1.04*	
		For Double Coil (Helix), Add	*50.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0699	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	70.09	0.77
		For >500 To 1,500, Deduct	*-5.40*	
		For >1,500 To 5,000, Deduct	*-10.79*	
		For >5,000, Deduct	*-14.57*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*67.33*	

32 31 13 13-0700 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0682)*

32 31 13 13-0701	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.62	0.77
		For >500 To 1,500, Deduct	*-0.93*	
		For >1,500 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.55*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*10.51*	
32 31 13 13-0702	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	17.57	0.77
		For >500 To 1,500, Deduct	*-1.40*	
		For >1,500 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-3.85*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*15.91*	
32 31 13 13-0703	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	23.23	0.77
		For >500 To 1,500, Deduct	*-1.85*	
		For >1,500 To 5,000, Deduct	*-3.71*	
		For >5,000, Deduct	*-5.09*	
		For Ground Installation, Deduct	*-1.11*	
		For Double Coil (Helix), Add	*21.02*	
32 31 13 13-0704	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.39	0.77
		For >500 To 1,500, Deduct	*-1.22*	
		For >1,500 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-3.32*	
		For Ground Installation, Deduct	*-0.62*	
		For Double Coil (Helix), Add	*14.16*	
32 31 13 13-0705	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	23.28	0.77
		For >500 To 1,500, Deduct	*-1.84*	
		For >1,500 To 5,000, Deduct	*-3.68*	
		For >5,000, Deduct	*-5.03*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*21.44*	
32 31 13 13-0706	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	30.75	0.77
		For >500 To 1,500, Deduct	*-2.43*	
		For >1,500 To 5,000, Deduct	*-4.86*	
		For >5,000, Deduct	*-6.64*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*28.31*	
32 31 13 13-0707	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	52.83	0.77
		For >500 To 1,500, Deduct	*-4.03*	
		For >1,500 To 5,000, Deduct	*-8.06*	
		For >5,000, Deduct	*-10.84*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*51.45*	
32 31 13 13-0708	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	80.01	0.77
		For >500 To 1,500, Deduct	*-6.10*	
		For >1,500 To 5,000, Deduct	*-12.21*	
		For >5,000, Deduct	*-16.42*	
		For Ground Installation, Deduct	*-1.04*	
		For Double Coil (Helix), Add	*77.94*	
32 31 13 13-0709	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	105.67	0.77
		For >500 To 1,500, Deduct	*-8.06*	
		For >1,500 To 5,000, Deduct	*-16.13*	
		For >5,000, Deduct	*-21.69*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*102.91*	

32 31 13 13-0710 Grounding For Gates *(32 31 13 13-0681)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0711	OPNG	Grounding For Gates Note: Per opening	504.36	

32 31 13 13-0712 Coiled Spring Reinforcing Wire *(32 31 13 13-0681)*

32 31 13 13-0713 Galvanized Steel *(32 31 13 13-0712)*

32 31 13 13-0714	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.33	0.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0715		**Vinyl Coated Steel** *(32 31 13 13-0712)*		
32 31 13 13-0716	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.33	0.55
32 31 13 13-0717		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0681)*		
		Note: Only where specified.		
32 31 13 13-0718	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.72	
32 31 13 13-0719	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.50	
32 31 13 13-0720		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0681)*		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0721	EA	Mounting Plate For 1-5/8" Diameter Post	49.41	
32 31 13 13-0722	EA	Mounting Plate For 2" Diameter Post	50.23	
32 31 13 13-0723	EA	Mounting Plate For 2-1/2" Diameter Post	51.64	
32 31 13 13-0724	EA	Mounting Plate For 3" Diameter Post	62.30	
32 31 13 13-0725	EA	Mounting Plate For 4" Diameter Post	71.69	
32 31 13 13-0726	EA	Mounting Plate For 6-5/8" Diameter Post	83.15	
32 31 13 13-0727	EA	Mounting Plate For 8-5/8" Diameter Post	98.12	
32 31 13 13-0728		**Tension Bar** *(32 31 13 13-0681)*		
32 31 13 13-0729	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	19.27	
32 31 13 13-0730	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	20.54	
32 31 13 13-0731	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	25.77	
32 31 13 13-0732	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	30.01	
32 31 13 13-0733	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	35.73	
32 31 13 13-0734	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.69	
32 31 13 13-0735	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	47.21	
32 31 13 13-0736	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	57.02	
32 31 13 13-0737	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	68.31	
32 31 13 13-0738		**Truss Rods** *(32 31 13 13-0681)*		
32 31 13 13-0739	LF	3/8" Diameter Truss Rods	2.37	0.60
32 31 13 13-0740		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0741		**Fence And Gate Parts Replacement** *(32 31 13 13-0740)*		
32 31 13 13-0742	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	142.46	
32 31 13 13-0743	EA	Sliding Gate Roller Assembly Replacement	139.07	
32 31 13 13-0744	EA	Rod And Lock Gate Keeper Replacement	142.15	
32 31 13 13-0745	EA	Galvanized Gate Holdback Replacement	30.65	
32 31 13 13-0746	LF	3/8" Cross Bracing Rod Replacement	1.80	
32 31 13 13-0747	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.84	
32 31 13 13-0748	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.56	
32 31 13 13-0749	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.67	
32 31 13 13-0750	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.89	
32 31 13 13-0751	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	54.69	
32 31 13 13-0752	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	94.81	
32 31 13 13-0753	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	29.04	
32 31 13 13-0754	EA	3" x 2" Off Set Gate Hinge Replacement	30.30	
32 31 13 13-0755	EA	4" x 2" Off Set Gate Hinge Replacement	32.31	
32 31 13 13-0756	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	53.34	
32 31 13 13-0757	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	84.53	
32 31 13 13-0758	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.64	
32 31 13 13-0759	EA	2" Aluminum Die-Cast Post Cap Replacement	7.30	
32 31 13 13-0760	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	8.66	
32 31 13 13-0761	EA	3" Aluminum Die-Cast Post Cap Replacement	10.20	
32 31 13 13-0762	EA	2" Galvanized Post Cap Replacement	7.07	
32 31 13 13-0763	EA	2-1/2" Galvanized Post Cap Replacement	7.65	
32 31 13 13-0764	EA	3" Galvanized Post Cap Replacement	8.77	
32 31 13 13-0765	EA	4" Galvanized Post Cap Replacement	13.18	
32 31 13 13-0766	EA	6-5/8" Galvanized Post Cap Replacement	25.19	
32 31 13 13-0767	EA	8-5/8" Galvanized Post Cap Replacement	41.53	
32 31 13 13-0768	EA	1-5/8" Boulevard Clamp Replacement	11.74	
32 31 13 13-0769	EA	2" Boulevard Clamp Replacement	14.31	
32 31 13 13-0770	EA	2-1/2" Boulevard Clamp Replacement	16.80	
32 31 13 13-0771	EA	3" Boulevard Clamp Replacement	20.38	
32 31 13 13-0772	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.49	
32 31 13 13-0773	EA	2" Gate Brace Or End Rail Clamp Replacement	13.98	
32 31 13 13-0774	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	16.46	
32 31 13 13-0775	EA	3" Gate Brace Or End Rail Clamp Replacement	20.02	
32 31 13 13-0776	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.12	
32 31 13 13-0777	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.23	
32 31 13 13-0778	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.52	
32 31 13 13-0779	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.39	
32 31 13 13-0780	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0781	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.78	
32 31 13 13-0782	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	13.30	
32 31 13 13-0783	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	17.07	
32 31 13 13-0784		**Removal And Reinstallation Of Chain Link Fences** *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0785	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	22.14	
32 31 13 13-0786	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	33.21	
32 31 13 13-0787		**Ballfield Fencing** *(32 31 13 13)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0788		**Concrete Bases For Ballfield Poles, Cast In Place** *(32 31 13 13-0787)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0789	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	145.33	
32 31 13 13-0790	VLF	3' Diameter Concrete Base For Ballfield Poles	171.25	
32 31 13 13-0791	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	214.98	
32 31 13 13-0792	VLF	4' Diameter Concrete Base For Ballfield Poles	253.88	
32 31 13 13-0793		**Ballfield Poles** *(32 31 13 13-0787)*		
32 31 13 13-0794	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,621.89	756.81
32 31 13 13-0795	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,695.74	946.02
32 31 13 13-0796	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	12,296.17	1,135.21
32 31 13 13-0797	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	16,515.56	1,324.42
32 31 13 13-0798	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	22,113.22	1,513.62
32 31 13 13-0799	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	24,711.80	1,702.82
32 31 13 13-0800		**Ballfield Nylon Netting** *(32 31 13 13-0787)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0801	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.98	
32 31 13 13-0802	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.03	
32 31 13 13-0803	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.26	
32 31 13 13-0804	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.54	
32 31 13 13-0805	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.82	
32 31 13 13-0806	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.74	
32 31 13 13-0807	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.22	
32 31 13 13-0808	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.49	
32 31 13 13-0809		**Ballfield Chainlink Netting** *(32 31 13 13-0787)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0810	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	4.25	1.42
		For 13 Gauge Fabric, Deduct	*-0.63*	
		For 11 Gauge Fabric, Deduct	*-0.35*	
		For 6 Gauge Fabric, Add	*1.13*	
		For 1" Mesh Fabric, Add	*1.06*	
		For 1-3/4" Mesh Fabric, Add	*0.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.21*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.28*	
32 31 13 13-0811		**Ballfield Netting Accessories** *(32 31 13 13-0787)*		
32 31 13 13-0812	EA	Sliding Clip For Ballfield Netting	9.74	
32 31 13 13-0813	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.39	
32 31 13 13-0814	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.60	
32 31 13 13-0815	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.92	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	14,218.13	2,176.92
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	20,558.73	2,902.56
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	26,265.70	3,386.32
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,139.02	2,176.92
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	29,418.26	2,902.56
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	37,957.22	3,386.32
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	15.39	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	18.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0010		**Regulation Softball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0011		**14' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	12,219.27	2,313.71
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	16,465.82	2,313.71
32 31 13 33-0014		**18' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	14,277.64	2,572.21
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	19,414.60	2,572.21
32 31 13 33-0017		**20' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	16,186.53	2,712.03
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	22,282.46	2,712.03
32 31 13 33-0020		**22' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	18,665.01	2,793.85
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	25,993.75	2,793.85
32 31 13 33-0023		**24' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	22,240.44	3,192.97
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	31,349.99	3,192.97
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		**Welded Wire Fence** *(32 31 16)*		
32 31 16 00-0002		**12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh** *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.79	1.93
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.67	1.93
32 31 16 00-0005		**14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh** *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.61	1.93
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	11.39	1.93
32 31 19		**Decorative Metal Fences and Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		**Wrought Iron Fence** *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		**Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center** *(32 31 19 00-0001)* Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	60.64	12.18
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.80*	
		For Verticals Up To 2" On Center, Add	*11.61*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.26*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.90*	
		For Verticals >4" To 6" On Center, Deduct	*-3.27*	
		For Pickets Extending Above Top Rail, Add	*5.75*	
		For Curved Pickets Extending Above Top Rail, Add	*13.62*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	78.00	15.50
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*13.79*	
		For Verticals Up To 2" On Center, Add	*15.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.62*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.85*	
		For Verticals >4" To 6" On Center, Deduct	*-4.33*	
		For Pickets Extending Above Top Rail, Add	*7.51*	
		For Curved Pickets Extending Above Top Rail, Add	*17.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0005	LF	5' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	93.19	16.16
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*16.26*	
		For Verticals Up To 2" On Center, Add	*19.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.13*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.85*	
		For Verticals >4" To 6" On Center, Deduct	*-5.46*	
		For Pickets Extending Above Top Rail, Add	*9.21*	
		For Curved Pickets Extending Above Top Rail, Add	*22.15*	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	112.89	19.48
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.67*	
		For Verticals Up To 2" On Center, Add	*23.63*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.77*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.91*	
		For Verticals >4" To 6" On Center, Deduct	*-6.65*	
		For Pickets Extending Above Top Rail, Add	*11.18*	
		For Curved Pickets Extending Above Top Rail, Add	*26.93*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	133.00	20.61
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*22.84*	
		For Verticals Up To 2" On Center, Add	*29.37*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.35*	
		For Verticals >2-1/2" To 3" On Center, Add	*7.34*	
		For Verticals >4" To 6" On Center, Deduct	*-8.26*	
		For Pickets Extending Above Top Rail, Add	*13.53*	
		For Curved Pickets Extending Above Top Rail, Add	*32.92*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	153.10	21.70
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*26.00*	
		For Verticals Up To 2" On Center, Add	*35.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*21.94*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.78*	
		For Verticals >4" To 6" On Center, Deduct	*-9.87*	
		For Pickets Extending Above Top Rail, Add	*15.88*	
		For Curved Pickets Extending Above Top Rail, Add	*38.91*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	186.89	24.35
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*31.44*	
		For Verticals Up To 2" On Center, Add	*44.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*27.64*	
		For Verticals >2-1/2" To 3" On Center, Add	*11.06*	
		For Verticals >4" To 6" On Center, Deduct	*-12.44*	
		For Pickets Extending Above Top Rail, Add	*19.71*	
		For Curved Pickets Extending Above Top Rail, Add	*48.56*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	221.28	27.67
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*37.07*	
		For Verticals Up To 2" On Center, Add	*53.10*	
		For Verticals >2" To 2-1/2" On Center, Add	*33.19*	
		For Verticals >2-1/2" To 3" On Center, Add	*13.27*	
		For Verticals >4" To 6" On Center, Deduct	*-14.93*	
		For Pickets Extending Above Top Rail, Add	*23.51*	
		For Curved Pickets Extending Above Top Rail, Add	*58.08*	

32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	74.88	14.84
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	98.28	18.37
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	120.36	22.14
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	146.38	26.57
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	198.12	29.44
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	240.77	32.54
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	282.57	36.97

32 31 19 00-0020 Double Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	91.71	13.29
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	120.54	16.60
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	147.04	19.92
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	178.37	23.91
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	242.52	26.57
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	295.19	29.22
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	347.01	33.21

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence *(32 31 19 00-0001)*

32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	22.46	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	33.84	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	88.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)* Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, With Two 1" Square, 16 Gauge Rails** *(32 31 19 00-0032)* Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	84.62	12.18
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.08*	
		For Verticals >3" To 4" On Center, Deduct	*-6.08*	
		For Verticals >4" To 6" On Center, Deduct	*-12.15*	
		For Pickets Extending Above Top Rail, Add	*6.36*	
		For Curved Pickets Extending Above Top Rail, Add	*11.21*	
		For Solid Pickets, Add	*17.25*	
		For Aluminum With Satin Finish, Add	*14.65*	
		For Third Rail, Add	*4.56*	
		For 1" Square x 14 Gauge Pickets, Add	*15.19*	
		For 3" Square Posts, Add	*7.60*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	90.49	13.02
		For Verticals Up To 2" On Center, Add	*12.89*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.45*	
		For Verticals >3" To 4" On Center, Deduct	*-6.45*	
		For Verticals >4" To 6" On Center, Deduct	*-12.89*	
		For Pickets Extending Above Top Rail, Add	*6.78*	
		For Curved Pickets Extending Above Top Rail, Add	*11.94*	
		For Solid Pickets, Add	*18.41*	
		For Aluminum With Satin Finish, Add	*15.43*	
		For Third Rail, Add	*4.83*	
		For 1" Square x 14 Gauge Pickets, Add	*16.12*	
		For 3" Square Posts, Add	*8.06*	
32 31 19 00-0036	LF	4' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	95.70	14.39
		For Verticals Up To 2" On Center, Add	*13.50*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.75*	
		For Verticals >3" To 4" On Center, Deduct	*-6.75*	
		For Verticals >4" To 6" On Center, Deduct	*-13.50*	
		For Pickets Extending Above Top Rail, Add	*7.15*	
		For Curved Pickets Extending Above Top Rail, Add	*12.58*	
		For Solid Pickets, Add	*19.42*	
		For Aluminum With Satin Finish, Add	*16.02*	
		For Third Rail, Add	*5.06*	
		For 1" Square x 14 Gauge Pickets, Add	*16.87*	
		For 3" Square Posts, Add	*8.44*	
32 31 19 00-0037	LF	5' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	101.72	16.16
		For Verticals Up To 2" On Center, Add	*13.84*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.92*	
		For Verticals >3" To 4" On Center, Deduct	*-6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-13.84*	
		For Pickets Extending Above Top Rail, Add	*7.51*	
		For Curved Pickets Extending Above Top Rail, Add	*13.16*	
		For Solid Pickets, Add	*20.45*	
		For Aluminum With Satin Finish, Add	*15.87*	
		For Third Rail, Add	*5.19*	
		For 1" Square x 14 Gauge Pickets, Add	*17.30*	
		For 3" Square Posts, Add	*8.65*	
32 31 19 00-0038	LF	6' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	118.07	18.27
		For Verticals Up To 2" On Center, Add	*16.31*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.15*	
		For Verticals >3" To 4" On Center, Deduct	*-8.15*	
		For Verticals >4" To 6" On Center, Deduct	*-16.31*	
		For Pickets Extending Above Top Rail, Add	*8.76*	
		For Curved Pickets Extending Above Top Rail, Add	*15.38*	
		For Solid Pickets, Add	*23.83*	
		For Aluminum With Satin Finish, Add	*18.98*	
		For Third Rail, Add	*6.12*	
		For 1" Square x 14 Gauge Pickets, Add	*20.39*	
		For 3" Square Posts, Add	*10.19*	
32 31 19 00-0039	LF	7' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	135.37	19.92
		For Verticals Up To 2" On Center, Add	*19.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.55*	
		For Verticals >3" To 4" On Center, Deduct	*-9.55*	
		For Verticals >4" To 6" On Center, Deduct	*-19.11*	
		For Pickets Extending Above Top Rail, Add	*10.11*	
		For Curved Pickets Extending Above Top Rail, Add	*17.80*	
		For Solid Pickets, Add	*27.47*	
		For Aluminum With Satin Finish, Add	*22.68*	
		For Third Rail, Add	*7.16*	
		For 1" Square x 14 Gauge Pickets, Add	*23.88*	
		For 4" Square Posts, Add	*33.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0040	LF	8' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	152.91	21.70
		For Verticals Up To 2" On Center, Add	*21.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.95*	
		For Verticals >3" To 4" On Center, Deduct	*-10.95*	
		For Verticals >4" To 6" On Center, Deduct	*-21.90*	
		For Pickets Extending Above Top Rail, Add	*11.48*	
		For Curved Pickets Extending Above Top Rail, Add	*20.23*	
		For Solid Pickets, Add	*31.15*	
		For Aluminum With Satin Finish, Add	*26.35*	
		For Third Rail, Add	*8.21*	
		For 1" Square x 14 Gauge Pickets, Add	*27.38*	
		For 4" Square Posts, Add	*38.33*	
32 31 19 00-0041	LF	9' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	178.18	23.25
		For Verticals Up To 2" On Center, Add	*26.34*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.17*	
		For Verticals >3" To 4" On Center, Deduct	*-13.17*	
		For Verticals >4" To 6" On Center, Deduct	*-26.34*	
		For Pickets Extending Above Top Rail, Add	*13.52*	
		For Curved Pickets Extending Above Top Rail, Add	*23.90*	
		For Solid Pickets, Add	*36.60*	
		For Aluminum With Satin Finish, Add	*32.53*	
		For Third Rail, Add	*9.88*	
		For 1" Square x 14 Gauge Pickets, Add	*32.92*	
		For 4" Square Posts, Add	*46.09*	
32 31 19 00-0042	LF	10' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	203.68	24.90
		For Verticals Up To 2" On Center, Add	*30.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*15.39*	
		For Verticals >3" To 4" On Center, Deduct	*-15.39*	
		For Verticals >4" To 6" On Center, Deduct	*-30.77*	
		For Pickets Extending Above Top Rail, Add	*15.57*	
		For Curved Pickets Extending Above Top Rail, Add	*27.59*	
		For Solid Pickets, Add	*42.09*	
		For Aluminum With Satin Finish, Add	*38.69*	
		For Third Rail, Add	*11.54*	
		For 1" Square x 14 Gauge Pickets, Add	*38.47*	
		For 6" Square Posts, Add	*53.85*	
32 31 19 00-0043	LF	12' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	240.25	27.67
		For Verticals Up To 2" On Center, Add	*36.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.49*	
		For Verticals >3" To 4" On Center, Deduct	*-18.49*	
		For Verticals >4" To 6" On Center, Deduct	*-36.98*	
		For Pickets Extending Above Top Rail, Add	*18.48*	
		For Curved Pickets Extending Above Top Rail, Add	*32.81*	
		For Solid Pickets, Add	*49.91*	
		For Aluminum With Satin Finish, Add	*47.17*	
		For Third Rail, Add	*13.87*	
		For 1" Square x 14 Gauge Pickets, Add	*46.23*	
		For 6" Square Posts, Add	*64.72*	
32 31 19 00-0044	LF	14' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	257.30	29.88
		For Verticals Up To 2" On Center, Add	*39.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.75*	
		For Verticals >3" To 4" On Center, Deduct	*-19.75*	
		For Verticals >4" To 6" On Center, Deduct	*-39.51*	
		For Pickets Extending Above Top Rail, Add	*19.78*	
		For Curved Pickets Extending Above Top Rail, Add	*35.10*	
		For Solid Pickets, Add	*53.41*	
		For Aluminum With Satin Finish, Add	*50.29*	
		For Third Rail, Add	*14.81*	
		For 1" Square x 14 Gauge Pickets, Add	*49.38*	
		For 6" Square Posts, Add	*69.14*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	766.29	23.57
		For Solid Pickets, Add	*167.10*	
		For Aluminum With Satin Finish, Add	*198.01*	
		For Third Rail, Add	*52.16*	
		For 1" Square x 14 Gauge Pickets, Add	*69.55*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	852.54	24.68
		For Solid Pickets, Add	*186.26*	
		For Aluminum With Satin Finish, Add	*222.39*	
		For Third Rail, Add	*58.38*	
		For 1" Square x 14 Gauge Pickets, Add	*77.84*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	943.67	26.13
		For Solid Pickets, Add	*206.43*	
		For Aluminum With Satin Finish, Add	*247.74*	
		For Third Rail, Add	*64.88*	
		For 1" Square x 14 Gauge Pickets, Add	*86.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	992.55	28.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*217.01*	
		For Aluminum With Satin Finish, Add	*259.91*	
		For Third Rail, Add	*68.13*	
		For 1" Square x 14 Gauge Pickets, Add	*90.84*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,109.04	33.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*241.98*	
		For Aluminum With Satin Finish, Add	*287.38*	
		For Third Rail, Add	*75.62*	
		For 1" Square x 14 Gauge Pickets, Add	*100.83*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,180.30	39.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*256.77*	
		For Aluminum With Satin Finish, Add	*301.29*	
		For Third Rail, Add	*79.72*	
		For 1" Square x 14 Gauge Pickets, Add	*106.30*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,288.48	44.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*279.78*	
		For Aluminum With Satin Finish, Add	*325.78*	
		For Third Rail, Add	*86.51*	
		For 1" Square x 14 Gauge Pickets, Add	*115.34*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,382.35	50.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*299.66*	
		For Aluminum With Satin Finish, Add	*346.47*	
		For Third Rail, Add	*92.30*	
		For 1" Square x 14 Gauge Pickets, Add	*123.07*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,464.91	56.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*316.99*	
		For Aluminum With Satin Finish, Add	*363.77*	
		For Third Rail, Add	*97.25*	
		For 1" Square x 14 Gauge Pickets, Add	*129.67*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,602.13	47.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*349.85*	
		For Aluminum With Satin Finish, Add	*416.88*	
		For Third Rail, Add	*109.53*	
		For 1" Square x 14 Gauge Pickets, Add	*146.05*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,706.97	49.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*372.94*	
		For Aluminum With Satin Finish, Add	*445.35*	
		For Third Rail, Add	*116.90*	
		For 1" Square x 14 Gauge Pickets, Add	*155.87*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,887.32	52.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*412.86*	
		For Aluminum With Satin Finish, Add	*495.47*	
		For Third Rail, Add	*129.76*	
		For 1" Square x 14 Gauge Pickets, Add	*173.02*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,977.68	54.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*432.77*	
		For Aluminum With Satin Finish, Add	*520.08*	
		For Third Rail, Add	*136.12*	
		For 1" Square x 14 Gauge Pickets, Add	*181.50*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	2,051.06	56.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*448.87*	
		For Aluminum With Satin Finish, Add	*539.61*	
		For Third Rail, Add	*141.21*	
		For 1" Square x 14 Gauge Pickets, Add	*188.28*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,308.54	67.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*504.31*	
		For Aluminum With Satin Finish, Add	*601.91*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,530.22	78.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*551.70*	
		For Aluminum With Satin Finish, Add	*653.47*	
		For Third Rail, Add	*172.17*	
		For 1" Square x 14 Gauge Pickets, Add	*229.56*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	2,716.42	89.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*590.94*	
		For Aluminum With Satin Finish, Add	*693.39*	
		For Third Rail, Add	*183.48*	
		For 1" Square x 14 Gauge Pickets, Add	*244.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,872.14	100.95
		For Solid Pickets, Add	*623.48*	
		For Aluminum With Satin Finish, Add	*725.16*	
		For Third Rail, Add	*192.66*	
		For 1" Square x 14 Gauge Pickets, Add	*256.89*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,999.58	112.02
		For Solid Pickets, Add	*649.67*	
		For Aluminum With Satin Finish, Add	*748.45*	
		For Third Rail, Add	*199.73*	
		For 1" Square x 14 Gauge Pickets, Add	*266.31*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	885.14	22.14
		For Solid Pickets, Add	*193.55*	
		For Aluminum With Satin Finish, Add	*231.92*	
		For Third Rail, Add	*60.78*	
		For 1" Square x 14 Gauge Pickets, Add	*81.04*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	957.63	25.79
		For Solid Pickets, Add	*209.66*	
		For Aluminum With Satin Finish, Add	*252.42*	
		For Third Rail, Add	*66.01*	
		For 1" Square x 14 Gauge Pickets, Add	*88.02*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,032.90	27.67
		For Solid Pickets, Add	*226.18*	
		For Aluminum With Satin Finish, Add	*272.52*	
		For Third Rail, Add	*71.24*	
		For 1" Square x 14 Gauge Pickets, Add	*94.99*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,094.98	29.44
		For Solid Pickets, Add	*239.73*	
		For Aluminum With Satin Finish, Add	*288.65*	
		For Third Rail, Add	*75.48*	
		For 1" Square x 14 Gauge Pickets, Add	*100.64*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,180.54	35.42
		For Solid Pickets, Add	*257.65*	
		For Aluminum With Satin Finish, Add	*306.35*	
		For Third Rail, Add	*80.57*	
		For 1" Square x 14 Gauge Pickets, Add	*107.43*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,296.25	41.29
		For Solid Pickets, Add	*282.36*	
		For Aluminum With Satin Finish, Add	*333.09*	
		For Third Rail, Add	*87.92*	
		For 1" Square x 14 Gauge Pickets, Add	*117.23*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,455.32	47.16
		For Solid Pickets, Add	*316.82*	
		For Aluminum With Satin Finish, Add	*372.84*	
		For Third Rail, Add	*98.52*	
		For 1" Square x 14 Gauge Pickets, Add	*131.36*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,610.61	53.13
		For Solid Pickets, Add	*350.43*	
		For Aluminum With Satin Finish, Add	*411.46*	
		For Third Rail, Add	*108.84*	
		For 1" Square x 14 Gauge Pickets, Add	*145.12*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,758.36	59.00
		For Solid Pickets, Add	*382.35*	
		For Aluminum With Satin Finish, Add	*447.81*	
		For Third Rail, Add	*118.59*	
		For 1" Square x 14 Gauge Pickets, Add	*158.13*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,770.27	49.81
		For Solid Pickets, Add	*387.10*	
		For Aluminum With Satin Finish, Add	*463.84*	
		For Third Rail, Add	*121.56*	
		For 1" Square x 14 Gauge Pickets, Add	*162.08*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,915.28	51.58
		For Solid Pickets, Add	*419.32*	
		For Aluminum With Satin Finish, Add	*504.85*	
		For Third Rail, Add	*132.02*	
		For 1" Square x 14 Gauge Pickets, Add	*176.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	2,065.81	55.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*452.36*	
		For Aluminum With Satin Finish, Add	*545.03*	
		For Third Rail, Add	*142.48*	
		For 1" Square x 14 Gauge Pickets, Add	*189.98*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,184.43	57.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*478.63*	
		For Aluminum With Satin Finish, Add	*578.12*	
		For Third Rail, Add	*150.96*	
		For 1" Square x 14 Gauge Pickets, Add	*201.29*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,284.19	59.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*500.66*	
		For Aluminum With Satin Finish, Add	*605.56*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,592.90	70.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*567.46*	
		For Aluminum With Satin Finish, Add	*682.24*	
		For Third Rail, Add	*178.53*	
		For 1" Square x 14 Gauge Pickets, Add	*238.04*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,863.90	82.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*625.78*	
		For Aluminum With Satin Finish, Add	*747.60*	
		For Third Rail, Add	*196.20*	
		For 1" Square x 14 Gauge Pickets, Add	*261.60*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	3,099.11	94.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*676.05*	
		For Aluminum With Satin Finish, Add	*802.22*	
		For Third Rail, Add	*211.18*	
		For 1" Square x 14 Gauge Pickets, Add	*281.57*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,302.26	106.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*719.10*	
		For Aluminum With Satin Finish, Add	*847.23*	
		For Third Rail, Add	*223.76*	
		For 1" Square x 14 Gauge Pickets, Add	*298.35*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,475.26	117.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*755.37*	
		For Aluminum With Satin Finish, Add	*883.19*	
		For Third Rail, Add	*234.08*	
		For 1" Square x 14 Gauge Pickets, Add	*312.11*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	963.29	25.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*210.93*	
		For Aluminum With Satin Finish, Add	*254.12*	
		For Third Rail, Add	*66.44*	
		For 1" Square x 14 Gauge Pickets, Add	*88.58*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	1,015.94	27.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*222.36*	
		For Aluminum With Satin Finish, Add	*267.43*	
		For Third Rail, Add	*69.97*	
		For 1" Square x 14 Gauge Pickets, Add	*93.29*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,066.71	29.44
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*233.37*	
		For Aluminum With Satin Finish, Add	*280.17*	
		For Third Rail, Add	*73.36*	
		For 1" Square x 14 Gauge Pickets, Add	*97.82*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,140.09	31.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*249.46*	
		For Aluminum With Satin Finish, Add	*299.69*	
		For Third Rail, Add	*78.45*	
		For 1" Square x 14 Gauge Pickets, Add	*104.60*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,239.95	37.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*270.52*	
		For Aluminum With Satin Finish, Add	*321.18*	
		For Third Rail, Add	*84.53*	
		For 1" Square x 14 Gauge Pickets, Add	*112.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,371.85	43.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*298.79*	
		For Aluminum With Satin Finish, Add	*352.28*	
		For Third Rail, Add	*93.01*	
		For 1" Square x 14 Gauge Pickets, Add	*124.01*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,555.75	50.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*338.67*	
		For Aluminum With Satin Finish, Add	*398.48*	
		For Third Rail, Add	*105.31*	
		For 1" Square x 14 Gauge Pickets, Add	*140.41*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,734.76	56.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*377.54*	
		For Aluminum With Satin Finish, Add	*443.72*	
		For Third Rail, Add	*117.32*	
		For 1" Square x 14 Gauge Pickets, Add	*156.43*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,910.00	62.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*415.55*	
		For Aluminum With Satin Finish, Add	*487.83*	
		For Third Rail, Add	*129.05*	
		For 1" Square x 14 Gauge Pickets, Add	*172.07*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,895.81	43.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*417.24*	
		For Aluminum With Satin Finish, Add	*512.86*	
		For Third Rail, Add	*132.87*	
		For 1" Square x 14 Gauge Pickets, Add	*177.16*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	2,008.86	50.69
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*441.13*	
		For Aluminum With Satin Finish, Add	*537.46*	
		For Third Rail, Add	*139.80*	
		For 1" Square x 14 Gauge Pickets, Add	*186.40*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,123.13	58.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*465.19*	
		For Aluminum With Satin Finish, Add	*561.87*	
		For Third Rail, Add	*146.72*	
		For 1" Square x 14 Gauge Pickets, Add	*195.63*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,279.52	65.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*498.83*	
		For Aluminum With Satin Finish, Add	*599.48*	
		For Third Rail, Add	*156.90*	
		For 1" Square x 14 Gauge Pickets, Add	*209.20*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,417.07	72.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*528.23*	
		For Aluminum With Satin Finish, Add	*631.43*	
		For Third Rail, Add	*165.67*	
		For 1" Square x 14 Gauge Pickets, Add	*220.89*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,751.17	81.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*601.66*	
		For Aluminum With Satin Finish, Add	*721.25*	
		For Third Rail, Add	*188.99*	
		For 1" Square x 14 Gauge Pickets, Add	*251.98*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	3,051.92	89.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*667.41*	
		For Aluminum With Satin Finish, Add	*799.97*	
		For Third Rail, Add	*209.63*	
		For 1" Square x 14 Gauge Pickets, Add	*279.50*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate	3,321.16	99.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*725.89*	
		For Aluminum With Satin Finish, Add	*868.14*	
		For Third Rail, Add	*227.72*	
		For 1" Square x 14 Gauge Pickets, Add	*303.63*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate	3,563.90	110.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*778.14*	
		For Aluminum With Satin Finish, Add	*926.72*	
		For Third Rail, Add	*243.55*	
		For 1" Square x 14 Gauge Pickets, Add	*324.73*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate	3,780.15	123.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*824.14*	
		For Aluminum With Satin Finish, Add	*975.70*	
		For Third Rail, Add	*257.12*	
		For 1" Square x 14 Gauge Pickets, Add	*342.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0106		6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate	1,003.08	28.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*219.30*	
		For Aluminum With Satin Finish, Add	*262.57*	
		For Third Rail, Add	*68.84*	
		For 1" Square x 14 Gauge Pickets, Add	*91.79*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	1,054.63	29.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*230.57*	
		For Aluminum With Satin Finish, Add	*276.04*	
		For Third Rail, Add	*72.37*	
		For 1" Square x 14 Gauge Pickets, Add	*96.50*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate	1,106.96	31.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*241.95*	
		For Aluminum With Satin Finish, Add	*289.39*	
		For Third Rail, Add	*75.91*	
		For 1" Square x 14 Gauge Pickets, Add	*101.21*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate	1,171.25	33.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*255.98*	
		For Aluminum With Satin Finish, Add	*306.04*	
		For Third Rail, Add	*80.29*	
		For 1" Square x 14 Gauge Pickets, Add	*107.05*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate	1,314.78	40.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*286.69*	
		For Aluminum With Satin Finish, Add	*339.64*	
		For Third Rail, Add	*89.48*	
		For 1" Square x 14 Gauge Pickets, Add	*119.30*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,467.72	47.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*319.53*	
		For Aluminum With Satin Finish, Add	*376.07*	
		For Third Rail, Add	*99.37*	
		For 1" Square x 14 Gauge Pickets, Add	*132.49*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,638.43	54.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*356.44*	
		For Aluminum With Satin Finish, Add	*418.31*	
		For Third Rail, Add	*110.68*	
		For 1" Square x 14 Gauge Pickets, Add	*147.57*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,802.71	61.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*391.83*	
		For Aluminum With Satin Finish, Add	*458.13*	
		For Third Rail, Add	*121.42*	
		For 1" Square x 14 Gauge Pickets, Add	*161.90*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate	2,002.77	68.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*435.27*	
		For Aluminum With Satin Finish, Add	*508.68*	
		For Third Rail, Add	*134.85*	
		For 1" Square x 14 Gauge Pickets, Add	*179.80*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,969.63	46.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*433.12*	
		For Aluminum With Satin Finish, Add	*530.62*	
		For Third Rail, Add	*137.68*	
		For 1" Square x 14 Gauge Pickets, Add	*183.57*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	2,087.00	55.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*457.79*	
		For Aluminum With Satin Finish, Add	*555.42*	
		For Third Rail, Add	*144.74*	
		For 1" Square x 14 Gauge Pickets, Add	*192.99*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,203.15	62.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*482.29*	
		For Aluminum With Satin Finish, Add	*580.40*	
		For Third Rail, Add	*151.81*	
		For 1" Square x 14 Gauge Pickets, Add	*202.42*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,343.14	70.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*512.05*	
		For Aluminum With Satin Finish, Add	*611.99*	
		For Third Rail, Add	*160.58*	
		For 1" Square x 14 Gauge Pickets, Add	*214.10*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,562.28	78.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*559.62*	
		For Aluminum With Satin Finish, Add	*667.32*	
		For Third Rail, Add	*175.28*	
		For 1" Square x 14 Gauge Pickets, Add	*233.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,004.37	87.77
		For Solid Pickets, Add	*657.17*	
		For Aluminum With Satin Finish, Add	*788.44*	
		For Third Rail, Add	*206.52*	
		For 1" Square x 14 Gauge Pickets, Add	*275.36*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,146.67	98.07
		For Solid Pickets, Add	*687.00*	
		For Aluminum With Satin Finish, Add	*817.98*	
		For Third Rail, Add	*215.00*	
		For 1" Square x 14 Gauge Pickets, Add	*286.66*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,455.38	109.14
		For Solid Pickets, Add	*754.08*	
		For Aluminum With Satin Finish, Add	*896.35*	
		For Third Rail, Add	*235.78*	
		For 1" Square x 14 Gauge Pickets, Add	*314.37*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,739.47	121.42
		For Solid Pickets, Add	*815.36*	
		For Aluminum With Satin Finish, Add	*965.69*	
		For Third Rail, Add	*254.43*	
		For 1" Square x 14 Gauge Pickets, Add	*339.25*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,003.93	135.48
		For Solid Pickets, Add	*871.85*	
		For Aluminum With Satin Finish, Add	*1,026.94*	
		For Third Rail, Add	*271.26*	
		For 1" Square x 14 Gauge Pickets, Add	*361.67*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,062.82	30.66
		For Solid Pickets, Add	*232.22*	
		For Aluminum With Satin Finish, Add	*277.36*	
		For Third Rail, Add	*72.80*	
		For 1" Square x 14 Gauge Pickets, Add	*97.06*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,116.69	32.32
		For Solid Pickets, Add	*243.98*	
		For Aluminum With Satin Finish, Add	*291.33*	
		For Third Rail, Add	*76.47*	
		For 1" Square x 14 Gauge Pickets, Add	*101.96*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,170.79	33.98
		For Solid Pickets, Add	*255.77*	
		For Aluminum With Satin Finish, Add	*305.26*	
		For Third Rail, Add	*80.15*	
		For 1" Square x 14 Gauge Pickets, Add	*106.86*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,225.00	35.75
		For Solid Pickets, Add	*267.57*	
		For Aluminum With Satin Finish, Add	*319.18*	
		For Third Rail, Add	*83.82*	
		For 1" Square x 14 Gauge Pickets, Add	*111.76*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,417.86	43.50
		For Solid Pickets, Add	*309.22*	
		For Aluminum With Satin Finish, Add	*366.58*	
		For Third Rail, Add	*96.54*	
		For 1" Square x 14 Gauge Pickets, Add	*128.73*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,594.55	50.91
		For Solid Pickets, Add	*347.32*	
		For Aluminum With Satin Finish, Add	*409.63*	
		For Third Rail, Add	*108.14*	
		For 1" Square x 14 Gauge Pickets, Add	*144.18*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,723.34	58.55
		For Solid Pickets, Add	*374.55*	
		For Aluminum With Satin Finish, Add	*437.80*	
		For Third Rail, Add	*116.05*	
		For 1" Square x 14 Gauge Pickets, Add	*154.73*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,869.85	65.97
		For Solid Pickets, Add	*405.86*	
		For Aluminum With Satin Finish, Add	*471.80*	
		For Third Rail, Add	*125.38*	
		For 1" Square x 14 Gauge Pickets, Add	*167.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	2,049.53	73.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*444.54*	
		For Aluminum With Satin Finish, Add	*515.24*	
		For Third Rail, Add	*137.11*	
		For 1" Square x 14 Gauge Pickets, Add	*182.82*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	2,084.92	50.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*458.33*	
		For Aluminum With Satin Finish, Add	*560.82*	
		For Third Rail, Add	*145.59*	
		For 1" Square x 14 Gauge Pickets, Add	*194.12*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,207.27	58.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*484.03*	
		For Aluminum With Satin Finish, Add	*586.57*	
		For Third Rail, Add	*152.94*	
		For 1" Square x 14 Gauge Pickets, Add	*203.93*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,330.84	67.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*509.92*	
		For Aluminum With Satin Finish, Add	*612.14*	
		For Third Rail, Add	*160.29*	
		For 1" Square x 14 Gauge Pickets, Add	*213.73*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	2,455.08	76.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*536.05*	
		For Aluminum With Satin Finish, Add	*638.45*	
		For Third Rail, Add	*167.79*	
		For 1" Square x 14 Gauge Pickets, Add	*223.71*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	2,765.24	85.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*603.92*	
		For Aluminum With Satin Finish, Add	*719.99*	
		For Third Rail, Add	*189.13*	
		For 1" Square x 14 Gauge Pickets, Add	*252.17*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate	3,341.70	95.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*731.52*	
		For Aluminum With Satin Finish, Add	*880.33*	
		For Third Rail, Add	*230.26*	
		For 1" Square x 14 Gauge Pickets, Add	*307.02*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate	3,306.73	106.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*721.18*	
		For Aluminum With Satin Finish, Add	*855.04*	
		For Third Rail, Add	*225.17*	
		For 1" Square x 14 Gauge Pickets, Add	*300.23*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate	3,583.27	118.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*780.76*	
		For Aluminum With Satin Finish, Add	*922.12*	
		For Third Rail, Add	*243.27*	
		For 1" Square x 14 Gauge Pickets, Add	*324.36*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate	3,913.70	132.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*852.09*	
		For Aluminum With Satin Finish, Add	*1,003.16*	
		For Third Rail, Add	*265.04*	
		For 1" Square x 14 Gauge Pickets, Add	*353.38*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate	4,132.80	148.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*898.10*	
		For Aluminum With Satin Finish, Add	*1,049.17*	
		For Third Rail, Add	*278.18*	
		For 1" Square x 14 Gauge Pickets, Add	*370.91*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate	1,155.05	33.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*252.41*	
		For Aluminum With Satin Finish, Add	*301.69*	
		For Third Rail, Add	*79.16*	
		For 1" Square x 14 Gauge Pickets, Add	*105.54*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate	1,211.47	34.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*264.69*	
		For Aluminum With Satin Finish, Add	*316.12*	
		For Third Rail, Add	*82.97*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate	1,271.67	36.86
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*277.82*	
		For Aluminum With Satin Finish, Add	*331.69*	
		For Third Rail, Add	*87.07*	
		For 1" Square x 14 Gauge Pickets, Add	*116.10*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate	1,325.86	41.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*289.06*	
		For Aluminum With Satin Finish, Add	*342.22*	
		For Third Rail, Add	*90.18*	
		For 1" Square x 14 Gauge Pickets, Add	*120.24*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,568.06	46.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*342.35*	
		For Aluminum With Satin Finish, Add	*407.66*	
		For Third Rail, Add	*107.15*	
		For 1" Square x 14 Gauge Pickets, Add	*142.86*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,745.73	56.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*380.17*	
		For Aluminum With Satin Finish, Add	*448.01*	
		For Third Rail, Add	*118.31*	
		For 1" Square x 14 Gauge Pickets, Add	*157.75*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,824.30	65.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*395.77*	
		For Aluminum With Satin Finish, Add	*459.13*	
		For Third Rail, Add	*122.13*	
		For 1" Square x 14 Gauge Pickets, Add	*162.84*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	1,956.74	74.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*423.41*	
		For Aluminum With Satin Finish, Add	*485.91*	
		For Third Rail, Add	*129.90*	
		For 1" Square x 14 Gauge Pickets, Add	*173.20*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	2,072.20	84.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*447.24*	
		For Aluminum With Satin Finish, Add	*507.60*	
		For Third Rail, Add	*136.41*	
		For 1" Square x 14 Gauge Pickets, Add	*181.87*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,266.17	53.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*498.38*	
		For Aluminum With Satin Finish, Add	*610.81*	
		For Third Rail, Add	*158.46*	
		For 1" Square x 14 Gauge Pickets, Add	*211.28*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,403.36	64.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*526.88*	
		For Aluminum With Satin Finish, Add	*637.73*	
		For Third Rail, Add	*166.37*	
		For 1" Square x 14 Gauge Pickets, Add	*221.83*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,537.46	75.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*554.77*	
		For Aluminum With Satin Finish, Add	*664.26*	
		For Third Rail, Add	*174.15*	
		For 1" Square x 14 Gauge Pickets, Add	*232.20*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,650.15	86.56
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*577.75*	
		For Aluminum With Satin Finish, Add	*683.82*	
		For Third Rail, Add	*180.22*	
		For 1" Square x 14 Gauge Pickets, Add	*240.30*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	3,079.48	97.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*671.97*	
		For Aluminum With Satin Finish, Add	*798.38*	
		For Third Rail, Add	*210.05*	
		For 1" Square x 14 Gauge Pickets, Add	*280.07*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	3,836.64	109.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*839.68*	
		For Aluminum With Satin Finish, Add	*1,009.63*	
		For Third Rail, Add	*264.19*	
		For 1" Square x 14 Gauge Pickets, Add	*352.25*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate	3,511.18	123.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*763.44*	
		For Aluminum With Satin Finish, Add	*893.91*	
		For Third Rail, Add	*236.77*	
		For 1" Square x 14 Gauge Pickets, Add	*315.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,761.00	140.24
		For Solid Pickets, Add	*816.18*	
		For Aluminum With Satin Finish, Add	*948.04*	
		For Third Rail, Add	*252.03*	
		For 1" Square x 14 Gauge Pickets, Add	*336.04*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,145.72	158.06
		For Solid Pickets, Add	*898.91*	
		For Aluminum With Satin Finish, Add	*1,040.45*	
		For Third Rail, Add	*277.05*	
		For 1" Square x 14 Gauge Pickets, Add	*369.40*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,233.11	178.10
		For Solid Pickets, Add	*914.28*	
		For Aluminum With Satin Finish, Add	*1,040.91*	
		For Third Rail, Add	*279.31*	
		For 1" Square x 14 Gauge Pickets, Add	*372.42*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	32.51	
		For 1" Square x 14 Gauge Pickets, Add	*1.04*	

32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	49.81	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	54.79	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	59.77	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	64.75	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	69.73	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	74.72	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	83.01	

32 31 23 Plastic Fences and Gates *(32 31)*

32 31 23 00-0001 Vinyl Fence *(32 31 23)*

32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.

32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	62.61	7.16
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	70.27	8.59
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	78.54	10.02
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	86.64	11.46

32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	83.97	10.02
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	92.14	11.46

32 31 23 00-0010 Picket Straight Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	57.81	7.16
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	65.73	8.59
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	75.36	10.02
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	83.53	11.46

32 31 23 00-0015 Picket Scalloped Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	63.98	7.16
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	72.09	8.59
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	81.30	10.02
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	89.66	11.46

32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.

32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	24.09	7.16
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	30.83	8.59
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	35.40	9.31

32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence *(32 31 23 00-0001)*

Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.

32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	74.85	7.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	81.88	9.31
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	70.56	7.16
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	76.89	8.59

32 31 23 00-0029 Vinyl Gates *(32 31 23)*

32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	691.55	71.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	733.67	75.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	804.41	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	900.57	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	733.67	75.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	759.90	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	843.35	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	987.20	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	759.90	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	792.49	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	907.73	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,057.93	89.51
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	799.65	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	832.24	89.51
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,001.52	93.09
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,104.05	93.09
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0051 Gates For Picket Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	662.94	71.61
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	689.17	75.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	772.62	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	916.46	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0057		**4' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	670.10	75.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	696.33	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	779.78	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	923.62	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0062		**5' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	696.33	78.77
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	728.92	82.35
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	844.16	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	994.36	89.51
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0067		**6' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	736.08	85.93
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	768.67	89.51
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	937.94	93.09
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	1,040.47	96.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0072		**Gates Accessories** *(32 31 23 00-0029)*		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	150.22	
32 31 23 00-0074	EA	Latch Set	104.13	
32 31 23 00-0075	EA	Stainless Steel Latch Set	150.22	
32 31 26		**Wire Fences and Gates** *(32 31)*		
32 31 26 13		**Wire Fences with Steel Posts** *(32 31 26)*		
32 31 26 13-0001		**Chicken Wire** *(32 31 26 13)*		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.30	1.93
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	10.11	1.93
32 31 26 13-0004		**Wire And Screen** *(32 31 26 13)*		
32 31 26 13-0005		**Wire And Screen For Partitions And Fences** *(32 31 26 13-0004)*		
		Note: Excludes framing and post.		
32 31 26 13-0006		**Screen Wire** *(32 31 26 13-0005)*		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	16.20	1.44
32 31 26 13-0008		**Hog Wire** *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.89	1.15
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	3.03	1.30
32 31 26 13-0011		**Non-Climb Horse Fence** *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	13.04	4.61
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	16.71	5.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	20.90	6.92
32 31 26 13-0015		**Screen For Partitions And Ceilings** *(32 31 26 13-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.65	0.81
32 31 26 13-0017		**Wicket Fence** *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	84.06	5.81
32 31 29		**Wood Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		**Basket Weave** *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	48.38	3.87
		For Fastening With Screws Instead Of Nails, Add	*2.82*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	31.59	3.87
		For Fastening With Screws Instead Of Nails, Add	*2.01*	
32 31 29 00-0004		**Board Fence** *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	30.87	3.87
		For 1" x 6" Boards, Deduct	*-3.20*	
		For 1" x 3" Boards (Stockade Top), Add	*3.96*	
		For Fastening With Screws Instead Of Nails, Add	*1.99*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	34.39	3.87
		For 1" x 6" Boards, Deduct	*-3.48*	
		For 1" x 3" Boards (Stockade Top), Add	*4.29*	
		For Fastening With Screws Instead Of Nails, Add	*2.20*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	38.50	3.87
		For 1" x 6" Boards, Deduct	*-3.73*	
		For 1" x 3" Boards (Stockade Top), Add	*4.54*	
		For Fastening With Screws Instead Of Nails, Add	*2.42*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	41.13	3.87
		For 1" x 6" Boards, Deduct	*-3.92*	
		For 1" x 3" Boards (Stockade Top), Add	*4.75*	
		For Fastening With Screws Instead Of Nails, Add	*2.57*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	44.01	3.87
		For 1" x 6" Boards, Deduct	*-4.12*	
		For 1" x 3" Boards (Stockade Top), Add	*4.97*	
		For Fastening With Screws Instead Of Nails, Add	*2.74*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	33.07	3.87
		For 1" x 6" Boards, Deduct	*-3.28*	
		For 1" x 3" Boards (Stockade Top), Add	*4.02*	
		For Fastening With Screws Instead Of Nails, Add	*2.10*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	36.09	3.87
		For 1" x 6" Boards, Deduct	*-3.55*	
		For 1" x 3" Boards (Stockade Top), Add	*4.34*	
		For Fastening With Screws Instead Of Nails, Add	*2.28*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	38.50	3.87
		For 1" x 6" Boards, Deduct	*-3.73*	
		For 1" x 3" Boards (Stockade Top), Add	*4.54*	
		For Fastening With Screws Instead Of Nails, Add	*2.42*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	41.13	3.87
		For 1" x 6" Boards, Deduct	*-3.92*	
		For 1" x 3" Boards (Stockade Top), Add	*4.75*	
		For Fastening With Screws Instead Of Nails, Add	*2.57*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	44.01	3.87
		For 1" x 6" Boards, Deduct	*-4.12*	
		For 1" x 3" Boards (Stockade Top), Add	*4.97*	
		For Fastening With Screws Instead Of Nails, Add	*2.74*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	33.08	3.87
		For 1" x 6" Boards, Deduct	*-3.28*	
		For 1" x 3" Boards (Stockade Top), Add	*4.02*	
		For Fastening With Screws Instead Of Nails, Add	*2.10*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	43.60	3.87
		For 1" x 6" Boards, Deduct	*-3.85*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.66*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	45.70	3.87
		For 1" x 6" Boards, Deduct	*-4.02*	
		For 1" x 3" Boards (Stockade Top), Add	*4.75*	
		For Fastening With Screws Instead Of Nails, Add	*2.78*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	49.19	3.87
		For 1" x 6" Boards, Deduct	*-4.24*	
		For 1" x 3" Boards (Stockade Top), Add	*4.99*	
		For Fastening With Screws Instead Of Nails, Add	*2.98*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	52.98	3.87
		For 1" x 6" Boards, Deduct	*-4.48*	
		For 1" x 3" Boards (Stockade Top), Add	*5.24*	
		For Fastening With Screws Instead Of Nails, Add	*3.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	67.50	3.87
		For Fastening With Screws Instead Of Nails, Add	*3.78*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	84.88	3.87
		For Fastening With Screws Instead Of Nails, Add	*4.72*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	92.54	3.87
		For Fastening With Screws Instead Of Nails, Add	*5.12*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	99.44	3.87
		For Fastening With Screws Instead Of Nails, Add	*5.50*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	30.98	3.87
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	24.00	3.87
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	36.81	3.87
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	25.93	3.87
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	29.19	3.87
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.92	3.87
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	33.38	3.87
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	26.94	3.87
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	35.41	3.87
		For Fastening With Screws Instead Of Nails, Add	*2.23*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	33.01	3.87
		For Fastening With Screws Instead Of Nails, Add	*2.11*	
32 31 29 00-0039		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	48.85	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	54.80	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	59.67	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	88.38	
32 31 29 00-0044		**Wood Gate** *(32 31 29)*		
32 31 29 00-0045		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	511.05	160.25
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	564.58	169.86
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	630.94	185.88
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	714.96	195.50
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	798.98	205.11
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	651.72	211.52
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	709.07	221.13
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	766.40	230.75
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	861.87	240.36
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	938.26	249.97
32 31 29 00-0056		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	756.42	120.94
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	782.37	128.19
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	821.80	140.29
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	866.80	147.54
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	923.25	154.80
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	891.00	159.64
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	924.56	166.90
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	977.19	174.15
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,029.82	181.41
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,082.44	188.67
32 31 29 00-0067		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	813.59	120.94
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	847.17	128.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	890.40	140.29
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	943.03	147.54
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	995.66	154.80
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	967.23	159.64
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,000.79	166.90
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,053.42	174.15
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,106.04	181.41
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,177.72	188.67

32 31 29 00-0078 Pressure Treated Wood Fence Posts *(32 31 29)*

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0682 for barbed wire, 32 31 56 00-0017 for barbed wire.

32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	48.71	16.02
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	54.73	16.02
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	85.92	30.76
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	92.78	30.76

32 31 29 00-0083 Wood Utility Pole Fence *(32 31 29)*

Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.

32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence Note: Includes notching post, drilling and pinned with #5 rebar.	59.41	3.87

32 31 29 00-0085 Wood Rail Fence *(32 31 29)*

Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill

32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	29.92	3.87

32 31 34 Tubular Barrier Gates *(32 31)*

32 31 34 00-0001 Tube Gate *(32 31 34)*

See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0645 for gate accessories.

32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.

32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	219.72	29.88
		For 13 Gauge Tubing, Add	*35.09*	
		For Galvanized Finish, Add	*19.68*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	285.65	38.74
		For 13 Gauge Tubing, Add	*45.51*	
		For Galvanized Finish, Add	*25.41*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	384.97	49.81
		For 13 Gauge Tubing, Add	*62.05*	
		For Galvanized Finish, Add	*35.33*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	444.96	61.98
		For 13 Gauge Tubing, Add	*70.18*	
		For Galvanized Finish, Add	*38.52*	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	527.75	73.72
		For 13 Gauge Tubing, Add	*83.41*	
		For Galvanized Finish, Add	*45.96*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	576.68	83.01
		For 13 Gauge Tubing, Add	*90.43*	
		For Galvanized Finish, Add	*49.14*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	676.82	95.75
		For 13 Gauge Tubing, Add	*106.59*	
		For Galvanized Finish, Add	*58.35*	

32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	285.46	29.88
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*78.76*	
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	342.20	38.74
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*90.39*	
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	409.58	49.81
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*104.06*	
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	472.99	61.98
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*113.93*	
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	536.93	73.72
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*126.22*	
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	595.07	83.01
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*138.41*	
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	665.31	95.75
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*151.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	764.18	107.75
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*175.06*	
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	849.35	120.54
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*206.92*	
32 31 34 00-0020		33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*		
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	308.53	29.88
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*87.99*	
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	364.88	38.74
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*99.46*	
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	424.96	49.81
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*110.21*	
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	495.42	61.98
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*122.90*	
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	553.14	73.72
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*132.71*	
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	632.91	83.01
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*153.54*	
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	706.41	95.75
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*167.45*	
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	826.89	107.75
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*200.14*	
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	905.74	120.54
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*229.47*	
32 31 34 00-0030		Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*		
		Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,491.25	61.98
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*821.00*	
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,702.95	73.72
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*880.61*	
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	3,199.91	83.01
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*1,057.25*	
32 31 34 00-0034	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,592.07	61.98
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*860.97*	
32 31 34 00-0035	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,818.18	73.72
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*926.29*	
32 31 34 00-0036	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	3,315.12	83.01
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*1,102.93*	
32 31 34 00-0037		Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 34 00-0001)*		
		Note: Excludes augering holes and concrete.		
32 31 34 00-0038	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	505.25	29.88
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*42.71*	
32 31 34 00-0039		Tubular Horse Gate *(32 31 34 00-0001)*		
		Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	3,080.24	29.88
		For Galvanized Surface Stain "Rustic Brown Finish", Add	*811.48*	
32 31 34 00-0041		Pipe Gate *(32 31 34)*		
		Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,340.64	
32 31 34 00-0043	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,429.52	
32 31 34 00-0044	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,470.70	
32 31 41		**Precast Concrete Fences** *(32 31)*		
32 31 41 00-0001		Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*		
		Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	74.23	3.87
		Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		Barbed Wire Fences *(32 31 56)*		
		Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002		Fence Posts *(32 31 56 00-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0003		**Fence Post Soil, Set In Concrete** *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	113.22	8.85
		For Bracing On Corner Post, End Post And Pull Post, Add	*182.80*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	152.92	8.85
		For Bracing On Corner Post, End Post And Pull Post, Add	*249.10*	
32 31 56 00-0006		**Post In Rock** *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	111.27	8.85
		For Bracing On Corner Post, End Post And Pull Post, Add	*179.88*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	150.97	8.85
		For Bracing On Corner Post, End Post And Pull Post, Add	*246.18*	
32 31 56 00-0009		**Studded Steel T-Posts, Enamel Paint Finish** *(32 31 56 00-0001)*		
		Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	28.37	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	29.07	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	30.41	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	31.73	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	33.49	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	37.76	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	46.10	
32 31 56 00-0017		**Barbed Wire** *(32 31 56 00-0001)*		
		Note: Per strand.		
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.99	0.44
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.15	0.44
32 31 56 00-0020		**Barbed Wire Fence, Farm Style, With Wood Posts** *(32 31 56 00-0001)*		
		Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	12.67	2.88

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0001		**Concrete Retaining Walls** *(32 32 13)*		
		Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	416.57	155.62
		For >3:1 Sloped Soil At Top, Add	*8.96*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	519.22	191.49
		For >3:1 Sloped Soil At Top, Add	*11.57*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	565.24	206.54
		For >3:1 Sloped Soil At Top, Add	*12.93*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	718.77	255.38
		For >3:1 Sloped Soil At Top, Add	*17.69*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	828.23	293.35
		For >3:1 Sloped Soil At Top, Add	*20.52*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,199.12	430.35
		For >3:1 Sloped Soil At Top, Add	*28.78*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,646.72	594.12
		For >3:1 Sloped Soil At Top, Add	*38.96*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	457.60	169.94
		For >3:1 Sloped Soil At Top, Add	*10.01*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	559.60	204.76
		For >3:1 Sloped Soil At Top, Add	*12.76*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	592.03	213.65
		For >3:1 Sloped Soil At Top, Add	*14.00*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	813.22	286.34
		For >3:1 Sloped Soil At Top, Add	*20.44*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,031.88	367.81
		For >3:1 Sloped Soil At Top, Add	*25.18*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,548.25	557.52
		For >3:1 Sloped Soil At Top, Add	*36.83*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,185.09	786.96
		For >3:1 Sloped Soil At Top, Add	*51.95*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 16 00-0001		**Precast Retaining Walls** *(32 32 16)*		
		Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	110.79	16.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	113.68	13.15
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	117.83	10.96
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	127.39	10.96
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	134.73	9.35

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	76.26	9.93
		For >3:1 Sloped Soil At Top, Add	*4.79*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	80.46	10.46
		For >3:1 Sloped Soil At Top, Add	*5.06*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	83.89	11.50
		For >3:1 Sloped Soil At Top, Add	*5.18*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	87.54	12.55
		For >3:1 Sloped Soil At Top, Add	*5.31*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	79.21	9.93
		For >3:1 Sloped Soil At Top, Add	*5.04*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	83.41	10.46
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	86.83	11.50
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	90.48	12.55
		For >3:1 Sloped Soil At Top, Add	*5.56*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	86.25	9.93
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	90.45	10.46
		For >3:1 Sloped Soil At Top, Add	*5.91*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	93.88	11.50
		For >3:1 Sloped Soil At Top, Add	*6.02*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	97.53	12.55
		For >3:1 Sloped Soil At Top, Add	*6.16*	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	76.26	9.93
		For >3:1 Sloped Soil At Top, Add	*4.79*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	80.46	10.46
		For >3:1 Sloped Soil At Top, Add	*5.06*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	83.89	11.50
		For >3:1 Sloped Soil At Top, Add	*5.18*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	87.54	12.55
		For >3:1 Sloped Soil At Top, Add	*5.31*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	67.32	9.93
		For >3:1 Sloped Soil At Top, Add	*4.03*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	74.46	10.46
		For >3:1 Sloped Soil At Top, Add	*4.55*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	77.94	11.50
		For >3:1 Sloped Soil At Top, Add	*4.67*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	81.04	12.55
		For >3:1 Sloped Soil At Top, Add	*4.75*	

32 32 23 13-0027 Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	42.27	
		For >3:1 Sloped Soil At Top, Add	*2.26*	

32 32 26 Metal Crib Retaining Walls *(32 32)*

32 32 26 00-0001 Bin Type Retaining Wall *(32 32 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0002		**Vertical Bin Walls** *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	80.15	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	94.93	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	110.61	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	119.47	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	133.47	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	142.33	
32 32 26 00-0009		**Battered Bin Walls** *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	71.33	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	77.24	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	86.90	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	97.24	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	113.83	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	116.78	
32 32 26 00-0016		**Aluminized Steel Bin** *(32 32 26)* Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	48.48	5.52
		For >3:1 Sloped Soil At Top, Add	*3.18*	
		For Galvanized Type, Deduct	*-3.75*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	54.27	5.52
		For >3:1 Sloped Soil At Top, Add	*3.67*	
		For Galvanized Type, Deduct	*-4.31*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	57.96	6.04
		For >3:1 Sloped Soil At Top, Add	*3.91*	
		For Galvanized Type, Deduct	*-4.60*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	66.02	6.81
		For >3:1 Sloped Soil At Top, Add	*4.45*	
		For Galvanized Type, Deduct	*-5.24*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	63.58	7.07
		For >3:1 Sloped Soil At Top, Add	*4.21*	
		For Galvanized Type, Deduct	*-4.96*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	70.86	7.19
		For >3:1 Sloped Soil At Top, Add	*4.81*	
		For Galvanized Type, Deduct	*-5.66*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	78.60	7.58
		For >3:1 Sloped Soil At Top, Add	*5.38*	
		For Galvanized Type, Deduct	*-6.33*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	80.48	7.96
		For >3:1 Sloped Soil At Top, Add	*5.50*	
		For Galvanized Type, Deduct	*-6.47*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	84.66	7.96
		For >3:1 Sloped Soil At Top, Add	*5.84*	
		For Galvanized Type, Deduct	*-6.87*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	88.82	8.09
		For >3:1 Sloped Soil At Top, Add	*6.18*	
		For Galvanized Type, Deduct	*-7.28*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	91.78	8.22
		For >3:1 Sloped Soil At Top, Add	*6.41*	
		For Galvanized Type, Deduct	*-7.55*	
32 32 29		**Timber Retaining Walls** *(32 32)*		
32 32 29 00-0001		**Wood Post Retaining Walls** *(32 32 29)* Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	97.39	35.19
		For >3:1 Sloped Soil At Top, Add	*2.31*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	190.62	68.90
		For >3:1 Sloped Soil At Top, Add	*4.50*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	93.92	35.19
		For >3:1 Sloped Soil At Top, Add	*2.01*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	183.88	68.90
		For >3:1 Sloped Soil At Top, Add	*3.92*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	87.54	30.74
		For >3:1 Sloped Soil At Top, Add	*2.21*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	171.32	60.14
		For >3:1 Sloped Soil At Top, Add	*4.33*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	77.50	27.29
		For >3:1 Sloped Soil At Top, Add	*1.95*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	140.14	49.39
		For >3:1 Sloped Soil At Top, Add	*3.52*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	255.42	83.47
		For >3:1 Sloped Soil At Top, Add	*7.52*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	504.08	163.62
		For >3:1 Sloped Soil At Top, Add	*15.04*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	251.57	83.47
		For >3:1 Sloped Soil At Top, Add	*7.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	494.46	163.62
		For >3:1 Sloped Soil At Top, Add	*14.23*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	218.35	67.79
		For >3:1 Sloped Soil At Top, Add	*7.03*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	433.24	133.86
		For >3:1 Sloped Soil At Top, Add	*14.06*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	174.89	54.21
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	343.90	106.07
		For >3:1 Sloped Soil At Top, Add	*11.20*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	625.43	180.90
		For >3:1 Sloped Soil At Top, Add	*22.40*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,169.77	337.72
		For >3:1 Sloped Soil At Top, Add	*42.03*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	606.20	180.90
		For >3:1 Sloped Soil At Top, Add	*20.77*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,133.22	337.72
		For >3:1 Sloped Soil At Top, Add	*38.92*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	613.63	208.68
		For >3:1 Sloped Soil At Top, Add	*16.68*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,144.96	389.71
		For >3:1 Sloped Soil At Top, Add	*31.07*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	496.04	168.67
		For >3:1 Sloped Soil At Top, Add	*13.49*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	920.03	312.89
		For >3:1 Sloped Soil At Top, Add	*25.02*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	187.23	69.52
		For >3:1 Sloped Soil At Top, Add	*4.09*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	279.88	104.34
		For >3:1 Sloped Soil At Top, Add	*6.05*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	372.43	139.04
		For >3:1 Sloped Soil At Top, Add	*8.01*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	125.74	39.27
		For >3:1 Sloped Soil At Top, Add	*4.01*	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	182.65	56.68
		For >3:1 Sloped Soil At Top, Add	*5.89*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	247.30	76.56
		For >3:1 Sloped Soil At Top, Add	*8.01*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	76.66	20.87
		For >3:1 Sloped Soil At Top, Add	*2.97*	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	118.44	35.68
		For >3:1 Sloped Soil At Top, Add	*4.01*	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	155.07	44.33
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	216.96	62.85
		For >3:1 Sloped Soil At Top, Add	*7.77*	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	283.71	81.74
		For >3:1 Sloped Soil At Top, Add	*10.22*	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	581.29	161.76
		For >3:1 Sloped Soil At Top, Add	*21.91*	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	656.44	179.16
		For >3:1 Sloped Soil At Top, Add	*25.35*	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	77.92	21.73
		For >3:1 Sloped Soil At Top, Add	*2.93*	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	136.86	38.65
		For >3:1 Sloped Soil At Top, Add	*5.07*	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	134.51	37.91
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	188.72	54.45
		For >3:1 Sloped Soil At Top, Add	*6.79*	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	294.16	86.93
		For >3:1 Sloped Soil At Top, Add	*10.22*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	232.64	66.80
		For >3:1 Sloped Soil At Top, Add	*8.42*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	601.25	166.95
		For >3:1 Sloped Soil At Top, Add	*22.73*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	100.08	40.14
		For >3:1 Sloped Soil At Top, Add	*1.68*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	144.60	57.04
		For >3:1 Sloped Soil At Top, Add	*2.59*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	209.41	78.29
		For >3:1 Sloped Soil At Top, Add	*4.50*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	367.22	132.12
		For >3:1 Sloped Soil At Top, Add	*8.75*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	372.03	132.12
		For >3:1 Sloped Soil At Top, Add	*9.16*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	350.12	126.94
		For >3:1 Sloped Soil At Top, Add	*8.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	822.51	292.03
		For >3:1 Sloped Soil At Top, Add	*20.28*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	100.08	40.14
		For >3:1 Sloped Soil At Top, Add	*1.68*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	144.60	57.04
		For >3:1 Sloped Soil At Top, Add	*2.59*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	209.41	78.29
		For >3:1 Sloped Soil At Top, Add	*4.50*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	263.06	97.43
		For >3:1 Sloped Soil At Top, Add	*5.81*	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	367.22	132.12
		For >3:1 Sloped Soil At Top, Add	*8.75*	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	350.12	126.94
		For >3:1 Sloped Soil At Top, Add	*8.18*	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	822.51	292.03
		For >3:1 Sloped Soil At Top, Add	*20.28*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	131.73	42.73
		For >3:1 Sloped Soil At Top, Add	*3.92*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	300.57	97.43
		For >3:1 Sloped Soil At Top, Add	*8.99*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	449.98	146.08
		For >3:1 Sloped Soil At Top, Add	*13.41*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	433.15	125.20
		For >3:1 Sloped Soil At Top, Add	*15.53*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	650.84	187.82
		For >3:1 Sloped Soil At Top, Add	*23.38*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	859.39	246.96
		For >3:1 Sloped Soil At Top, Add	*31.07*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	129.81	42.73
		For >3:1 Sloped Soil At Top, Add	*3.76*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	294.80	97.43
		For >3:1 Sloped Soil At Top, Add	*8.50*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	442.29	146.08
		For >3:1 Sloped Soil At Top, Add	*12.76*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	419.69	125.20
		For >3:1 Sloped Soil At Top, Add	*14.39*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	631.60	187.82
		For >3:1 Sloped Soil At Top, Add	*21.75*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	832.45	246.96
		For >3:1 Sloped Soil At Top, Add	*28.78*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	146.19	56.68
		For >3:1 Sloped Soil At Top, Add	*2.79*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	334.96	130.40
		For >3:1 Sloped Soil At Top, Add	*6.30*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	496.65	193.00
		For >3:1 Sloped Soil At Top, Add	*9.40*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	673.26	262.52
		For >3:1 Sloped Soil At Top, Add	*12.59*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	980.29	382.41
		For >3:1 Sloped Soil At Top, Add	*18.31*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,300.72	507.01
		For >3:1 Sloped Soil At Top, Add	*24.37*	

32 32 29 00-0083 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	114.00	35.32
		For >3:1 Sloped Soil At Top, Add	*3.69*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	259.07	80.01
		For >3:1 Sloped Soil At Top, Add	*8.42*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	388.11	120.02
		For >3:1 Sloped Soil At Top, Add	*12.59*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	424.21	144.35
		For >3:1 Sloped Soil At Top, Add	*11.53*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	637.18	215.72
		For >3:1 Sloped Soil At Top, Add	*17.50*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	844.86	286.84
		For >3:1 Sloped Soil At Top, Add	*23.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	524.58	235.38
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	618.84	280.03
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	812.78	372.04
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,252.19	581.71
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,626.89	760.93
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	2,018.93	947.58
		For >3:1 Sloped Soil At Top, Add	*10.51*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	470.52	208.40
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	551.92	246.57
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	713.99	322.59
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	1,093.18	502.23
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,403.85	649.46
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,743.82	810.08
		For >3:1 Sloped Soil At Top, Add	*10.51*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	540.82	235.38
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	641.33	280.03
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	845.27	372.04
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,299.67	581.71
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,691.86	760.93
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	2,101.40	947.58
		For >3:1 Sloped Soil At Top, Add	*17.52*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	486.76	208.40
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	574.41	246.57
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	746.48	322.59
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	1,140.66	502.23
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,468.82	649.46
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,826.29	810.08
		For >3:1 Sloped Soil At Top, Add	*17.52*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	558.31	235.38
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	663.57	280.03
		For >3:1 Sloped Soil At Top, Add	*8.79*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	876.51	372.04
		For >3:1 Sloped Soil At Top, Add	*11.26*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,347.16	581.71
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,756.83	760.93
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,185.11	947.58
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	504.25	208.40
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	596.90	246.57
		For >3:1 Sloped Soil At Top, Add	*8.82*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	777.72	322.59
		For >3:1 Sloped Soil At Top, Add	*11.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,188.15	502.23
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,533.79	649.46
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,910.00	810.08
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0041		Stone Retaining Walls *(32 32 53 00-0001)*		
		Note: Stone at $64.00/ton.		
32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	575.81	235.38
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	661.32	280.03
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	910.24	372.04
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,397.14	581.71
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,824.31	760.93
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,270.08	947.58
		For >3:1 Sloped Soil At Top, Add	*31.86*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	521.75	208.40
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	619.39	246.57
		For >3:1 Sloped Soil At Top, Add	*10.73*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	811.45	322.59
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,238.13	502.23
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,601.27	649.46
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,994.97	810.08
		For >3:1 Sloped Soil At Top, Add	*31.86*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001		Bicycle Organizer And Rack *(32 33 13)*		
32 33 13 00-0002		Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*		
32 33 13 00-0003		Double Sided *(32 33 13 00-0002)*		
32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	826.26	135.46
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,244.02	222.53
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,148.31	338.64
32 33 13 00-0007		Single Sided *(32 33 13 00-0002)*		
32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	723.11	120.94
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	1,019.67	201.25
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,751.78	302.36
32 33 13 00-0011		Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*		
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	134.60	
32 33 13 00-0013		Bike Racks Ground Loop *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,081.68	237.34
32 33 13 00-0015		Serpentine Bike Racks *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0016		Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	595.19	145.13
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	815.21	157.23
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,035.22	169.32
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,283.21	181.41
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,531.20	193.51
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,667.29	205.60
32 33 13 00-0023		Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	677.21	145.13
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	874.34	157.23
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,071.46	169.32
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,246.97	181.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,444.09	193.51
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,684.45	205.60
32 33 13 00-0030		**Powder Coated, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	595.19	145.13
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	815.21	157.23
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,035.22	169.32
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,283.21	181.41
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,531.20	193.51
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,667.29	205.60
32 33 13 00-0037		**Powder Coated, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	698.83	145.13
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	917.57	157.23
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,114.70	169.32
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,355.06	181.41
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,552.18	193.51
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,814.16	205.60
32 33 13 00-0044		**Stainless Steel, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,146.28	145.13
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,720.18	157.23
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,294.11	169.32
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,946.57	181.41
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,599.00	193.51
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,937.32	205.60
32 33 13 00-0051		**Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	893.38	145.13
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,998.43	157.23
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,627.90	169.32
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,214.14	181.41
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,821.98	193.51
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,451.45	205.60
32 33 13 00-0058		**Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	672.65	108.84
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		**Steel Trash Containment** *(32 33 23)*		
32 33 23 00-0002		**Steel Frame Surrounded With Kiln-Dried Wood** *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	576.82	57.63
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	550.42	57.63
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	550.42	57.63
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	520.73	57.63
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	576.82	57.63
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	520.73	57.63
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	715.39	57.63
32 33 23 00-0010		**Square Steel Frames Surrounded With Flat Steel** *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,047.44	57.63
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,131.29	57.63
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,131.29	57.63
32 33 23 00-0014		**Round Steel Pipe And Flat Steel Frames** *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,550.53	57.63
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,670.32	57.63
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,924.86	57.63
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,745.18	57.63
32 33 23 00-0019		**Round Steel Pipe Surrounded With Perforated** *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,385.83	57.63
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,505.61	57.63
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,760.16	57.63
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,595.45	57.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0024		**Round Steel Pipe Frames Surrounded With Welded Wire** *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,101.34	57.63
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,221.13	57.63
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,475.67	57.63
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,310.96	57.63
32 33 23 00-0029		**Litter Baskets** *(32 33 23)*		
32 33 23 00-0030		**Round Wire Litter Baskets** *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	194.65	5.86
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	245.89	5.86
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	332.83	5.86
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	381.89	5.86
32 33 23 00-0035		**Trash Can/Wire Basket Holder** *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	275.25	47.07
32 33 23 00-0037	EA	Steel Post, Double Holder	373.31	47.07
32 33 23 00-0038	EA	Redwood Post, Single Holder	151.17	47.07
32 33 23 00-0039	EA	Redwood Post, Double Holder	175.62	47.07
32 33 23 00-0040		**Litter Receptacles, Freestanding** *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,565.80	24.01
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,648.28	24.01
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,919.74	36.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	2,002.23	36.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,084.72	36.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,167.21	36.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,728.67	31.22
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,811.16	31.22
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0049		**Ash Receptacles** *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	647.51	24.01
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	275.87	24.01
32 33 23 00-0052		**Trash Receptacles** *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,285.34	24.01
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	482.31	24.01
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	698.53	24.01
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	728.84	26.41
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	784.66	28.82
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	611.95	19.21
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	731.43	19.21
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,183.24	24.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0061		Trash Containers (Dumpsters) *(32 33 23)*		
32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	319.14	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	478.72	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	638.29	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	638.29	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	957.43	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	1,276.57	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	1,914.86	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	2,553.15	
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		Precast Concrete Planters *(32 33 33)*		
32 33 33 00-0002		Circular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	684.43	29.93
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	767.44	35.92
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	838.46	35.92
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	911.01	41.90
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,104.15	53.88
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,200.24	53.88
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,352.16	59.86
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,427.36	59.86
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,593.07	74.84
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,694.56	79.62
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,765.60	83.82
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,602.79	74.84
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,763.51	83.82
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,253.83	89.81
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,924.21	113.75
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,393.65	119.74
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,385.36	77.83
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,584.42	83.82
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,491.41	95.79
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,657.96	101.78
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	798.77	35.92
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	941.22	53.88
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,091.06	59.86
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,244.23	74.84
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,136.71	29.93
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,568.03	29.93
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,418.48	29.93
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,813.49	29.93
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	820.23	29.93
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,211.03	29.93
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,173.03	29.93
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	3,041.67	29.93
32 33 33 00-0040		Square Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,082.83	29.93
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,107.32	29.93
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,120.27	29.93
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,273.28	29.93
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,384.75	29.93
32 33 33 00-0046		Rectangular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,249.05	29.93
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,340.46	29.93
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,752.14	29.93
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,934.98	29.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0051		Timber Planters *(32 33 33)*		
32 33 33 00-0052		Square Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	576.84	57.63
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	576.84	57.63
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,090.73	57.63
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	945.97	57.63
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,126.92	57.63
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,892.96	57.63
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,347.78	57.63
32 33 33 00-0060		Rectangular Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	569.60	57.63
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	634.74	57.63
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	830.16	57.63
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	917.02	57.63
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,177.58	57.63
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,365.77	57.63
32 33 33 00-0067	EA	54" x 27", 30" High, Rectangular Timber Planter	1,980.99	57.63
32 33 33 00-0068	EA	54" x 34", 30" High, Rectangular Timber Planter	2,234.31	57.63
32 33 33 00-0069	EA	68" x 34", 36" High, Rectangular Timber Planter	2,545.54	57.63
32 33 33 00-0070	EA	54" x 41", 36" High, Rectangular Timber Planter	2,422.50	57.63
32 33 33 00-0071	EA	68" x 41", 36" High, Rectangular Timber Planter	2,740.97	57.63
32 33 33 00-0072	EA	81" x 41", 36" High, Rectangular Timber Planter	3,066.67	57.63
32 33 33 00-0073	EA	41" x 27", 36" High, Rectangular Timber Planter	1,525.00	57.63
32 33 43		**Site Seating and Tables** *(32 33)*		
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		Benches (Landscapeforms) *(32 33 43 13)*		
		Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,525.94	96.06
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,899.40	96.06
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,139.49	96.06
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	181.42	24.02
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,665.12	96.06
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	1,879.69	96.06
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,047.86	96.06
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,308.83	96.06
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,337.82	96.06
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,598.79	96.06
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,025.15	96.06
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,285.18	96.06
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	869.46	72.04
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	937.89	72.04
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,016.65	84.05
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,180.88	84.05
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,085.08	84.05
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,153.51	84.05
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,245.95	96.06
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,423.87	96.06
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,208.25	84.05
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,300.70	96.06
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,369.13	96.06
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,547.05	96.06
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,442.21	96.06
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,801.76	96.06
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,579.29	96.06
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,899.40	96.06
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,059.46	96.06
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,007.27	96.06
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,221.84	96.06
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,453.81	96.06
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,668.38	96.06
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,888.75	96.06
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,546.60	96.06
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,761.17	96.06
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,114.92	96.06
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,341.09	96.06
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,549.86	96.06
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	581.57	24.02
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	778.74	24.02
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	778.74	24.02
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	709.15	24.02
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	877.33	24.02
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	877.33	24.02
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	877.33	24.02
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	181.42	24.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	813.53	24.02
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	900.52	24.02
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	987.51	24.02
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	981.71	24.02
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,068.70	24.02
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,155.69	24.02
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	970.11	24.02
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,057.10	24.02
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,144.09	24.02
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,184.68	24.02
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,271.67	24.02
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,358.66	24.02
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,184.68	24.02
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,271.67	24.02
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,358.66	24.02
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,641.92	96.06
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,665.12	96.06
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,018.87	96.06
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,442.21	96.06
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	2,877.15	96.06
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,288.89	96.06
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,328.76	96.06
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,757.90	96.06
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,798.50	96.06
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,065.26	96.06
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,326.23	96.06
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,598.79	96.06
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,865.55	96.06
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,326.23	96.06
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	2,807.56	96.06
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,277.29	96.06
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,549.86	96.06
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,129.78	96.06
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,396.54	96.06
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,657.50	96.06
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,124.98	84.05
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,351.15	84.05
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,472.93	84.05
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,723.11	96.06
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,949.28	96.06

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	915.55	48.04
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,051.03	48.04
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,349.05	48.04
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	956.21	48.04
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,091.67	48.04
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,403.24	48.04
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,403.24	48.04
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,633.53	48.04
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,107.66	48.04
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,470.97	48.04
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,701.26	48.04
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,202.48	48.04
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,717.25	48.04
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,191.37	48.04
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,180.26	48.04
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,784.98	48.04
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,259.10	48.04
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,275.09	48.04
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,064.58	48.04
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,200.04	48.04
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,105.22	48.04
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,240.68	48.04
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,782.54	48.04
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,107.66	48.04
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,890.91	48.04
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,216.03	48.04
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,115.99	72.04
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,170.17	72.04
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,590.11	72.04
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	861.38	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	996.85	48.04
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,132.31	48.04
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,457.43	48.04
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,592.89	48.04
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	874.93	48.04
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	1,010.39	48.04
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,145.86	48.04
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,498.06	48.04
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,633.53	48.04
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,484.52	48.04
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,714.81	48.04
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,216.03	48.04
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,446.32	48.04
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,511.61	48.04
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,741.90	48.04
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,256.67	48.04
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,486.96	48.04
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,484.52	48.04
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,094.11	48.04
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,863.82	48.04
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,459.86	48.04
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,690.15	48.04
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,701.26	48.04
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,134.75	48.04
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,890.91	48.04
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,500.50	48.04
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,730.79	48.04
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,563.02	72.04
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,806.86	72.04
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,321.62	72.04
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,712.03	72.04
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,955.87	72.04
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,551.91	72.04

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,254.23	48.04
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,714.81	48.04
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,294.87	48.04
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,755.45	48.04
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,972.19	48.04
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,310.85	48.04
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,080.56	48.04
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,419.22	48.04
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,251.45	72.04
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,508.84	72.04
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,779.76	72.04
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	1,023.92	48.04
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,376.15	48.04
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,647.08	48.04
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,064.58	48.04
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,416.79	48.04
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,701.26	48.04
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,633.53	48.04
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,202.48	48.04
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,676.61	48.04
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,701.26	48.04
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,297.31	48.04
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,771.43	48.04
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,191.37	48.04
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,397.01	48.04
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,871.13	48.04
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,259.10	48.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,491.83	48.04
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,965.96	48.04
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,999.28	48.04
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,784.98	48.04
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,663.06	48.04
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	3,055.91	48.04
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,112.53	48.04
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	2,026.38	48.04
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,825.62	48.04
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,703.70	48.04
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,096.55	48.04
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,180.26	48.04
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,901.68	72.04
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,565.46	72.04
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,175.05	72.04
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,131.97	72.04
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,849.93	72.04
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,134.41	72.04
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	915.57	48.04
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,200.04	48.04
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,619.98	48.04
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,904.46	48.04
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,216.03	48.04
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	942.66	48.04
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,227.14	48.04
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,660.62	48.04
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,945.10	48.04
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,270.21	48.04
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,782.54	48.04
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,446.32	48.04
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	3,015.27	48.04
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,394.57	48.04
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,809.63	48.04
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,486.96	48.04
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	3,055.91	48.04
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,448.75	48.04

32 33 43 53 Site Tables *(32 33 43)*

32 33 43 53-0001 Tables *(32 33 43 53)*

32 33 43 53-0002 Tables (Wabash) *(32 33 43 53-0001)*

32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,699.76	86.45
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	8,206.67	86.45
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,481.92	86.45
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,661.16	96.06

32 33 43 53-0007 Tables (Landscapeforms) *(32 33 43 53-0001)*

32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	760.44	89.82
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	946.02	89.82
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	946.02	89.82
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	946.02	89.82
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	2,816.14	89.82
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,504.38	89.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,218.59	89.82
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	231.97	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,228.00	86.45
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,180.88	67.24
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	989.28	67.24
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,605.41	86.45
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,504.38	89.82
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,504.38	89.82
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,244.82	89.82
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,244.82	89.82
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,673.25	89.82
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,673.25	89.82
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,413.69	89.82
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,413.69	89.82
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,608.30	89.82
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,608.30	89.82
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,400.70	89.82
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,400.70	89.82
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,777.17	89.82
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,777.17	89.82
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,569.57	89.82
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,569.57	89.82
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,660.26	89.82
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,660.26	89.82
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,413.69	89.82
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,413.69	89.82
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,829.13	89.82
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,829.13	89.82
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,582.56	89.82
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,582.56	89.82
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,790.16	89.82
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,790.16	89.82
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,608.54	89.82
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,608.54	89.82
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,959.03	89.82
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,959.03	89.82
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,777.42	89.82
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,777.42	89.82
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,326.23	89.82
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,326.23	89.82
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,056.92	89.82
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,056.92	89.82
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,419.01	89.82
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,419.01	89.82
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,138.11	89.82
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,138.11	89.82
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,430.61	89.82
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,430.61	89.82
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,196.11	89.82
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,196.11	89.82
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,511.80	89.82
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,511.80	89.82
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,277.29	89.82
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,277.29	89.82
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,477.00	89.82
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,477.00	89.82
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,219.30	89.82
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,219.30	89.82
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,563.99	89.82
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,563.99	89.82
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,300.49	89.82
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,300.49	89.82
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,621.98	89.82
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,621.98	89.82
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,445.47	89.82
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,445.47	89.82
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,703.17	89.82
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,703.17	89.82
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,526.66	89.82
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,526.66	89.82
32 33 43 53-0084		Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*		
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	5,005.79	112.20
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	6,112.65	112.20
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,221.77	112.20
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,267.13	112.20
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,807.45	112.20
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	3,053.42	112.20
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,392.38	112.20
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,607.60	112.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,130.28	112.20
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,345.51	112.20
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	5,067.28	112.20
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,776.70	112.20
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,991.93	112.20
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,713.70	112.20
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,453.12	112.20
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,699.08	112.20
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	4,037.29	112.20
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,283.26	112.20
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	5,067.28	112.20
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,313.25	112.20
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	5,067.28	112.20
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,313.25	112.20
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,187.54	44.86
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,587.24	44.86
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	340.13	22.48
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,453.12	112.20
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,945.05	112.20
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,699.08	112.20
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,191.02	112.20
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,837.44	112.20
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,329.38	112.20
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	4,083.41	112.20
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,575.35	112.20
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,247.52	44.86
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,647.22	44.86
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,631.85	44.86
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	4,031.55	44.86
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	8,172.63	112.20
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	9,033.52	112.20
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	8,172.63	112.20
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	9,033.52	112.20
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	2,008.06	112.20
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,207.90	112.20
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,407.75	112.20
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,146.41	112.20
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,346.26	112.20
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,546.11	112.20
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,961.94	112.20
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,100.29	112.20
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,238.65	112.20
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,100.29	112.20
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,238.65	112.20
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,377.01	112.20
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,900.44	112.20
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,100.29	112.20
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,300.14	112.20
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,900.44	112.20
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,100.29	112.20
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,300.14	112.20
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,900.44	112.20
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,100.29	112.20
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,300.14	112.20
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,808.21	112.20
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,946.56	112.20
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,084.92	112.20
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,808.21	112.20
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,946.56	112.20
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,084.92	112.20
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,808.21	112.20
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,946.56	112.20
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,084.92	112.20
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,731.34	112.20
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,931.19	112.20
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,131.04	112.20
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,869.70	112.20
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,069.55	112.20
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,269.40	112.20
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,608.36	112.20
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,731.34	112.20
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,869.70	112.20
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,731.34	112.20
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,869.70	112.20
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	2,008.06	112.20
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,823.58	112.20
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	2,023.43	112.20
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,223.28	112.20
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,823.58	112.20
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	2,023.43	112.20
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,223.28	112.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,823.58	112.20
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	2,023.43	112.20
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,223.28	112.20
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,715.97	112.20
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,854.32	112.20
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,992.68	112.20
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,715.97	112.20
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,854.32	112.20
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,992.68	112.20
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,715.97	112.20
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,854.32	112.20
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,992.68	112.20
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,608.36	112.20
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,669.85	112.20
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,731.34	112.20
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,746.71	112.20
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,808.21	112.20
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,869.70	112.20
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,592.98	112.20
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,639.10	112.20
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,685.22	112.20
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,731.34	112.20
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,777.46	112.20
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,823.58	112.20
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,639.10	112.20
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,700.60	112.20
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,762.09	112.20
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,639.10	112.20
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,700.60	112.20
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,762.09	112.20
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,639.10	112.20
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,700.60	112.20
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,762.09	112.20
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,639.10	112.20
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,685.22	112.20
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,731.34	112.20
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,639.10	112.20
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,685.22	112.20
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,731.34	112.20
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,639.10	112.20
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,685.22	112.20
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,731.34	112.20
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,669.85	112.20
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,731.34	112.20
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,792.83	112.20
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,808.21	112.20
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,869.70	112.20
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,931.19	112.20
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,777.46	112.20
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,823.58	112.20
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,869.70	112.20
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,915.82	112.20
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,961.94	112.20
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	2,008.06	112.20
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,746.71	112.20
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,808.21	112.20
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,869.70	112.20
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,746.71	112.20
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,808.21	112.20
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,869.70	112.20
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,746.71	112.20
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,808.21	112.20
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,869.70	112.20
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,854.32	112.20
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,900.44	112.20
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,946.56	112.20
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,854.32	112.20
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,900.44	112.20
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,946.56	112.20
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,854.32	112.20
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,900.44	112.20
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,946.56	112.20
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,408.51	112.20
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,454.63	112.20
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,500.75	112.20
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,546.86	112.20
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,592.98	112.20
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,639.10	112.20
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,669.85	112.20
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,731.34	112.20
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,792.83	112.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,500.75	112.20
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,562.24	112.20
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,623.73	112.20
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,377.76	112.20
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,423.88	112.20
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,470.00	112.20
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,516.12	112.20
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,562.24	112.20
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,608.36	112.20
32 33 43 53-0264		**Picnic Tables** *(32 33 43 53)*		
32 33 43 53-0265		**Wooden Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	1,021.29	72.04
32 33 43 53-0267		**Portable Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,884.08	48.04
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,748.17	48.04
32 33 43 53-0270	EA	8' Aluminum Table And Frame	3,277.36	60.03
32 33 43 53-0271	EA	6' Steel Table And Frame	1,351.65	48.04
32 33 43 53-0272	EA	8' Steel Table And Frame	1,547.32	60.03
32 33 43 53-0273		**Concrete Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,666.06	192.12
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	3,160.54	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	3,170.47	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,363.83	
32 33 43 53-0278		**Plastic Picnic Tables** *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		**Pedestal Tables - 4' Square, 2 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,778.75	72.04
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,952.38	72.04
32 33 43 53-0282		**Pedestal Tables - 4' Square, 4 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,341.82	72.04
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,574.99	72.04
32 33 43 53-0285		**Recycled Plastic Tables** *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	3,077.70	72.04
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,557.70	72.04
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,796.67	72.04
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,613.14	72.04
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	3,297.07	72.04
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,298.18	57.63
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		**Picnic Grills** *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	450.30	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	482.08	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		**Skate Stoppers** *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	67.17	
		For >59 To 99, Deduct	*-7.24*	
		For >99 To 249, Deduct	*-9.14*	
		For >249, Deduct	*-11.03*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	71.19	
		For >59 To 99, Deduct	*-7.80*	
		For >99 To 249, Deduct	*-9.82*	
		For >249, Deduct	*-11.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper	50.08	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-4.85*	
		For >99 To 249, Deduct	*-6.23*	
		For >249, Deduct	*-7.61*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper	40.02	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-3.44*	
		For >99 To 249, Deduct	*-4.52*	
		For >249, Deduct	*-5.60*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper	43.78	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-3.97*	
		For >99 To 249, Deduct	*-5.16*	
		For >249, Deduct	*-6.35*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper	41.88	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-3.70*	
		For >99 To 249, Deduct	*-4.84*	
		For >249, Deduct	*-5.97*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	39.40	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-3.35*	
		For >99 To 249, Deduct	*-4.42*	
		For >249, Deduct	*-5.48*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper	54.77	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-5.51*	
		For >99 To 249, Deduct	*-7.03*	
		For >249, Deduct	*-8.55*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper	100.90	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	*-11.96*	
		For >99 To 249, Deduct	*-14.87*	
		For >249, Deduct	*-17.78*	

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	71.19	14.72
		For Galvanized Steel, Add	*7.09*	
		For 304 Stainless Steel, Add	*56.34*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*141.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*96.84*	
		For Schedule 80, Add	*9.21*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.34*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	95.28	14.72
		For Galvanized Steel, Add	*11.19*	
		For 304 Stainless Steel, Add	*88.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*141.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*96.84*	
		For Schedule 80, Add	*12.82*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*14.59*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	134.44	18.41
		For Galvanized Steel, Add	*16.60*	
		For 304 Stainless Steel, Add	*131.79*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*185.28*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*209.64*	
		For Schedule 80, Add	*18.33*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*19.47*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	177.75	22.09
		For Galvanized Steel, Add	*22.71*	
		For 304 Stainless Steel, Add	*180.32*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*214.72*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*224.36*	
		For Schedule 80, Add	*24.45*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*23.81*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	224.65	29.46
		For Galvanized Steel, Add	*28.18*	
		For 304 Stainless Steel, Add	*223.76*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*294.60*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*312.80*	
		For Schedule 80, Add	*30.75*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*27.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23		**Manufactured Concrete Bollards** *(32 39)*		
32 39 23 00-0001		Concrete Bollards *(32 39 23)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002		Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*		
32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	676.95	117.81
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	676.95	117.81
32 39 25		**Manufactured Wood Bollards** *(32 39)*		
32 39 25 00-0001		Wood Bollards *(32 39 25)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002		Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*		
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	25.96	11.78
		For Each Sleeve For Removable, Lockable Bollard, Add	*142.12*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	28.50	11.78
		For Each Sleeve For Removable, Lockable Bollard, Add	*142.12*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	35.29	13.26
		For Each Sleeve For Removable, Lockable Bollard, Add	*223.00*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	49.04	17.68
		For Each Sleeve For Removable, Lockable Bollard, Add	*240.68*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	66.84	23.56
		For Each Sleeve For Removable, Lockable Bollard, Add	*339.24*	
32 39 27		**Manufactured Plastic Bollards** *(32 39)*		
32 39 27 00-0001		Plastic Bollards *(32 39 27)* See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002		Recycled Plastic Bollards *(32 39 27 00-0001)*		
32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	378.46	58.90
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	610.51	58.90
32 39 27 00-0005		Plastic Bollard Covers *(32 39 27 00-0001)*		
32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	93.95	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	101.54	13.77
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	128.41	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	128.41	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	144.50	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	128.41	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	130.71	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	128.41	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	130.71	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	183.56	12.52
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	130.91	13.77
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	167.68	13.77
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	191.15	13.77
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	161.00	15.03
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	174.78	15.03
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	174.78	15.03
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	236.84	15.03
		For Reflective Tape, Add	*10.94*	
32 39 29		**Manufactured Stone Bollards** *(32 39)*		
32 39 29 00-0001		Stone Bollards *(32 39 29)* See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 29 00-0002		**Granite Bollards** *(32 39 29 00-0001)*		
32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,871.81	147.27
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,362.44	206.17
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,137.66	147.27
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,726.88	117.81
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,601.55	117.81

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001		**Drip Emitter Irrigation Devices** *(32 84 13)*		
32 84 13 00-0002		**Drip Emitter Irrigation Valves** *(32 84 13 00-0001)*		
32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	54.61	13.54
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	82.13	13.54
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	80.21	13.54
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	106.07	13.54
32 84 13 00-0007		**Drip Emitter Irrigation Filters** *(32 84 13 00-0001)*		
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	160.72	13.54
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	162.14	13.54
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	66.63	13.54
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	67.77	13.54
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	173.96	13.54
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	83.74	13.54
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	92.66	13.54
32 84 13 00-0015		**Drip Emitter Irrigation Pressure Regulators** *(32 84 13 00-0001)*		
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	65.47	13.54
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	65.47	13.54
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	65.47	13.54
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	74.85	13.54
32 84 13 00-0020		**Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)* Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.89	1.90
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.71	2.17
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.99	1.90
		For Shallow Trenching And Backfill By Hand, Add	*7.76*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.66	2.17
		For Shallow Trenching And Backfill By Hand, Add	*8.40*	
32 84 13 00-0025		**Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.56	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.60	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.65	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.81	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.54	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.73	
		For Compression Fitting, Add	*0.34*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.83	
		For Compression Fitting, Add	*0.44*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.88	
		For Compression Fitting, Add	*0.49*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.90	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.11	
		For Compression Fitting, Add	*0.72*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.34	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	7.29	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	8.20	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	16.59	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	28.49	12.19
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	28.54	12.19
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	31.05	12.19
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	31.32	12.19
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	44.87	15.98
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	48.11	15.98
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	47.60	15.98
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	5.39	2.37
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	39.78	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	37.95	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	44.76	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	50.46	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	40.51	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	50.10	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	54.71	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	43.24	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	51.98	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	56.29	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	44.33	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	57.75	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	62.00	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	34.36	14.96
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	38.63	14.96
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	53.26	14.96
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	54.77	14.96
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	49.61	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	66.00	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	52.65	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	68.43	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	53.86	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	56.29	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	72.07	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	81.79	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	55.99	14.96
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	65.70	14.96
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	88.77	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*44.68*	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	123.98	14.96
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	71.77	14.96
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	57.20	14.96
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	105.74	14.96
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	167.70	62.36
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	167.70	62.36
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	185.52	71.08
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	168.91	62.36
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	168.91	62.36
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	187.34	71.08
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	188.55	71.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0051		**0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	266.04	62.36
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	308.53	62.36
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	363.16	62.36
32 84 23 00-0055		**5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	374.40	70.08
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	416.89	70.08
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	471.53	70.08
32 84 23 00-0059		**20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	435.11	70.08
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	477.60	70.08
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	532.23	70.08
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	386.89	62.36
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	582.25	62.36
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	599.91	62.36
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,390.09	84.17
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	361.23	70.08
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	419.32	70.08
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	482.39	70.08
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	565.44	70.08
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	470.42	70.08
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	702.20	70.08
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	722.07	70.08
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,479.21	70.08
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	475.19	62.36
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	670.54	62.36
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	688.20	62.36
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,478.39	84.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	452.29	70.08
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	510.38	70.08
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	573.45	70.08
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	656.49	70.08
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	558.72	70.08
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	790.50	70.08
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	810.36	70.08
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,567.50	70.08
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	140.94	
32 84 23 00-0095		**Remote Control Valve Assemblies** *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	589.95	155.87
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	632.44	155.87
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	687.07	155.87
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	650.65	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	693.14	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	747.78	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	667.83	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	788.99	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	872.04	155.87
		Note: Purple components for use with recycled water		
32 84 23 00-0105		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	104.51	44.89
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	118.85	44.89
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	155.97	59.10
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	270.61	86.29
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	276.06	86.29
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	315.20	86.29
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	319.86	86.29
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	543.51	86.29
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	833.18	86.29
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	488.34	144.01
		For 12" Extension, Add	*105.80*	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	772.91	144.01
		For 12" Extension, Add	*105.80*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	221.17	74.82
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	317.66	86.29
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	171.14	59.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0120		**Irrigation Controllers** *(32 84 23)* See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0121		**Irrigation Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0122		**Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0121)*		
32 84 23 00-0123		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)** *(32 84 23 00-0122)*		
32 84 23 00-0124		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0123)*		
32 84 23 00-0125		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)** *(32 84 23 00-0124)*		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	382.99	38.43
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	535.39	38.43
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	687.80	38.43
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	840.20	38.43
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	954.18	38.43
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,111.38	38.43
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,268.59	38.43
32 84 23 00-0133		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0124)*		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	444.87	38.43
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	597.27	38.43
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	749.68	38.43
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	902.08	38.43
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,016.06	38.43
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,173.26	38.43
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,330.47	38.43
32 84 23 00-0141		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0123)*		
32 84 23 00-0142		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)** *(32 84 23 00-0141)*		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	597.94	38.43
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	750.35	38.43
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	902.75	38.43
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,055.16	38.43
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,169.13	38.43
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,326.34	38.43
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,483.54	38.43
32 84 23 00-0150		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0141)*		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	644.31	38.43
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	796.71	38.43
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	949.12	38.43
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,101.52	38.43
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,215.50	38.43
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,372.70	38.43
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,529.91	38.43
32 84 23 00-0158		**Accessories For ESP-ME/MEI Irrigation Controllers** *(32 84 23 00-0123)*		
32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	157.20	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	301.50	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	409.15	
32 84 23 00-0162		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)** *(32 84 23 00-0122)*		
32 84 23 00-0163		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	898.93	38.43
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,090.43	38.43
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,284.92	38.43
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,476.43	38.43
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,670.92	38.43
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,862.40	38.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,056.90	38.43
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,248.40	38.43
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,442.90	38.43
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,634.39	38.43
32 84 23 00-0174		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	887.51	38.43
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,078.99	38.43
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,273.49	38.43
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,464.98	38.43
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,659.49	38.43
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,850.98	38.43
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,045.47	38.43
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,236.97	38.43
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,431.47	38.43
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,622.97	38.43
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,817.46	38.43
32 84 23 00-0186		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	643.76	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,490.10	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,401.54	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,110.70	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	191.49	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	385.99	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	598.12	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	219.40	
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)*		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	430.40	38.43
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	521.34	38.43
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	652.21	38.43
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	525.19	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	111.06	28.82
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	164.80	28.82
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	331.67	28.82
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	349.68	28.82
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	505.74	28.82
32 84 23 00-0208		Two-Wire Decoder Systems *(32 84 23 00-0120)*		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)*		
32 84 23 00-0210		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,539.08	38.43
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,676.71	38.43
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,814.32	38.43
32 84 23 00-0214		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	315.39	38.43
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	400.63	38.43
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	597.20	38.43
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	724.41	38.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,191.65	38.43
32 84 23 00-0220		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	1,896.24	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,137.61	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	238.91	33.63
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,048.91	38.43
32 84 23 00-0225		**Calsense Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0226		**Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0227	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,960.59	96.06
32 84 23 00-0228	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,821.59	108.07
32 84 23 00-0229	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,249.16	120.08
32 84 23 00-0230	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,777.10	120.08
32 84 23 00-0231	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,831.25	132.09
32 84 23 00-0232	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,247.67	132.09
32 84 23 00-0233	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,340.44	144.10
32 84 23 00-0234	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,460.70	144.10
32 84 23 00-0235	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	3,022.56	48.04
32 84 23 00-0236	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,266.66	48.04
32 84 23 00-0237		**Irrigation Controller Accessories** *(32 84 23 00-0225)*		
32 84 23 00-0238	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	123.62	
32 84 23 00-0239	EA	Spare Lock For Enclosures (Calsense PAD)	133.92	
32 84 23 00-0240	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	157.94	12.01
32 84 23 00-0241	EA	Transformer For Irrigation Controllers (Calsense TR-1)	224.83	48.04
32 84 23 00-0242	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	624.00	48.04
32 84 23 00-0243	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	830.03	48.04
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*365.09*	
32 84 23 00-0244		**Sensors For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0245		**Flow Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0246	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,457.51	72.04
		For Flow Meter Replacement Insert Only, Deduct	*-1,066.44*	
32 84 23 00-0247	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,509.02	72.04
		For Flow Meter Replacement Insert Only, Deduct	*-1,117.95*	
32 84 23 00-0248	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,560.53	72.04
		For Flow Meter Replacement Insert Only, Deduct	*-1,169.46*	
32 84 23 00-0249	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,724.44	96.06
		For Flow Meter Replacement Insert Only, Deduct	*-1,332.91*	
32 84 23 00-0250	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,853.20	96.06
		For Flow Meter Replacement Insert Only, Deduct	*-1,461.67*	
32 84 23 00-0251	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,904.71	96.06
		For Flow Meter Replacement Insert Only, Deduct	*-1,513.18*	
32 84 23 00-0252	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,239.50	96.06
		For Flow Meter Replacement Insert Only, Deduct	*-1,719.94*	
32 84 23 00-0253	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,744.26	48.04
		For Flow Meter Replacement Insert Only, Deduct	*-1,224.70*	
32 84 23 00-0254		**Moisture Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0255	EA	Soil Moisture Sensor (Calsense 1000-S)	612.86	36.03
32 84 23 00-0256		**Weather Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0257	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,672.93	96.06
32 84 23 00-0258	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,916.58	192.12
32 84 23 00-0259	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,829.25	144.10
32 84 23 00-0260		**Weather Sensor Accessories** *(32 84 23 00-0244)*		
32 84 23 00-0261	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,126.19	
32 84 23 00-0262	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,130.56	
32 84 23 00-0263	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,126.19	48.04
32 84 23 00-0264	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,610.48	48.04
32 84 23 00-0265		**Antennas For Irrigation Controllers** *(32 84 23 00-0225)* Note: Excludes antenna cable.		
32 84 23 00-0266	EA	Local Radio Dome Antenna (Calsense LR-DOME)	585.37	48.04
32 84 23 00-0267	EA	Local Radio Stick Antenna (Calsense LR-STICK)	855.78	48.04
32 84 23 00-0268	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	951.84	96.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0269	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	585.37	48.04
32 84 23 00-0270	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	585.37	48.04
32 84 23 00-0271	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	585.37	48.04
32 84 23 00-0272	EA	GPRS Stick Antenna (Calsense GR-STICK)	855.78	48.04
32 84 23 00-0273	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	585.37	48.04
32 84 23 00-0274	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	855.78	48.04
32 84 23 00-0275	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	951.84	96.06
32 84 23 00-0276	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	585.37	48.04
32 84 23 00-0277	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	585.37	48.04
32 84 23 00-0278	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	585.37	48.04
32 84 23 00-0279	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	585.37	48.04
32 84 23 00-0280	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	16.10	0.57
32 84 23 00-0281	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	588.86	24.02
32 84 23 00-0282	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	958.79	48.04
32 84 23 00-0283	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	836.98	
32 84 23 00-0284	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,184.65	
32 84 23 00-0285	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	875.61	

32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers *(32 84 23 00-0225)*

32 84 23 00-0287	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	530.40	72.04
32 84 23 00-0288	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,293.70	120.08
32 84 23 00-0289	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,448.10	48.04
32 84 23 00-0290	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,733.12	36.03
32 84 23 00-0291	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,443.34	36.03
32 84 23 00-0292	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	6,149.80	36.03
32 84 23 00-0293	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,920.09	72.04
32 84 23 00-0294	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	9,350.28	72.04
32 84 23 00-0295	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	304.96	
32 84 23 00-0296	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	986.28	

32 84 23 00-0297 Central Computer For Irrigation Control Systems *(32 84 23 00-0225)*

32 84 23 00-0298	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,862.13	
32 84 23 00-0299	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	12,153.24	
32 84 23 00-0300	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,330.71	
32 84 23 00-0301	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,594.16	
32 84 23 00-0302	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,398.80	
32 84 23 00-0303	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,424.87	

32 84 23 00-0304 Data Access Service *(32 84 23 00-0225)*

32 84 23 00-0305	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	37.46	
32 84 23 00-0306	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	409.71	
32 84 23 00-0307	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,755.90	
32 84 23 00-0308	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	152.18	
32 84 23 00-0309	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,638.84	
32 84 23 00-0310	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	7,023.60	

32 84 23 00-0311 Communication Options For Irrigation Controllers *(32 84 23 00-0225)*

32 84 23 00-0312	EA	FCC License Fee (Calsense)	247.04	
32 84 23 00-0313	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	481.16	
32 84 23 00-0314	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,357.90	
32 84 23 00-0315	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,428.13	
32 84 23 00-0316	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,428.13	
32 84 23 00-0317	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,926.50	
32 84 23 00-0318	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,722.51	
32 84 23 00-0319	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,722.51	
32 84 23 00-0320	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,722.51	
32 84 23 00-0321	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,940.12	
32 84 23 00-0322	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,595.82	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0323		Retrofit Options For Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0324		Weather Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0325	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,816.84	
32 84 23 00-0326	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,816.84	
32 84 23 00-0327	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,816.84	
32 84 23 00-0328	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,816.84	
32 84 23 00-0329		Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0330	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,910.49	
32 84 23 00-0331	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,261.67	
32 84 23 00-0332	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,631.27	
32 84 23 00-0333		Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0334	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,144.61	
32 84 23 00-0335	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,532.63	
32 84 23 00-0336	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,890.53	
32 84 23 00-0337		Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0338	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,144.61	
32 84 23 00-0339	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,532.63	
32 84 23 00-0340	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,890.53	
32 84 23 00-0341		Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0342	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,144.61	
32 84 23 00-0343	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,261.67	
32 84 23 00-0344	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,631.27	
32 84 23 00-0345		GPRS Radio Modem Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*		
32 84 23 00-0346	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,144.61	
32 84 23 00-0347	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,532.63	
32 84 23 00-0348	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,890.53	
32 84 23 00-0349		Radio Remote Units For Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0350	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,156.32	
32 84 23 00-0351	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	463.56	
32 84 23 00-0352	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	199.00	
32 84 23 00-0353	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	351.79	
32 84 23 00-0354	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	223.02	12.01
32 84 23 00-0355	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	433.73	12.01
32 84 23 00-0356	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	468.85	12.01
32 84 23 00-0357		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0358	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	5,043.86	216.14
32 84 23 00-0359	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,319.18	228.15
32 84 23 00-0360	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,398.41	240.16
32 84 23 00-0361		LEIT Controllers *(32 84 23 00-0120)*		
32 84 23 00-0362		LEIT X Series Irrigation Controller *(32 84 23 00-0361)*		
32 84 23 00-0363	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,748.02	38.43
32 84 23 00-0364	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,210.33	38.43
32 84 23 00-0365	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,961.44	38.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0366	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,712.54	38.43
32 84 23 00-0367	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,242.11	38.43
32 84 23 00-0368	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,771.66	38.43
32 84 23 00-0369		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0361)* Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0370	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,356.51	200.28
32 84 23 00-0371	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,818.83	200.28
32 84 23 00-0372	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,569.93	200.28
32 84 23 00-0373	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,321.04	200.28
32 84 23 00-0374	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,850.59	200.28
32 84 23 00-0375	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	8,380.16	200.28
32 84 23 00-0376		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0361)* Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0377	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,645.79	279.38
32 84 23 00-0378		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0379		**Hunter XC Hybrid Controller** *(32 84 23 00-0378)* Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0380	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	779.13	96.06
32 84 23 00-0381	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	991.59	120.08
32 84 23 00-0382		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0383	EA	DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	43.09	
32 84 23 00-0384	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	68.04	
32 84 23 00-0385		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)* Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0386	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,455.54	528.03
32 84 23 00-0387	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,728.23	576.03
32 84 23 00-0388	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	4,122.51	624.04
32 84 23 00-0389	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,455.58	528.03
32 84 23 00-0390	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,728.23	576.03
32 84 23 00-0391	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	4,122.51	624.04
32 84 23 00-0392	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,303.62	528.03
32 84 23 00-0393	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,682.28	576.03
32 84 23 00-0394	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	5,076.55	624.04
32 84 23 00-0395		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0396		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0395)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0397	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	927.29	51.45
32 84 23 00-0398	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,100.27	62.83
32 84 23 00-0399	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,662.38	73.12
32 84 23 00-0400	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,757.70	83.96
32 84 23 00-0401	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,109.15	108.33
32 84 23 00-0402		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0395)*		
32 84 23 00-0403	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	177.46	44.89
		For Valve Key, Add	*44.62*	
32 84 23 00-0404	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	182.62	44.89
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*44.62*	
32 84 23 00-0405	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	239.38	44.89
		For Valve Key, Add	*114.12*	
32 84 23 00-0406	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	260.02	44.89
		For Valve Key, Add	*114.12*	
32 84 23 00-0407	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	250.30	44.89
32 84 23 00-0408	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	260.02	44.89
32 84 23 00-0409		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0395)* Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0410	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	321.82	37.91
32 84 23 00-0411	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	460.33	43.33
32 84 23 00-0412	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	833.24	50.10
32 84 23 00-0413	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	1,014.74	55.52
32 84 23 00-0414	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,024.20	67.70
32 84 23 00-0415		**Aluminum Cam And Groove Adapter** *(32 84 23 00-0395)*		
32 84 23 00-0416	EA	1-1/2" Diameter Type A Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Female Pipe Thread	47.96	
32 84 23 00-0417	EA	2" Diameter Type A Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Female Pipe Thread	50.64	
32 84 23 00-0418	EA	1-1/2" Diameter Type F Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Male Pipe Thread	49.30	
32 84 23 00-0419	EA	2" Diameter Type F Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Male Pipe Thread	53.14	
32 84 23 00-0420		**Manual Sprinkler Control Valves** *(32 84 23 00-0395)*		
32 84 23 00-0421	EA	3/4" Manual Sprinkler Control Valves, With Union	112.21	36.56
32 84 23 00-0422	EA	1" Manual Sprinkler Control Valves, With Union	136.73	39.26
32 84 23 00-0423	EA	1-1/4" Manual Sprinkler Control Valves, With Union	208.90	49.70
32 84 23 00-0424	EA	1-1/2" Manual Sprinkler Control Valves, With Union	247.53	57.28
32 84 23 00-0425	EA	2" Manual Sprinkler Control Valves, With Union	331.36	67.70
32 84 23 00-0426		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0427		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0426)*		
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0428		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0427)*		
32 84 23 00-0429	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.57	1.25
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0430	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.37	1.55
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0431	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.25	1.87
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0432	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.93	2.37
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0433	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.67	2.97
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0434	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.97	3.46
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0435	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	15.08	4.99
		For >1,000, Deduct	*-0.75*	
32 84 23 00-0436	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.61	6.24
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0437	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.69	7.79
		For >1,000, Deduct	*-1.38*	
32 84 23 00-0438		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0427)*		
32 84 23 00-0439	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.14	1.55
		For >1,000, Deduct	*-0.21*	
32 84 23 00-0440	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.87	1.87
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0441	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.67	2.37
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0442	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	8.45	2.97
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0443	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.64	3.46
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0444	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.95	4.99
		For >1,000, Deduct	*-0.75*	
32 84 23 00-0445	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	20.31	6.24
		For >1,000, Deduct	*-1.02*	
32 84 23 00-0446	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	32.09	7.79
		For >1,000, Deduct	*-1.60*	
32 84 23 00-0447		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0427)*		
32 84 23 00-0448	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.33	1.55
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0449	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.13	1.87
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0450	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.15	2.37
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0451	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	9.27	2.97
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0452	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.93	3.46
		For >1,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0453	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	15.08	4.99
		For >1,000, Deduct	*-0.75*	
32 84 23 00-0454	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.61	6.24
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0455	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	28.12	7.79
		For >1,000, Deduct	*-1.41*	

32 84 23 00-0456 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0426)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0457 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*

32 84 23 00-0458	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.78	1.55
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0459	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.67	1.87
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0460	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.35	2.37
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0461	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.09	2.97
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0462	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.39	3.46
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0463	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	17.50	4.99
		For >1,000, Deduct	*-0.88*	
32 84 23 00-0464	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	22.02	6.24
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0465	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	30.10	7.79
		For >1,000, Deduct	*-1.51*	

32 84 23 00-0466 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*

32 84 23 00-0467	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.08	1.55
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0468	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.96	1.87
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0469	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.64	2.37
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0470	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.38	2.97
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0471	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.68	3.46
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0472	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.79	4.99
		For >1,000, Deduct	*-0.89*	
32 84 23 00-0473	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	22.31	6.24
		For >1,000, Deduct	*-1.12*	
32 84 23 00-0474	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	30.39	7.79
		For >1,000, Deduct	*-1.52*	

32 84 23 00-0475 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*

32 84 23 00-0476	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.36	1.55
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0477	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.26	1.87
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0478	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.94	2.37
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0479	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.68	2.97
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0480	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.98	3.46
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0481	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	18.08	4.99
		For >1,000, Deduct	*-0.90*	
32 84 23 00-0482	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.61	6.24
		For >1,000, Deduct	*-1.13*	
32 84 23 00-0483	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	30.69	7.79
		For >1,000, Deduct	*-1.53*	

32 84 23 00-0484 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*

32 84 23 00-0485	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.66	1.55
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0486	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.48	1.87
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0487	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.37	2.37
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0488	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.48	2.97
		For >1,000, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0489	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	14.03	3.46
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0490	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	17.37	4.99
		For >1,000, Deduct	*-0.87*	
32 84 23 00-0491	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	22.72	6.24
		For >1,000, Deduct	*-1.14*	
32 84 23 00-0492	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	34.50	7.79
		For >1,000, Deduct	*-1.73*	
32 84 23 00-0493		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted** *(32 84 23 00-0456)*		
32 84 23 00-0494	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.96	1.55
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0495	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.77	1.87
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0496	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.66	2.37
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0497	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.77	2.97
		For >1,000, Deduct	*-0.59*	
32 84 23 00-0498	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	14.32	3.46
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0499	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.66	4.99
		For >1,000, Deduct	*-0.88*	
32 84 23 00-0500	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	23.01	6.24
		For >1,000, Deduct	*-1.15*	
32 84 23 00-0501	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	34.79	7.79
		For >1,000, Deduct	*-1.74*	
32 84 23 00-0502		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted** *(32 84 23 00-0456)*		
32 84 23 00-0503	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.24	1.55
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0504	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.07	1.87
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0505	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	9.96	2.37
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0506	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.07	2.97
		For >1,000, Deduct	*-0.60*	
32 84 23 00-0507	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.62	3.46
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0508	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.95	4.99
		For >1,000, Deduct	*-0.90*	
32 84 23 00-0509	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	23.31	6.24
		For >1,000, Deduct	*-1.17*	
32 84 23 00-0510	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	35.09	7.79
		For >1,000, Deduct	*-1.75*	
32 84 23 00-0511		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted** *(32 84 23 00-0456)*		
32 84 23 00-0512	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.75	1.55
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0513	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.55	1.87
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0514	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.58	2.37
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0515	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.68	2.97
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0516	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	14.35	3.46
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0517	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	17.50	4.99
		For >1,000, Deduct	*-0.88*	
32 84 23 00-0518	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	22.02	6.24
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0519	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	30.53	7.79
		For >1,000, Deduct	*-1.53*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0520			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*		
32 84 23 00-0521		LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.05	1.55
			For >1,000, Deduct	*-0.35*	
32 84 23 00-0522		LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.84	1.87
			For >1,000, Deduct	*-0.39*	
32 84 23 00-0523		LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.87	2.37
			For >1,000, Deduct	*-0.49*	
32 84 23 00-0524		LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.97	2.97
			For >1,000, Deduct	*-0.60*	
32 84 23 00-0525		LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	14.64	3.46
			For >1,000, Deduct	*-0.73*	
32 84 23 00-0526		LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.79	4.99
			For >1,000, Deduct	*-0.89*	
32 84 23 00-0527		LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	22.31	6.24
			For >1,000, Deduct	*-1.12*	
32 84 23 00-0528		LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	30.82	7.79
			For >1,000, Deduct	*-1.54*	
32 84 23 00-0529			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0456)*		
32 84 23 00-0530		LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.33	1.55
			For >1,000, Deduct	*-0.37*	
32 84 23 00-0531		LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.14	1.87
			For >1,000, Deduct	*-0.41*	
32 84 23 00-0532		LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.17	2.37
			For >1,000, Deduct	*-0.51*	
32 84 23 00-0533		LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.27	2.97
			For >1,000, Deduct	*-0.61*	
32 84 23 00-0534		LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.94	3.46
			For >1,000, Deduct	*-0.75*	
32 84 23 00-0535		LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	18.08	4.99
			For >1,000, Deduct	*-0.90*	
32 84 23 00-0536		LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.61	6.24
			For >1,000, Deduct	*-1.13*	
32 84 23 00-0537		LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	31.12	7.79
			For >1,000, Deduct	*-1.56*	
32 84 23 00-0538			Irrigation Riser Piping With Fittings *(32 84 23 00-0426)*		
32 84 23 00-0539		EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.19	3.75
32 84 23 00-0540		EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.77	4.67
32 84 23 00-0541		EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.65	4.36
32 84 23 00-0542		EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.62	5.45
32 84 23 00-0543		EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	45.42	6.55
32 84 23 00-0544		EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	48.20	8.19
32 84 23 00-0545		EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	53.33	8.42
32 84 23 00-0546		EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	56.91	10.52
32 84 23 00-0547		EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	61.26	10.29
32 84 23 00-0548		EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	65.62	12.86
32 84 23 00-0549			Irrigation Crossover Piping With Fittings *(32 84 23 00-0426)* Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0593 for irrigation wiring.		
32 84 23 00-0550			Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench *(32 84 23 00-0549)*		
32 84 23 00-0551		LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	38.72	
			For >1,000, Deduct	*-1.94*	
32 84 23 00-0552		LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	53.65	
			For >1,000, Deduct	*-2.68*	
32 84 23 00-0553		LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	72.78	
			For >1,000, Deduct	*-3.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0554	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	95.21	
		For >1,000, Deduct	*-4.76*	
32 84 23 00-0555		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench** *(32 84 23 00-0549)*		
32 84 23 00-0556	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	39.60	
		For >1,000, Deduct	*-1.98*	
32 84 23 00-0557	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	54.62	
		For >1,000, Deduct	*-2.73*	
32 84 23 00-0558	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	73.83	
		For >1,000, Deduct	*-3.69*	
32 84 23 00-0559	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	96.37	
		For >1,000, Deduct	*-4.82*	
32 84 23 00-0560		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench** *(32 84 23 00-0549)*		
32 84 23 00-0561	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	40.47	
		For >1,000, Deduct	*-2.02*	
32 84 23 00-0562	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	55.59	
		For >1,000, Deduct	*-2.78*	
32 84 23 00-0563	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	74.90	
		For >1,000, Deduct	*-3.75*	
32 84 23 00-0564	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	97.54	
		For >1,000, Deduct	*-4.88*	
32 84 23 00-0565		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore** *(32 84 23 00-0549)*		
32 84 23 00-0566	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	102.05	
		For >1,000, Deduct	*-5.10*	
32 84 23 00-0567	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	129.79	
		For >1,000, Deduct	*-6.49*	
32 84 23 00-0568	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	155.22	
		For >1,000, Deduct	*-7.76*	
32 84 23 00-0569	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	183.98	
		For >1,000, Deduct	*-9.20*	
32 84 23 00-0570		**Below Ground Cam Adapter Assembly** *(32 84 23 00-0426)*		
		Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0571	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	818.36	
32 84 23 00-0572		**Above Ground Cam Adapter Assembly** *(32 84 23 00-0426)*		
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0573	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	506.99	
32 84 23 00-0574		**Thrust Block** *(32 84 23 00-0426)*		
32 84 23 00-0575	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	42.25	
32 84 23 00-0576	EA	Thrust Block For 2" Pipe	72.47	
32 84 23 00-0577	EA	Thrust Block For 3" And 4" Pipe	102.68	
32 84 23 00-0578	EA	Thrust Block For 6" Pipe	163.82	
32 84 23 00-0579	EA	Thrust Block For 8" Pipe	232.53	
32 84 23 00-0580		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0581	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	67.57	24.81
32 84 23 00-0582	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	76.77	27.71
32 84 23 00-0583	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	101.05	27.71
32 84 23 00-0584	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	52.08	32.34
32 84 23 00-0585	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	69.59	43.15
32 84 23 00-0586	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	87.53	52.91
32 84 23 00-0587	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	74.11	32.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0588	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	97.98	43.58
32 84 23 00-0589	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	120.50	53.44
32 84 23 00-0590	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	41.97	20.12
32 84 23 00-0591	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	56.08	26.82
32 84 23 00-0592	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	66.64	33.26
32 84 23 00-0593		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0594		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0593)*		
32 84 23 00-0595	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	59.07	18.71
32 84 23 00-0596	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	77.35	21.82
32 84 23 00-0597	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	88.99	24.94
32 84 23 00-0598	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	101.86	28.05
32 84 23 00-0599	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	115.90	31.17
32 84 23 00-0600	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	138.39	34.29
32 84 23 00-0601	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	159.96	37.41
32 84 23 00-0602	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	173.80	40.53
32 84 23 00-0603	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	190.80	43.65
32 84 23 00-0604	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	210.30	46.76
32 84 23 00-0605	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	217.71	49.88
32 84 23 00-0606	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	226.36	53.00
32 84 23 00-0607	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	238.82	56.12
32 84 23 00-0608		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0593)*		
32 84 23 00-0609	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	62.27	18.71
32 84 23 00-0610		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0593)*		
32 84 23 00-0611	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	62.28	18.71
32 84 23 00-0612		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0593)*		
32 84 23 00-0613	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	83.44	18.71
32 84 23 00-0614		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0593)*		
32 84 23 00-0615	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	110.26	18.71
32 84 23 00-0616		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0617	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	107.80	24.94
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0618	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	115.84	24.94
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0619	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	107.80	24.94
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0620	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	115.84	24.94
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0621	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	115.84	24.94
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0622	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	93.61	21.82
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0623	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	101.32	21.82
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0624	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	93.61	21.82
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0625	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	101.32	21.82
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0626	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	63.99	18.71
		For Root Watering Sand Sock, Add	*1.36*	
32 84 23 00-0627	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	71.33	18.71
		For Root Watering Sand Sock, Add	*1.36*	

32 90 Planting *(32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	131.59	
		For >5 To 20, Deduct	*-10.59*	
		For >20 To 50, Deduct	*-15.89*	
		For >50, Deduct	*-22.46*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	323.13	
		For >5 To 20, Deduct	*-20.17*	
		For >20 To 50, Deduct	*-30.25*	
		For >50, Deduct	*-46.41*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	132.49	
		For >5 To 20, Deduct	*-10.64*	
		For >20 To 50, Deduct	*-15.95*	
		For >50, Deduct	*-22.58*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	137.03	
		For >5 To 20, Deduct	*-10.86*	
		For >20 To 50, Deduct	*-16.29*	
		For >50, Deduct	*-23.14*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	134.75	
		For >5 To 20, Deduct	*-10.75*	
		For >20 To 50, Deduct	*-16.12*	
		For >50, Deduct	*-22.86*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	130.21	
		For >5 To 20, Deduct	*-10.52*	
		For >20 To 50, Deduct	*-15.78*	
		For >50, Deduct	*-22.29*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0008	CY	Hardwood Chip Mulch	139.30	
		For >5 To 20, Deduct	*-10.98*	
		For >20 To 50, Deduct	*-16.46*	
		For >50, Deduct	*-23.43*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	139.30	
		For >5 To 20, Deduct	*-10.98*	
		For >20 To 50, Deduct	*-16.46*	
		For >50, Deduct	*-23.43*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0010	CY	Shredded Pine Mulch	118.84	
		For >5 To 20, Deduct	*-9.95*	
		For >20 To 50, Deduct	*-14.93*	
		For >50, Deduct	*-20.87*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0011	CY	Shredded Cedar Mulch	163.16	
		For >5 To 20, Deduct	*-12.17*	
		For >20 To 50, Deduct	*-18.25*	
		For >50, Deduct	*-26.41*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0012	CY	Shredded Cypress Mulch	159.75	
		For >5 To 20, Deduct	*-12.00*	
		For >20 To 50, Deduct	*-18.00*	
		For >50, Deduct	*-25.98*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0013	CY	Shredded Redwood Mulch	168.84	
		For >5 To 20, Deduct	*-12.45*	
		For >20 To 50, Deduct	*-18.68*	
		For >50, Deduct	*-27.12*	
		For Work On Slopes >2.5:1, Add	*16.04*	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	261.06	
		For >5 To 20, Deduct	*-18.15*	
		For >20 To 50, Deduct	*-27.23*	
		For >50, Deduct	*-40.28*	
		For Work On Slopes >2.5:1, Add	*20.40*	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	417.87	
		For >5 To 20, Deduct	*-25.99*	
		For >20 To 50, Deduct	*-38.99*	
		For >50, Deduct	*-59.88*	
		For Work On Slopes >2.5:1, Add	*20.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	420.14	
		For >5 To 20, Deduct	*-26.11*	
		For >20 To 50, Deduct	*-39.16*	
		For >50, Deduct	*-60.17*	
		For Work On Slopes >2.5:1, Add	*20.40*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	733.76	
		For >5 To 20, Deduct	*-41.79*	
		For >20 To 50, Deduct	*-62.68*	
		For >50, Deduct	*-99.37*	
		For Work On Slopes >2.5:1, Add	*20.40*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	12.36	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.46*	
		For Work On Slopes >2.5:1, Add	*0.89*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	12.66	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.43*	
		For Work On Slopes >2.5:1, Add	*0.66*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	101.78	
		For Work On Slopes >2.5:1, Add	*16.04*	
		For >100 To 1,000, Deduct	*-17.12*	
		For >1,000, Deduct	*-26.22*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.26	
		For Work On Slopes >2.5:1, Add	*0.25*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.45	
		For Work On Slopes >2.5:1, Add	*0.29*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.71	
		For Work On Slopes >2.5:1, Add	*0.34*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.56	
		For Work On Slopes >2.5:1, Add	*1.11*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.38	
		For Work On Slopes >2.5:1, Add	*1.28*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.51	
		For Work On Slopes >2.5:1, Add	*1.50*	

32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.36	
		For Work On Slopes >2.5:1, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.92*	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.70	
		For Work On Slopes >2.5:1, Add	*0.31*	
		For >1,000 To 5,000, Deduct	*-0.24*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.79*	
		For >20,000, Deduct	*-1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)	2.02	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	*0.37*	
		For >1,000 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000 To 20,000, Deduct	*-0.92*	
		For >20,000, Deduct	*-1.30*	
32 91 13 26-0012		**Planting Pit Preparation** *(32 91 13 26)*		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil	96.06	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*19.21*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil	192.12	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*38.42*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil	15.99	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*3.20*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil	20.81	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*4.16*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	85.37	
		For Work On Slopes >2.5:1, Add	*17.07*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	147.16	
		For Work On Slopes >2.5:1, Add	*15.80*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.52	
		For Work On Slopes >2.5:1, Add	*1.70*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	90.17	
		For Work On Slopes >2.5:1, Add	*4.40*	
32 91 13 26-0021		**Weed Barrier** *(32 91 13 26)*		
32 91 13 26-0022	SY	Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier	2.52	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0023	SY	4 Oz./SY Woven, Polypropylene Weed Barrier	3.43	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0024	SY	5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier	3.83	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 33		**Soil Conditioners** *(32 91 13)*		
32 91 13 33-0001		**Spread Soil Conditioners** *(32 91 13 33)*		
32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.49	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	47.89	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	8.07	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.52	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	6.24	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	9.05	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.35	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	453.06	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	4.04	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	442.56	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.66	
32 91 13 36		**Lawn Bed Preparation** *(32 91 13)*		
32 91 13 36-0001		**Lawn Bed Preparation** *(32 91 13 36)*		
32 91 13 36-0002	MSF	Rake Topsoil With Machine	98.93	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	76.83	
32 91 13 36-0004	MSF	Screen Loam By Hand	51.23	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.29	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.43	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.70	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	35.92	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	61.22	
		For >45 to 225, Deduct	*-42.85*	
		For >225, Deduct	*-55.10*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	102.03	
		For >45 to 225, Deduct	*-71.42*	
		For >225, Deduct	*-91.83*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.54	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	11.22	
		For Work On Slopes >2.5:1, Add	*2.24*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.82	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.99	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.36	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.48	
		For Work On Slopes >2.5:1, Add	*1.30*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.75	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.84	
		For Work On Slopes >2.5:1, Add	*0.77*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.40	
		For Work On Slopes >2.5:1, Add	*0.28*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.92	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.86	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	12.53	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	8.34	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.54	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	73.32	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	5.07	
		For Unscreened, Deduct	*-0.72*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	9.77	
		For Unscreened, Deduct	*-1.43*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	14.21	
		For Unscreened, Deduct	*-2.14*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	20.61	
		For Unscreened, Deduct	*-3.21*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	27.00	
		For Unscreened, Deduct	*-4.28*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	74.99	
		For Unscreened, Deduct	*-12.85*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	74.81	
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	52.37	
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	30.76	

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	248.97	
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	34.50	
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	25.77	

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	190.99	
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	27.01	
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	19.32	

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	160.73	
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	18.26	
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	12.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 Lbs./MSF spread rate.	52.35
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 Lbs./MSF spread rate.	41.29
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 Lbs./MSF spread rate.	42.03
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	45.81
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	48.51
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate.	44.90
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	40.40
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 Lbs./MSF spread rate.	31.91
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate.	99.07
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	59.35
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	31.81
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	35.43

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	106.14
		For Spot Areas Up To 1, Add	*112.47*
		For >1 To 4, Add	*72.15*
		For >4 To 7.5, Add	*48.80*
		For >7.5 To 10, Add	*24.40*
		For >45, Deduct	*-8.49*
		For Tackifier, Add	*4.57*
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 Lbs./MSF spread rate.	112.61
		For Spot Areas Up To 1, Add	*115.06*
		For >1 To 4, Add	*73.44*
		For >4 To 7.5, Add	*49.45*
		For >7.5 To 10, Add	*24.73*
		For >45, Deduct	*-8.81*
		For Tackifier, Add	*4.57*
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 Lbs./MSF spread rate.	106.41
		For Spot Areas Up To 1, Add	*112.58*
		For >1 To 4, Add	*72.20*
		For >4 To 7.5, Add	*48.83*
		For >7.5 To 10, Add	*24.42*
		For >45, Deduct	*-8.50*
		For Tackifier, Add	*4.57*
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	106.14
		For Spot Areas Up To 1, Add	*112.47*
		For >1 To 4, Add	*72.15*
		For >4 To 7.5, Add	*48.80*
		For >7.5 To 10, Add	*24.40*
		For >45, Deduct	*-8.49*
		For Tackifier, Add	*4.57*
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	112.61
		For Spot Areas Up To 1, Add	*115.06*
		For >1 To 4, Add	*73.44*
		For >4 To 7.5, Add	*49.45*
		For >7.5 To 10, Add	*24.73*
		For >45, Deduct	*-8.81*
		For Tackifier, Add	*4.57*
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate.	109.84
		For Spot Areas Up To 1, Add	*113.95*
		For >1 To 4, Add	*72.89*
		For >4 To 7.5, Add	*49.17*
		For >7.5 To 10, Add	*24.59*
		For >45, Deduct	*-8.67*
		For Tackifier, Add	*4.57*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding	107.60	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*113.06*	
		For >1 To 4, Add	*72.44*	
		For >4 To 7.5, Add	*48.95*	
		For >7.5 To 10, Add	*24.48*	
		For >45, Deduct	*-8.56*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding	100.40	
		Note: 0.10 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*110.18*	
		For >1 To 4, Add	*71.00*	
		For >4 To 7.5, Add	*48.23*	
		For >7.5 To 10, Add	*24.12*	
		For >45, Deduct	*-8.20*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding	165.26	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*136.12*	
		For >1 To 4, Add	*83.97*	
		For >4 To 7.5, Add	*54.72*	
		For >7.5 To 10, Add	*27.36*	
		For >45, Deduct	*-11.45*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	144.96	
		Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*128.00*	
		For >1 To 4, Add	*79.91*	
		For >4 To 7.5, Add	*52.69*	
		For >7.5 To 10, Add	*26.34*	
		For >45, Deduct	*-10.43*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	91.64	
		Note: 7 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*106.67*	
		For >1 To 4, Add	*69.25*	
		For >4 To 7.5, Add	*47.35*	
		For >7.5 To 10, Add	*23.68*	
		For >45, Deduct	*-7.76*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding	102.45	
		Note: 7 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*111.00*	
		For >1 To 4, Add	*71.41*	
		For >4 To 7.5, Add	*48.44*	
		For >7.5 To 10, Add	*24.22*	
		For >45, Deduct	*-8.31*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	107.99	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*113.21*	
		For >1 To 4, Add	*72.52*	
		For >4 To 7.5, Add	*48.99*	
		For >7.5 To 10, Add	*24.49*	
		For >45, Deduct	*-8.58*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0028	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium	134.96	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-8.34*	
32 92 19 13-0029	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium	157.17	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-9.53*	
32 92 19 13-0030	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium	179.50	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-10.73*	
32 92 19 13-0031	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium	201.85	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-11.94*	
32 92 19 13-0032	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium	224.33	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-13.15*	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand	121.54	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.48*	
		For >20 To 45, Deduct	*-16.32*	
		For >45, Deduct	*-26.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand	110.48	
		Note: 5.5 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.93*	
		For >20 To 45, Deduct	*-15.49*	
		For >45, Deduct	*-25.45*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand	111.22	
		Note: 10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.96*	
		For >20 To 45, Deduct	*-15.54*	
		For >45, Deduct	*-25.53*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand	115.00	
		Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For >5 To 20, Deduct	*-8.15*	
		For >20 To 45, Deduct	*-15.83*	
		For >45, Deduct	*-25.91*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand	117.70	
		Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For >5 To 20, Deduct	*-8.29*	
		For >20 To 45, Deduct	*-16.03*	
		For >45, Deduct	*-26.18*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand	114.09	
		Note: 6 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.11*	
		For >20 To 45, Deduct	*-15.76*	
		For >45, Deduct	*-25.82*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	109.59	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-7.88*	
		For >20 To 45, Deduct	*-15.42*	
		For >45, Deduct	*-25.37*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	101.10	
		Note: 0.10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.46*	
		For >20 To 45, Deduct	*-14.79*	
		For >45, Deduct	*-24.52*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	168.26	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.81*	
		For >20 To 45, Deduct	*-19.82*	
		For >45, Deduct	*-31.23*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	128.54	
		Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-8.83*	
		For >20 To 45, Deduct	*-16.84*	
		For >45, Deduct	*-27.26*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	101.00	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.45*	
		For >20 To 45, Deduct	*-14.78*	
		For >45, Deduct	*-24.51*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	104.62	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.63*	
		For >20 To 45, Deduct	*-15.05*	
		For >45, Deduct	*-24.87*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	123.29	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.57*	
		For >20 To 45, Deduct	*-16.45*	
		For >45, Deduct	*-26.74*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	118.21	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.31*	
		For >20 To 45, Deduct	*-16.07*	
		For >45, Deduct	*-26.23*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	114.51	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.13*	
		For >20 To 45, Deduct	*-15.79*	
		For >45, Deduct	*-25.86*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	121.90	
		Note: 4.4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.50*	
		For >20 To 45, Deduct	*-16.35*	
		For >45, Deduct	*-26.60*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	116.36	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.22*	
		For >20 To 45, Deduct	*-15.93*	
		For >45, Deduct	*-26.04*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	117.70	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.29*	
		For >20 To 45, Deduct	*-16.03*	
		For >45, Deduct	*-26.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,707.28	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,437.69	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,223.82	
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	1,070.45	
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,086.22	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,758.36	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,445.07	
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,258.59	

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	2,488.87	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	2,021.88	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,710.65	
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,459.91	
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,865.14	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,342.55	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,931.90	
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,648.05	

32 92 23 00-0019 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,415.60	
		For Hybrid Fescue "Marathon", Add		*161.86*
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,966.93	
		For Hybrid Fescue "Marathon", Add		*121.96*
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,664.86	
		For Hybrid Fescue "Marathon", Add		*102.01*
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,423.27	
		For Hybrid Fescue "Marathon", Add		*82.06*
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,791.87	
		For Hybrid Fescue "Marathon", Add		*161.86*
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,287.60	
		For Hybrid Fescue "Marathon", Add		*121.96*
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,886.11	
		For Hybrid Fescue "Marathon", Add		*102.01*
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,611.41	
		For Hybrid Fescue "Marathon", Add		*82.06*

32 92 23 00-0028 Centipede Sod *(32 92 23)*

32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	2,187.76	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,796.05	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,522.46	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,309.35	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,564.03	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,116.72	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,743.71	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,497.49	

32 92 23 00-0037 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	2,081.58	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,716.41	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,456.09	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,256.26	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,457.85	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,037.08	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,677.34	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,444.40	

32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar *(32 92 23)*

32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,922.31	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,596.96	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,356.55	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,176.63	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	2,298.58	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,917.63	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,577.80	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,364.77	

32 92 23 00-0055 GN-1 Sod *(32 92 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	2,473.63	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	2,010.45	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,701.12	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,452.29	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,849.90	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,331.12	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,922.37	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,640.43	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	39.07	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	72.23	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	131.26	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	238.90	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	29.91	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	39.77	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	42.56	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	29.83	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	39.77	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	96.22	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	37.76	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	48.93	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	93.55	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	35.04	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	55.09	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	94.29	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	32.62	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	33.73	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	74.40	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	103.29	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	116.02	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	191.41	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	56.08	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	83.93	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	42.81	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	59.65	

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	13.05	
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	35.17	
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	116.30	
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	11.13	
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	30.98	
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	11.13	
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	28.94	
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily	9.76	
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily	24.05	
32 93 13 00-0038	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	18.13	
32 93 13 00-0039	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	47.63	
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN	13.59	
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	200.52	
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	18.13	
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	9.86	
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	24.70	
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	9.76	
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	24.05	
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	98.71	
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	50.18	
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	65.33	
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	82.69	
32 93 13 00-0051	EA	1 Quart Waldsteinia ternata - Barren Strawberry	14.20	
32 93 13 00-0052	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	34.08	
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	46.39	
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	88.05	
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	155.27	
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	15.89	
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	29.35	
32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	103.20	
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	38.52	
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	18.93	
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	43.17	
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	118.15	
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	49.65	
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft	14.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft	34.08	
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	40.90	
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	147.69	
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle	8.52	
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle	14.20	
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle	34.08	
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	146.74	
32 93 13 00-0072	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	34.08	
32 93 13 00-0073	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	147.69	
32 93 13 00-0074	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	44.50	
32 93 13 00-0075	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	98.47	
32 93 13 00-0076	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	147.69	
32 93 13 00-0077	EA	1 Gallon Ranunculaceae - Clematis Varieties	48.92	
32 93 13 00-0078	EA	2 Gallon Ranunculaceae - Clematis Varieties	90.47	
32 93 13 00-0079	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	61.54	
32 93 13 00-0080	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	115.50	
32 93 13 00-0081	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	189.35	
32 93 13 00-0082	EA	4" Pot Lantana camera - Common Lantana	8.52	
32 93 13 00-0083	EA	1 Gallon Lantana camera - Common Lantana	24.62	
32 93 13 00-0084	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	29.35	
32 93 13 00-0085	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	96.57	
32 93 13 00-0086	EA	2 Quart Lysimachia nummularia - Creeping Jenny	14.20	
32 93 13 00-0087	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	27.46	
32 93 13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft	24.62	
32 93 13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft	44.50	
32 93 13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft	93.73	
32 93 13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope	6.21	
32 93 13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	8.52	
32 93 13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	34.08	
32 93 13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.68	
32 93 13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch	192.19	
32 93 13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller	14.20	
32 93 13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller	34.08	
32 93 13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	118.34	
32 93 13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	216.80	
32 93 13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly	25.71	
32 93 13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly	55.10	
32 93 13 00-0102	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	55.10	
32 93 13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	18.37	
32 93 13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy	8.52	
32 93 13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy	14.20	
32 93 13 00-0106	EA	1 Gallon Hedera helix - English Ivy	34.08	
32 93 13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy	196.92	
32 93 13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender	12.31	
32 93 13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender	23.67	
32 93 13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender	38.82	
32 93 13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	36.92	
32 93 13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	73.85	
32 93 13 00-0113	EA	1 Quart Arundo donax - Giant Reed	45.45	
32 93 13 00-0114	EA	1 Gallon Arundo donax - Giant Reed	65.33	
32 93 13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	38.82	
32 93 13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	73.85	
32 93 13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	50.18	
32 93 13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	75.74	
32 93 13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	8.52	
32 93 13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	38.82	
32 93 13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	73.85	
32 93 13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	34.08	
32 93 13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	113.61	
32 93 13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors	44.39	
32 93 13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	35.50	
32 93 13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine	17.88	
32 93 13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine	44.39	
32 93 13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	22.30	
32 93 13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	49.65	
32 93 13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine	27.46	
32 93 13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine	86.15	
32 93 13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear	14.20	
32 93 13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear	34.08	
32 93 13 00-0134	EA	1 Gallon Lantana spp. Various Colors	20.09	
32 93 13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana	13.22	
32 93 13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	27.46	
32 93 13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	98.46	
32 93 13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	20.09	
32 93 13 00-0139	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	25.35	
32 93 13 00-0140	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	40.54	
32 93 13 00-0141	EA	1 Quart Moss Phlox, Creeping Phlox	14.20	
32 93 13 00-0142	EA	1 Gallon Moss Phlox, Creeping Phlox	34.08	
32 93 13 00-0143	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	17.88	
32 93 13 00-0144	EA	4" Pot Ophiopogon Japonicus - Mondo grass	8.52	
32 93 13 00-0145	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	34.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0146	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	78.58	
32 93 13 00-0147	EA	2' To 3' High Oregon Holly-Grape	39.34	
32 93 13 00-0148	EA	1 Gallon Pachysandra terminalis - Pachysandra	51.25	
32 93 13 00-0149	EA	2-1/4" Pot Vinca minor - Periwinkle	4.73	
32 93 13 00-0150	EA	4" Pot Vinca minor - Periwinkle	14.20	
32 93 13 00-0151	EA	Bare Root Vinca minor - Periwinkle	4.73	
32 93 13 00-0152	EA	1 Quart Nepeta mussinii - Persian Catmint	14.20	
32 93 13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint	29.35	
32 93 13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	23.67	
32 93 13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	86.15	
32 93 13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	38.82	
32 93 13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	83.31	
32 93 13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	123.08	
32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	33.80	
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	87.60	
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	146.75	
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	17.88	
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	19.88	
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	35.50	
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	55.39	
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily	22.04	
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily	58.77	
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort	14.20	
32 93 13 00-0169	EA	1 Gallon Hypericum perforatum - St. John's Wort	34.08	
32 93 13 00-0170	EA	5 Gallon Hypericum perforatum - St. John's Wort	88.05	
32 93 13 00-0171	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	119.82	
32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper	52.07	
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper	78.58	
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper	189.35	
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	14.20	
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	25.56	
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	35.50	
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	55.39	
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	38.82	
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	17.99	
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	27.46	
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	168.74	
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	8.52	
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	44.50	
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	34.08	
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	68.17	
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	118.34	
32 93 13 00-0190	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	27.46	
32 93 13 00-0191	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	93.73	
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	26.50	
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	7.00	
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	21.73	
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	7.42	
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum	26.50	
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	7.42	
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	21.20	
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.42	
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	21.20	
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant	20.14	
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant	8.48	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	27.46	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	38.82	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	64.38	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	14.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	35.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower	14.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	35.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	14.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	35.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	45.92	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	14.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	35.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	14.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	32.66	
32 93 23 00-0016	EA	2 Gallon Blank Flower	45.92	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	14.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	35.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	24.14	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	40.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0021	EA	1 Quart Blue Plumbago	14.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	35.50	
32 93 23 00-0023	EA	1 Quart Blue Star	25.56	
32 93 23 00-0024	EA	1 Gallon Blue Star	40.71	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	14.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	35.50	
32 93 23 00-0027	EA	4" Pot Columbine	8.52	
32 93 23 00-0028	EA	1 Quart Columbine	14.20	
32 93 23 00-0029	EA	1 Gallon Columbine	35.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	14.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	35.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	14.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	35.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	51.13	
32 93 23 00-0035	EA	1 Quart Diploid	17.99	
32 93 23 00-0036	EA	1 Gallon Diploid	40.71	
32 93 23 00-0037	EA	3 Gallon Diploid	70.06	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	20.27	
32 93 23 00-0039	EA	1 Quart Evans Begonia	25.56	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	45.92	
32 93 23 00-0041	EA	1 Quart False Dragonhead	14.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	35.50	
32 93 23 00-0043	EA	1 Quart False Spirea	14.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	45.92	
32 93 23 00-0045	EA	3 Gallon False Spirea	63.43	
32 93 23 00-0046	EA	2 Quart False Sunflower	22.72	
32 93 23 00-0047	EA	1 Gallon False Sunflower	35.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	45.92	
32 93 23 00-0049	EA	1 Gallon Foxglove	32.66	
32 93 23 00-0050	EA	2 Gallon Foxglove	45.92	
32 93 23 00-0051	EA	3 Gallon Foxglove	66.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	57.49	
32 93 23 00-0053	EA	1 Quart Garden Phlox	14.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	35.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	30.29	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	61.07	
32 93 23 00-0057	EA	1 Quart Golden Star	14.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	35.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	14.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	35.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	66.12	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	8.52	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	14.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	35.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	12.31	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	20.36	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	32.66	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	50.65	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	80.95	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	106.52	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	8.52	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	25.56	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	45.92	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	5.05	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	7.57	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	32.61	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	20.36	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	40.71	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	168.74	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	27.93	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	53.03	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	53.76	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	8.52	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	14.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	35.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	14.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	35.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	27.46	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	38.82	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	64.38	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	121.67	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	25.56	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	35.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	45.92	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	14.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	35.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow	27.93	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	50.65	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	86.63	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	54.13	
32 93 23 00-0101	EA	1 Quart Siberian Iris	24.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0102	EA	2 Gallon Siberian Iris	45.92	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	63.43	
32 93 23 00-0104	EA	1 Quart Speedwell	14.20	
32 93 23 00-0105	EA	1 Gallon Speedwell	35.50	
32 93 23 00-0106	EA	1 Quart Tetraploid	35.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid	66.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid	90.42	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	14.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	35.50	
32 93 23 00-0111	EA	1 Quart Torch Lily	14.20	
32 93 23 00-0112	EA	1 Quart Bluebeard	25.56	
32 93 23 00-0113	EA	1 Gallon Bluebeard	37.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard	55.39	
32 93 23 00-0115		**Annuals** *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.59	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.92	
32 93 23 00-0118	EA	4" Pot Annual Flowers	19.05	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	25.34	
32 93 23 00-0120	EA	6" Pot Annual Flowers	50.17	
32 93 23 00-0121	EA	8" Pot Annual Flowers	83.61	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	109.46	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	124.15	
32 93 23 00-0124		**Bulbs** *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	22.91	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.32	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.50	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.94	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.47	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.97	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.15	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.32	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.93	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.79	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.97	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.97	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	4.14	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.41	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	4.14	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.88	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	4.14	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	4.14	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.23	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.53	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.64	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.53	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	3.08	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.41	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.35	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.91	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.26	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.26	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.26	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.64	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.56	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.64	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.41	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.64	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.53	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.79	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.97	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	3.17	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	3.00	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.26	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.26	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.56	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.76	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.64	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.44	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.64	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shurbs.

32 93 33 00-0001		**Shrubs** *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	24.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	49.18	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	94.41	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.86	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	24.38	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	96.78	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	113.09	
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	165.28	
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	184.42	
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	233.14	
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	259.23	
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	52.19	
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	69.59	
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	86.99	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.86	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	24.38	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	47.47	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	55.85	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	67.02	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	78.19	
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	94.95	
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.08	
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.87	
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	51.66	
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	58.64	
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.77	
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.57	
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	52.36	
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	55.15	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	9.60	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	22.20	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.25	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	24.75	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	33.45	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.86	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	24.38	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.86	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	24.38	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	12.00	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	17.55	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	50.10	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	63.60	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	89.10	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	11.13	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.82	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	53.55	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	68.55	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	87.60	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	14.40	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	28.35	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	34.65	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	13.65	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	38.55	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	53.55	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	82.65	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	15.60	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	41.85	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	44.55	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	57.30	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	76.35	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	114.60	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	159.15	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	44.55	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	57.30	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	76.35	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	114.60	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	29.32	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	48.87	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	69.81	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	94.95	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	10.54	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	32.43	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	105.39	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	46.08	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	41.89	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	55.85	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	17.89	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	38.16	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	63.45	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	94.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	245.13	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	17.89	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	38.16	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	63.45	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	46.08	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	11.13	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.94	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	46.08	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	39.10	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	46.08	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.91	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.10	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	41.89	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	40.20	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	53.55	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	82.65	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.86	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	24.38	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	44.68	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.17	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	53.76	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	56.55	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	66.32	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.86	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	24.38	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	114.17	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	63.60	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	79.50	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	101.85	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	139.95	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.32	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	33.51	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	50.27	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	41.89	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	46.08	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	46.08	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	41.89	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	48.87	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	53.06	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	64.23	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.38	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	50.96	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	57.94	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	36.30	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.89	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	44.68	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.87	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	54.45	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	43.28	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	48.87	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	52.36	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	56.55	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	139.63	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	181.51	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	195.48	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	251.33	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	307.18	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	349.07	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	133.65	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	200.40	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	302.24	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	36.30	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	33.45	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.91	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	14.40	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	44.55	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	60.15	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	101.85	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.86	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	24.38	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	14.40	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	28.35	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.86	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	24.38	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	96.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	27.02	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	67.56	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	35.60	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	39.10	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	50.27	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	58.64	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	67.02	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	55.85	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	67.02	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	78.19	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	20.94	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	50.27	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	67.02	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	24.38	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.86	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	24.38	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	96.78	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.86	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	24.38	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	96.78	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	41.70	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	57.30	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	68.55	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	66.75	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.86	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	24.38	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	96.78	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	12.00	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	25.20	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	34.65	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	10.24	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	29.54	
32 93 33 00-0197	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	39.82	
32 93 33 00-0198	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	49.78	
32 93 33 00-0199	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	68.40	
32 93 33 00-0200	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	84.46	
32 93 33 00-0201	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	99.55	
32 93 33 00-0202	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	128.46	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	36.93	
32 93 33 00-0204	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	160.57	
32 93 33 00-0205	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	62.83	
32 93 33 00-0206	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	74.70	
32 93 33 00-0207	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	97.74	
32 93 33 00-0208	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	117.29	
32 93 33 00-0209	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	145.21	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	44.55	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	52.50	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	71.70	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	85.95	
32 93 33 00-0214	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	108.15	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	152.70	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	190.95	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	222.75	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	44.55	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	50.85	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	62.10	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	87.60	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	103.50	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	124.05	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	175.05	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	206.85	
32 93 33 00-0226	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	37.70	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	14.40	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	28.35	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	34.65	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	41.10	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.86	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	24.38	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	96.78	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	31.80	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	40.20	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	50.10	
32 93 33 00-0237	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	32.11	
32 93 33 00-0238	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.60	
32 93 33 00-0239	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	38.40	
32 93 33 00-0240	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	33.51	
32 93 33 00-0241	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	44.68	
32 93 33 00-0242	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	33.51	
32 93 33 00-0243	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	39.10	
32 93 33 00-0244	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	46.08	
32 93 33 00-0245	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	53.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0246	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	61.44	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	47.47	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	66.32	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	69.81	
32 93 33 00-0250	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	72.61	
32 93 33 00-0251	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	78.19	
32 93 33 00-0252	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	94.95	
32 93 33 00-0253	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	122.87	
32 93 33 00-0254	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	139.63	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	10.35	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	27.15	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	34.65	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.86	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	24.38	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	96.78	
32 93 33 00-0261	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	97.74	
32 93 33 00-0262	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	159.17	
32 93 33 00-0263	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	201.06	
32 93 33 00-0264	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	307.18	
32 93 33 00-0265	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	349.07	
32 93 33 00-0266	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.94	
32 93 33 00-0267	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	20.87	
32 93 33 00-0268	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	40.14	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	15.22	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	25.69	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	38.86	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	40.20	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	34.20	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	46.20	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	66.75	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	92.25	
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	28.35	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	39.90	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	44.55	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	50.85	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	28.35	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	48.87	
32 93 33 00-0283	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	53.06	
32 93 33 00-0284	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	61.44	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	64.23	
32 93 33 00-0286	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	50.27	
32 93 33 00-0287	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	67.02	
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	29.32	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	34.91	
32 93 33 00-0290	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.02	
32 93 33 00-0291	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.11	
32 93 33 00-0292	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	36.30	
32 93 33 00-0293	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	41.89	
32 93 33 00-0294	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	55.85	
32 93 33 00-0295	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	40.49	
32 93 33 00-0296	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.08	
32 93 33 00-0297	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	54.45	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	28.35	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	33.51	
32 93 33 00-0300	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	36.30	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	14.40	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	28.35	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	39.90	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulftide Sweet Holly	38.25	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	48.45	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	62.85	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	76.35	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	28.57	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	14.40	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	28.35	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	41.10	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	14.40	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	31.50	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	41.10	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	31.50	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	37.95	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	76.35	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	101.85	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	101.85	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	168.60	
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	216.30	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	260.84	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	365.84	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	509.09	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	731.69	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	1,113.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,352.07	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	1,670.22	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	101.85	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	133.65	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	82.65	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	114.60	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	133.65	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	13.50	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	27.15	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	95.40	
32 93 33 00-0337	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.28	
32 93 33 00-0338	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	48.87	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	55.85	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	51.66	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	62.83	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	46.08	
32 93 33 00-0343	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	46.08	
32 93 33 00-0344	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	48.87	
32 93 33 00-0345	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.64	
32 93 33 00-0346	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.62	
32 93 33 00-0347	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	69.81	
32 93 33 00-0348	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	89.36	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	165.45	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	219.44	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	196.34	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	381.74	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	3.69	
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	14.45	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	11.24	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	128.46	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	256.91	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	346.83	
32 93 33 00-0359	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	48.87	
32 93 33 00-0360	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	54.45	
32 93 33 00-0361	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	72.61	
32 93 33 00-0362	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	94.95	
32 93 33 00-0363	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	111.70	
32 93 33 00-0364	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	150.80	
32 93 33 00-0365	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	206.65	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.28	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.87	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	54.45	
32 93 33 00-0369	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	58.64	
32 93 33 00-0370	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	64.23	
32 93 33 00-0371	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	78.19	
32 93 33 00-0372	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	94.95	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	37.70	
32 93 33 00-0374	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	44.68	
32 93 33 00-0375	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	61.44	
32 93 33 00-0376	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	78.19	
32 93 33 00-0377	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	94.95	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	34.91	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	41.89	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	36.30	
32 93 33 00-0381	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	69.81	
32 93 33 00-0382	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	108.91	
32 93 33 00-0383	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	136.83	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	57.30	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	76.35	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	111.30	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	203.54	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	311.84	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	477.29	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	12.75	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	39.90	
32 93 33 00-0392	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	40.49	
32 93 33 00-0393	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	46.08	
32 93 33 00-0394	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	50.27	
32 93 33 00-0395	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	58.64	
32 93 33 00-0396	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	67.02	
32 93 33 00-0397	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	83.78	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	9.60	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	34.20	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	47.70	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	70.05	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	111.30	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	144.51	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	192.68	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	401.42	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	14.40	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	31.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	37.95	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.85	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	27.15	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	127.20	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.85	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	19.05	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	24.75	
32 93 33 00-0415	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	41.89	
32 93 33 00-0416	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	61.44	
32 93 33 00-0417	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	78.19	
32 93 33 00-0418	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	89.36	
32 93 33 00-0419	EA	5 Gallon Lindera benzoin - Spicebush	46.08	
32 93 33 00-0420	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	39.10	
32 93 33 00-0421	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	47.47	
32 93 33 00-0422	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	76.35	
32 93 33 00-0423	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	92.25	
32 93 33 00-0424	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	41.89	
32 93 33 00-0425	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	50.27	
32 93 33 00-0426	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	55.85	
32 93 33 00-0427	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	61.44	
32 93 33 00-0428	EA	1 Gallon Myrica cerifera - Wax Myrtle	8.03	
32 93 33 00-0429	EA	4 Gallon Myrica cerifera - Wax Myrtle	25.69	
32 93 33 00-0430	EA	7 Gallon Myrica cerifera - Wax Myrtle	56.20	
32 93 33 00-0431	EA	10 Gallon Myrica cerifera - Wax Myrtle	83.50	
32 93 33 00-0432	EA	15 Gallon Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0433	EA	45 Gallon Myrica cerifera - Wax Myrtle	385.37	
32 93 33 00-0434	EA	1' - 2' Myrica cerifera - Wax Myrtle	11.24	
32 93 33 00-0435	EA	3' - 4' Myrica cerifera - Wax Myrtle	38.54	
32 93 33 00-0436	EA	5' - 6' Myrica cerifera - Wax Myrtle	70.65	
32 93 33 00-0437	EA	7' - 8' Myrica cerifera - Wax Myrtle	96.34	
32 93 33 00-0438	EA	9' - 10' Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0439	EA	11' - 12' Myrica cerifera - Wax Myrtle	195.90	
32 93 33 00-0440	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	41.89	
32 93 33 00-0441	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	68.42	
32 93 33 00-0442	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	100.53	
32 93 33 00-0443	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	120.08	
32 93 33 00-0444	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	125.66	
32 93 33 00-0445	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.86	
32 93 33 00-0446	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	24.38	
32 93 33 00-0447	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	96.78	
32 93 33 00-0448	EA	1 Gallon Nandina domestica - Heavenly Bamboo	14.40	
32 93 33 00-0449	EA	2 Gallon Nandina domestica - Heavenly Bamboo	31.50	
32 93 33 00-0450	EA	5 Gallon Nandina domestica - Heavenly Bamboo	47.70	
32 93 33 00-0451	EA	15 Gallon Nerium oleander - Oleander	105.90	
32 93 33 00-0452	EA	24" Box Nerium oleander - Oleander	380.56	
32 93 33 00-0453	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.85	
32 93 33 00-0454	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	24.00	
32 93 33 00-0455	EA	1 Gallon Philadelphus - Evergreen Mockorange	12.30	
32 93 33 00-0456	EA	5 Gallon Philadelphus - Evergreen Mockorange	39.90	
32 93 33 00-0457	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	41.89	
32 93 33 00-0458	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	48.87	
32 93 33 00-0459	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	55.85	
32 93 33 00-0460	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.86	
32 93 33 00-0461	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	24.38	
32 93 33 00-0462	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	96.78	
32 93 33 00-0463	EA	1 Gallon Phormium tenax - New Zealand Flax	10.39	
32 93 33 00-0464	EA	5 Gallon Phormium tenax - New Zealand Flax	24.91	
32 93 33 00-0465	EA	15 Gallon Phormium tenax - New Zealand Flax	105.90	
32 93 33 00-0466	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	41.89	
32 93 33 00-0467	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	48.87	
32 93 33 00-0468	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	55.85	
32 93 33 00-0469	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	69.81	
32 93 33 00-0470	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	83.78	
32 93 33 00-0471	EA	12" To 15" Spread Pieris - Mountain Andromeda	38.55	
32 93 33 00-0472	EA	15" To 18" Spread Pieris - Mountain Andromeda	82.65	
32 93 33 00-0473	EA	12" To 15" Pieris japonica - Japanese Andromeda	50.10	
32 93 33 00-0474	EA	15" To 18" Pieris japonica - Japanese Andromeda	57.30	
32 93 33 00-0475	EA	18" To 24" Pieris japonica - Japanese Andromeda	71.70	
32 93 33 00-0476	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	101.85	
32 93 33 00-0477	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	120.90	
32 93 33 00-0478	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	43.50	
32 93 33 00-0479	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	55.67	
32 93 33 00-0480	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	66.98	
32 93 33 00-0481	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	86.12	
32 93 33 00-0482	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	103.52	
32 93 33 00-0483	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	151.36	
32 93 33 00-0484	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	93.95	
32 93 33 00-0485	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	113.09	
32 93 33 00-0486	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	150.50	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	5.30	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	13.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	5.30	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	13.65	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	23.92	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.32	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.82	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.86	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	24.38	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	96.78	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	23.74	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	33.51	
32 93 33 00-0499	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	25.13	
32 93 33 00-0500	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	27.93	
32 93 33 00-0501	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	40.49	
32 93 33 00-0502	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	46.77	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.98	
32 93 33 00-0504	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.95	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	89.15	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	22.80	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	28.22	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	36.73	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	20.37	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	26.07	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	41.59	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	83.27	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	25.05	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	28.13	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	32.71	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	22.24	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	27.29	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	32.71	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	37.47	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	9.45	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	27.90	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	57.30	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	12.00	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.90	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	82.65	
32 93 33 00-0526	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	9.60	
32 93 33 00-0527	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	18.30	
32 93 33 00-0528	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	32.55	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	14.59	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	41.73	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	125.22	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	73.20	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	100.35	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	130.50	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	238.65	
32 93 33 00-0536	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	10.49	
32 93 33 00-0537	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	24.91	
32 93 33 00-0538	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	105.90	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	15.60	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	31.50	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	41.10	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	47.70	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	55.80	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	70.05	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	101.85	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	143.10	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	17.55	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	31.50	
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	54.15	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.05	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	101.85	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	149.55	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	200.40	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	39.90	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	143.10	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	45.15	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	79.50	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	117.75	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	53.55	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	70.05	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	92.25	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	53.55	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	66.75	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea	108.15	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea	149.55	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea	200.40	
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea	267.29	
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron	17.55	
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron	37.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0570	EA	3 Gallon Rhododendron - Hybrid Rhododendron	53.85	
32 93 33 00-0571	EA	5 Gallon Rhododendron - Hybrid Rhododendron	60.15	
32 93 33 00-0572	EA	15" To 18" Rhododendron - Hybrid Rhododendron	50.85	
32 93 33 00-0573	EA	18" To 24" Rhododendron - Hybrid Rhododendron	70.05	
32 93 33 00-0574	EA	24" To 30" Rhododendron - Hybrid Rhododendron	95.40	
32 93 33 00-0575	EA	30" To 36" Rhododendron - Hybrid Rhododendron	111.30	
32 93 33 00-0576	EA	36" To 42" Rhododendron - Hybrid Rhododendron	159.15	
32 93 33 00-0577	EA	42" To 48" Rhododendron - Hybrid Rhododendron	197.25	
32 93 33 00-0578	EA	15" To 18" Rhododendron - Pjm Rhododendron	57.30	
32 93 33 00-0579	EA	18" To 24" Rhododendron - Pjm Rhododendron	70.05	
32 93 33 00-0580	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	101.85	
32 93 33 00-0581	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	130.50	
32 93 33 00-0582	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	159.15	
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea	44.55	
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea	53.55	
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea	66.75	
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea	111.30	
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	50.27	
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	61.44	
32 93 33 00-0589	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	75.40	
32 93 33 00-0590	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	94.95	
32 93 33 00-0591	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	111.70	
32 93 33 00-0592	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	134.04	
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	14.40	
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	39.90	
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	33.51	
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	46.08	
32 93 33 00-0597	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	53.06	
32 93 33 00-0598	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	69.81	
32 93 33 00-0599	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	41.89	
32 93 33 00-0600	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	69.81	
32 93 33 00-0601	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	111.70	
32 93 33 00-0602	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	37.70	
32 93 33 00-0603	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	43.28	
32 93 33 00-0604	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	62.83	
32 93 33 00-0605	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	83.78	
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	23.04	
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	27.93	
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	34.91	
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	25.13	
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	32.11	
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder	46.08	
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.86	
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	24.38	
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.86	
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	24.38	
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	20.70	
32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	30.30	
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	11.25	
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	29.40	
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	32.43	
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	129.04	
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	405.36	
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	14.40	
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	28.65	
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	46.20	
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.86	
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	24.38	
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	66.75	
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	101.85	
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	39.90	
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	32.70	
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	46.20	
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	53.55	
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	92.25	
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	14.40	
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	28.35	
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	32.81	
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	35.60	
32 93 33 00-0639	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	36.30	
32 93 33 00-0640	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	41.89	
32 93 33 00-0641	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	47.47	
32 93 33 00-0642	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	55.15	
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	22.34	
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	33.51	
32 93 33 00-0645	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	30.72	
32 93 33 00-0646	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	36.30	
32 93 33 00-0647	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	41.89	
32 93 33 00-0648	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	47.47	
32 93 33 00-0649	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	61.44	
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	14.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	25.83	
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	33.51	
32 93 33 00-0653	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	29.32	
32 93 33 00-0654	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	35.60	
32 93 33 00-0655	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	41.89	
32 93 33 00-0656	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	47.47	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	39.10	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	53.06	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	61.44	
32 93 33 00-0662	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	72.61	
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	47.14	
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	33.51	
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	36.30	
32 93 33 00-0666	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	41.89	
32 93 33 00-0667	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	50.27	
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	34.91	
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	37.00	
32 93 33 00-0670	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	61.44	
32 93 33 00-0671	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	76.79	
32 93 33 00-0672	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	89.36	
32 93 33 00-0673	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	103.32	
32 93 33 00-0674	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	61.44	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	67.02	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	76.79	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	89.36	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	103.32	
32 93 33 00-0679	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	48.87	
32 93 33 00-0680	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	53.06	
32 93 33 00-0681	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	41.89	
32 93 33 00-0682	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.47	
32 93 33 00-0683	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	53.06	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	61.44	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	75.40	
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	34.91	
32 93 33 00-0687	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	40.49	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	53.06	
32 93 33 00-0689	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.01	
32 93 33 00-0690	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	248.53	
32 93 33 00-0691	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	273.67	
32 93 33 00-0692	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	329.52	
32 93 33 00-0693	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	58.64	
32 93 33 00-0694	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	76.79	
32 93 33 00-0695	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	89.36	
32 93 33 00-0696	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	97.74	
32 93 33 00-0697	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	58.64	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	76.79	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	90.76	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	107.51	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	161.97	
32 93 33 00-0702	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	89.36	
32 93 33 00-0703	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	120.08	
32 93 33 00-0704	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	181.51	
32 93 33 00-0705	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	265.29	
32 93 33 00-0706	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	304.38	
32 93 33 00-0707	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	353.25	
32 93 33 00-0708	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	39.10	
32 93 33 00-0709	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	54.45	
32 93 33 00-0710	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	76.79	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	66.75	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	101.85	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	133.65	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	8.10	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	22.20	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	39.90	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	149.55	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	70.05	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	82.65	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	116.25	
32 93 33 00-0721	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	76.79	
32 93 33 00-0722	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	92.15	
32 93 33 00-0723	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	69.81	
32 93 33 00-0724	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	83.78	
32 93 33 00-0725	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	97.74	
32 93 33 00-0726	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	111.70	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	9.86	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	24.38	
32 93 33 00-0729	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.10	
32 93 33 00-0730	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	41.89	
32 93 33 00-0731	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	48.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0732	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	55.85	
32 93 33 00-0733	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	61.44	
32 93 33 00-0734	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.70	
32 93 33 00-0735	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	41.89	
32 93 33 00-0736	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	53.06	
32 93 33 00-0737	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	61.44	
32 93 33 00-0738	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	83.78	
32 93 33 00-0739	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	100.53	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	41.89	
32 93 33 00-0741	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	55.85	
32 93 33 00-0742	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	69.81	
32 93 33 00-0743	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	97.74	
32 93 33 00-0744	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	139.63	
32 93 33 00-0745	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	195.48	
32 93 33 00-0746	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	251.33	
32 93 33 00-0747	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	50.27	
32 93 33 00-0748	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	55.85	
32 93 33 00-0749	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	100.53	
32 93 33 00-0750	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	153.59	
32 93 33 00-0751	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	195.48	
32 93 33 00-0752	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	237.36	
32 93 33 00-0753	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	293.21	
32 93 33 00-0754	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	349.07	
32 93 33 00-0755	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	418.88	
32 93 33 00-0756	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	488.69	
32 93 33 00-0757	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	42.59	
32 93 33 00-0758	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	46.77	
32 93 33 00-0759	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	53.06	
32 93 33 00-0760	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	61.44	
32 93 33 00-0761	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	70.51	
32 93 33 00-0762	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	40.49	
32 93 33 00-0763	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	48.87	
32 93 33 00-0764	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	58.64	
32 93 33 00-0765	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.02	
32 93 33 00-0766	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	80.98	
32 93 33 00-0767	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	89.36	
32 93 33 00-0768	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	69.81	
32 93 33 00-0769	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	83.78	
32 93 33 00-0770	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	97.74	
32 93 33 00-0771	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	111.70	
32 93 33 00-0772	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	125.66	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.36	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	100.53	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	114.49	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	131.25	
32 93 33 00-0777	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	82.65	
32 93 33 00-0778	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	101.85	
32 93 33 00-0779	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	149.55	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	46.08	
32 93 33 00-0781	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	41.89	
32 93 33 00-0782	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.47	
32 93 33 00-0783	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	53.06	
32 93 33 00-0784	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	61.44	
32 93 33 00-0785	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	69.81	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	9.60	
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	27.15	
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	119.40	
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	8.10	
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	21.45	
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle	11.25	
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle	21.90	
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle	34.65	
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells	38.55	
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells	31.80	
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells	40.20	
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells	50.10	
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells	60.15	
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells	82.65	
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper	81.89	
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper	112.40	
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper	176.63	
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper	205.53	
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper	269.76	
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	16.06	
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	22.48	
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	54.43	
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	16.06	
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	22.48	

32 93 43 Trees *(32 93)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	306.48	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	374.58	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	425.66	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	493.77	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	561.88	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	664.03	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	304.96	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,089.70	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,362.12	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	272.42	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	681.06	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	885.38	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	1,021.59	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,157.80	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,362.12	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	111.70	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	139.63	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	173.14	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	139.63	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	167.55	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	195.48	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	223.40	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	251.33	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	279.25	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	321.14	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	363.03	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	418.88	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	340.53	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	476.74	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	425.66	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	681.06	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	766.19	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	851.33	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	321.14	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	376.99	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	432.84	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	474.73	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	111.70	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	237.36	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	307.18	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	34.00	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	35.67	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	42.47	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	50.67	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	238.37	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	272.42	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	374.58	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	766.19	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	306.48	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	374.58	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	715.11	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	868.35	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	987.54	
32 93 43 00-0063	EA	6' Cercis occidentalis - Western Redbud	190.71	
32 93 43 00-0064	EA	8' Cercis occidentalis - Western Redbud	262.38	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	540.42	
32 93 43 00-0066	EA	3" Caliper Cercis occidentalis - Western Redbud	657.90	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	166.46	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	208.07	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	408.64	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	561.88	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	715.11	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	391.61	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	459.72	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	107.56	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	134.45	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	340.53	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	425.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	544.85	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	122.92	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	153.65	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	215.12	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	276.58	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	81.95	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	122.92	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	172.09	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	81.95	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	94.24	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	122.92	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	180.29	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	245.85	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	391.61	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	476.74	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	187.29	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	238.37	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	272.42	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	306.48	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	374.58	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	187.29	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	238.37	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	289.45	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	340.53	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	476.74	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	425.66	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	510.80	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	595.93	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	425.66	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	527.82	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	681.06	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	408.64	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	476.74	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	272.42	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	306.48	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	391.61	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	510.80	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	578.90	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	238.37	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	289.45	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	425.66	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	527.82	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	629.98	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	732.14	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	272.42	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	306.48	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	425.66	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	561.88	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	255.40	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	340.53	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	425.66	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	510.80	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	170.27	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	221.34	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	272.42	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	374.58	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	510.80	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.79	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	31.33	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	53.85	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	102.80	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	137.06	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	176.22	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	64.53	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	96.80	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	121.00	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	150.71	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	255.40	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	340.53	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	442.69	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	493.77	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	664.03	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	595.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.40	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	340.53	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	442.69	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	493.77	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	595.93	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	664.03	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.40	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	340.53	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	442.69	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	493.77	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	595.93	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	664.03	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.40	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	340.53	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	442.69	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	493.77	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	595.93	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	664.03	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.40	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	340.53	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	442.69	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	493.77	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	595.93	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	664.03	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	69.14	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	176.32	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	207.43	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	204.32	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	272.42	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	408.64	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	544.85	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	306.48	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	425.66	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	612.95	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	340.53	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	425.66	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	255.40	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	323.50	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	391.61	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	442.69	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	493.77	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	544.85	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	156.21	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	195.27	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	234.32	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	273.38	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	7.29	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	30.85	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	421.22	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	435.41	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	544.20	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,135.71	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	875.32	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,703.57	
32 93 43 00-0217	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	108.80	
32 93 43 00-0218	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	298.01	
32 93 43 00-0219	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	388.11	
32 93 43 00-0220	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	122.99	
32 93 43 00-0221	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	236.51	
32 93 43 00-0222	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	435.41	
32 93 43 00-0223	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	520.55	
32 93 43 00-0224	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	340.81	
32 93 43 00-0225	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	283.81	
32 93 43 00-0226	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	416.26	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	496.90	
32 93 43 00-0228	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	638.81	
32 93 43 00-0229	EA	4' To 6' Prunus - Pigeon Plum	172.22	
32 93 43 00-0230	EA	8' To 10' Prunus - Pigeon Plum	585.56	
32 93 43 00-0231	EA	10' To 12' Prunus - Pigeon Plum	744.01	
32 93 43 00-0232	EA	14' To 16' Prunus - Pigeon Plum	1,171.13	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	246.20	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	378.65	
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	463.56	
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	591.51	
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	328.86	
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	411.08	
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	427.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	509.74	
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	690.62	
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	904.38	
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,151.03	
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	328.86	
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	411.08	
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	279.54	
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	427.52	
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	509.29	
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	690.62	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	904.38	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	599.04	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	748.80	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	928.52	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	1,048.33	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,168.13	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,497.61	
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Current	6.37	
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Current	18.23	
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	6.37	
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	18.23	
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	6.37	
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	18.23	
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	455.27	
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	512.18	
32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	597.54	
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	873.96	
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,321.10	
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	340.53	
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	425.66	
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	527.82	
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	647.01	
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	783.22	
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	936.46	
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	442.69	
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	476.74	
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	578.90	
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	272.42	
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	323.50	
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	374.58	
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	425.66	
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	493.77	
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	629.98	
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	715.11	
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	817.27	
32 93 43 00-0285	EA	8' Cassia leptophlia - Gold Medallion Tree	413.23	
32 93 43 00-0286	EA	10' Cassia leptophlia - Gold Medallion Tree	524.49	
32 93 43 00-0287	EA	12' Cassia leptophlia - Gold Medallion Tree	635.74	
32 93 43 00-0288	EA	6' Magnolia grandiflora 'St. Mary's'	476.80	
32 93 43 00-0289	EA	8' Magnolia grandiflora 'St. Mary's'	842.36	
32 93 43 00-0290	EA	10' Magnolia grandiflora 'St. Mary's'	1,058.51	
32 93 43 00-0291	EA	12' Magnolia grandiflora 'St. Mary's'	1,271.48	
32 93 43 00-0292	EA	14' Magnolia grandiflora 'St. Mary's'	1,478.10	
32 93 43 00-0293	EA	16' Magnolia grandiflora 'St. Mary's'	1,748.28	
32 93 43 00-0294	EA	24" Box Magnolia grandiflora 'St. Mary's'	524.49	
32 93 43 00-0295	EA	6' Prunus cerasifera - Purple Leaf Plum	247.94	
32 93 43 00-0296	EA	8' Prunus cerasifera - Purple Leaf Plum	286.08	
32 93 43 00-0297	EA	10' Prunus cerasifera - Purple Leaf Plum	368.73	
32 93 43 00-0298	EA	24" Box Prunus cerasifera - Purple Leaf Plum	392.57	
32 93 43 00-0299	EA	30" Box Prunus cerasifera - Purple Leaf Plum	794.68	
32 93 43 00-0300	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,219.03	
32 93 43 00-0301	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	518.13	
32 93 43 00-0302	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	740.64	
32 93 43 00-0303	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	886.86	
32 93 43 00-0304	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,144.33	
32 93 43 00-0305	EA	6' Stenocarpus sinuatus - Firewheel Tree	762.89	
32 93 43 00-0306	EA	8' Stenocarpus sinuatus - Firewheel Tree	1,017.18	
32 93 43 00-0307	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,271.48	
32 93 43 00-0308	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,525.78	
32 93 43 00-0309	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	754.00	
32 93 43 00-0310	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	2,182.62	
32 93 43 00-0311	EA	1-1/2" Caliper Arbutus menziesii - Madrona	552.82	
32 93 43 00-0312	EA	2" Caliper Arbutus menziesii - Madrona	718.66	
32 93 43 00-0313	EA	2-1/2" Caliper Arbutus menziesii - Madrona	829.23	
32 93 43 00-0314	EA	3" Caliper Arbutus menziesii - Madrona	939.79	
32 93 43 00-0315	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,105.63	
32 93 43 00-0316	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	381.44	
32 93 43 00-0317	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	619.85	
32 93 43 00-0318	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	762.89	
32 93 43 00-0319	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	842.36	
32 93 43 00-0320	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	371.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0321	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	858.25	
32 93 43 00-0322	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,343.00	
32 93 43 00-0323	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	346.48	
32 93 43 00-0324	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	562.63	
32 93 43 00-0325	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	689.78	
32 93 43 00-0326	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	778.78	
32 93 43 00-0327	EA	6' Magnolia grandiflora - Southern Magnolia	235.22	
32 93 43 00-0328	EA	7' Magnolia grandiflora - Southern Magnolia	356.01	
32 93 43 00-0329	EA	8' Magnolia grandiflora - Southern Magnolia	499.06	
32 93 43 00-0330	EA	9' Magnolia grandiflora - Southern Magnolia	664.35	
32 93 43 00-0331	EA	10' Magnolia grandiflora - Southern Magnolia	1,010.83	
32 93 43 00-0332	EA	24" Box Magnolia grandiflora - Southern Magnolia	413.23	
32 93 43 00-0333	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	492.70	
32 93 43 00-0334	EA	2" Caliper Tipuana tipu - Tipu Tree	642.10	
32 93 43 00-0335	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	813.75	
32 93 43 00-0336	EA	3" Caliper Tipuana tipu - Tipu Tree	937.72	
32 93 43 00-0337	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,379.56	
32 93 43 00-0338	EA	4" Caliper Tipuana tipu - Tipu Tree	1,843.65	
32 93 43 00-0339	EA	24" Box Tipuana tipu - Tipu Tree	371.91	
32 93 43 00-0340	EA	6' Albizia julibrissin - Silk Tree	762.89	
32 93 43 00-0341	EA	8' Albizia julibrissin - Silk Tree	1,017.18	
32 93 43 00-0342	EA	10' Albizia julibrissin - Silk Tree	1,271.48	
32 93 43 00-0343	EA	12' Albizia julibrissin - Silk Tree	1,525.78	
32 93 43 00-0344	EA	6' Brachychiton acerifolius - Flame Tree	762.89	
32 93 43 00-0345	EA	8' Brachychiton acerifolius - Flame Tree	1,017.18	
32 93 43 00-0346	EA	10' Brachychiton acerifolius - Flame Tree	1,271.48	
32 93 43 00-0347	EA	12' Brachychiton acerifolius - Flame Tree	1,525.78	
32 93 43 00-0348	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	616.67	
32 93 43 00-0349	EA	2" Caliper Chilopsis linearis - Desert Willow	740.64	
32 93 43 00-0350	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	788.32	
32 93 43 00-0351	EA	3" Caliper Chilopsis linearis - Desert Willow	874.14	
32 93 43 00-0352	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.79	
32 93 43 00-0353	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	127.15	
32 93 43 00-0354	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	635.74	
32 93 43 00-0355	EA	5 Gallon Calodendrum capense - Cape Chestnut	47.68	
32 93 43 00-0356	EA	15 Gallon Calodendrum capense - Cape Chestnut	190.72	
32 93 43 00-0357	EA	24" Box Calodendrum capense - Cape Chestnut	715.21	
32 93 43 00-0358	EA	6' Chionanthus virginicus - White Fringe Tree	381.44	
32 93 43 00-0359	EA	8' Chionanthus virginicus - White Fringe Tree	548.25	
32 93 43 00-0360	EA	10' Chionanthus virginicus - White Fringe Tree	763.64	
32 93 43 00-0361	EA	15 Gallon Geijera parvifolia - Australian Willow	234.97	
32 93 43 00-0362	EA	24" Box Geijera parvifolia - Australian Willow	483.64	
32 93 43 00-0363	EA	30" Box Geijera parvifolia - Australian Willow	900.70	
32 93 43 00-0364	EA	36" Box Geijera parvifolia - Australian Willow	1,292.31	
32 93 43 00-0365	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	697.07	
32 93 43 00-0366	EA	2" Caliper Ginko Biloba - Maidenhair Tree	971.19	
32 93 43 00-0367	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,170.91	
32 93 43 00-0368	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,366.72	
32 93 43 00-0369	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,789.66	
32 93 43 00-0370	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,911.06	
32 93 43 00-0371	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,036.37	
32 93 43 00-0372	EA	24" Box Ginko Biloba - Maidenhair Tree	636.37	
32 93 43 00-0373	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	234.97	
32 93 43 00-0374	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	861.54	
32 93 43 00-0375	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	250.63	
32 93 43 00-0376	EA	6' Lagerstroemia indica - Crape Myrtle	466.02	
32 93 43 00-0377	EA	8' Lagerstroemia indica - Crape Myrtle	481.68	
32 93 43 00-0378	EA	10' Lagerstroemia indica - Crape Myrtle	583.50	
32 93 43 00-0379	EA	24" Box Lagerstroemia indica - Crape Myrtle	458.18	
32 93 43 00-0380	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	46.64	
32 93 43 00-0381	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	122.97	
32 93 43 00-0382	EA	24" Box Celtis Sinensis - Chinese Hackberry	402.82	
32 93 43 00-0383	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,176.66	
32 93 43 00-0384	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	46.64	
32 93 43 00-0385	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	122.97	
32 93 43 00-0386	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	402.82	
32 93 43 00-0387	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,176.66	
32 93 43 00-0388	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.78	
32 93 43 00-0389	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	38.16	
32 93 43 00-0390	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	167.49	
32 93 43 00-0391	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	402.82	
32 93 43 00-0392	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,060.05	
32 93 43 00-0393	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	103.88	
32 93 43 00-0394	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	339.22	
32 93 43 00-0395	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	901.04	
32 93 43 00-0396	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	2,014.10	
32 93 43 00-0397	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	29.68	
32 93 43 00-0398	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	103.88	
32 93 43 00-0399	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	339.22	
32 93 43 00-0400	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	901.04	
32 93 43 00-0401	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	2,014.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0402	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	29.68	
32 93 43 00-0403	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	125.09	
32 93 43 00-0404	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	339.22	
32 93 43 00-0405	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	954.04	
32 93 43 00-0406	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,438.12	
32 93 43 00-0407	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	29.68	
32 93 43 00-0408	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	125.09	
32 93 43 00-0409	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	339.22	
32 93 43 00-0410	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	954.04	
32 93 43 00-0411	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,438.12	
32 93 43 00-0412	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	29.68	
32 93 43 00-0413	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	125.09	
32 93 43 00-0414	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	339.22	
32 93 43 00-0415	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	954.04	
32 93 43 00-0416	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,438.12	
32 93 43 00-0417	EA	1 Gallon Pittosporum undulatum - Victorian Box	25.79	
32 93 43 00-0418	EA	5 Gallon Pittosporum undulatum - Victorian Box	55.56	
32 93 43 00-0419	EA	15 Gallon Pittosporum undulatum - Victorian Box	313.50	
32 93 43 00-0420	EA	24" Box Pittosporum undulatum - Victorian Box	754.00	
32 93 43 00-0421	EA	36" Box Pittosporum undulatum - Victorian Box	2,182.62	
32 93 43 00-0422	EA	48" Box Pittosporum undulatum - Victorian Box	4,960.50	
32 93 43 00-0423	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	105.90	
32 93 43 00-0424	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	381.51	
32 93 43 00-0425		**Deciduous Shade Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0426	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	260.92	
32 93 43 00-0427	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	319.84	
32 93 43 00-0428	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	416.63	
32 93 43 00-0429	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	540.08	
32 93 43 00-0430	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	27.52	
32 93 43 00-0431	EA	4' To 5' Acer palmatum - Japanese Maple	57.79	
32 93 43 00-0432	EA	5' To 6' Acer palmatum - Japanese Maple	75.68	
32 93 43 00-0433	EA	6' To 7' Acer palmatum - Japanese Maple	137.60	
32 93 43 00-0434	EA	7' To 8' Acer palmatum - Japanese Maple	192.64	
32 93 43 00-0435	EA	8' To 10' Acer palmatum - Japanese Maple	247.68	
32 93 43 00-0436	EA	10' To 12' Acer palmatum - Japanese Maple	330.24	
32 93 43 00-0437	EA	2" Caliper Acer platanoides & cvs - Norway Maple	140.28	
32 93 43 00-0438	EA	2" Caliper Acer platanoides & cvs - Norway Maple	170.78	
32 93 43 00-0439	EA	3" Caliper Acer platanoides & cvs - Norway Maple	219.57	
32 93 43 00-0440	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	256.16	
32 93 43 00-0441	EA	4" Caliper Acer platanoides & cvs - Norway Maple	274.46	
32 93 43 00-0442	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	298.86	
32 93 43 00-0443	EA	5" Caliper Acer platanoides & cvs - Norway Maple	335.45	
32 93 43 00-0444	EA	2" Caliper Acer rubrum & cvs - Red Maple	134.18	
32 93 43 00-0445	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	170.78	
32 93 43 00-0446	EA	3" Caliper Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0447	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	268.36	
32 93 43 00-0448	EA	4" Caliper Acer rubrum & cvs - Red Maple	304.96	
32 93 43 00-0449	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	353.75	
32 93 43 00-0450	EA	5" Caliper Acer rubrum & cvs - Red Maple	396.44	
32 93 43 00-0451	EA	8' Clump Form Acer rubrum & cvs - Red Maple	164.68	
32 93 43 00-0452	EA	10' Clump Form Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0453	EA	12' Clump Form Acer rubrum & cvs - Red Maple	256.16	
32 93 43 00-0454	EA	14' Clump Form Acer rubrum & cvs - Red Maple	292.76	
32 93 43 00-0455	EA	16' Clump Form Acer rubrum & cvs - Red Maple	329.35	
32 93 43 00-0456	EA	18' Clump Form Acer rubrum & cvs - Red Maple	365.95	
32 93 43 00-0457	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	109.78	
32 93 43 00-0458	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	146.38	
32 93 43 00-0459	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	182.97	
32 93 43 00-0460	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	219.57	
32 93 43 00-0461	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	256.16	
32 93 43 00-0462	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	292.76	
32 93 43 00-0463	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	329.35	
32 93 43 00-0464	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	134.18	
32 93 43 00-0465	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	176.87	
32 93 43 00-0466	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	213.47	
32 93 43 00-0467	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0468	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0469	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	329.35	
32 93 43 00-0470	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	365.95	
32 93 43 00-0471	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0472	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0473	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	335.45	
32 93 43 00-0474	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	372.05	
32 93 43 00-0475	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	451.34	
32 93 43 00-0476	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	487.93	
32 93 43 00-0477	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	152.48	
32 93 43 00-0478	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	189.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0479	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	231.77	
32 93 43 00-0480	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	268.36	
32 93 43 00-0481	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	292.76	
32 93 43 00-0482	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	323.25	
32 93 43 00-0483	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	359.85	
32 93 43 00-0484	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	219.57	
32 93 43 00-0485	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	290.32	
32 93 43 00-0486	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	337.89	
32 93 43 00-0487	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	372.05	
32 93 43 00-0488	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	451.34	
32 93 43 00-0489	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	487.93	
32 93 43 00-0490	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	213.47	
32 93 43 00-0491	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	237.87	
32 93 43 00-0492	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	268.36	
32 93 43 00-0493	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	304.96	
32 93 43 00-0494	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	365.95	
32 93 43 00-0495	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	213.47	
32 93 43 00-0496	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	237.87	
32 93 43 00-0497	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	268.36	
32 93 43 00-0498	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	304.96	
32 93 43 00-0499	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	365.95	
32 93 43 00-0500	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	152.48	
32 93 43 00-0501	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	176.87	
32 93 43 00-0502	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	201.27	
32 93 43 00-0503	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	231.77	
32 93 43 00-0504	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	158.58	
32 93 43 00-0505	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	195.17	
32 93 43 00-0506	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	219.57	
32 93 43 00-0507	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	243.97	
32 93 43 00-0508	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	274.46	
32 93 43 00-0509	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	304.96	
32 93 43 00-0510	EA	2" Caliper Betula nigra - River Birch	152.48	
32 93 43 00-0511	EA	2-1/2" Caliper Betula nigra - River Birch	172.67	
32 93 43 00-0512	EA	3" Caliper Betula nigra - River Birch	195.17	
32 93 43 00-0513	EA	3-1/2" Caliper Betula nigra - River Birch	243.97	
32 93 43 00-0514	EA	4" Caliper Betula nigra - River Birch	274.46	
32 93 43 00-0515	EA	4-1/2" Caliper Betula nigra - River Birch	304.96	
32 93 43 00-0516	EA	5" Caliper Betula nigra - River Birch	335.45	
32 93 43 00-0517	EA	8' Clump Form Betula nigra - River Birch	140.28	
32 93 43 00-0518	EA	10' Clump Form Betula nigra - River Birch	158.58	
32 93 43 00-0519	EA	12' Clump Form Betula nigra - River Birch	182.97	
32 93 43 00-0520	EA	14' Clump Form Betula nigra - River Birch	213.47	
32 93 43 00-0521	EA	16' Clump Form Betula nigra - River Birch	243.97	
32 93 43 00-0522	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	182.97	
32 93 43 00-0523	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	219.57	
32 93 43 00-0524	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	256.16	
32 93 43 00-0525	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	304.96	
32 93 43 00-0526	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	317.15	
32 93 43 00-0527	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	77.15	
32 93 43 00-0528	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	91.18	
32 93 43 00-0529	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	126.25	
32 93 43 00-0530	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	164.13	
32 93 43 00-0531	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	182.36	
32 93 43 00-0532	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	216.03	
32 93 43 00-0533	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	243.97	
32 93 43 00-0534	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	274.46	
32 93 43 00-0535	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	317.15	
32 93 43 00-0536	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	384.25	
32 93 43 00-0537	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	109.78	
32 93 43 00-0538	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	152.48	
32 93 43 00-0539	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	189.07	
32 93 43 00-0540	EA	2" Caliper Catalpa speciosa - Western Catalpa	134.18	
32 93 43 00-0541	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	182.97	
32 93 43 00-0542	EA	3" Caliper Catalpa speciosa - Western Catalpa	237.87	
32 93 43 00-0543	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	286.66	
32 93 43 00-0544	EA	4" Caliper Catalpa speciosa - Western Catalpa	329.35	
32 93 43 00-0545	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	170.78	
32 93 43 00-0546	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	195.17	
32 93 43 00-0547	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	237.87	
32 93 43 00-0548	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	280.56	
32 93 43 00-0549	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	323.25	
32 93 43 00-0550	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	365.95	
32 93 43 00-0551	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	213.47	
32 93 43 00-0552	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0553	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	286.66	
32 93 43 00-0554	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	341.55	
32 93 43 00-0555	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	170.78	
32 93 43 00-0556	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	201.27	
32 93 43 00-0557	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0558	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	304.96	
32 93 43 00-0559	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	365.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0560	EA	2" Caliper Cladrastus lutea - American Yellowwood	304.96	
32 93 43 00-0561	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	365.95	
32 93 43 00-0562	EA	3" Caliper Cladrastus lutea - American Yellowwood	426.94	
32 93 43 00-0563	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	487.93	
32 93 43 00-0564	EA	2" Caliper Corylus colurna californica - Western Turkish Filbert	189.07	
32 93 43 00-0565	EA	2-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	213.47	
32 93 43 00-0566	EA	3" Caliper Corylus colurna californica - Western Turkish Filbert	243.97	
32 93 43 00-0567	EA	3-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	280.56	
32 93 43 00-0568	EA	4" Caliper Corylus colurna californica - Western Turkish Filbert	335.45	
32 93 43 00-0569	EA	4-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	390.34	
32 93 43 00-0570	EA	5" Caliper Corylus colurna californica - Western Turkish Filbert	445.24	
32 93 43 00-0571	EA	8' Clump Form Corylus cornuta californica - Western Filbert	170.78	
32 93 43 00-0572	EA	10' Clump Form Corylus cornuta californica - Western Filbert	207.37	
32 93 43 00-0573	EA	12' Clump Form Corylus cornuta californica - Western Filbert	243.97	
32 93 43 00-0574	EA	14' Clump Form Corylus colurna californica - Western Turkish Filbert	274.46	
32 93 43 00-0575	EA	16' Clump Form Corylus colurna californica - Western Turkish Filbert	304.96	
32 93 43 00-0576	EA	1-1/2" Caliper Diospyros - Persimmon	109.78	
32 93 43 00-0577	EA	2" Caliper Diospyros - Persimmon	134.18	
32 93 43 00-0578	EA	2-1/2" Caliper Diospyros - Persimmon	170.78	
32 93 43 00-0579	EA	3" Caliper Diospyros - Persimmon	213.47	
32 93 43 00-0580	EA	3-1/2" Caliper Diospyros - Persimmon	256.16	
32 93 43 00-0581	EA	1-1/2" Caliper Fagus grandifolia - American Beech	243.97	
32 93 43 00-0582	EA	2" Caliper Fagus grandifolia - American Beech	317.15	
32 93 43 00-0583	EA	2-1/2" Caliper Fagus grandifolia - American Beech	402.54	
32 93 43 00-0584	EA	3" Caliper Fagus grandifolia - American Beech	487.93	
32 93 43 00-0585	EA	3-1/2" Caliper Fagus grandifolia - American Beech	579.42	
32 93 43 00-0586	EA	2" Caliper Fagus sylvatica & cvs - European Beech	274.46	
32 93 43 00-0587	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	329.35	
32 93 43 00-0588	EA	3" Caliper Fagus sylvatica & cvs - European Beech	396.44	
32 93 43 00-0589	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	439.14	
32 93 43 00-0590	EA	4" Caliper Fagus sylvatica & cvs - European Beech	518.43	
32 93 43 00-0591	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	670.90	
32 93 43 00-0592	EA	5" Caliper Fagus sylvatica & cvs - European Beech	792.89	
32 93 43 00-0593	EA	2" Caliper Fraxinus americana & cvs - White Ash	152.48	
32 93 43 00-0594	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	182.97	
32 93 43 00-0595	EA	3" Caliper Fraxinus americana & cvs - White Ash	231.77	
32 93 43 00-0596	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	280.56	
32 93 43 00-0597	EA	4" Caliper Fraxinus americana & cvs - White Ash	329.35	
32 93 43 00-0598	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	365.95	
32 93 43 00-0599	EA	5" Caliper Fraxinus americana & cvs - White Ash	426.94	
32 93 43 00-0600	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	134.18	
32 93 43 00-0601	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	158.58	
32 93 43 00-0602	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	213.47	
32 93 43 00-0603	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	256.16	
32 93 43 00-0604	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	304.96	
32 93 43 00-0605	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	329.35	
32 93 43 00-0606	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	365.95	
32 93 43 00-0607	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	182.97	
32 93 43 00-0608	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	225.67	
32 93 43 00-0609	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	274.46	
32 93 43 00-0610	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	335.45	
32 93 43 00-0611	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	396.44	
32 93 43 00-0612	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	213.47	
32 93 43 00-0613	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	237.87	
32 93 43 00-0614	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	268.36	
32 93 43 00-0615	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	298.86	
32 93 43 00-0616	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	335.45	
32 93 43 00-0617	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	365.95	
32 93 43 00-0618	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	548.92	
32 93 43 00-0619	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	609.91	
32 93 43 00-0620	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	146.38	
32 93 43 00-0621	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	182.97	
32 93 43 00-0622	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	219.57	
32 93 43 00-0623	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	256.16	
32 93 43 00-0624	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	292.76	
32 93 43 00-0625	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	329.35	
32 93 43 00-0626	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	390.34	
32 93 43 00-0627	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	189.07	
32 93 43 00-0628	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	231.77	
32 93 43 00-0629	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	274.46	
32 93 43 00-0630	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	323.25	
32 93 43 00-0631	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	365.95	
32 93 43 00-0632	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	408.64	
32 93 43 00-0633	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	457.43	
32 93 43 00-0634	EA	1-1/2" Caliper Juglans cinerea - Butternut	146.38	
32 93 43 00-0635	EA	2" Caliper Juglans cinerea - Butternut	170.78	
32 93 43 00-0636	EA	2-1/2" Caliper Juglans cinerea - Butternut	213.47	
32 93 43 00-0637	EA	3" Caliper Juglans cinerea - Butternut	268.36	
32 93 43 00-0638	EA	3-1/2" Caliper Juglans cinerea - Butternut	329.35	
32 93 43 00-0639	EA	1-1/2" Caliper Juglans californica - California Walnut	146.38	
32 93 43 00-0640	EA	2" Caliper Juglans californica - California Walnut	170.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0641	EA	2-1/2" Caliper Juglans californica - California Walnut	213.47	
32 93 43 00-0642	EA	3" Caliper Juglans californica - California Walnut	268.36	
32 93 43 00-0643	EA	3-1/2" Caliper Juglans californica - California Walnut	329.35	
32 93 43 00-0644	EA	4" Caliper Juglans californica - California Walnut	396.44	
32 93 43 00-0645	EA	4-1/2" Caliper Juglans californica - California Walnut	457.43	
32 93 43 00-0646	EA	5" Caliper Juglans californica - California Walnut	518.43	
32 93 43 00-0647	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	16.51	
32 93 43 00-0648	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	41.28	
32 93 43 00-0649	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	82.56	
32 93 43 00-0650	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	107.33	
32 93 43 00-0651	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	78.43	
32 93 43 00-0652	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	94.95	
32 93 43 00-0653	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	132.10	
32 93 43 00-0654	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	195.17	
32 93 43 00-0655	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	243.97	
32 93 43 00-0656	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	304.96	
32 93 43 00-0657	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	365.95	
32 93 43 00-0658	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	426.94	
32 93 43 00-0659	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	195.17	
32 93 43 00-0660	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	268.36	
32 93 43 00-0661	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0662	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	365.95	
32 93 43 00-0663	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	414.74	
32 93 43 00-0664	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	146.38	
32 93 43 00-0665	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	262.26	
32 93 43 00-0666	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0667	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	195.17	
32 93 43 00-0668	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	243.97	
32 93 43 00-0669	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	304.96	
32 93 43 00-0670	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	365.95	
32 93 43 00-0671	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	426.94	
32 93 43 00-0672	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	85.39	
32 93 43 00-0673	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	97.59	
32 93 43 00-0674	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	115.88	
32 93 43 00-0675	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	146.38	
32 93 43 00-0676	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	182.97	
32 93 43 00-0677	EA	2" Caliper Ostrya virginiana - American Hophornbeam	158.58	
32 93 43 00-0678	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	201.27	
32 93 43 00-0679	EA	3" Caliper Ostrya virginiana - American Hophornbeam	243.97	
32 93 43 00-0680	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	286.66	
32 93 43 00-0681	EA	4" Caliper Ostrya virginiana - American Hophornbeam	347.65	
32 93 43 00-0682	EA	2" Caliper Phellodendron amurense - Amur Corktree	121.98	
32 93 43 00-0683	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	152.48	
32 93 43 00-0684	EA	3" Caliper Phellodendron amurense - Amur Corktree	182.97	
32 93 43 00-0685	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	213.47	
32 93 43 00-0686	EA	4" Caliper Phellodendron amurense - Amur Corktree	243.97	
32 93 43 00-0687	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	274.46	
32 93 43 00-0688	EA	5" Caliper Phellodendron amurense - Amur Corktree	304.96	
32 93 43 00-0689	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	264.98	
32 93 43 00-0690	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	385.42	
32 93 43 00-0691	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	573.34	
32 93 43 00-0692	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	88.66	
32 93 43 00-0693	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	106.00	
32 93 43 00-0694	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	144.53	
32 93 43 00-0695	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	175.40	
32 93 43 00-0696	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	72.95	
32 93 43 00-0697	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	91.18	
32 93 43 00-0698	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	161.32	
32 93 43 00-0699	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	231.46	
32 93 43 00-0700	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	146.38	
32 93 43 00-0701	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	176.87	
32 93 43 00-0702	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	213.47	
32 93 43 00-0703	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	256.16	
32 93 43 00-0704	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	304.96	
32 93 43 00-0705	EA	2" Caliper Populus alba & cvs - White Poplar	146.38	
32 93 43 00-0706	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	170.78	
32 93 43 00-0707	EA	3" Caliper Populus alba & cvs - White Poplar	195.17	
32 93 43 00-0708	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	231.77	
32 93 43 00-0709	EA	4" Caliper Populus alba & cvs - White Poplar	256.16	
32 93 43 00-0710	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	292.76	
32 93 43 00-0711	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	134.18	
32 93 43 00-0712	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	176.87	
32 93 43 00-0713	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	213.47	
32 93 43 00-0714	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	256.16	
32 93 43 00-0715	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	304.96	
32 93 43 00-0716	EA	6' To 8' Quercus acutissima - Sawtooth Oak	45.87	
32 93 43 00-0717	EA	8' To 10' Quercus acutissima - Sawtooth Oak	68.80	
32 93 43 00-0718	EA	10' To 12' Quercus acutissima - Sawtooth Oak	80.27	
32 93 43 00-0719	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	91.73	
32 93 43 00-0720	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	103.20	
32 93 43 00-0721	EA	2" Caliper Quercus alba - White Oak	182.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0722	EA	2-1/2" Caliper Quercus alba - White Oak	213.47	
32 93 43 00-0723	EA	3" Caliper Quercus alba - White Oak	268.36	
32 93 43 00-0724	EA	3-1/2" Caliper Quercus alba - White Oak	335.45	
32 93 43 00-0725	EA	4" Caliper Quercus alba - White Oak	396.44	
32 93 43 00-0726	EA	4-1/2" Caliper Quercus alba - White Oak	487.93	
32 93 43 00-0727	EA	5" Caliper Quercus alba - White Oak	579.42	
32 93 43 00-0728	EA	2" Caliper Quercus bicolor - Swamp White Oak	213.47	
32 93 43 00-0729	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	243.97	
32 93 43 00-0730	EA	3" Caliper Quercus bicolor - Swamp White Oak	280.56	
32 93 43 00-0731	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	311.06	
32 93 43 00-0732	EA	4" Caliper Quercus bicolor - Swamp White Oak	353.75	
32 93 43 00-0733	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	390.34	
32 93 43 00-0734	EA	5" Caliper Quercus bicolor - Swamp White Oak	439.14	
32 93 43 00-0735	EA	10' Clump Form Quercus bicolor - Swamp White Oak	304.96	
32 93 43 00-0736	EA	12' Clump Form Quercus bicolor - Swamp White Oak	365.95	
32 93 43 00-0737	EA	14' Clump Form Quercus bicolor - Swamp White Oak	426.94	
32 93 43 00-0738	EA	16' Clump Form Quercus bicolor - Swamp White Oak	487.93	
32 93 43 00-0739	EA	2" Caliper Quercus coccinea - Scarlet Oak	158.58	
32 93 43 00-0740	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	201.27	
32 93 43 00-0741	EA	3" Caliper Quercus coccinea - Scarlet Oak	250.06	
32 93 43 00-0742	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	304.96	
32 93 43 00-0743	EA	4" Caliper Quercus coccinea - Scarlet Oak	365.95	
32 93 43 00-0744	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	433.04	
32 93 43 00-0745	EA	5" Caliper Quercus coccinea - Scarlet Oak	506.23	
32 93 43 00-0746	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	158.58	
32 93 43 00-0747	EA	2" Caliper Quercus imbricaria - Shingle Oak	213.47	
32 93 43 00-0748	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	286.66	
32 93 43 00-0749	EA	3" Caliper Quercus imbricaria - Shingle Oak	426.94	
32 93 43 00-0750	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	579.42	
32 93 43 00-0751	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	158.58	
32 93 43 00-0752	EA	2" Caliper Quercus macrocarpa - Bur Oak	189.07	
32 93 43 00-0753	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	225.67	
32 93 43 00-0754	EA	3" Caliper Quercus macrocarpa - Bur Oak	274.46	
32 93 43 00-0755	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	335.45	
32 93 43 00-0756	EA	4" Caliper Quercus macrocarpa - Bur Oak	396.44	
32 93 43 00-0757	EA	9' Clump Form Quercus macrocarpa - Bur Oak	365.95	
32 93 43 00-0758	EA	10' Clump Form Quercus macrocarpa - Bur Oak	426.94	
32 93 43 00-0759	EA	12' Clump Form Quercus macrocarpa - Bur Oak	487.93	
32 93 43 00-0760	EA	2" Caliper Quercus palustris - Pin Oak	134.18	
32 93 43 00-0761	EA	2-1/2" Caliper Quercus palustris - Pin Oak	182.97	
32 93 43 00-0762	EA	3" Caliper Quercus palustris - Pin Oak	237.87	
32 93 43 00-0763	EA	3-1/2" Caliper Quercus palustris - Pin Oak	274.46	
32 93 43 00-0764	EA	4" Caliper Quercus palustris - Pin Oak	317.15	
32 93 43 00-0765	EA	4-1/2" Caliper Quercus palustris - Pin Oak	359.85	
32 93 43 00-0766	EA	5" Caliper Quercus palustris - Pin Oak	396.44	
32 93 43 00-0767	EA	2" Caliper Quercus robur & cvs - English Oak	158.58	
32 93 43 00-0768	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	195.17	
32 93 43 00-0769	EA	3" Caliper Quercus robur & cvs - English Oak	231.77	
32 93 43 00-0770	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	274.46	
32 93 43 00-0771	EA	4" Caliper Quercus robur & cvs - English Oak	317.15	
32 93 43 00-0772	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	365.95	
32 93 43 00-0773	EA	5" Caliper Quercus robur & cvs - English Oak	414.74	
32 93 43 00-0774	EA	2" Caliper Quercus rubra - Red Oak	182.97	
32 93 43 00-0775	EA	2-1/2" Caliper Quercus rubra - Red Oak	213.47	
32 93 43 00-0776	EA	3" Caliper Quercus rubra - Red Oak	256.16	
32 93 43 00-0777	EA	3-1/2" Caliper Quercus rubra - Red Oak	304.96	
32 93 43 00-0778	EA	4" Caliper Quercus rubra - Red Oak	365.95	
32 93 43 00-0779	EA	4-1/2" Caliper Quercus rubra - Red Oak	426.94	
32 93 43 00-0780	EA	5" Caliper Quercus rubra - Red Oak	487.93	
32 93 43 00-0781	EA	16' Clump Form Quercus rubra - Red Oak	396.44	
32 93 43 00-0782	EA	18' Clump Form Quercus rubra - Red Oak	475.73	
32 93 43 00-0783	EA	20' Clump Form Quercus rubra - Red Oak	530.62	
32 93 43 00-0784	EA	2" Caliper Quercus shumardii - Shumard Oak	207.37	
32 93 43 00-0785	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	262.26	
32 93 43 00-0786	EA	3" Caliper Quercus shumardii - Shumard Oak	304.96	
32 93 43 00-0787	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	365.95	
32 93 43 00-0788	EA	4" Caliper Quercus shumardii - Shumard Oak	426.94	
32 93 43 00-0789	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	487.93	
32 93 43 00-0790	EA	5" Caliper Quercus shumardii - Shumard Oak	548.92	
32 93 43 00-0791	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	363.27	
32 93 43 00-0792	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	489.58	
32 93 43 00-0793	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	662.12	
32 93 43 00-0794	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	883.76	
32 93 43 00-0795	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,066.13	
32 93 43 00-0796	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,178.35	
32 93 43 00-0797	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,585.16	
32 93 43 00-0798	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,991.98	
32 93 43 00-0799	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,398.79	
32 93 43 00-0800	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,910.81	
32 93 43 00-0801	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,422.83	
32 93 43 00-0802	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	182.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0803	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	219.57	
32 93 43 00-0804	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	274.46	
32 93 43 00-0805	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	335.45	
32 93 43 00-0806	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	390.34	
32 93 43 00-0807	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	439.14	
32 93 43 00-0808	EA	2" Caliper Salix alba & cvs - White Willow	97.59	
32 93 43 00-0809	EA	2-1/2" Caliper Salix alba & cvs - White Willow	115.88	
32 93 43 00-0810	EA	3" Caliper Salix alba & cvs - White Willow	152.48	
32 93 43 00-0811	EA	3-1/2" Caliper Salix alba & cvs - White Willow	182.97	
32 93 43 00-0812	EA	4" Caliper Salix alba & cvs - White Willow	219.57	
32 93 43 00-0813	EA	4-1/2" Caliper Salix alba & cvs - White Willow	256.16	
32 93 43 00-0814	EA	5" Caliper Salix alba & cvs - White Willow	292.76	
32 93 43 00-0815	EA	24" Box Salix babylonica - Weeping Willow	154.16	
32 93 43 00-0816	EA	36" Box Salix babylonica - Weeping Willow	385.42	
32 93 43 00-0817	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	88.66	
32 93 43 00-0818	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	106.00	
32 93 43 00-0819	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	115.63	
32 93 43 00-0820	EA	5' Clump Form Sassafras albidum - Common Sassafras	115.88	
32 93 43 00-0821	EA	6' Clump Form Sassafras albidum - Common Sassafras	140.28	
32 93 43 00-0822	EA	7' Clump Form Sassafras albidum - Common Sassafras	176.87	
32 93 43 00-0823	EA	8' Clump Form Sassafras albidum - Common Sassafras	201.27	
32 93 43 00-0824	EA	10' Clump Form Sassafras albidum - Common Sassafras	225.67	
32 93 43 00-0825	EA	12' Clump Form Sassafras albidum - Common Sassafras	274.46	
32 93 43 00-0826	EA	14' Clump Form Sassafras albidum - Common Sassafras	335.45	
32 93 43 00-0827	EA	16' Clump Form Sassafras albidum - Common Sassafras	396.44	
32 93 43 00-0828	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	202.00	
32 93 43 00-0829	EA	2" Caliper Sophora japonica - Chinese Scholar	224.45	
32 93 43 00-0830	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	301.60	
32 93 43 00-0831	EA	3" Caliper Sophora japonica - Chinese Scholar	392.78	
32 93 43 00-0832	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	455.91	
32 93 43 00-0833	EA	10' To 12' Swietenia Mahagoni - Mahogany	108.02	
32 93 43 00-0834	EA	12' To 14' Swietenia Mahagoni - Mahogany	126.25	
32 93 43 00-0835	EA	14' To 16' Swietenia Mahagoni - Mahogany	168.34	
32 93 43 00-0836	EA	16' To 18' Swietenia Mahagoni - Mahogany	189.38	
32 93 43 00-0837	EA	2" Caliper Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0838	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	176.87	
32 93 43 00-0839	EA	3" Caliper Taxodium distichum - Common Bald Cypress	213.47	
32 93 43 00-0840	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	243.97	
32 93 43 00-0841	EA	4" Caliper Taxodium distichum - Common Bald Cypress	268.36	
32 93 43 00-0842	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	134.18	
32 93 43 00-0843	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0844	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	219.57	
32 93 43 00-0845	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	243.97	
32 93 43 00-0846	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	274.46	
32 93 43 00-0847	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	317.15	
32 93 43 00-0848	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	365.95	
32 93 43 00-0849	EA	2' Thuja occidentalis - American Arborviatae	20.90	
32 93 43 00-0850	EA	2-1/2' Thuja occidentalis - American Arborviatae	22.59	
32 93 43 00-0851	EA	3' Thuja occidentalis - American Arborviatae	32.26	
32 93 43 00-0852	EA	4' Thuja occidentalis - American Arborviatae	44.33	
32 93 43 00-0853	EA	5' Thuja occidentalis - American Arborviatae	61.72	
32 93 43 00-0854	EA	6' Thuja occidentalis - American Arborviatae	85.57	
32 93 43 00-0855	EA	7' Thuja occidentalis - American Arborviatae	103.81	
32 93 43 00-0856	EA	8' Thuja occidentalis - American Arborviatae	145.89	
32 93 43 00-0857	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	152.48	
32 93 43 00-0858	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	176.87	
32 93 43 00-0859	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	225.67	
32 93 43 00-0860	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.26	
32 93 43 00-0861	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	298.86	
32 93 43 00-0862	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	335.45	
32 93 43 00-0863	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	365.95	
32 93 43 00-0864	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	195.17	
32 93 43 00-0865	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	213.47	
32 93 43 00-0866	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	243.97	
32 93 43 00-0867	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	280.56	
32 93 43 00-0868	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	153.39	
32 93 43 00-0869	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	185.29	
32 93 43 00-0870	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	213.47	
32 93 43 00-0871	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.26	
32 93 43 00-0872	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	298.86	
32 93 43 00-0873	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	335.45	
32 93 43 00-0874	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	372.05	
32 93 43 00-0875	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	170.78	
32 93 43 00-0876	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	189.07	
32 93 43 00-0877	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	207.37	
32 93 43 00-0878	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	231.77	
32 93 43 00-0879	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	268.36	
32 93 43 00-0880	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	317.15	
32 93 43 00-0881	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	414.74	
32 93 43 00-0882	EA	2" Caliper Tilia x euchlora - Crimean Linden	170.78	
32 93 43 00-0883	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	219.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0884	EA	3" Caliper Tilia x euchlora - Crimean Linden	268.36	
32 93 43 00-0885	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	304.96	
32 93 43 00-0886	EA	4" Caliper Tilia x euchlora - Crimean Linden	341.55	
32 93 43 00-0887	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	384.25	
32 93 43 00-0888	EA	5" Caliper Tilia x euchlora - Crimean Linden	414.74	
32 93 43 00-0889	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	170.78	
32 93 43 00-0890	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	195.17	
32 93 43 00-0891	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	213.47	
32 93 43 00-0892	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	231.77	
32 93 43 00-0893	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	256.16	
32 93 43 00-0894	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	304.96	
32 93 43 00-0895	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	359.85	
32 93 43 00-0896	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	195.17	
32 93 43 00-0897	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	213.47	
32 93 43 00-0898	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	231.77	
32 93 43 00-0899	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	256.16	
32 93 43 00-0900	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	304.96	
32 93 43 00-0901	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	359.85	
32 93 43 00-0902	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	414.74	
32 93 43 00-0903	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	195.17	
32 93 43 00-0904	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	213.47	
32 93 43 00-0905	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	231.77	
32 93 43 00-0906	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	256.16	
32 93 43 00-0907	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	304.96	
32 93 43 00-0908	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	359.85	
32 93 43 00-0909	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	414.74	
32 93 43 00-0910	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	94.40	
32 93 43 00-0911	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	115.63	
32 93 43 00-0912	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	146.50	
32 93 43 00-0913	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	364.20	
32 93 43 00-0914	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	650.07	
32 93 43 00-0915	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	951.61	
32 93 43 00-0916	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,182.66	
32 93 43 00-0917	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,531.20	
32 93 43 00-0918	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,742.66	
32 93 43 00-0919	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	458.18	
32 93 43 00-0920	EA	1-1/2" Caliper Quercus suber - Cork Oak	548.25	
32 93 43 00-0921	EA	2" Caliper Quercus suber - Cork Oak	759.72	
32 93 43 00-0922	EA	2-1/2" Caliper Quercus suber - Cork Oak	971.19	
32 93 43 00-0923	EA	3" Caliper Quercus suber - Cork Oak	1,213.99	
32 93 43 00-0924	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,820.99	
32 93 43 00-0925	EA	4" Caliper Quercus suber - Cork Oak	2,349.66	
32 93 43 00-0926	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,054.56	
32 93 43 00-0927	EA	1-1/2" Caliper Quercus ilex - Holly Oak	607.00	
32 93 43 00-0928	EA	2" Caliper Quercus ilex - Holly Oak	818.46	
32 93 43 00-0929	EA	2-1/2" Caliper Quercus ilex - Holly Oak	1,002.52	
32 93 43 00-0930	EA	3" Caliper Quercus ilex - Holly Oak	1,213.99	
32 93 43 00-0931	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,820.99	
32 93 43 00-0932	EA	4" Caliper Quercus ilex - Holly Oak	2,349.66	

32 93 43 00-0933 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0934	EA	6' Abies balsamea - Balsam Fir	149.14	
32 93 43 00-0935	EA	7' Abies balsamea - Balsam Fir	186.42	
32 93 43 00-0936	EA	8' Abies balsamea - Balsam Fir	223.71	
32 93 43 00-0937	EA	9' Abies balsamea - Balsam Fir	298.28	
32 93 43 00-0938	EA	10' Abies balsamea - Balsam Fir	372.85	
32 93 43 00-0939	EA	12' Abies balsamea - Balsam Fir	447.42	
32 93 43 00-0940	EA	6' Abies concolor - White Fir	216.25	
32 93 43 00-0941	EA	7' Abies concolor - White Fir	246.08	
32 93 43 00-0942	EA	8' Abies concolor - White Fir	290.82	
32 93 43 00-0943	EA	9' Abies concolor - White Fir	335.56	
32 93 43 00-0944	EA	10' Abies concolor - White Fir	395.22	
32 93 43 00-0945	EA	12' Abies concolor - White Fir	484.70	
32 93 43 00-0946	EA	14' Abies concolor - White Fir	596.56	
32 93 43 00-0947	EA	16' Abies concolor - White Fir	671.13	
32 93 43 00-0948	EA	6' Abies fraseri - Frasier Fir	149.14	
32 93 43 00-0949	EA	7' Abies fraseri - Frasier Fir	186.42	
32 93 43 00-0950	EA	8' Abies fraseri - Frasier Fir	223.71	
32 93 43 00-0951	EA	9' Abies fraseri - Frasier Fir	298.28	
32 93 43 00-0952	EA	10' Abies fraseri - Frasier Fir	372.85	
32 93 43 00-0953	EA	12' Abies fraseri - Frasier Fir	447.42	
32 93 43 00-0954	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	26.86	
32 93 43 00-0955	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	43.18	
32 93 43 00-0956	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	64.15	
32 93 43 00-0957	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	86.31	
32 93 43 00-0958	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	122.53	
32 93 43 00-0959	EA	6' To 8' Cedrus deodara - Indian Cedar	110.87	
32 93 43 00-0960	EA	8' To 10' Cedrus deodara - Indian Cedar	128.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0961	EA	10' To 12' Cedrus deodara - Indian Cedar	175.02	
32 93 43 00-0962	EA	12' To 14' Cedrus deodara - Indian Cedar	227.51	
32 93 43 00-0963	EA	14' To 16' Cedrus deodara - Indian Cedar	291.72	
32 93 43 00-0964	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	34.66	
32 93 43 00-0965	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	51.99	
32 93 43 00-0966	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	80.87	
32 93 43 00-0967	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	138.63	
32 93 43 00-0968	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	42.00	
32 93 43 00-0969	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	65.39	
32 93 43 00-0970	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	81.65	
32 93 43 00-0971	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	116.70	
32 93 43 00-0972	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.73	
32 93 43 00-0973	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.86	
32 93 43 00-0974	EA	7 Gallon Cleyera japonica - Japanese Cleyera	33.97	
32 93 43 00-0975	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	19.07	
32 93 43 00-0976	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	76.27	
32 93 43 00-0977	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	33.37	
32 93 43 00-0978	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	42.90	
32 93 43 00-0979	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	66.73	
32 93 43 00-0980	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	162.07	
32 93 43 00-0981	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.48	
32 93 43 00-0982	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	15.65	
32 93 43 00-0983	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	52.15	
32 93 43 00-0984	EA	5 Gallon Cupressus sempervirens - Italian Cypress	17.95	
32 93 43 00-0985	EA	15 Gallon Cupressus sempervirens - Italian Cypress	49.35	
32 93 43 00-0986	EA	1 Gallon Illicium anisatum - Anise Tree	5.13	
32 93 43 00-0987	EA	3 Gallon Illicium anisatum - Anise Tree	11.86	
32 93 43 00-0988	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.27	
32 93 43 00-0989	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	10.32	
32 93 43 00-0990	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	12.79	
32 93 43 00-0991	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	15.03	
32 93 43 00-0992	EA	1 Gallon Juniperus - Blue Sargent Juniper	5.27	
32 93 43 00-0993	EA	2 Gallon Juniperus - Blue Sargent Juniper	10.32	
32 93 43 00-0994	EA	3 Gallon Juniperus - Blue Sargent Juniper	12.79	
32 93 43 00-0995	EA	5 Gallon Juniperus - Blue Sargent Juniper	15.03	
32 93 43 00-0996	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	15.03	
32 93 43 00-0997	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	16.26	
32 93 43 00-0998	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	19.63	
32 93 43 00-0999	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	29.16	
32 93 43 00-1000	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	33.76	
32 93 43 00-1001	EA	5' To 6' Juniperus - Fairview Juniper	50.28	
32 93 43 00-1002	EA	1 Gallon Juniperus - Hollywood Juniper	6.73	
32 93 43 00-1003	EA	5 Gallon Juniperus - Hollywood Juniper	18.73	
32 93 43 00-1004	EA	15 Gallon Juniperus - Hollywood Juniper	79.41	
32 93 43 00-1005	EA	4' To 5' Juniperus - Hollywood Juniper	52.49	
32 93 43 00-1006	EA	5' To 6' Juniperus - Hollywood Juniper	67.63	
32 93 43 00-1007	EA	1 Gallon Juniperus - Parson's Juniper	5.27	
32 93 43 00-1008	EA	2 Gallon Juniperus - Parson's Juniper	10.43	
32 93 43 00-1009	EA	3 Gallon Juniperus - Parson's Juniper	12.90	
32 93 43 00-1010	EA	5 Gallon Juniperus - Parson's Juniper	15.25	
32 93 43 00-1011	EA	5 Gallon Juniperus - Skyrocket Juniper	18.84	
32 93 43 00-1012	EA	15 Gallon Juniperus - Skyrocket Juniper	80.19	
32 93 43 00-1013	EA	2' To 3' Juniperus - Skyrocket Juniper	28.26	
32 93 43 00-1014	EA	3' To 4' Juniperus - Skyrocket Juniper	40.04	
32 93 43 00-1015	EA	4' To 5' Juniperus - Skyrocket Juniper	53.05	
32 93 43 00-1016	EA	5' To 6' Juniperus - Skyrocket Juniper	68.42	
32 93 43 00-1017	EA	6' To 8' Juniperus - Skyrocket Juniper	88.38	
32 93 43 00-1018	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.27	
32 93 43 00-1019	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	10.38	
32 93 43 00-1020	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	12.73	
32 93 43 00-1021	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	15.09	
32 93 43 00-1022	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.27	
32 93 43 00-1023	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	10.38	
32 93 43 00-1024	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	12.73	
32 93 43 00-1025	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	15.09	
32 93 43 00-1026	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	28.26	
32 93 43 00-1027	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	40.04	
32 93 43 00-1028	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	53.05	
32 93 43 00-1029	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	68.42	
32 93 43 00-1030	EA	5' Picea abies & cvs - Norway Spruce	164.05	
32 93 43 00-1031	EA	6' Picea abies & cvs - Norway Spruce	186.42	
32 93 43 00-1032	EA	7' Picea abies & cvs - Norway Spruce	223.71	
32 93 43 00-1033	EA	8' Picea abies & cvs - Norway Spruce	260.99	
32 93 43 00-1034	EA	9' Picea abies & cvs - Norway Spruce	350.48	
32 93 43 00-1035	EA	10' Picea abies & cvs - Norway Spruce	425.05	
32 93 43 00-1036	EA	12' Picea abies & cvs - Norway Spruce	521.99	
32 93 43 00-1037	EA	14' Picea abies & cvs - Norway Spruce	633.84	
32 93 43 00-1038	EA	6' Picea glauca - White Spruce	156.60	
32 93 43 00-1039	EA	7' Picea glauca - White Spruce	223.71	
32 93 43 00-1040	EA	8' Picea glauca - White Spruce	260.99	
32 93 43 00-1041	EA	9' Picea glauca - White Spruce	313.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1042	EA	10' Picea glauca - White Spruce	372.85	
32 93 43 00-1043	EA	12' Picea glauca - White Spruce	447.42	
32 93 43 00-1044	EA	4' Picea glauca densata - Black Hills Spruce	89.48	
32 93 43 00-1045	EA	5' Picea glauca densata - Black Hills Spruce	134.23	
32 93 43 00-1046	EA	6' Picea glauca densata - Black Hills Spruce	201.34	
32 93 43 00-1047	EA	7' Picea glauca densata - Black Hills Spruce	238.62	
32 93 43 00-1048	EA	8' Picea glauca densata - Black Hills Spruce	275.91	
32 93 43 00-1049	EA	9' Picea glauca densata - Black Hills Spruce	305.74	
32 93 43 00-1050	EA	10' Picea glauca densata - Black Hills Spruce	335.56	
32 93 43 00-1051	EA	6' Picea omorika & cvs - Serbian Spruce	201.34	
32 93 43 00-1052	EA	7' Picea omorika & cvs - Serbian Spruce	223.71	
32 93 43 00-1053	EA	8' Picea omorika & cvs - Serbian Spruce	268.45	
32 93 43 00-1054	EA	9' Picea omorika & cvs - Serbian Spruce	313.19	
32 93 43 00-1055	EA	10' Picea omorika & cvs - Serbian Spruce	357.93	
32 93 43 00-1056	EA	5' Picea pungens - Colorado Green Spruce	164.05	
32 93 43 00-1057	EA	6' Picea pungens - Colorado Green Spruce	208.79	
32 93 43 00-1058	EA	7' Picea pungens - Colorado Green Spruce	246.08	
32 93 43 00-1059	EA	8' Picea pungens - Colorado Green Spruce	283.36	
32 93 43 00-1060	EA	9' Picea pungens - Colorado Green Spruce	328.11	
32 93 43 00-1061	EA	10' Picea pungens - Colorado Green Spruce	618.93	
32 93 43 00-1062	EA	12' Picea pungens - Colorado Green Spruce	447.42	
32 93 43 00-1063	EA	14' Picea pungens - Colorado Green Spruce	521.99	
32 93 43 00-1064	EA	16' Picea pungens - Colorado Green Spruce	671.13	
32 93 43 00-1065	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	164.05	
32 93 43 00-1066	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	223.71	
32 93 43 00-1067	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	260.99	
32 93 43 00-1068	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	298.28	
32 93 43 00-1069	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	335.56	
32 93 43 00-1070	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	410.13	
32 93 43 00-1071	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	521.99	
32 93 43 00-1072	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	782.98	
32 93 43 00-1073	EA	4' Pinus cembra - Swiss Stone Pine	126.77	
32 93 43 00-1074	EA	5' Pinus cembra - Swiss Stone Pine	156.60	
32 93 43 00-1075	EA	6' Pinus cembra - Swiss Stone Pine	193.88	
32 93 43 00-1076	EA	6' Pinus flexilis & cvs - Limber Pine	186.42	
32 93 43 00-1077	EA	7' Pinus flexilis & cvs - Limber Pine	216.25	
32 93 43 00-1078	EA	8' Pinus flexilis & cvs - Limber Pine	268.45	
32 93 43 00-1079	EA	9' Pinus flexilis & cvs - Limber Pine	328.11	
32 93 43 00-1080	EA	10' Pinus flexilis & cvs - Limber Pine	372.85	
32 93 43 00-1081	EA	2 Gallon Pinus mugo - Mugho Pine	14.69	
32 93 43 00-1082	EA	3 Gallon Pinus mugo - Mugho Pine	18.39	
32 93 43 00-1083	EA	5 Gallon Pinus mugo - Mugho Pine	23.33	
32 93 43 00-1084	EA	12" To 15" Spread Pinus mugo - Mugho Pine	18.06	
32 93 43 00-1085	EA	15" To 18" Spread Pinus mugo - Mugho Pine	21.53	
32 93 43 00-1086	EA	18" To 24" Spread Pinus mugo - Mugho Pine	29.16	
32 93 43 00-1087	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	40.83	
32 93 43 00-1088	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	52.49	
32 93 43 00-1089	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	65.39	
32 93 43 00-1090	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	79.41	
32 93 43 00-1091	EA	6' Pinus nigra - Austrian Pine	186.42	
32 93 43 00-1092	EA	7' Pinus nigra - Austrian Pine	223.71	
32 93 43 00-1093	EA	8' Pinus nigra - Austrian Pine	290.82	
32 93 43 00-1094	EA	9' Pinus nigra - Austrian Pine	335.56	
32 93 43 00-1095	EA	10' Pinus nigra - Austrian Pine	395.22	
32 93 43 00-1096	EA	12' Pinus nigra - Austrian Pine	447.42	
32 93 43 00-1097	EA	14' Pinus nigra - Austrian Pine	499.62	
32 93 43 00-1098	EA	16' Pinus nigra - Austrian Pine	566.73	
32 93 43 00-1099	EA	5' Pinus peuce - Macedonian Pine	231.17	
32 93 43 00-1100	EA	6' Pinus peuce - Macedonian Pine	290.82	
32 93 43 00-1101	EA	7' Pinus peuce - Macedonian Pine	335.56	
32 93 43 00-1102	EA	8' Pinus peuce - Macedonian Pine	380.30	
32 93 43 00-1103	EA	9' Pinus peuce - Macedonian Pine	439.96	
32 93 43 00-1104	EA	2' Pinus strobus - Pyramidal White Pine	20.65	
32 93 43 00-1105	EA	3' Pinus strobus - Pyramidal White Pine	27.59	
32 93 43 00-1106	EA	4' Pinus strobus - Pyramidal White Pine	30.44	
32 93 43 00-1107	EA	5' Pinus strobus - Pyramidal White Pine	33.29	
32 93 43 00-1108	EA	6' Pinus strobus - Pyramidal White Pine	41.48	
32 93 43 00-1109	EA	7' Pinus strobus - Pyramidal White Pine	55.19	
32 93 43 00-1110	EA	8' Pinus strobus - Pyramidal White Pine	75.84	
32 93 43 00-1111	EA	10' Pinus strobus - Pyramidal White Pine	151.32	
32 93 43 00-1112	EA	12' Pinus strobus - Pyramidal White Pine	359.62	
32 93 43 00-1113	EA	14' Pinus strobus - Pyramidal White Pine	482.45	
32 93 43 00-1114	EA	16' Pinus strobus - Pyramidal White Pine	580.37	
32 93 43 00-1115	EA	2' Pinus strobus - White Pine	31.73	
32 93 43 00-1116	EA	3' Pinus strobus - White Pine	45.28	
32 93 43 00-1117	EA	4' Pinus strobus - White Pine	72.21	
32 93 43 00-1118	EA	5' Pinus strobus - White Pine	102.91	
32 93 43 00-1119	EA	6' Pinus strobus - White Pine	150.93	
32 93 43 00-1120	EA	7' Pinus strobus - White Pine	180.09	
32 93 43 00-1121	EA	8' Pinus strobus - White Pine	243.54	
32 93 43 00-1122	EA	10' Pinus strobus - White Pine	327.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1123	EA	12' Pinus strobus - White Pine	433.92	
32 93 43 00-1124	EA	14' Pinus strobus - White Pine	531.68	
32 93 43 00-1125	EA	16' Pinus strobus - White Pine	646.59	
32 93 43 00-1126	EA	3' Pinus sylvestris - Scotch Pine	48.99	
32 93 43 00-1127	EA	4' Pinus sylvestris - Scotch Pine	68.01	
32 93 43 00-1128	EA	5' Pinus sylvestris - Scotch Pine	95.45	
32 93 43 00-1129	EA	6' Pinus sylvestris - Scotch Pine	132.44	
32 93 43 00-1130	EA	7' Pinus sylvestris - Scotch Pine	162.26	
32 93 43 00-1131	EA	8' Pinus sylvestris - Scotch Pine	229.08	
32 93 43 00-1132	EA	9' Pinus sylvestris - Scotch Pine	290.82	
32 93 43 00-1133	EA	10' Pinus sylvestris - Scotch Pine	335.56	
32 93 43 00-1134	EA	12' Pinus sylvestris - Scotch Pine	395.22	
32 93 43 00-1135	EA	14' Pinus sylvestris - Scotch Pine	447.42	
32 93 43 00-1136	EA	16' Pinus sylvestris - Scotch Pine	521.99	
32 93 43 00-1137	EA	5' To 6' Pinus taeda - Loblolly Pine	21.32	
32 93 43 00-1138	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	5.27	
32 93 43 00-1139	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	18.73	
32 93 43 00-1140	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	60.68	
32 93 43 00-1141	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	25.68	
32 93 43 00-1142	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	32.64	
32 93 43 00-1143	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	49.01	
32 93 43 00-1144	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	95.67	
32 93 43 00-1145	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	107.33	
32 93 43 00-1146	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	134.14	
32 93 43 00-1147	EA	1 Gallon Pinus mugo - Mugho Pine	6.95	
32 93 43 00-1148	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.48	
32 93 43 00-1149	EA	3 Gallon Podocarpus - Chinese Podocarpus	8.08	
32 93 43 00-1150	EA	7 Gallon Podocarpus - Chinese Podocarpus	23.33	
32 93 43 00-1151	EA	15 Gallon Podocarpus - Chinese Podocarpus	37.91	
32 93 43 00-1152	EA	4' To 5' Podocarpus - Chinese Podocarpus	58.32	
32 93 43 00-1153	EA	5' Pseudotsuga menziesii - Douglas Fir	149.14	
32 93 43 00-1154	EA	6' Pseudotsuga menziesii - Douglas Fir	178.97	
32 93 43 00-1155	EA	7' Pseudotsuga menziesii - Douglas Fir	223.71	
32 93 43 00-1156	EA	8' Pseudotsuga menziesii - Douglas Fir	268.45	
32 93 43 00-1157	EA	9' Pseudotsuga menziesii - Douglas Fir	335.56	
32 93 43 00-1158	EA	10' Pseudotsuga menziesii - Douglas Fir	395.22	
32 93 43 00-1159	EA	12' Pseudotsuga menziesii - Douglas Fir	447.42	
32 93 43 00-1160	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	72.90	
32 93 43 00-1161	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	98.42	
32 93 43 00-1162	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	120.29	
32 93 43 00-1163	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	51.82	
32 93 43 00-1164	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	64.77	
32 93 43 00-1165	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	80.08	
32 93 43 00-1166	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	101.34	
32 93 43 00-1167	EA	6' Tsuga canadensis - Northern Hemlock	149.14	
32 93 43 00-1168	EA	7' Tsuga canadensis - Northern Hemlock	186.42	
32 93 43 00-1169	EA	8' Tsuga canadensis - Northern Hemlock	253.54	
32 93 43 00-1170	EA	9' Tsuga canadensis - Northern Hemlock	298.28	
32 93 43 00-1171	EA	10' Tsuga canadensis - Northern Hemlock	335.56	
32 93 43 00-1172	EA	12' Tsuga canadensis - Northern Hemlock	372.85	
32 93 43 00-1173	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	14.06	
32 93 43 00-1174	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	26.32	
32 93 43 00-1175	EA	6' Cedrus decurrens - Incese Cedar	125.20	
32 93 43 00-1176	EA	8' Cedrus decurrens - Incese Cedar	258.98	
32 93 43 00-1177	EA	10' Cedrus decurrens - Incese Cedar	343.02	
32 93 43 00-1178	EA	12' Cedrus decurrens - Incese Cedar	454.50	
32 93 43 00-1179	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	360.17	
32 93 43 00-1180	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	480.23	
32 93 43 00-1181	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	600.28	
32 93 43 00-1182	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	720.34	
32 93 43 00-1183	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	356.74	
32 93 43 00-1184	EA	6' Melaleuca quinquenervia - Cajeput Tree	360.17	
32 93 43 00-1185	EA	8' Melaleuca quinquenervia - Cajeput Tree	480.23	
32 93 43 00-1186	EA	10' Melaleuca quinquenervia - Cajeput Tree	600.28	
32 93 43 00-1187	EA	12' Melaleuca quinquenervia - Cajeput Tree	720.34	
32 93 43 00-1188	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	200.67	
32 93 43 00-1189	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	505.95	
32 93 43 00-1190	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	797.52	
32 93 43 00-1191	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	106.34	
32 93 43 00-1192	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	144.07	
32 93 43 00-1193	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	245.26	
32 93 43 00-1194	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	303.57	
32 93 43 00-1195	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	202.00	
32 93 43 00-1196	EA	6' Pinus canariensis - Canary Island Pine	411.62	
32 93 43 00-1197	EA	8' Pinus canariensis - Canary Island Pine	548.83	
32 93 43 00-1198	EA	10' Pinus canariensis - Canary Island Pine	686.04	
32 93 43 00-1199	EA	12' Pinus canariensis - Canary Island Pine	823.25	
32 93 43 00-1200	EA	24" Box Pinus canariensis - Canary Island Pine	423.63	
32 93 43 00-1201	EA	6' Pinus pinea - Italian Stone Pine	411.62	
32 93 43 00-1202	EA	8' Pinus pinea - Italian Stone Pine	548.83	
32 93 43 00-1203	EA	10' Pinus pinea - Italian Stone Pine	686.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1204	EA	12' Pinus pinea - Italian Stone Pine	823.25	
32 93 43 00-1205	EA	6' Pittosporum undulatum - Victorian Box	226.39	
32 93 43 00-1206	EA	8' Pittosporum undulatum - Victorian Box	358.46	
32 93 43 00-1207	EA	10' Pittosporum undulatum - Victorian Box	471.65	
32 93 43 00-1208	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	428.78	
32 93 43 00-1209	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	565.98	
32 93 43 00-1210	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	720.34	
32 93 43 00-1211	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	857.55	
32 93 43 00-1212	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	200.67	
32 93 43 00-1213	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.98	
32 93 43 00-1214	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	18.69	
32 93 43 00-1215	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	24.53	
32 93 43 00-1216	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	106.34	
32 93 43 00-1217	EA	24" Box Podocarpus macrophyllus - Yew Pine	205.81	
32 93 43 00-1218	EA	24" Box Rhus lancea - African Sumac	211.81	
32 93 43 00-1219	EA	30" Box Rhus lancea - African Sumac	343.02	
32 93 43 00-1220	EA	8' Rhus lancea - African Sumac	514.53	
32 93 43 00-1221	EA	10' Rhus lancea - African Sumac	574.56	
32 93 43 00-1222	EA	12' Rhus lancea - African Sumac	686.04	

32 93 43 00-1223 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1224	EA	4' To 5' Acacia baileyana - Bailey Acacia	280.56	
32 93 43 00-1225	EA	6' Acacia baileyana - Bailey Acacia	336.67	
32 93 43 00-1226	EA	8' Acacia baileyana - Bailey Acacia	392.78	
32 93 43 00-1227	EA	10' Acacia baileyana - Bailey Acacia	490.98	
32 93 43 00-1228	EA	6' Agonis flexuosa - Peppermint Tree	168.34	
32 93 43 00-1229	EA	8' Agonis flexuosa - Peppermint Tree	210.42	
32 93 43 00-1230	EA	10' Agonis flexuosa - Peppermint Tree	252.50	
32 93 43 00-1231	EA	24" Box Agonis flexuosa - Peppermint Tree	209.72	
32 93 43 00-1232	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	114.75	
32 93 43 00-1233	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	178.50	
32 93 43 00-1234	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	229.50	
32 93 43 00-1235	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	306.00	
32 93 43 00-1236	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	86.93	
32 93 43 00-1237	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	121.71	
32 93 43 00-1238	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	156.48	
32 93 43 00-1239	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	191.25	
32 93 43 00-1240	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	231.82	
32 93 43 00-1241	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	289.78	
32 93 43 00-1242	EA	6' Bauhinia purpurea - Purple Orchid Tree	625.91	
32 93 43 00-1243	EA	8' Bauhinia purpurea - Purple Orchid Tree	834.55	
32 93 43 00-1244	EA	10' Bauhinia purpurea - Purple Orchid Tree	1,043.19	
32 93 43 00-1245	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	271.23	
32 93 43 00-1246	EA	6' Bauhinia variegata candida - White Orchid Tree	695.46	
32 93 43 00-1247	EA	8' Bauhinia variegata candida - White Orchid Tree	927.28	
32 93 43 00-1248	EA	10' Bauhinia variegata candida - White Orchid Tree	1,159.10	
32 93 43 00-1249	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	498.41	
32 93 43 00-1250	EA	6' Bauninia blakeana - Hong Kong Orchid	591.14	
32 93 43 00-1251	EA	8' Bauninia blakeana - Hong Kong Orchid	788.19	
32 93 43 00-1252	EA	10' Bauninia blakeana - Hong Kong Orchid	985.24	
32 93 43 00-1253	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	378.76	
32 93 43 00-1254	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	505.01	
32 93 43 00-1255	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	631.26	
32 93 43 00-1256	EA	6' Callistemon viminalis - Weeping Bottle Brush	378.76	
32 93 43 00-1257	EA	8' Callistemon viminalis - Weeping Bottle Brush	505.01	
32 93 43 00-1258	EA	10' Callistemon viminalis - Weeping Bottle Brush	631.26	
32 93 43 00-1259	EA	12' Callistemon viminalis - Weeping Bottle Brush	757.51	
32 93 43 00-1260	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	243.41	
32 93 43 00-1261	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	382.50	
32 93 43 00-1262	EA	3' To 4' Chamaerops humilis - European Fan Palm	208.64	
32 93 43 00-1263	EA	5' To 6' Chamaerops humilis - European Fan Palm	278.18	
32 93 43 00-1264	EA	7' To 8' Chamaerops humilis - European Fan Palm	649.10	
32 93 43 00-1265	EA	9' To 10' Chamaerops humilis - European Fan Palm	1,112.74	
32 93 43 00-1266	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	162.27	
32 93 43 00-1267	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	324.55	
32 93 43 00-1268	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	417.28	
32 93 43 00-1269	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	579.55	
32 93 43 00-1270	EA	12' To 16' Cocos nucifera - Coconut Palm	488.84	
32 93 43 00-1271	EA	6' Eriobotrya deflexa - Bronze Loquat	625.91	
32 93 43 00-1272	EA	8' Eriobotrya deflexa - Bronze Loquat	834.55	
32 93 43 00-1273	EA	10' Eriobotrya deflexa - Bronze Loquat	1,043.19	
32 93 43 00-1274	EA	6' Eucalyptus erythrocorys - Red Cap Gum	625.91	
32 93 43 00-1275	EA	8' Eucalyptus erythrocorys - Red Cap Gum	834.55	
32 93 43 00-1276	EA	10' Eucalyptus erythrocorys - Red Cap Gum	1,043.19	
32 93 43 00-1277	EA	6' Eucalyptus gunnii - Cider Gum	625.91	
32 93 43 00-1278	EA	8' Eucalyptus gunnii - Cider Gum	834.55	
32 93 43 00-1279	EA	10' Eucalyptus gunnii - Cider Gum	1,043.19	
32 93 43 00-1280	EA	6' Eucalyptus leucoxylon - White Ironbark	625.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1281	EA	8' Eucalyptus leucoxylon - White Ironbark	834.55	
32 93 43 00-1282	EA	10' Eucalyptus leucoxylon - White Ironbark	1,043.19	
32 93 43 00-1283	EA	12' Eucalyptus leucoxylon - White Ironbark	1,251.83	
32 93 43 00-1284	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	625.91	
32 93 43 00-1285	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	834.55	
32 93 43 00-1286	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	1,043.19	
32 93 43 00-1287	EA	6' Eucalyptus torquala - Coral Gum	625.91	
32 93 43 00-1288	EA	8' Eucalyptus torquala - Coral Gum	834.55	
32 93 43 00-1289	EA	10' Eucalyptus torquala - Coral Gum	1,043.19	
32 93 43 00-1290	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	392.78	
32 93 43 00-1291	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	533.06	
32 93 43 00-1292	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	659.32	
32 93 43 00-1293	EA	6' Jacarandra acutifolia - Jacaranda	625.91	
32 93 43 00-1294	EA	8' Jacarandra acutifolia - Jacaranda	834.55	
32 93 43 00-1295	EA	10' Jacarandra acutifolia - Jacaranda	1,043.19	
32 93 43 00-1296	EA	24" Box Jacarandra acutifolia - Jacaranda	271.23	
32 93 43 00-1297	EA	6' Olea europaea - Olive "Fruitless"	463.08	
32 93 43 00-1298	EA	8' Olea europaea - Olive "Fruitless"	617.44	
32 93 43 00-1299	EA	10' Olea europaea - Olive "Fruitless"	771.80	
32 93 43 00-1300	EA	12' Olea europaea - Olive "Fruitless"	926.15	
32 93 43 00-1301	EA	24" Box Olea europaea - Olive "Fruitless"	569.41	
32 93 43 00-1302	EA	5 Gallon Pistacia chinensis - Chinese Pistache	41.73	
32 93 43 00-1303	EA	15 Gallon Pistacia chinensis - Chinese Pistache	139.09	
32 93 43 00-1304	EA	24" Box Pistacia chinensis - Chinese Pistache	540.14	
32 93 43 00-1305	EA	36" Box Pistacia chinensis - Chinese Pistache	1,437.28	
32 93 43 00-1306	EA	48" Box Pistacia chinensis - Chinese Pistache	3,060.02	
32 93 43 00-1307	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	26.09	
32 93 43 00-1308	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	86.97	
32 93 43 00-1309	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	326.85	
32 93 43 00-1310	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	597.59	
32 93 43 00-1311	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	869.74	
32 93 43 00-1312	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	26.09	
32 93 43 00-1313	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	92.58	
32 93 43 00-1314	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	336.67	
32 93 43 00-1315	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	597.59	
32 93 43 00-1316	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	869.74	
32 93 43 00-1317	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	173.86	
32 93 43 00-1318	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	289.78	
32 93 43 00-1319	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	440.46	
32 93 43 00-1320	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	498.41	
32 93 43 00-1321	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	579.55	
32 93 43 00-1322	EA	4' To 5' Rhapis excelsa - Lady Palm	440.46	
32 93 43 00-1323	EA	6' To 7' Rhapis excelsa - Lady Palm	625.91	
32 93 43 00-1324	EA	8' To 9' Roystonea regia - Royal Palm	354.68	
32 93 43 00-1325	EA	10' To 11' Roystonea regia - Royal Palm	433.50	
32 93 43 00-1326	EA	12' To 13' Roystonea regia - Royal Palm	512.32	
32 93 43 00-1327	EA	14' To 15' Roystonea regia - Royal Palm	591.14	
32 93 43 00-1328	EA	16' To 17' Roystonea regia - Royal Palm	669.96	
32 93 43 00-1329	EA	18' To 19' Roystonea regia - Royal Palm	748.78	
32 93 43 00-1330	EA	20' To 21' Roystonea regia - Royal Palm	827.60	
32 93 43 00-1331	EA	10' To 16' Sabal palmetto - Cabbage Palm	179.25	
32 93 43 00-1332	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	486.82	
32 93 43 00-1333	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	625.91	
32 93 43 00-1334	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	765.01	
32 93 43 00-1335	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.54	
32 93 43 00-1336	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	29.68	
32 93 43 00-1337	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	103.88	
32 93 43 00-1338	EA	24" Box Washingtonia robusta - Mexican Fan Palm	339.22	
32 93 43 00-1339	EA	36" Box Washingtonia robusta - Mexican Fan Palm	901.04	
32 93 43 00-1340	EA	6' Washingtonia robusta - Mexican Fan Palm	625.91	
32 93 43 00-1341	EA	8' Washingtonia robusta - Mexican Fan Palm	834.55	
32 93 43 00-1342	EA	10' Washingtonia robusta - Mexican Fan Palm	1,043.19	
32 93 43 00-1343	EA	12' Washingtonia robusta - Mexican Fan Palm	1,251.83	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.50
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.40
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.00
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.80
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	24.02
		For >10 To 25, Deduct	*-1.20*
		For >25 To 50, Deduct	*-3.00*
		For >50 To 100, Deduct	*-4.80*
		For >100, Deduct	*-7.21*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	33.63	
		For >10 To 25, Deduct	*-1.68*	
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-6.73*	
		For >100, Deduct	*-10.09*	
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	43.23	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.65*	
		For >100, Deduct	*-12.97*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	72.04	
		For >10 To 25, Deduct	*-3.60*	
		For >25 To 50, Deduct	*-9.01*	
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-21.61*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	96.06	
		For >10 To 25, Deduct	*-4.80*	
		For >25 To 50, Deduct	*-12.01*	
		For >50 To 100, Deduct	*-19.21*	
		For >100, Deduct	*-28.82*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	124.88	
		For >10 To 25, Deduct	*-6.24*	
		For >25 To 50, Deduct	*-15.61*	
		For >50 To 100, Deduct	*-24.98*	
		For >100, Deduct	*-37.46*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	177.71	
		For >10 To 25, Deduct	*-8.89*	
		For >25 To 50, Deduct	*-22.21*	
		For >50 To 100, Deduct	*-35.54*	
		For >100, Deduct	*-53.31*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	292.99	
		For >10 To 25, Deduct	*-14.65*	
		For >25 To 50, Deduct	*-36.62*	
		For >50 To 100, Deduct	*-58.60*	
		For >100, Deduct	*-87.90*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	379.45	
		For >10 To 25, Deduct	*-18.97*	
		For >25 To 50, Deduct	*-47.43*	
		For >50 To 100, Deduct	*-75.89*	
		For >100, Deduct	*-113.84*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	456.30	
		For >10 To 25, Deduct	*-22.82*	
		For >25 To 50, Deduct	*-57.04*	
		For >50 To 100, Deduct	*-91.26*	
		For >100, Deduct	*-136.89*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	566.77	
		For >10 To 25, Deduct	*-28.34*	
		For >25 To 50, Deduct	*-70.85*	
		For >50 To 100, Deduct	*-113.35*	
		For >100, Deduct	*-170.03*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	672.44	
		For >10 To 25, Deduct	*-33.62*	
		For >25 To 50, Deduct	*-84.06*	
		For >50 To 100, Deduct	*-134.49*	
		For >100, Deduct	*-201.73*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	240.16	
		For >10 To 25, Deduct	*-12.01*	
		For >25 To 50, Deduct	*-30.02*	
		For >50 To 100, Deduct	*-48.03*	
		For >100, Deduct	*-72.05*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	319.89	
		For >10 To 25, Deduct	*-15.99*	
		For >25 To 50, Deduct	*-39.99*	
		For >50 To 100, Deduct	*-63.98*	
		For >100, Deduct	*-95.97*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	360.24	
		For >10 To 25, Deduct	*-18.01*	
		For >25 To 50, Deduct	*-45.03*	
		For >50 To 100, Deduct	*-72.05*	
		For >100, Deduct	*-108.07*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	420.27	
		For >10 To 25, Deduct	*-21.01*	
		For >25 To 50, Deduct	*-52.53*	
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-126.08*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	561.97	
		For >10 To 25, Deduct	*-28.10*	
		For >25 To 50, Deduct	*-70.25*	
		For >50 To 100, Deduct	*-112.39*	
		For >100, Deduct	*-168.59*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	643.62	
		For >10 To 25, Deduct	*-32.18*	
		For >25 To 50, Deduct	*-80.45*	
		For >50 To 100, Deduct	*-128.72*	
		For >100, Deduct	*-193.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	780.51	
		For >10 To 25, Deduct	*-39.03*	
		For >25 To 50, Deduct	*-97.56*	
		For >50 To 100, Deduct	*-156.10*	
		For >100, Deduct	*-234.15*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	936.62	
		For >10 To 25, Deduct	*-46.83*	
		For >25 To 50, Deduct	*-117.08*	
		For >50 To 100, Deduct	*-187.32*	
		For >100, Deduct	*-280.99*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,080.71	
		For >10 To 25, Deduct	*-54.04*	
		For >25 To 50, Deduct	*-135.09*	
		For >50 To 100, Deduct	*-216.14*	
		For >100, Deduct	*-324.21*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	360.24	
		For >10 To 25, Deduct	*-18.01*	
		For >25 To 50, Deduct	*-45.03*	
		For >50 To 100, Deduct	*-72.05*	
		For >100, Deduct	*-108.07*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	420.27	
		For >10 To 25, Deduct	*-21.01*	
		For >25 To 50, Deduct	*-52.53*	
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-126.08*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	564.37	
		For >10 To 25, Deduct	*-28.22*	
		For >25 To 50, Deduct	*-70.55*	
		For >50 To 100, Deduct	*-112.87*	
		For >100, Deduct	*-169.31*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	648.42	
		For >10 To 25, Deduct	*-32.42*	
		For >25 To 50, Deduct	*-81.05*	
		For >50 To 100, Deduct	*-129.68*	
		For >100, Deduct	*-194.53*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	720.48	
		For >10 To 25, Deduct	*-36.02*	
		For >25 To 50, Deduct	*-90.06*	
		For >50 To 100, Deduct	*-144.10*	
		For >100, Deduct	*-216.14*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	826.15	
		For >10 To 25, Deduct	*-41.31*	
		For >25 To 50, Deduct	*-103.27*	
		For >50 To 100, Deduct	*-165.23*	
		For >100, Deduct	*-247.85*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	20.42	
		For >10 To 25, Deduct	*-1.02*	
		For >25 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-6.13*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	28.82	
		For >10 To 25, Deduct	*-1.44*	
		For >25 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-5.76*	
		For >100, Deduct	*-8.65*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	36.03	
		For >10 To 25, Deduct	*-1.80*	
		For >25 To 50, Deduct	*-4.50*	
		For >50 To 100, Deduct	*-7.21*	
		For >100, Deduct	*-10.81*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	48.04	
		For >10 To 25, Deduct	*-2.40*	
		For >25 To 50, Deduct	*-6.01*	
		For >50 To 100, Deduct	*-9.61*	
		For >100, Deduct	*-14.41*	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	60.03	
		For >10 To 25, Deduct	*-3.00*	
		For >25 To 50, Deduct	*-7.50*	
		For >50 To 100, Deduct	*-12.01*	
		For >100, Deduct	*-18.01*	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	81.65	
		For >10 To 25, Deduct	*-4.08*	
		For >25 To 50, Deduct	*-10.21*	
		For >50 To 100, Deduct	*-16.33*	
		For >100, Deduct	*-24.50*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	108.07	
		For >10 To 25, Deduct	*-5.40*	
		For >25 To 50, Deduct	*-13.51*	
		For >50 To 100, Deduct	*-21.61*	
		For >100, Deduct	*-32.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	148.90	
		For >10 To 25, Deduct	*-7.45*	
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-29.78*	
		For >100, Deduct	*-44.67*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	249.77	
		For >10 To 25, Deduct	*-12.49*	
		For >25 To 50, Deduct	*-31.22*	
		For >50 To 100, Deduct	*-49.95*	
		For >100, Deduct	*-74.93*	
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	319.89	
		For >10 To 25, Deduct	*-15.99*	
		For >25 To 50, Deduct	*-39.99*	
		For >50 To 100, Deduct	*-63.98*	
		For >100, Deduct	*-95.97*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	67.24	
		For >10 To 25, Deduct	*-3.36*	
		For >25 To 50, Deduct	*-8.41*	
		For >50 To 100, Deduct	*-13.45*	
		For >100, Deduct	*-20.17*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	69.64	
		For >10 To 25, Deduct	*-3.48*	
		For >25 To 50, Deduct	*-8.71*	
		For >50 To 100, Deduct	*-13.93*	
		For >100, Deduct	*-20.89*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	76.85	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-9.61*	
		For >50 To 100, Deduct	*-15.37*	
		For >100, Deduct	*-23.06*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	76.85	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-9.61*	
		For >50 To 100, Deduct	*-15.37*	
		For >100, Deduct	*-23.06*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	84.05	
		For >10 To 25, Deduct	*-4.20*	
		For >25 To 50, Deduct	*-10.51*	
		For >50 To 100, Deduct	*-16.81*	
		For >100, Deduct	*-25.22*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	88.86	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-11.11*	
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-26.66*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	96.06	
		For >10 To 25, Deduct	*-4.80*	
		For >25 To 50, Deduct	*-12.01*	
		For >50 To 100, Deduct	*-19.21*	
		For >100, Deduct	*-28.82*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	144.10	
		For >10 To 25, Deduct	*-7.21*	
		For >25 To 50, Deduct	*-18.01*	
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-43.23*	
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	204.13	
		For >10 To 25, Deduct	*-10.21*	
		For >25 To 50, Deduct	*-25.52*	
		For >50 To 100, Deduct	*-40.83*	
		For >100, Deduct	*-61.24*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	271.38	
		For >10 To 25, Deduct	*-13.57*	
		For >25 To 50, Deduct	*-33.92*	
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-81.41*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	307.40	
		For >10 To 25, Deduct	*-15.37*	
		For >25 To 50, Deduct	*-38.43*	
		For >50 To 100, Deduct	*-61.48*	
		For >100, Deduct	*-92.22*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	331.42	
		For >10 To 25, Deduct	*-16.57*	
		For >25 To 50, Deduct	*-41.43*	
		For >50 To 100, Deduct	*-66.28*	
		For >100, Deduct	*-99.43*	
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	360.24	
		For >10 To 25, Deduct	*-18.01*	
		For >25 To 50, Deduct	*-45.03*	
		For >50 To 100, Deduct	*-72.05*	
		For >100, Deduct	*-108.07*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*
See CSI section 32 91 13 16-0001 for mulch.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	2.00	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.60*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	2.29	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.69*	
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	2.67	
		For >10 To 25, Deduct	*-0.13*	
		For >25 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-0.80*	
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.21	
		For >10 To 25, Deduct	*-0.16*	
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-0.96*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	4.00	
		For >10 To 25, Deduct	*-0.20*	
		For >25 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.20*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	6.00	
		For >10 To 25, Deduct	*-0.30*	
		For >25 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-1.80*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	19.21	
		For >10 To 25, Deduct	*-0.96*	
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-5.76*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	26.42	
		For >10 To 25, Deduct	*-1.32*	
		For >25 To 50, Deduct	*-3.30*	
		For >50 To 100, Deduct	*-5.28*	
		For >100, Deduct	*-7.93*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	33.63	
		For >10 To 25, Deduct	*-1.68*	
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-6.73*	
		For >100, Deduct	*-10.09*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	43.23	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.65*	
		For >100, Deduct	*-12.97*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	52.84	
		For >10 To 25, Deduct	*-2.64*	
		For >25 To 50, Deduct	*-6.61*	
		For >50 To 100, Deduct	*-10.57*	
		For >100, Deduct	*-15.85*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	72.04	
		For >10 To 25, Deduct	*-3.60*	
		For >25 To 50, Deduct	*-9.01*	
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-21.61*	
32 93 83 00-0070	EA	Bulb Planting	1.20	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.36*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	33.62	
		For >10 To 25, Deduct	*-1.68*	
		For >25, Deduct	*-4.20*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	47.69	
		For >10 To 25, Deduct	*-2.38*	
		For >25, Deduct	*-5.96*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	63.49	
		For >10 To 25, Deduct	*-3.17*	
		For >25, Deduct	*-7.94*	

32 93 83 00-0074 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	144.50
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	216.71
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	279.14
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	418.65
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	432.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	645.28	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	530.58	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	794.83	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	634.55	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	951.32	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	914.92	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	1,374.94	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	1,216.92	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,813.37	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,725.78	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	2,585.06	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	2,908.20	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	4,384.19	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	4,002.13	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	6,000.80	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.71	2.93
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.72	2.93
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.79	2.93
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.54	3.02
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.78	3.02
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.76	3.02
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	12.04	3.12
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.42	3.12
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.56	3.12
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	15.27	3.21
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.65	3.21
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.77	3.21
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.43	3.02
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.89	3.02

32 94 13 00-0016 Concrete Band, Cast In Place *(32 94 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0017	LF	6" x 4" Concrete Band	20.87	10.87
		Note: Excludes base course.		
		For Up To 20, Add	*12.70*	
		For >20 To 50, Add	*7.20*	
		For >50 To 100, Add	*2.75*	
		For >500 To 1,000, Deduct	*-2.75*	
		For >1,000, Deduct	*-4.64*	
32 94 13 00-0018	LF	6" x 6" Concrete Band	24.82	12.79
		Note: Excludes base course.		
		For Up To 20, Add	*15.19*	
		For >20 To 50, Add	*8.62*	
		For >50 To 100, Add	*3.29*	
		For >500 To 1,000, Deduct	*-3.29*	
		For >1,000, Deduct	*-5.55*	
32 94 13 00-0019	LF	8" x 6" Concrete Band	28.56	147.04
		Note: Excludes base course.		
		For Up To 20, Add	*17.54*	
		For >20 To 50, Add	*9.95*	
		For >50 To 100, Add	*3.79*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-6.40*	
32 94 13 00-0020	LF	10" x 6" Concrete Band	31.66	159.83
		Note: Excludes base course.		
		For Up To 20, Add	*19.44*	
		For >20 To 50, Add	*11.03*	
		For >50 To 100, Add	*4.20*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000, Deduct	*-7.10*	
32 94 13 00-0021	LF	12" x 6" Concrete Band	32.85	16.63
		Note: Excludes base course.		
		For Up To 20, Add	*20.00*	
		For >20 To 50, Add	*11.34*	
		For >50 To 100, Add	*4.33*	
		For >500 To 1,000, Deduct	*-4.33*	
		For >1,000, Deduct	*-7.31*	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	17.53	5.80
32 94 16 00-0002	LF	7" x 9" Railroad Ties	21.14	7.28
32 94 16 00-0003	LF	1" x 4" Redwood	6.09	2.05
32 94 16 00-0004	LF	2" x 4" Redwood Edging	8.36	3.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	10.75	4.10
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	13.85	5.13
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	16.19	6.02
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	4.54	2.05
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	6.83	3.08
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	10.24	3.97
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	13.77	5.13
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	16.70	6.02

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,134.99	76.86
		For >3 To 9, Deduct	*-73.59*	
		For >9, Deduct	*-152.10*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,313.40	76.86
		For >3 To 9, Deduct	*-86.98*	
		For >9, Deduct	*-179.75*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,587.64	102.48
		For >3 To 9, Deduct	*-103.70*	
		For >9, Deduct	*-214.32*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,975.95	102.48
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,533.57	128.10
		For >3 To 9, Deduct	*-170.80*	
		For >9, Deduct	*-352.99*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,658.27	153.71
		For >3 To 9, Deduct	*-176.31*	
		For >9, Deduct	*-364.38*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,928.51	153.71
		For >3 To 9, Deduct	*-196.58*	
		For >9, Deduct	*-406.27*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,898.81	217.76
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	4,056.24	217.76
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,187.42	217.76
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,292.37	217.76
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,371.08	217.76
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,794.27	256.20
		For >3 To 9, Deduct	*-321.14*	
		For >9, Deduct	*-663.69*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,045.78	76.86
		For >3 To 9, Deduct	*-66.90*	
		For >9, Deduct	*-138.27*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,268.79	76.86
		For >3 To 9, Deduct	*-83.63*	
		For >9, Deduct	*-172.84*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,882.89	128.10
		For >3 To 9, Deduct	*-122.00*	
		For >9, Deduct	*-252.14*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,223.98	128.10
		For >3 To 9, Deduct	*-147.58*	
		For >9, Deduct	*-305.01*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,538.82	128.10
		For >3 To 9, Deduct	*-171.20*	
		For >9, Deduct	*-353.81*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,827.43	128.10
		For >3 To 9, Deduct	*-192.84*	
		For >9, Deduct	*-398.54*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,089.80	128.10
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,325.93	128.10
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,192.28	179.34
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,428.41	179.34
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,638.30	179.34
		For >3 To 9, Deduct	*-245.97*	
		For >9, Deduct	*-508.34*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,821.96	179.34
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,979.39	179.34
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	4,110.57	179.34
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,898.81	217.76
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	4,056.24	217.76
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,187.42	217.76
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,292.37	217.76
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,371.08	217.76
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,423.55	217.76
		For >3 To 9, Deduct	*-299.10*	
		For >9, Deduct	*-618.14*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,449.79	217.76
		For >3 To 9, Deduct	*-301.07*	
		For >9, Deduct	*-622.21*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,476.03	217.76
		For >3 To 9, Deduct	*-303.04*	
		For >9, Deduct	*-626.28*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,975.95	102.48
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	2,015.30	102.48
		For >3 To 9, Deduct	*-135.78*	
		For >9, Deduct	*-280.60*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,462.73	128.10
		For >3 To 9, Deduct	*-165.49*	
		For >9, Deduct	*-342.01*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,900.89	128.10
		For >3 To 9, Deduct	*-198.35*	
		For >9, Deduct	*-409.93*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,089.80	128.10
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,134.95	217.76
		For >3 To 9, Deduct	*-277.46*	
		For >9, Deduct	*-573.41*	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	26.29
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	46.79
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	80.45

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	110.51
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	149.06
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	190.88
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	246.67

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.32
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	24.25	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	37.73	

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	12.13	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	11.12	

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.64	

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	13.34	
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	19.00	
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	22.47	
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	42.38	
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	58.65	

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	82.24	
		For >25 To 50, Deduct	*-8.22*	
		For >50, Deduct	*-12.34*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	111.27	
		For >25 To 50, Deduct	*-11.13*	
		For >50, Deduct	*-16.69*	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	188.67	
		For >25 To 50, Deduct	*-18.87*	
		For >50, Deduct	*-28.30*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	290.26	
		For >25 To 50, Deduct	*-29.03*	
		For >50, Deduct	*-43.54*	

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-1007 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	324.29	
		For >5 To 10, Deduct	*-16.21*	
		For >10 To 20, Deduct	*-32.43*	
		For >20, Deduct	*-48.64*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	444.74	
		For >5 To 10, Deduct	*-22.24*	
		For >10 To 20, Deduct	*-44.47*	
		For >20, Deduct	*-66.71*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	720.65	
		For >5 To 10, Deduct	*-36.03*	
		For >10 To 20, Deduct	*-72.07*	
		For >20, Deduct	*-108.10*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,197.38	
		For >5 To 10, Deduct	*-59.87*	
		For >10 To 20, Deduct	*-119.74*	
		For >20, Deduct	*-179.61*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,945.74	
		For >5 To 10, Deduct	*-97.29*	
		For >10 To 20, Deduct	*-194.57*	
		For >20, Deduct	*-291.86*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,510.63	
		For >5 To 10, Deduct	*-125.53*	
		For >10 To 20, Deduct	*-251.06*	
		For >20, Deduct	*-376.59*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,242.90	
		For >5 To 10, Deduct	*-162.15*	
		For >10 To 20, Deduct	*-324.29*	
		For >20, Deduct	*-486.44*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,891.48	
		For >5 To 10, Deduct	*-194.57*	
		For >10 To 20, Deduct	*-389.15*	
		For >20, Deduct	*-583.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,422.14	
		For >5 To 10, Deduct	*-221.11*	
		For >10 To 20, Deduct	*-442.21*	
		For >20, Deduct	*-663.32*	

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method		1,137.92	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method		568.97	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization		0.42	
		For >250 To 500, Deduct		*-0.02*	
		For >500 To 1,000, Deduct		*-0.04*	
		For >1,000 To 2,000, Deduct		*-0.06*	
		For >2,000 To 5,000, Deduct		*-0.08*	
		For >5,000, Deduct		*-0.11*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization		0.66	
		For >250 To 500, Deduct		*-0.03*	
		For >500 To 1,000, Deduct		*-0.07*	
		For >1,000 To 2,000, Deduct		*-0.10*	
		For >2,000 To 5,000, Deduct		*-0.13*	
		For >5,000, Deduct		*-0.17*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization		0.85	
		For >250 To 500, Deduct		*-0.04*	
		For >500 To 1,000, Deduct		*-0.09*	
		For >1,000 To 2,000, Deduct		*-0.13*	
		For >2,000 To 5,000, Deduct		*-0.17*	
		For >5,000, Deduct		*-0.21*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization		1.00	
		For >250 To 500, Deduct		*-0.05*	
		For >500 To 1,000, Deduct		*-0.10*	
		For >1,000 To 2,000, Deduct		*-0.15*	
		For >2,000 To 5,000, Deduct		*-0.20*	
		For >5,000, Deduct		*-0.25*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization		1.32	
		For >250 To 500, Deduct		*-0.07*	
		For >500 To 1,000, Deduct		*-0.13*	
		For >1,000 To 2,000, Deduct		*-0.20*	
		For >2,000 To 5,000, Deduct		*-0.26*	
		For >5,000, Deduct		*-0.33*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization		1.48	
		For >250 To 500, Deduct		*-0.07*	
		For >500 To 1,000, Deduct		*-0.15*	
		For >1,000 To 2,000, Deduct		*-0.22*	
		For >2,000 To 5,000, Deduct		*-0.30*	
		For >5,000, Deduct		*-0.37*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization		1.71	
		For >250 To 500, Deduct		*-0.09*	
		For >500 To 1,000, Deduct		*-0.17*	
		For >1,000 To 2,000, Deduct		*-0.26*	
		For >2,000 To 5,000, Deduct		*-0.34*	
		For >5,000, Deduct		*-0.43*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization		2.01	
		For >250 To 500, Deduct		*-0.10*	
		For >500 To 1,000, Deduct		*-0.20*	
		For >1,000 To 2,000, Deduct		*-0.30*	
		For >2,000 To 5,000, Deduct		*-0.40*	
		For >5,000, Deduct		*-0.50*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization		2.59	
		For >250 To 500, Deduct		*-0.13*	
		For >500 To 1,000, Deduct		*-0.26*	
		For >1,000 To 2,000, Deduct		*-0.39*	
		For >2,000 To 5,000, Deduct		*-0.52*	
		For >5,000, Deduct		*-0.65*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization		3.79	
		For >250 To 500, Deduct		*-0.19*	
		For >500 To 1,000, Deduct		*-0.38*	
		For >1,000 To 2,000, Deduct		*-0.57*	
		For >2,000 To 5,000, Deduct		*-0.76*	
		For >5,000, Deduct		*-0.95*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization		5.25	
		For >250 To 500, Deduct		*-0.26*	
		For >500 To 1,000, Deduct		*-0.53*	
		For >1,000 To 2,000, Deduct		*-0.79*	
		For >2,000 To 5,000, Deduct		*-1.05*	
		For >5,000, Deduct		*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.

33 01 10 71-0002 Set-Up And Reinsertion For Relining Underground Water Pipelines *(33 01 10 71-0001)*

33 01 10 71-0003	EA	Initial Set-up And Final Equipment Removal For Relining Underground Water Pipelines	6,097.28
33 01 10 71-0004	EA	Move And Set-up At Different Access/Location	2,438.91

33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	71.23
		For 3/16" Thickness, Add	*1.29*
		For 1/4" Thickness, Add	*2.58*
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	63.48
		For 3/16" Thickness, Add	*1.29*
		For 1/4" Thickness, Add	*2.58*
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	53.09
		For 3/16" Thickness, Add	*1.29*
		For 1/4" Thickness, Add	*2.58*
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	40.05
		For 3/16" Thickness, Add	*1.29*
		For 1/4" Thickness, Add	*2.58*
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	74.28
		For 3/16" Thickness, Add	*1.93*
		For 1/4" Thickness, Add	*3.85*
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	66.23
		For 3/16" Thickness, Add	*1.93*
		For 1/4" Thickness, Add	*3.85*
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	55.48
		For 3/16" Thickness, Add	*1.93*
		For 1/4" Thickness, Add	*3.85*
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	42.27
		For 3/16" Thickness, Add	*1.93*
		For 1/4" Thickness, Add	*3.85*
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	77.22
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	68.99
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	57.89
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	44.49
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	79.52
		For 3/16" Thickness, Add	*3.22*
		For 1/4" Thickness, Add	*6.43*
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	71.17
		For 3/16" Thickness, Add	*3.22*
		For 1/4" Thickness, Add	*6.43*
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	59.90
		For 3/16" Thickness, Add	*3.22*
		For 1/4" Thickness, Add	*6.43*
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	46.75
		For 3/16" Thickness, Add	*3.22*
		For 1/4" Thickness, Add	*6.43*
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	86.08
		For 3/16" Thickness, Add	*3.86*
		For 1/4" Thickness, Add	*7.71*
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	77.20
		For 3/16" Thickness, Add	*3.86*
		For 1/4" Thickness, Add	*7.71*
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	65.22
		For 3/16" Thickness, Add	*3.86*
		For 1/4" Thickness, Add	*7.71*
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	50.99
		For 3/16" Thickness, Add	*3.86*
		For 1/4" Thickness, Add	*7.71*
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	93.61
		For 1/4" Thickness, Add	*4.29*
		For 5/16" Thickness, Add	*8.57*
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	84.39
		For 1/4" Thickness, Add	*4.29*
		For 5/16" Thickness, Add	*8.57*
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	71.90
		For 1/4" Thickness, Add	*4.29*
		For 5/16" Thickness, Add	*8.57*
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	58.27
		For 1/4" Thickness, Add	*4.29*
		For 5/16" Thickness, Add	*8.57*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	98.52	
		For 1/4" Thickness, Add	*5.14*	
		For 5/16" Thickness, Add	*10.27*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	89.03	
		For 1/4" Thickness, Add	*5.14*	
		For 5/16" Thickness, Add	*10.27*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	76.12	
		For 1/4" Thickness, Add	*5.14*	
		For 5/16" Thickness, Add	*10.27*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	63.19	
		For 1/4" Thickness, Add	*5.14*	
		For 5/16" Thickness, Add	*10.27*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	104.55	
		For 1/4" Thickness, Add	*6.00*	
		For 5/16" Thickness, Add	*11.99*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	94.72	
		For 1/4" Thickness, Add	*6.00*	
		For 5/16" Thickness, Add	*11.99*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	81.19	
		For 1/4" Thickness, Add	*6.00*	
		For 5/16" Thickness, Add	*11.99*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	69.09	
		For 1/4" Thickness, Add	*6.00*	
		For 5/16" Thickness, Add	*11.99*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	110.68	
		For 1/4" Thickness, Add	*6.85*	
		For 5/16" Thickness, Add	*13.71*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	100.44	
		For 1/4" Thickness, Add	*6.85*	
		For 5/16" Thickness, Add	*13.71*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	86.48	
		For 1/4" Thickness, Add	*6.85*	
		For 5/16" Thickness, Add	*13.71*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	75.22	
		For 1/4" Thickness, Add	*6.85*	
		For 5/16" Thickness, Add	*13.71*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	119.24	
		For 1/4" Thickness, Add	*8.56*	
		For 5/16" Thickness, Add	*17.13*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	108.41	
		For 1/4" Thickness, Add	*8.56*	
		For 5/16" Thickness, Add	*17.13*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	93.63	
		For 1/4" Thickness, Add	*8.56*	
		For 5/16" Thickness, Add	*17.13*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	82.24	
		For 1/4" Thickness, Add	*8.56*	
		For 5/16" Thickness, Add	*17.13*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	127.72	
		For 1/4" Thickness, Add	*10.28*	
		For 5/16" Thickness, Add	*20.57*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	116.42	
		For 1/4" Thickness, Add	*10.28*	
		For 5/16" Thickness, Add	*20.57*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	100.80	
		For 1/4" Thickness, Add	*10.28*	
		For 5/16" Thickness, Add	*20.57*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	89.31	
		For 1/4" Thickness, Add	*10.28*	
		For 5/16" Thickness, Add	*20.57*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	159.84	
		For 3/8" Thickness, Add	*26.98*	
		For 7/16" Thickness, Add	*40.47*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	147.52	
		For 3/8" Thickness, Add	*26.98*	
		For 7/16" Thickness, Add	*40.47*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	130.56	
		For 3/8" Thickness, Add	*26.98*	
		For 7/16" Thickness, Add	*40.47*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	118.70	
		For 3/8" Thickness, Add	*26.98*	
		For 7/16" Thickness, Add	*40.47*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	176.45	
		For 3/8" Thickness, Add	*30.84*	
		For 7/16" Thickness, Add	*46.25*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	163.27	
		For 3/8" Thickness, Add	*30.84*	
		For 7/16" Thickness, Add	*46.25*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	145.02	
		For 3/8" Thickness, Add	*30.84*	
		For 7/16" Thickness, Add	*46.25*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	132.93	
		For 3/8" Thickness, Add	*30.84*	
		For 7/16" Thickness, Add	*46.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	186.28	
		For 3/8" Thickness, Add	*34.69*	
		For 7/16" Thickness, Add	*52.03*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	172.82	
		For 3/8" Thickness, Add	*34.69*	
		For 7/16" Thickness, Add	*52.03*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	154.15	
		For 3/8" Thickness, Add	*34.69*	
		For 7/16" Thickness, Add	*52.03*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	142.53	
		For 3/8" Thickness, Add	*34.69*	
		For 7/16" Thickness, Add	*52.03*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	196.14	
		For 3/8" Thickness, Add	*38.55*	
		For 7/16" Thickness, Add	*57.83*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	182.45	
		For 3/8" Thickness, Add	*38.55*	
		For 7/16" Thickness, Add	*57.83*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	163.42	
		For 3/8" Thickness, Add	*38.55*	
		For 7/16" Thickness, Add	*57.83*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	152.15	
		For 3/8" Thickness, Add	*38.55*	
		For 7/16" Thickness, Add	*57.83*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	206.34	
		For 3/8" Thickness, Add	*42.41*	
		For 7/16" Thickness, Add	*63.61*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	192.36	
		For 3/8" Thickness, Add	*42.41*	
		For 7/16" Thickness, Add	*63.61*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	173.02	
		For 3/8" Thickness, Add	*42.41*	
		For 7/16" Thickness, Add	*63.61*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	162.59	
		For 3/8" Thickness, Add	*42.41*	
		For 7/16" Thickness, Add	*63.61*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	217.01	
		For 3/8" Thickness, Add	*46.26*	
		For 7/16" Thickness, Add	*69.38*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	202.78	
		For 3/8" Thickness, Add	*46.26*	
		For 7/16" Thickness, Add	*69.38*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	182.98	
		For 3/8" Thickness, Add	*46.26*	
		For 7/16" Thickness, Add	*69.38*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	173.14	
		For 3/8" Thickness, Add	*46.26*	
		For 7/16" Thickness, Add	*69.38*	

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*

Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	99.78
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	133.04
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	172.95
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	226.17
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	279.38
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	319.29

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Set-up For Video Camera *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set-up And Final Equipment Removal For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	1,059.09
33 01 30 11-0004	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	2,118.18
33 01 30 11-0005	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	3,177.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0006	EA	Move And Set-up At Different Access/Location For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	529.54	
33 01 30 11-0007	EA	Move And Set-up At Different Access/Location For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	1,059.09	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.68	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.94*	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.58	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.25*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.47	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-1.56*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	5.97	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.09*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	8.39	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000 To 5,000, Deduct	*-2.10*	
		For >5,000, Deduct	*-2.94*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	11.19	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-3.92*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase	15.80	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000 To 5,000, Deduct	*-3.95*	
		For >5,000, Deduct	*-5.53*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase	22.38	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 5,000, Deduct	*-5.60*	
		For >5,000, Deduct	*-7.83*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.97	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.39*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	5.29	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-1.85*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	6.62	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.32*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	8.83	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-3.09*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	12.41	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 5,000, Deduct	*-3.10*	
		For >5,000, Deduct	*-4.34*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	16.55	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 5,000, Deduct	*-4.14*	
		For >5,000, Deduct	*-5.79*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	23.36	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 5,000, Deduct	*-5.84*	
		For >5,000, Deduct	*-8.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	33.10	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 5,000, Deduct	*-8.28*	
		For >5,000, Deduct	*-11.59*	
33 01 30 11-0026		**Video Camera Post-Rehab For Pipe Interior And Culverts** *(33 01 30 11-0001)*		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.84	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.99*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.78	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.32*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.73	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.66*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.31	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-2.21*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.87	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000 To 5,000, Deduct	*-2.22*	
		For >5,000, Deduct	*-3.10*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	11.82	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 5,000, Deduct	*-2.96*	
		For >5,000, Deduct	*-4.14*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	16.69	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000 To 5,000, Deduct	*-4.17*	
		For >5,000, Deduct	*-5.84*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	23.64	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000 To 5,000, Deduct	*-5.91*	
		For >5,000, Deduct	*-8.27*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	468.28
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	549.76
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	687.16

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Set-up For Pipe Bursting Equipment *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	8,144.22
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	12,216.33
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	20,360.56
33 01 30 23-0011	EA	Move And Set-up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	3,054.08
33 01 30 23-0012	EA	Move And Set-up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,581.12
33 01 30 23-0013	EA	Move And Set-up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	7,635.21
33 01 30 23-0014	EA	Move And Set-up Pipe Bursting Equipment For Laterals	2,036.06

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	28.75	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.31*	
		For >150 To 200, Add	*1.39*	
		For >100 To 150, Add	*2.78*	
		For >75 To 100, Add	*4.16*	
		For >50 To 75, Add	*5.55*	
		For >25 To 50, Add	*7.40*	
		For Up To 25, Add	*10.18*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.31*	
		For Bursting Ductile Iron Pipe, Add	*7.64*	
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	33.19	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.87*	
		For >150 To 200, Add	*1.72*	
		For >100 To 150, Add	*3.44*	
		For >75 To 100, Add	*5.16*	
		For >50 To 75, Add	*6.89*	
		For >25 To 50, Add	*9.18*	
		For Up To 25, Add	*12.62*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.87*	
		For Bursting Ductile Iron Pipe, Add	*9.11*	
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	37.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.39*	
		For >150 To 200, Add	*2.03*	
		For >100 To 150, Add	*4.07*	
		For >75 To 100, Add	*6.10*	
		For >50 To 75, Add	*8.14*	
		For >25 To 50, Add	*10.85*	
		For Up To 25, Add	*14.92*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.39*	
		For Bursting Ductile Iron Pipe, Add	*10.49*	
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	42.75	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.06*	
		For >150 To 200, Add	*2.44*	
		For >100 To 150, Add	*4.88*	
		For >75 To 100, Add	*7.31*	
		For >50 To 75, Add	*9.75*	
		For >25 To 50, Add	*13.00*	
		For Up To 25, Add	*17.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.06*	
		For Bursting Ductile Iron Pipe, Add	*12.26*	
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	48.95	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.84*	
		For >150 To 200, Add	*2.90*	
		For >100 To 150, Add	*5.81*	
		For >75 To 100, Add	*8.71*	
		For >50 To 75, Add	*11.61*	
		For >25 To 50, Add	*15.48*	
		For Up To 25, Add	*21.29*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.84*	
		For Bursting Ductile Iron Pipe, Add	*14.31*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	54.11	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.00*	
		For >150 To 200, Add	*3.00*	
		For >100 To 150, Add	*5.99*	
		For >75 To 100, Add	*8.99*	
		For >50 To 75, Add	*11.99*	
		For >25 To 50, Add	*15.98*	
		For Up To 25, Add	*21.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.00*	
		For Bursting Ductile Iron Pipe, Add	*15.31*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	60.34	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.77*	
		For >150 To 200, Add	*3.46*	
		For >100 To 150, Add	*6.93*	
		For >75 To 100, Add	*10.39*	
		For >50 To 75, Add	*13.86*	
		For >25 To 50, Add	*18.48*	
		For Up To 25, Add	*25.40*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.77*	
		For Bursting Ductile Iron Pipe, Add	*17.37*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	76.17	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.87*	
		For >150 To 200, Add	*4.12*	
		For >100 To 150, Add	*8.24*	
		For >75 To 100, Add	*12.36*	
		For >50 To 75, Add	*16.48*	
		For >25 To 50, Add	*21.98*	
		For Up To 25, Add	*30.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.87*	
		For Bursting Ductile Iron Pipe, Add	*21.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	93.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.08*	
		For >150 To 200, Add	*5.45*	
		For >100 To 150, Add	*10.89*	
		For >75 To 100, Add	*16.34*	
		For >50 To 75, Add	*21.78*	
		For >25 To 50, Add	*29.04*	
		For Up To 25, Add	*39.94*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.08*	
		For Bursting Ductile Iron Pipe, Add	*27.15*	
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	103.61	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.42*	
		For >150 To 200, Add	*5.65*	
		For >100 To 150, Add	*11.30*	
		For >75 To 100, Add	*16.95*	
		For >50 To 75, Add	*22.60*	
		For >25 To 50, Add	*30.13*	
		For Up To 25, Add	*41.43*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.42*	
		For Bursting Ductile Iron Pipe, Add	*29.10*	
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	133.90	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.20*	
		For >150 To 200, Add	*7.92*	
		For >100 To 150, Add	*15.84*	
		For >75 To 100, Add	*23.76*	
		For >50 To 75, Add	*31.68*	
		For >25 To 50, Add	*42.24*	
		For Up To 25, Add	*58.09*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.20*	
		For Bursting Ductile Iron Pipe, Add	*39.09*	

33 01 30 23-0027 Static Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	37.76	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.44*	
		For >150 To 200, Add	*2.06*	
		For >100 To 150, Add	*4.13*	
		For >75 To 100, Add	*6.19*	
		For >50 To 75, Add	*8.26*	
		For >25 To 50, Add	*11.01*	
		For Up To 25, Add	*15.14*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.44*	
		For Bursting Ductile Iron Pipe, Add	*10.62*	
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	42.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.00*	
		For >150 To 200, Add	*2.40*	
		For >100 To 150, Add	*4.80*	
		For >75 To 100, Add	*7.20*	
		For >50 To 75, Add	*9.60*	
		For >25 To 50, Add	*12.80*	
		For Up To 25, Add	*17.59*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.00*	
		For Bursting Ductile Iron Pipe, Add	*12.09*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	47.40	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.65*	
		For >150 To 200, Add	*2.79*	
		For >100 To 150, Add	*5.57*	
		For >75 To 100, Add	*8.36*	
		For >50 To 75, Add	*11.15*	
		For >25 To 50, Add	*14.86*	
		For Up To 25, Add	*20.44*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.65*	
		For Bursting Ductile Iron Pipe, Add	*13.80*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	54.13	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.49*	
		For >150 To 200, Add	*3.29*	
		For >100 To 150, Add	*6.58*	
		For >75 To 100, Add	*9.88*	
		For >50 To 75, Add	*13.17*	
		For >25 To 50, Add	*17.56*	
		For Up To 25, Add	*24.14*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.49*	
		For Bursting Ductile Iron Pipe, Add	*16.02*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	61.88	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.46*	
		For >150 To 200, Add	*3.87*	
		For >100 To 150, Add	*7.75*	
		For >75 To 100, Add	*11.62*	
		For >50 To 75, Add	*15.49*	
		For >25 To 50, Add	*20.66*	
		For Up To 25, Add	*28.40*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.46*	
		For Bursting Ductile Iron Pipe, Add	*18.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	70.90	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.09*	
		For >150 To 200, Add	*4.26*	
		For >100 To 150, Add	*8.51*	
		For >75 To 100, Add	*12.77*	
		For >50 To 75, Add	*17.03*	
		For >25 To 50, Add	*22.70*	
		For Up To 25, Add	*31.21*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.09*	
		For Bursting Ductile Iron Pipe, Add	*20.85*	
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	78.37	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.03*	
		For >150 To 200, Add	*4.82*	
		For >100 To 150, Add	*9.63*	
		For >75 To 100, Add	*14.45*	
		For >50 To 75, Add	*19.27*	
		For >25 To 50, Add	*25.69*	
		For Up To 25, Add	*35.32*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.03*	
		For Bursting Ductile Iron Pipe, Add	*23.32*	
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	98.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.61*	
		For >150 To 200, Add	*5.77*	
		For >100 To 150, Add	*11.53*	
		For >75 To 100, Add	*17.30*	
		For >50 To 75, Add	*23.07*	
		For >25 To 50, Add	*30.76*	
		For Up To 25, Add	*42.29*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.61*	
		For Bursting Ductile Iron Pipe, Add	*28.56*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	126.95	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.22*	
		For >150 To 200, Add	*7.93*	
		For >100 To 150, Add	*15.86*	
		For >75 To 100, Add	*23.79*	
		For >50 To 75, Add	*31.72*	
		For >25 To 50, Add	*42.29*	
		For Up To 25, Add	*58.15*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.22*	
		For Bursting Ductile Iron Pipe, Add	*38.07*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	154.62	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*15.79*	
		For >150 To 200, Add	*9.47*	
		For >100 To 150, Add	*18.95*	
		For >75 To 100, Add	*28.42*	
		For >50 To 75, Add	*37.90*	
		For >25 To 50, Add	*50.53*	
		For Up To 25, Add	*69.48*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*15.79*	
		For Bursting Ductile Iron Pipe, Add	*45.93*	
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	186.65	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*19.80*	
		For >150 To 200, Add	*11.88*	
		For >100 To 150, Add	*23.75*	
		For >75 To 100, Add	*35.63*	
		For >50 To 75, Add	*47.51*	
		For >25 To 50, Add	*63.34*	
		For Up To 25, Add	*87.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*19.80*	
		For Bursting Ductile Iron Pipe, Add	*56.50*	
33 01 30 23-0039		Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*		
33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	32.87	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.83*	
		For >150 To 200, Add	*1.70*	
		For >100 To 150, Add	*3.39*	
		For >75 To 100, Add	*5.09*	
		For >50 To 75, Add	*6.79*	
		For >25 To 50, Add	*9.05*	
		For Up To 25, Add	*12.45*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.83*	
		For Bursting Ductile Iron Pipe, Add	*9.00*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	36.83	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.32*	
		For >150 To 200, Add	*1.99*	
		For >100 To 150, Add	*3.99*	
		For >75 To 100, Add	*5.98*	
		For >50 To 75, Add	*7.98*	
		For >25 To 50, Add	*10.64*	
		For Up To 25, Add	*14.62*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.32*	
		For Bursting Ductile Iron Pipe, Add	*10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	41.38	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.89*	
		For >150 To 200, Add	*2.34*	
		For >100 To 150, Add	*4.67*	
		For >75 To 100, Add	*7.01*	
		For >50 To 75, Add	*9.34*	
		For >25 To 50, Add	*12.46*	
		For Up To 25, Add	*17.13*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.89*	
		For Bursting Ductile Iron Pipe, Add	*11.81*	
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	47.30	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.63*	
		For >150 To 200, Add	*2.78*	
		For >100 To 150, Add	*5.56*	
		For >75 To 100, Add	*8.34*	
		For >50 To 75, Add	*11.12*	
		For >25 To 50, Add	*14.82*	
		For Up To 25, Add	*20.38*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.63*	
		For Bursting Ductile Iron Pipe, Add	*13.77*	
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	54.13	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.49*	
		For >150 To 200, Add	*3.29*	
		For >100 To 150, Add	*6.58*	
		For >75 To 100, Add	*9.88*	
		For >50 To 75, Add	*13.17*	
		For >25 To 50, Add	*17.56*	
		For Up To 25, Add	*24.14*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.49*	
		For Bursting Ductile Iron Pipe, Add	*16.02*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	61.83	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.96*	
		For >150 To 200, Add	*3.58*	
		For >100 To 150, Add	*7.15*	
		For >75 To 100, Add	*10.73*	
		For >50 To 75, Add	*14.30*	
		For >25 To 50, Add	*19.07*	
		For Up To 25, Add	*26.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.96*	
		For Bursting Ductile Iron Pipe, Add	*17.86*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	69.17	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.88*	
		For >150 To 200, Add	*4.13*	
		For >100 To 150, Add	*8.25*	
		For >75 To 100, Add	*12.38*	
		For >50 To 75, Add	*16.51*	
		For >25 To 50, Add	*22.01*	
		For Up To 25, Add	*30.26*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.88*	
		For Bursting Ductile Iron Pipe, Add	*20.28*	
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	87.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.24*	
		For >150 To 200, Add	*4.94*	
		For >100 To 150, Add	*9.88*	
		For >75 To 100, Add	*14.83*	
		For >50 To 75, Add	*19.77*	
		For >25 To 50, Add	*26.36*	
		For Up To 25, Add	*36.24*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.24*	
		For Bursting Ductile Iron Pipe, Add	*24.93*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	113.60	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*11.55*	
		For >150 To 200, Add	*6.93*	
		For >100 To 150, Add	*13.86*	
		For >75 To 100, Add	*20.78*	
		For >50 To 75, Add	*27.71*	
		For >25 To 50, Add	*36.95*	
		For Up To 25, Add	*50.80*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*11.55*	
		For Bursting Ductile Iron Pipe, Add	*33.67*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	139.65	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.92*	
		For >150 To 200, Add	*8.35*	
		For >100 To 150, Add	*16.70*	
		For >75 To 100, Add	*25.06*	
		For >50 To 75, Add	*33.41*	
		For >25 To 50, Add	*44.54*	
		For Up To 25, Add	*61.25*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.92*	
		For Bursting Ductile Iron Pipe, Add	*40.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	170.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*17.73*	
		For >150 To 200, Add	*10.64*	
		For >100 To 150, Add	*21.27*	
		For >75 To 100, Add	*31.91*	
		For >50 To 75, Add	*42.55*	
		For >25 To 50, Add	*56.73*	
		For Up To 25, Add	*78.01*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*17.73*	
		For Bursting Ductile Iron Pipe, Add	*51.05*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*

Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	147.26	
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	168.96	
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	201.51	

33 01 30 23-0056 High-Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0051)*

Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.

33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.74	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.52*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.42*	
		For White Interior Pipe, Add	*0.96*	
		For Gray Interior Pipe, Add	*0.73*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.29	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.79*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.15*	
		For White Interior Pipe, Add	*1.45*	
		For Gray Interior Pipe, Add	*1.10*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.22	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.13*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.07*	
		For White Interior Pipe, Add	*2.07*	
		For Gray Interior Pipe, Add	*1.57*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	9.24	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.31*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.55*	
		For White Interior Pipe, Add	*2.40*	
		For Gray Interior Pipe, Add	*1.82*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	12.64	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.91*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*5.19*	
		For White Interior Pipe, Add	*3.50*	
		For Gray Interior Pipe, Add	*2.65*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	18.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.97*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.06*	
		For White Interior Pipe, Add	*5.44*	
		For Gray Interior Pipe, Add	*4.12*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	25.35	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.18*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.34*	
		For White Interior Pipe, Add	*7.66*	
		For Gray Interior Pipe, Add	*5.80*	
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.73	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.59*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.48*	
		For White Interior Pipe, Add	*8.42*	
		For Gray Interior Pipe, Add	*6.38*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	30.26	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.04*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*13.68*	
		For White Interior Pipe, Add	*9.23*	
		For Gray Interior Pipe, Add	*7.00*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	38.95	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.58*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*17.86*	
		For White Interior Pipe, Add	*12.05*	
		For Gray Interior Pipe, Add	*9.13*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	48.86	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.33*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*22.63*	
		For White Interior Pipe, Add	*15.27*	
		For Gray Interior Pipe, Add	*11.57*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	59.87	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.28*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*27.92*	
		For White Interior Pipe, Add	*18.84*	
		For Gray Interior Pipe, Add	*14.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	72.07	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-12.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*33.79*	
		For White Interior Pipe, Add	*22.80*	
		For Gray Interior Pipe, Add	*17.27*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	85.48	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-14.81*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*40.22*	
		For White Interior Pipe, Add	*27.14*	
		For Gray Interior Pipe, Add	*20.56*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	99.99	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.36*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*47.17*	
		For White Interior Pipe, Add	*31.83*	
		For Gray Interior Pipe, Add	*24.12*	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	115.77	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.14*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*54.72*	
		For White Interior Pipe, Add	*36.93*	
		For Gray Interior Pipe, Add	*27.98*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	132.78	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.12*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*62.82*	
		For White Interior Pipe, Add	*42.40*	
		For Gray Interior Pipe, Add	*32.12*	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	150.97	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-26.30*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*71.46*	
		For White Interior Pipe, Add	*48.22*	
		For Gray Interior Pipe, Add	*36.53*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	185.85	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-32.46*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*88.18*	
		For White Interior Pipe, Add	*59.51*	
		For Gray Interior Pipe, Add	*45.08*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	191.43	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-33.29*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*90.45*	
		For White Interior Pipe, Add	*61.04*	
		For Gray Interior Pipe, Add	*46.24*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,396.93	
		For No Excavation, Deduct	*-920.05*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,568.73	
		For No Excavation, Deduct	*-1,035.06*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,655.87	
		For No Excavation, Deduct	*-1,092.55*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,743.02	
		For No Excavation, Deduct	*-1,150.05*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,877.72	
		For No Excavation, Deduct	*-1,207.56*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,760.54	
		For No Excavation, Deduct	*-1,150.05*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,850.20	
		For No Excavation, Deduct	*-1,207.56*	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,974.88	
		For No Excavation, Deduct	*-1,265.06*	
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,269.72	
		For No Excavation, Deduct	*-1,322.56*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,386.90	
		For No Excavation, Deduct	*-1,380.06*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,834.39	
		For No Excavation, Deduct	*-1,437.57*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,977.15	
		For No Excavation, Deduct	*-1,026.84*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-272.21*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,270.07	
		For No Excavation, Deduct	*-1,067.91*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-257.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,461.33	
		For No Excavation, Deduct	*-1,108.98*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-107.09*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,707.77	
		For No Excavation, Deduct	*-1,232.20*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-156.37*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,110.31	
		For No Excavation, Deduct	*-1,314.35*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*296.50*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,797.34	
		For No Excavation, Deduct	*-1,458.11*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*298.92*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,744.10	
		For No Excavation, Deduct	*-1,601.87*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*640.31*	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,254.81	
		For No Excavation, Deduct	*-1,807.23*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*423.16*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,657.12	
		For No Excavation, Deduct	*-2,135.82*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*553.49*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Set-up And Reinsertion For Hydro Jet *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, cleanup after use and return.

33 01 30 41-0004	EA	Initial Set-up And Final Equipment Removal For Up To 8" Jet Cleaning	1,561.23
33 01 30 41-0005	EA	Initial Set-up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,341.84
33 01 30 41-0006	EA	Initial Set-up And Final Equipment Removal For >12" To 30" Jet Cleaning	3,122.47
33 01 30 41-0007	EA	Initial Set-up And Final Equipment Removal For >30" Jet Cleaning	4,163.28
33 01 30 41-0008	EA	Move And Set-up At Different Access/Location For Up To 8" Jet Cleaning	390.31
33 01 30 41-0009	EA	Move And Set-up At Different Access/Location For >8" To 12" Jet Cleaning	585.46
33 01 30 41-0010	EA	Move And Set-up At Different Access/Location For >12" To 30" Jet Cleaning	780.62
33 01 30 41-0011	EA	Move And Set-up At Different Access/Location For >30" Jet Cleaning	975.77

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.20
		For >250 To 500, Deduct	*-0.21*
		For >500 To 1,000, Deduct	*-0.42*
		For >1,000 To 2,000, Deduct	*-0.63*
		For >2,000 To 5,000, Deduct	*-0.84*
		For >5,000, Deduct	*-1.05*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.15*
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.82
		For >250 To 500, Deduct	*-0.24*
		For >500 To 1,000, Deduct	*-0.48*
		For >1,000 To 2,000, Deduct	*-0.72*
		For >2,000 To 5,000, Deduct	*-0.96*
		For >5,000, Deduct	*-1.21*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.62*
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.66
		For >250 To 500, Deduct	*-0.28*
		For >500 To 1,000, Deduct	*-0.57*
		For >1,000 To 2,000, Deduct	*-0.85*
		For >2,000 To 5,000, Deduct	*-1.13*
		For >5,000, Deduct	*-1.42*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.25*
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.00
		For >250 To 500, Deduct	*-0.35*
		For >500 To 1,000, Deduct	*-0.70*
		For >1,000 To 2,000, Deduct	*-1.05*
		For >2,000 To 5,000, Deduct	*-1.40*
		For >5,000, Deduct	*-1.75*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.25*
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.93
		For >250 To 500, Deduct	*-0.40*
		For >500 To 1,000, Deduct	*-0.79*
		For >1,000 To 2,000, Deduct	*-1.19*
		For >2,000 To 5,000, Deduct	*-1.59*
		For >5,000, Deduct	*-1.98*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.95*
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.16
		For >250 To 500, Deduct	*-0.46*
		For >500 To 1,000, Deduct	*-0.92*
		For >1,000 To 2,000, Deduct	*-1.37*
		For >2,000 To 5,000, Deduct	*-1.83*
		For >5,000, Deduct	*-2.29*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.87*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.02	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000 To 2,000, Deduct	*-1.65*	
		For >2,000 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-2.76*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.27*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.51	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-1.88*	
		For >2,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.13*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*9.38*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.78	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.22*	
		For >2,000 To 5,000, Deduct	*-2.96*	
		For >5,000, Deduct	*-3.70*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*11.09*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	18.59	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000 To 2,000, Deduct	*-2.79*	
		For >2,000 To 5,000, Deduct	*-3.72*	
		For >5,000, Deduct	*-4.65*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.94*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	21.69	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-2.17*	
		For >1,000 To 2,000, Deduct	*-3.25*	
		For >2,000 To 5,000, Deduct	*-4.34*	
		For >5,000, Deduct	*-5.42*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*16.27*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.55	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.39*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.78	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.45*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.09	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.52*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.40	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.60*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.21	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.80*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	19.42	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000 To 2,000, Deduct	*-2.91*	
		For >2,000 To 5,000, Deduct	*-3.88*	
		For >5,000, Deduct	*-4.86*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set-up And Final Equipment Removal For Mechanical Cleaning	1,365.51	
33 01 30 41-0034	EA	Move And Set-up At Different Access/Location For Mechanical Cleaning	455.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.91	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-1.14*	
		For >2,000 To 5,000, Deduct	*-1.52*	
		For >5,000, Deduct	*-1.90*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	10.39	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.46*	
		For >2,000 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.44*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	12.17	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-1.71*	
		For >2,000 To 5,000, Deduct	*-2.28*	
		For >5,000, Deduct	*-2.85*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	14.08	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000 To 2,000, Deduct	*-1.97*	
		For >2,000 To 5,000, Deduct	*-2.63*	
		For >5,000, Deduct	*-3.28*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	15.33	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000 To 2,000, Deduct	*-2.13*	
		For >2,000 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-3.56*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	17.68	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000 To 5,000, Deduct	*-3.25*	
		For >5,000, Deduct	*-4.06*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	22.31	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000 To 2,000, Deduct	*-3.01*	
		For >2,000 To 5,000, Deduct	*-4.02*	
		For >5,000, Deduct	*-5.02*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	25.57	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,000, Deduct	*-3.36*	
		For >2,000 To 5,000, Deduct	*-4.48*	
		For >5,000, Deduct	*-5.60*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	29.73	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000 To 2,000, Deduct	*-3.86*	
		For >2,000 To 5,000, Deduct	*-5.15*	
		For >5,000, Deduct	*-6.44*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	38.91	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000 To 2,000, Deduct	*-5.12*	
		For >2,000 To 5,000, Deduct	*-6.83*	
		For >5,000, Deduct	*-8.54*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	44.29	
		For >250 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000 To 2,000, Deduct	*-5.69*	
		For >2,000 To 5,000, Deduct	*-7.59*	
		For >5,000, Deduct	*-9.48*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set-up And Final Equipment Removal For Auguring	1,365.51	
33 01 30 41-0048	EA	Move And Set-up At Different Location For Auguring	455.17	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.55	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.68*	
		For >2,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.14*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.89	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.88*	
		For >2,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.83	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.02*	
		For >2,000 To 5,000, Deduct	*-1.37*	
		For >5,000, Deduct	*-1.71*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.94	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.19*	
		For >2,000 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-1.99*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.53	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000 To 2,000, Deduct	*-1.28*	
		For >2,000 To 5,000, Deduct	*-1.71*	
		For >5,000, Deduct	*-2.13*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.75	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.46*	
		For >2,000 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.44*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.98	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000 To 2,000, Deduct	*-1.80*	
		For >2,000 To 5,000, Deduct	*-2.40*	
		For >5,000, Deduct	*-3.00*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	13.39	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.01*	
		For >2,000 To 5,000, Deduct	*-2.68*	
		For >5,000, Deduct	*-3.35*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	15.52	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,000, Deduct	*-2.33*	
		For >2,000 To 5,000, Deduct	*-3.10*	
		For >5,000, Deduct	*-3.88*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	21.33	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000 To 2,000, Deduct	*-3.20*	
		For >2,000 To 5,000, Deduct	*-4.27*	
		For >5,000, Deduct	*-5.33*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	22.76	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000 To 2,000, Deduct	*-3.41*	
		For >2,000 To 5,000, Deduct	*-4.55*	
		For >5,000, Deduct	*-5.69*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	59.28	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	118.57	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	23.71	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	26.09	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	29.64	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	34.39	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	40.32	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	47.42	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	55.73	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	64.03	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	74.69	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	88.92	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	296.42	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	960.63	
		For >10 To 100, Deduct	*-144.09*	
		For >100 To 250, Deduct	*-216.14*	
		For >250, Deduct	*-288.19*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,152.76	
		For >10 To 100, Deduct	*-172.91*	
		For >100 To 250, Deduct	*-259.37*	
		For >250, Deduct	*-345.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	576.38	
		For >10 To 100, Deduct	*-86.46*	
		For >100 To 250, Deduct	*-129.69*	
		For >250, Deduct	*-172.91*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	332.96	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	309.34	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	285.71	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	262.08	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	238.46	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	214.82	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	848.34	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	933.17	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	1,018.01	

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	134.41	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	189.39	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	218.17	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	248.19	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	144.85	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	201.18	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	230.07	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	265.37	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	155.36	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	209.09	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	241.20	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	280.42	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	174.82	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	230.25	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	279.07	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	336.13	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	437.66	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	543.71	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	662.73	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	205.40	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	271.97	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	322.33	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	378.11	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	519.94	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	631.92	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	754.69	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	270.89	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	351.14	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	423.66	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	506.10	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	668.10	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	799.06	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	947.19	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	315.53	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	422.14	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	497.70	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	609.91	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	797.04	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	909.68	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,166.24	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	359.62	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	468.31	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	565.13	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	694.27	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	889.90	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,047.63	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,327.41	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	781.04	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,103.81	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,484.49	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,177.69	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	819.85	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,155.56	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,550.48	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,283.09	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	841.54	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,184.02	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,592.21	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,342.67	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	864.44	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,216.51	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,633.35	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,402.65	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	885.19	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,244.64	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,674.46	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,457.42	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	904.71	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,273.09	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,710.98	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,493.47	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	926.84	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,306.47	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,749.59	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,569.27	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Compression Couplings And Fittings For Copper Pipe *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	91.65
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	106.67
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	125.40
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	141.08
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	217.43

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	109.88
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	128.00
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	258.88
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	103.59
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	93.01
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	108.87
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	134.49

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	201.17
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	156.76
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	186.18
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	153.85

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	94.99
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	76.58
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	87.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	106.62	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	127.12	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	138.87	
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	111.21	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	118.13	
33 01 30 51-0110		**Compression Couplings And Fittings For Steel Pipe, Cast Body** *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Compression Couplings For Steel Pipe, Cast Body** *(33 01 30 51-0110)*		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring	80.82	
33 01 30 51-0113	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring	81.01	
33 01 30 51-0114	EA	1" Cast Body, Compression Coupling, 5" Middle Ring	91.01	
33 01 30 51-0115	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring	101.10	
33 01 30 51-0116	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring	124.86	
33 01 30 51-0117	EA	2" Cast Body, Compression Coupling, 5" Middle Ring	152.05	
33 01 30 51-0118	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	83.20	
33 01 30 51-0119	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	83.63	
33 01 30 51-0120	EA	1" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	91.40	
33 01 30 51-0121	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	102.32	
33 01 30 51-0122	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	128.85	
33 01 30 51-0123	EA	2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	153.81	
33 01 30 51-0124	EA	3/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	162.58	
33 01 30 51-0125	EA	1" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	190.22	
33 01 30 51-0126	EA	1-1/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	197.22	
33 01 30 51-0127	EA	1-1/2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	220.77	
33 01 30 51-0128	EA	2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	268.81	
33 01 30 51-0129		**Compression Reducing Couplings For Steel Pipe** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Compression Reducing Coupling	88.94	
33 01 30 51-0131	EA	1" x 3/4" Compression Reducing Coupling	93.59	
33 01 30 51-0132	EA	1-1/4" x 3/4" Compression Reducing Coupling	105.44	
33 01 30 51-0133	EA	1-1/4" x 1" Compression Reducing Coupling	109.82	
33 01 30 51-0134	EA	1-1/2" x 3/4" Compression Reducing Coupling	216.39	
33 01 30 51-0135	EA	1-1/2" x 1" Compression Reducing Coupling	131.66	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Compression Reducing Coupling	132.28	
33 01 30 51-0137	EA	2" x 3/4" Compression Reducing Coupling	258.38	
33 01 30 51-0138	EA	2" x 1" Compression Reducing Coupling	234.04	
33 01 30 51-0139	EA	2" x 1-1/4" Compression Reducing Coupling	176.12	
33 01 30 51-0140	EA	2" x 1-1/2" Compression Reducing Coupling	175.48	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" Compression 45 Degree Elbow	149.46	
33 01 30 51-0143	EA	1-1/4" Compression 45 Degree Elbow	155.09	
33 01 30 51-0144	EA	1-1/2" Compression 45 Degree Elbow	200.65	
33 01 30 51-0145	EA	2" Compression 45 Degree Elbow	253.83	
33 01 30 51-0146	EA	3/4" Compression 90 Degree Elbow	99.04	
33 01 30 51-0147	EA	1" Compression 90 Degree Elbow	102.04	
33 01 30 51-0148	EA	1-1/4" Compression 90 Degree Elbow	119.67	
33 01 30 51-0149	EA	1-1/2" Compression 90 Degree Elbow	171.93	
33 01 30 51-0150	EA	2" Compression 90 Degree Elbow	187.43	
33 01 30 51-0151	EA	3/4" Plain End Compression 90 Degree Street Elbow	99.37	
33 01 30 51-0152	EA	1" Plain End Compression 90 Degree Street Elbow	86.25	
33 01 30 51-0153	EA	1-1/4" Plain End Compression 90 Degree Street Elbow	97.34	
33 01 30 51-0154	EA	1-1/2" Plain End Compression 90 Degree Street Elbow	123.23	
33 01 30 51-0155	EA	2" Plain End Compression 90 Degree Street Elbow	159.88	
33 01 30 51-0156	EA	3/4" Threaded End Compression 90 Degree Street Elbow	102.80	
33 01 30 51-0157	EA	1" Threaded End Compression 90 Degree Street Elbow	92.68	
33 01 30 51-0158	EA	1-1/4" Threaded End Compression 90 Degree Street Elbow	121.20	
33 01 30 51-0159	EA	1-1/2" Threaded End Compression 90 Degree Street Elbow	146.00	
33 01 30 51-0160	EA	2" Threaded End Compression 90 Degree Street Elbow	208.58	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Compression Street Tee	107.15	
33 01 30 51-0163	EA	1" Compression Street Tee	126.18	
33 01 30 51-0164	EA	1-1/4" Compression Street Tee	126.49	
33 01 30 51-0165	EA	1-1/2" Compression Street Tee	145.20	
33 01 30 51-0166	EA	2" Compression Street Tee	223.18	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Compression Reducing Street Tee	125.25	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Compression Reducing Street Tee	131.47	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Compression Reducing Street Tee	164.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Compression Reducing Street Tee	192.79	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Compression Reducing Street Tee	194.03	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Compression Reducing Street Tee	162.04	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Compression Reducing Street Tee	217.11	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Compression Reducing Street Tee	248.33	
33 01 30 51-0175	EA	3/4" Welding Compression Street Tee	200.81	
33 01 30 51-0176	EA	1" Welding Compression Street Tee	200.32	
33 01 30 51-0177	EA	1-1/4" Welding Compression Street Tee	214.35	
33 01 30 51-0178	EA	1-1/2" Welding Compression Street Tee	257.58	
33 01 30 51-0179	EA	2" Welding Compression Street Tee	348.54	
33 01 30 51-0180	EA	3/4" Regular Compression Tee	146.33	
33 01 30 51-0181	EA	1" Regular Compression Tee	259.76	
33 01 30 51-0182	EA	1-1/4" Regular Compression Tee	273.67	
33 01 30 51-0183	EA	1-1/2" Regular Compression Tee	292.38	
33 01 30 51-0184	EA	2" Regular Compression Tee	323.25	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Compression Reducing Tee	318.25	

33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Compression Male Adapter	98.75	
33 01 30 51-0188	EA	1" Compression Male Adapter	109.83	
33 01 30 51-0189	EA	1-1/4" Compression Male Adapter	144.01	
33 01 30 51-0190	EA	1-1/2" Compression Male Adapter	161.95	
33 01 30 51-0191	EA	2" Compression Male Adapter	182.20	
33 01 30 51-0192	EA	1" x 1-1/4" Compression Male Adapter	143.21	

33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Compression Line Caps	53.21	
33 01 30 51-0195	EA	1" Compression Line Caps	61.94	
33 01 30 51-0196	EA	1-1/4" Compression Line Caps	70.83	
33 01 30 51-0197	EA	1-1/2" Compression Line Caps	83.13	
33 01 30 51-0198	EA	2" Compression Line Caps	102.80	

33 01 30 51-0199 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	78.84	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	97.28	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	111.43	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	132.46	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	163.81	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	218.69	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	205.03	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	267.38	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	275.64	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	283.91	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	308.92	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	322.95	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	340.53	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	400.77	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	406.31	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	426.48	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	426.61	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	441.59	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	460.73	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	497.52	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	519.67	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	537.85	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	614.35	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	718.90	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	698.40	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	920.02	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	1,064.99	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,275.38	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,403.71	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,515.50	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,904.16	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	2,003.56	

33 01 30 51-0232 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	81.21	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	96.95	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	111.29	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	131.36	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	195.34	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	191.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	193.17	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	283.91	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	292.17	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	300.44	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	331.44	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	316.88	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	324.54	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	429.78	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	433.83	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	621.30	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	435.48	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	456.99	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	465.29	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	545.60	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	553.76	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	566.92	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	634.18	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	739.56	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	719.07	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	940.23	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,085.66	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,306.37	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,445.04	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,556.83	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,945.48	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	2,044.88	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	95.90	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	111.91	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	128.83	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	154.15	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	195.34	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	232.24	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	244.51	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	283.91	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	292.17	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	300.44	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	331.44	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	360.91	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	372.10	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	429.78	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	433.83	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	481.15	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	435.48	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	456.99	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	465.29	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	545.60	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	553.76	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	566.92	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	634.18	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	739.56	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	719.07	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	940.23	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,085.66	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,275.38	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,445.04	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,556.83	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,945.48	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	2,044.88	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	163.75	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	176.23	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	183.06	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	282.74	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	305.34	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	316.85	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	363.56	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	360.96	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	402.23	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	413.43	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	562.14	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	577.00	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	597.20	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	607.05	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	616.49	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	764.36	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	824.67	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	839.95	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	839.75	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,071.01	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,116.43	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,293.18	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,626.26	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,585.53	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,769.64	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,918.62	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,086.20	

33 01 30 51-0326 Grind Offset Joint *(33 01 30 51-0001)*

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	509.00	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	678.67	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	848.34	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	1,018.01	

33 01 30 51-0331 Pipe Plugging *(33 01 30 51-0001)*

33 01 30 51-0332 Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)*

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	86.48	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	92.49	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	99.59	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	106.27	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	112.71	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	119.81	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	128.55	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	141.32	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	153.21	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	171.02	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	189.78	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	220.03	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	255.51	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	304.45	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	366.95	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	441.99	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	525.32	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	605.90	

33 01 30 51-0351 Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)*

Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.

33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,958.01	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,711.66	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,550.19	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,491.59	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	6,192.49	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	7,311.32	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	8,012.22	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	9,131.02	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	10,249.86	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	11,439.41	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	13,053.47	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,879.68	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	17,696.14	

33 01 30 51-0365 Aluminum Expansion Plugs *(33 01 30 51-0331)*

Note: For use with PVC, clay Or cast iron drainage pipe.

33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	83.19	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	119.78	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	135.00	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	205.11	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	210.78	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	263.70	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	356.67	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	576.11	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	623.97	

33 01 30 51-0375 Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)*

33 01 30 51-0376	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	188.75	
33 01 30 51-0377	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	189.34	
33 01 30 51-0378	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	190.83	
33 01 30 51-0379	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	192.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0380	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	193.06	
33 01 30 51-0381	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	195.29	
33 01 30 51-0382	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	197.52	
33 01 30 51-0383	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	200.50	
33 01 30 51-0384	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	346.71	
33 01 30 51-0385	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	356.38	
33 01 30 51-0386	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	363.08	
33 01 30 51-0387	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	433.73	
33 01 30 51-0388	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	442.65	
33 01 30 51-0389	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	448.60	
33 01 30 51-0390	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	457.53	
33 01 30 51-0391	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	466.45	
33 01 30 51-0392	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	478.35	
33 01 30 51-0393	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	499.18	
33 01 30 51-0394		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0395	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	382.27	
33 01 30 51-0396	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	431.69	

33 01 30 63 Sewer and Pipe Joint Sealing *(33 01 30)*

33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	118.11	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	137.79	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	157.48	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	196.86	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	236.22	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	275.59	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)* Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	353.10	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	392.47	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	469.99	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	528.43	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	586.88	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	694.22	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	801.57	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	908.93	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	1,055.64	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	1,202.35	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	1,388.45	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,603.15	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	195.62	

33 01 30 70 Rehabilitation of Sewer Utilities *(33 01 30)*

33 01 30 70-0001		Cementitious Pipe Coatings By Hand *(33 01 30 70)* Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	10.81	
33 01 30 70-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	16.32	

33 01 30 71 Relining Sewers *(33 01 30)*

33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)* Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Lining Pipe With Rib Loc *(33 01 30 71-0001)*		
33 01 30 71-0003	LF	Lining 6" Pipe With Rib Loc	52.73	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.60*	
		For >2,000 To 5,000, Deduct	*-4.01*	
		For >5,000, Deduct	*-5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0004	LF	Lining 8" Pipe With Rib Loc	58.67	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.88*	
		For >2,000 To 5,000, Deduct	*-4.43*	
		For >5,000, Deduct	*-6.63*	
33 01 30 71-0005	LF	Lining 10" Pipe With Rib Loc	81.51	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000 To 2,000, Deduct	*-3.84*	
		For >2,000 To 5,000, Deduct	*-5.89*	
		For >5,000, Deduct	*-8.98*	
33 01 30 71-0006	LF	Lining 12" Pipe With Rib Loc	103.92	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-4.80*	
		For >2,000 To 5,000, Deduct	*-7.33*	
		For >5,000, Deduct	*-11.31*	
33 01 30 71-0007	LF	Lining 15" Pipe With Rib Loc	138.54	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000 To 2,000, Deduct	*-6.27*	
		For >2,000 To 5,000, Deduct	*-9.56*	
		For >5,000, Deduct	*-14.89*	
33 01 30 71-0008	LF	Lining 18" Pipe With Rib Loc	178.90	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000 To 2,000, Deduct	*-7.98*	
		For >2,000 To 5,000, Deduct	*-12.14*	
		For >5,000, Deduct	*-19.06*	
33 01 30 71-0009	LF	Lining 21" Pipe With Rib Loc	224.90	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000 To 2,000, Deduct	*-9.89*	
		For >2,000 To 5,000, Deduct	*-15.02*	
		For >5,000, Deduct	*-23.76*	
33 01 30 71-0010	LF	Lining 24" Pipe With Rib Loc	278.51	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000 To 2,000, Deduct	*-12.11*	
		For >2,000 To 5,000, Deduct	*-18.37*	
		For >5,000, Deduct	*-29.24*	
33 01 30 71-0011	LF	Lining 27" Pipe With Rib Loc	333.78	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000 To 2,000, Deduct	*-14.42*	
		For >2,000 To 5,000, Deduct	*-21.86*	
		For >5,000, Deduct	*-34.90*	
33 01 30 71-0012	LF	Lining 30" Pipe With Rib Loc	396.13	
		For >500 To 1,000, Deduct	*-8.60*	
		For >1,000 To 2,000, Deduct	*-17.03*	
		For >2,000 To 5,000, Deduct	*-25.80*	
		For >5,000, Deduct	*-41.31*	
33 01 30 71-0013	LF	Lining 36" Pipe With Rib Loc	505.43	
		For >500 To 1,000, Deduct	*-10.87*	
		For >1,000 To 2,000, Deduct	*-21.55*	
		For >2,000 To 5,000, Deduct	*-32.61*	
		For >5,000, Deduct	*-52.45*	
33 01 30 71-0014	LF	Lining 42" Pipe With Rib Loc	629.66	
		For >500 To 1,000, Deduct	*-13.46*	
		For >1,000 To 2,000, Deduct	*-26.71*	
		For >2,000 To 5,000, Deduct	*-40.39*	
		For >5,000, Deduct	*-65.14*	
33 01 30 71-0015	LF	Lining 48" Pipe With Rib Loc	770.87	
		For >500 To 1,000, Deduct	*-16.43*	
		For >1,000 To 2,000, Deduct	*-32.61*	
		For >2,000 To 5,000, Deduct	*-49.30*	
		For >5,000, Deduct	*-79.63*	
33 01 30 71-0016	LF	Lining 54" Pipe With Rib Loc	911.54	
		For >500 To 1,000, Deduct	*-19.45*	
		For >1,000 To 2,000, Deduct	*-38.60*	
		For >2,000 To 5,000, Deduct	*-58.35*	
		For >5,000, Deduct	*-94.20*	
33 01 30 71-0017	LF	Lining 60" Pipe With Rib Loc	1,075.50	
		For >500 To 1,000, Deduct	*-23.17*	
		For >1,000 To 2,000, Deduct	*-45.93*	
		For >2,000 To 5,000, Deduct	*-69.52*	
		For >5,000, Deduct	*-111.71*	
33 01 30 71-0018	LF	Lining 66" Pipe With Rib Loc	1,276.81	
		For >500 To 1,000, Deduct	*-28.15*	
		For >1,000 To 2,000, Deduct	*-55.65*	
		For >2,000 To 5,000, Deduct	*-84.45*	
		For >5,000, Deduct	*-134.21*	
33 01 30 71-0019	LF	Lining 72" Pipe With Rib Loc	1,541.51	
		For >500 To 1,000, Deduct	*-35.40*	
		For >1,000 To 2,000, Deduct	*-69.66*	
		For >2,000 To 5,000, Deduct	*-106.21*	
		For >5,000, Deduct	*-165.58*	

33 01 30 71-0020 Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*
Note: Two part structural polyurethane.

33 01 30 71-0021 Mobilization And Set-up For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0022	EA	Initial Set-up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	2,009.66	

33 01 30 71-0023 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0024	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	63.20	
		For Up To 75, Add	*13.72*	
		For >75 To 150, Add	*6.32*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000 To 2,000, Deduct	*-3.29*	
		For >2,000 To 5,000, Deduct	*-5.09*	
		For >5,000, Deduct	*-7.40*	
33 01 30 71-0025	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	73.73	
		For Up To 75, Add	*16.01*	
		For >75 To 150, Add	*7.37*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000 To 5,000, Deduct	*-5.94*	
		For >5,000, Deduct	*-8.64*	
33 01 30 71-0026	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	84.27	
		For Up To 75, Add	*18.30*	
		For >75 To 150, Add	*8.43*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000 To 2,000, Deduct	*-4.38*	
		For >2,000 To 5,000, Deduct	*-6.79*	
		For >5,000, Deduct	*-9.87*	
33 01 30 71-0027	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	94.80	
		For Up To 75, Add	*20.59*	
		For >75 To 150, Add	*9.48*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000 To 2,000, Deduct	*-4.93*	
		For >2,000 To 5,000, Deduct	*-7.64*	
		For >5,000, Deduct	*-11.11*	
33 01 30 71-0028	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	105.33	
		For Up To 75, Add	*22.87*	
		For >75 To 150, Add	*10.53*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000 To 2,000, Deduct	*-5.48*	
		For >2,000 To 5,000, Deduct	*-8.49*	
		For >5,000, Deduct	*-12.34*	
33 01 30 71-0029	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	115.86	
		For Up To 75, Add	*25.16*	
		For >75 To 150, Add	*11.59*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000 To 2,000, Deduct	*-6.03*	
		For >2,000 To 5,000, Deduct	*-9.34*	
		For >5,000, Deduct	*-13.57*	
33 01 30 71-0030	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	126.39	
		For Up To 75, Add	*27.45*	
		For >75 To 150, Add	*12.64*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-6.57*	
		For >2,000 To 5,000, Deduct	*-10.18*	
		For >5,000, Deduct	*-14.81*	
33 01 30 71-0031	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	136.93	
		For Up To 75, Add	*29.73*	
		For >75 To 150, Add	*13.69*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000 To 2,000, Deduct	*-7.12*	
		For >2,000 To 5,000, Deduct	*-11.03*	
		For >5,000, Deduct	*-16.04*	
33 01 30 71-0032	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	147.47	
		For Up To 75, Add	*32.02*	
		For >75 To 150, Add	*14.75*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.67*	
		For >2,000 To 5,000, Deduct	*-11.88*	
		For >5,000, Deduct	*-17.28*	
33 01 30 71-0033	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	157.99	
		For Up To 75, Add	*34.31*	
		For >75 To 150, Add	*15.80*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000 To 2,000, Deduct	*-8.22*	
		For >2,000 To 5,000, Deduct	*-12.73*	
		For >5,000, Deduct	*-18.51*	
33 01 30 71-0034	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	168.53	
		For Up To 75, Add	*36.60*	
		For >75 To 150, Add	*16.85*	
		For >500 To 1,000, Deduct	*-4.53*	
		For >1,000 To 2,000, Deduct	*-8.76*	
		For >2,000 To 5,000, Deduct	*-13.58*	
		For >5,000, Deduct	*-19.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0035	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	179.06	
		For Up To 75, Add	*38.88*	
		For >75 To 150, Add	*17.91*	
		For >500 To 1,000, Deduct	*-4.81*	
		For >1,000 To 2,000, Deduct	*-9.31*	
		For >2,000 To 5,000, Deduct	*-14.43*	
		For >5,000, Deduct	*-20.98*	
33 01 30 71-0036	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	189.59	
		For Up To 75, Add	*41.17*	
		For >75 To 150, Add	*18.96*	
		For >500 To 1,000, Deduct	*-5.09*	
		For >1,000 To 2,000, Deduct	*-9.86*	
		For >2,000 To 5,000, Deduct	*-15.28*	
		For >5,000, Deduct	*-22.21*	
33 01 30 71-0037	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	200.13	
		For Up To 75, Add	*43.46*	
		For >75 To 150, Add	*20.01*	
		For >500 To 1,000, Deduct	*-5.38*	
		For >1,000 To 2,000, Deduct	*-10.41*	
		For >2,000 To 5,000, Deduct	*-16.13*	
		For >5,000, Deduct	*-23.45*	
33 01 30 71-0038	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	210.65	
		For Up To 75, Add	*45.74*	
		For >75 To 150, Add	*21.07*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000 To 2,000, Deduct	*-10.95*	
		For >2,000 To 5,000, Deduct	*-16.97*	
		For >5,000, Deduct	*-24.68*	
33 01 30 71-0039	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.72	

33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0041	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	85.14	
		For Up To 75, Add	*18.17*	
		For >75 To 150, Add	*8.51*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,000, Deduct	*-4.20*	
		For >2,000 To 5,000, Deduct	*-6.48*	
		For >5,000, Deduct	*-9.66*	
33 01 30 71-0042	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	99.31	
		For Up To 75, Add	*21.19*	
		For >75 To 150, Add	*9.93*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000 To 2,000, Deduct	*-4.90*	
		For >2,000 To 5,000, Deduct	*-7.56*	
		For >5,000, Deduct	*-11.26*	
33 01 30 71-0043	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	113.52	
		For Up To 75, Add	*24.23*	
		For >75 To 150, Add	*11.35*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000 To 2,000, Deduct	*-5.61*	
		For >2,000 To 5,000, Deduct	*-8.64*	
		For >5,000, Deduct	*-12.87*	
33 01 30 71-0044	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	127.71	
		For Up To 75, Add	*27.25*	
		For >75 To 150, Add	*12.77*	
		For >500 To 1,000, Deduct	*-3.24*	
		For >1,000 To 2,000, Deduct	*-6.31*	
		For >2,000 To 5,000, Deduct	*-9.72*	
		For >5,000, Deduct	*-14.48*	
33 01 30 71-0045	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	141.90	
		For Up To 75, Add	*30.28*	
		For >75 To 150, Add	*14.19*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000 To 2,000, Deduct	*-7.01*	
		For >2,000 To 5,000, Deduct	*-10.80*	
		For >5,000, Deduct	*-16.09*	
33 01 30 71-0046	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	156.08	
		For Up To 75, Add	*33.31*	
		For >75 To 150, Add	*15.61*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.71*	
		For >2,000 To 5,000, Deduct	*-11.87*	
		For >5,000, Deduct	*-17.70*	
33 01 30 71-0047	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	170.27	
		For Up To 75, Add	*36.34*	
		For >75 To 150, Add	*17.03*	
		For >500 To 1,000, Deduct	*-4.32*	
		For >1,000 To 2,000, Deduct	*-8.41*	
		For >2,000 To 5,000, Deduct	*-12.95*	
		For >5,000, Deduct	*-19.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0048	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	184.46	
		For Up To 75, Add	*39.36*	
		For >75 To 150, Add	*18.45*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000 To 2,000, Deduct	*-9.11*	
		For >2,000 To 5,000, Deduct	*-14.03*	
		For >5,000, Deduct	*-20.92*	
33 01 30 71-0049	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	198.66	
		For Up To 75, Add	*42.39*	
		For >75 To 150, Add	*19.87*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000 To 2,000, Deduct	*-9.81*	
		For >2,000 To 5,000, Deduct	*-15.11*	
		For >5,000, Deduct	*-22.53*	
33 01 30 71-0050	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	212.83	
		For Up To 75, Add	*45.42*	
		For >75 To 150, Add	*21.28*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000 To 2,000, Deduct	*-10.51*	
		For >2,000 To 5,000, Deduct	*-16.19*	
		For >5,000, Deduct	*-24.14*	
33 01 30 71-0051	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	227.03	
		For Up To 75, Add	*48.45*	
		For >75 To 150, Add	*22.70*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000 To 2,000, Deduct	*-11.21*	
		For >2,000 To 5,000, Deduct	*-17.27*	
		For >5,000, Deduct	*-25.75*	
33 01 30 71-0052	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	241.22	
		For Up To 75, Add	*51.48*	
		For >75 To 150, Add	*24.12*	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000 To 2,000, Deduct	*-11.91*	
		For >2,000 To 5,000, Deduct	*-18.35*	
		For >5,000, Deduct	*-27.35*	
33 01 30 71-0053	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	255.41	
		For Up To 75, Add	*54.51*	
		For >75 To 150, Add	*25.54*	
		For >500 To 1,000, Deduct	*-6.48*	
		For >1,000 To 2,000, Deduct	*-12.61*	
		For >2,000 To 5,000, Deduct	*-19.43*	
		For >5,000, Deduct	*-28.96*	
33 01 30 71-0054	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	269.59	
		For Up To 75, Add	*57.53*	
		For >75 To 150, Add	*26.96*	
		For >500 To 1,000, Deduct	*-6.84*	
		For >1,000 To 2,000, Deduct	*-13.31*	
		For >2,000 To 5,000, Deduct	*-20.51*	
		For >5,000, Deduct	*-30.57*	
33 01 30 71-0055	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	283.78	
		For Up To 75, Add	*60.56*	
		For >75 To 150, Add	*28.38*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-14.01*	
		For >2,000 To 5,000, Deduct	*-21.59*	
		For >5,000, Deduct	*-32.18*	
33 01 30 71-0056	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	9.03	

33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0058	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	107.05	
		For Up To 75, Add	*22.61*	
		For >75 To 150, Add	*10.71*	
		For >500 To 1,000, Deduct	*-2.62*	
		For >1,000 To 2,000, Deduct	*-5.12*	
		For >2,000 To 5,000, Deduct	*-7.86*	
		For >5,000, Deduct	*-11.91*	
33 01 30 71-0059	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	124.91	
		For Up To 75, Add	*26.38*	
		For >75 To 150, Add	*12.49*	
		For >500 To 1,000, Deduct	*-3.06*	
		For >1,000 To 2,000, Deduct	*-5.98*	
		For >2,000 To 5,000, Deduct	*-9.18*	
		For >5,000, Deduct	*-13.89*	
33 01 30 71-0060	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	142.75	
		For Up To 75, Add	*30.15*	
		For >75 To 150, Add	*14.28*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,000, Deduct	*-6.83*	
		For >2,000 To 5,000, Deduct	*-10.49*	
		For >5,000, Deduct	*-15.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0061	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	160.60	
		For Up To 75, Add	*33.92*	
		For >75 To 150, Add	*16.06*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000 To 2,000, Deduct	*-7.69*	
		For >2,000 To 5,000, Deduct	*-11.80*	
		For >5,000, Deduct	*-17.86*	
33 01 30 71-0062	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	178.43	
		For Up To 75, Add	*37.69*	
		For >75 To 150, Add	*17.84*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000 To 2,000, Deduct	*-8.54*	
		For >2,000 To 5,000, Deduct	*-13.11*	
		For >5,000, Deduct	*-19.84*	
33 01 30 71-0063	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	196.27	
		For Up To 75, Add	*41.46*	
		For >75 To 150, Add	*19.63*	
		For >500 To 1,000, Deduct	*-4.81*	
		For >1,000 To 2,000, Deduct	*-9.39*	
		For >2,000 To 5,000, Deduct	*-14.42*	
		For >5,000, Deduct	*-21.83*	
33 01 30 71-0064	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	214.12	
		For Up To 75, Add	*45.23*	
		For >75 To 150, Add	*21.41*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000 To 2,000, Deduct	*-10.25*	
		For >2,000 To 5,000, Deduct	*-15.73*	
		For >5,000, Deduct	*-23.81*	
33 01 30 71-0065	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	231.96	
		For Up To 75, Add	*48.99*	
		For >75 To 150, Add	*23.20*	
		For >500 To 1,000, Deduct	*-5.68*	
		For >1,000 To 2,000, Deduct	*-11.10*	
		For >2,000 To 5,000, Deduct	*-17.04*	
		For >5,000, Deduct	*-25.80*	
33 01 30 71-0066	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	249.80	
		For Up To 75, Add	*52.76*	
		For >75 To 150, Add	*24.98*	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000 To 2,000, Deduct	*-11.95*	
		For >2,000 To 5,000, Deduct	*-18.35*	
		For >5,000, Deduct	*-27.78*	
33 01 30 71-0067	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	267.64	
		For Up To 75, Add	*56.53*	
		For >75 To 150, Add	*26.76*	
		For >500 To 1,000, Deduct	*-6.55*	
		For >1,000 To 2,000, Deduct	*-12.81*	
		For >2,000 To 5,000, Deduct	*-19.66*	
		For >5,000, Deduct	*-29.77*	
33 01 30 71-0068	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	285.49	
		For Up To 75, Add	*60.30*	
		For >75 To 150, Add	*28.55*	
		For >500 To 1,000, Deduct	*-6.99*	
		For >1,000 To 2,000, Deduct	*-13.66*	
		For >2,000 To 5,000, Deduct	*-20.97*	
		For >5,000, Deduct	*-31.75*	
33 01 30 71-0069	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	303.32	
		For Up To 75, Add	*64.07*	
		For >75 To 150, Add	*30.33*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000 To 2,000, Deduct	*-14.51*	
		For >2,000 To 5,000, Deduct	*-22.28*	
		For >5,000, Deduct	*-33.73*	
33 01 30 71-0070	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	321.16	
		For Up To 75, Add	*67.83*	
		For >75 To 150, Add	*32.12*	
		For >500 To 1,000, Deduct	*-7.86*	
		For >1,000 To 2,000, Deduct	*-15.37*	
		For >2,000 To 5,000, Deduct	*-23.59*	
		For >5,000, Deduct	*-35.72*	
33 01 30 71-0071	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	339.01	
		For Up To 75, Add	*71.61*	
		For >75 To 150, Add	*33.90*	
		For >500 To 1,000, Deduct	*-8.30*	
		For >1,000 To 2,000, Deduct	*-16.22*	
		For >2,000 To 5,000, Deduct	*-24.90*	
		For >5,000, Deduct	*-37.70*	
33 01 30 71-0072	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	356.86	
		For Up To 75, Add	*75.38*	
		For >75 To 150, Add	*35.69*	
		For >500 To 1,000, Deduct	*-8.74*	
		For >1,000 To 2,000, Deduct	*-17.08*	
		For >2,000 To 5,000, Deduct	*-26.22*	
		For >5,000, Deduct	*-39.69*	
33 01 30 71-0073	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0074		Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0020)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0075	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	129.08	
		For Up To 75, Add	*27.08*	
		For >75 To 150, Add	*12.91*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000 To 2,000, Deduct	*-6.05*	
		For >2,000 To 5,000, Deduct	*-9.26*	
		For >5,000, Deduct	*-14.17*	
33 01 30 71-0076	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	150.60	
		For Up To 75, Add	*31.60*	
		For >75 To 150, Add	*15.06*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000 To 2,000, Deduct	*-7.06*	
		For >2,000 To 5,000, Deduct	*-10.81*	
		For >5,000, Deduct	*-16.54*	
33 01 30 71-0077	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	172.11	
		For Up To 75, Add	*36.11*	
		For >75 To 150, Add	*17.21*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000 To 2,000, Deduct	*-8.06*	
		For >2,000 To 5,000, Deduct	*-12.35*	
		For >5,000, Deduct	*-18.90*	
33 01 30 71-0078	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	193.62	
		For Up To 75, Add	*40.62*	
		For >75 To 150, Add	*19.36*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000 To 2,000, Deduct	*-9.07*	
		For >2,000 To 5,000, Deduct	*-13.89*	
		For >5,000, Deduct	*-21.26*	
33 01 30 71-0079	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	215.14	
		For Up To 75, Add	*45.14*	
		For >75 To 150, Add	*21.51*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000 To 2,000, Deduct	*-10.08*	
		For >2,000 To 5,000, Deduct	*-15.44*	
		For >5,000, Deduct	*-23.62*	
33 01 30 71-0080	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	236.64	
		For Up To 75, Add	*49.65*	
		For >75 To 150, Add	*23.66*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000 To 2,000, Deduct	*-11.09*	
		For >2,000 To 5,000, Deduct	*-16.98*	
		For >5,000, Deduct	*-25.98*	
33 01 30 71-0081	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	258.17	
		For Up To 75, Add	*54.16*	
		For >75 To 150, Add	*25.82*	
		For >500 To 1,000, Deduct	*-6.18*	
		For >1,000 To 2,000, Deduct	*-12.10*	
		For >2,000 To 5,000, Deduct	*-18.53*	
		For >5,000, Deduct	*-28.35*	
33 01 30 71-0082	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	279.68	
		For Up To 75, Add	*58.68*	
		For >75 To 150, Add	*27.97*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000 To 2,000, Deduct	*-13.10*	
		For >2,000 To 5,000, Deduct	*-20.07*	
		For >5,000, Deduct	*-30.71*	
33 01 30 71-0083	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	301.19	
		For Up To 75, Add	*63.19*	
		For >75 To 150, Add	*30.12*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-14.11*	
		For >2,000 To 5,000, Deduct	*-21.61*	
		For >5,000, Deduct	*-33.07*	
33 01 30 71-0084	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	322.70	
		For Up To 75, Add	*67.70*	
		For >75 To 150, Add	*32.27*	
		For >500 To 1,000, Deduct	*-7.72*	
		For >1,000 To 2,000, Deduct	*-15.12*	
		For >2,000 To 5,000, Deduct	*-23.15*	
		For >5,000, Deduct	*-35.43*	
33 01 30 71-0085	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	344.21	
		For Up To 75, Add	*72.21*	
		For >75 To 150, Add	*34.42*	
		For >500 To 1,000, Deduct	*-8.23*	
		For >1,000 To 2,000, Deduct	*-16.13*	
		For >2,000 To 5,000, Deduct	*-24.70*	
		For >5,000, Deduct	*-37.79*	
33 01 30 71-0086	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	365.72	
		For Up To 75, Add	*76.73*	
		For >75 To 150, Add	*36.57*	
		For >500 To 1,000, Deduct	*-8.75*	
		For >1,000 To 2,000, Deduct	*-17.14*	
		For >2,000 To 5,000, Deduct	*-26.24*	
		For >5,000, Deduct	*-40.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0087	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	387.24	
		For Up To 75, Add	*81.24*	
		For >75 To 150, Add	*38.72*	
		For >500 To 1,000, Deduct	*-9.26*	
		For >1,000 To 2,000, Deduct	*-18.14*	
		For >2,000 To 5,000, Deduct	*-27.79*	
		For >5,000, Deduct	*-42.52*	
33 01 30 71-0088	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	408.76	
		For Up To 75, Add	*85.76*	
		For >75 To 150, Add	*40.88*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000 To 2,000, Deduct	*-19.15*	
		For >2,000 To 5,000, Deduct	*-29.33*	
		For >5,000, Deduct	*-44.88*	
33 01 30 71-0089	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	430.28	
		For Up To 75, Add	*90.27*	
		For >75 To 150, Add	*43.03*	
		For >500 To 1,000, Deduct	*-10.29*	
		For >1,000 To 2,000, Deduct	*-20.16*	
		For >2,000 To 5,000, Deduct	*-30.87*	
		For >5,000, Deduct	*-47.24*	
33 01 30 71-0090	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.69	

33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0092	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	151.24	
		For Up To 75, Add	*31.58*	
		For >75 To 150, Add	*15.12*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000 To 2,000, Deduct	*-6.98*	
		For >2,000 To 5,000, Deduct	*-10.67*	
		For >5,000, Deduct	*-16.45*	
33 01 30 71-0093	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	176.46	
		For Up To 75, Add	*36.84*	
		For >75 To 150, Add	*17.65*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000 To 2,000, Deduct	*-8.15*	
		For >2,000 To 5,000, Deduct	*-12.45*	
		For >5,000, Deduct	*-19.20*	
33 01 30 71-0094	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	201.67	
		For Up To 75, Add	*42.11*	
		For >75 To 150, Add	*20.17*	
		For >500 To 1,000, Deduct	*-4.74*	
		For >1,000 To 2,000, Deduct	*-9.31*	
		For >2,000 To 5,000, Deduct	*-14.23*	
		For >5,000, Deduct	*-21.94*	
33 01 30 71-0095	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	226.87	
		For Up To 75, Add	*47.37*	
		For >75 To 150, Add	*22.69*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000 To 2,000, Deduct	*-10.47*	
		For >2,000 To 5,000, Deduct	*-16.01*	
		For >5,000, Deduct	*-24.68*	
33 01 30 71-0096	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	252.08	
		For Up To 75, Add	*52.63*	
		For >75 To 150, Add	*25.21*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000 To 2,000, Deduct	*-11.64*	
		For >2,000 To 5,000, Deduct	*-17.79*	
		For >5,000, Deduct	*-27.43*	
33 01 30 71-0097	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	277.30	
		For Up To 75, Add	*57.90*	
		For >75 To 150, Add	*27.73*	
		For >500 To 1,000, Deduct	*-6.52*	
		For >1,000 To 2,000, Deduct	*-12.80*	
		For >2,000 To 5,000, Deduct	*-19.57*	
		For >5,000, Deduct	*-30.17*	
33 01 30 71-0098	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	302.50	
		For Up To 75, Add	*63.16*	
		For >75 To 150, Add	*30.25*	
		For >500 To 1,000, Deduct	*-7.11*	
		For >1,000 To 2,000, Deduct	*-13.96*	
		For >2,000 To 5,000, Deduct	*-21.34*	
		For >5,000, Deduct	*-32.91*	
33 01 30 71-0099	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	327.71	
		For Up To 75, Add	*68.43*	
		For >75 To 150, Add	*32.77*	
		For >500 To 1,000, Deduct	*-7.71*	
		For >1,000 To 2,000, Deduct	*-15.13*	
		For >2,000 To 5,000, Deduct	*-23.12*	
		For >5,000, Deduct	*-35.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0100	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	352.90	
		For Up To 75, Add	*73.68*	
		For >75 To 150, Add	*35.29*	
		For >500 To 1,000, Deduct	*-8.30*	
		For >1,000 To 2,000, Deduct	*-16.29*	
		For >2,000 To 5,000, Deduct	*-24.90*	
		For >5,000, Deduct	*-38.39*	
33 01 30 71-0101	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	378.13	
		For Up To 75, Add	*78.95*	
		For >75 To 150, Add	*37.81*	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000 To 2,000, Deduct	*-17.45*	
		For >2,000 To 5,000, Deduct	*-26.68*	
		For >5,000, Deduct	*-41.14*	
33 01 30 71-0102	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	403.33	
		For Up To 75, Add	*84.21*	
		For >75 To 150, Add	*40.33*	
		For >500 To 1,000, Deduct	*-9.49*	
		For >1,000 To 2,000, Deduct	*-18.62*	
		For >2,000 To 5,000, Deduct	*-28.46*	
		For >5,000, Deduct	*-43.88*	
33 01 30 71-0103	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	428.54	
		For Up To 75, Add	*89.48*	
		For >75 To 150, Add	*42.85*	
		For >500 To 1,000, Deduct	*-10.08*	
		For >1,000 To 2,000, Deduct	*-19.78*	
		For >2,000 To 5,000, Deduct	*-30.24*	
		For >5,000, Deduct	*-46.62*	
33 01 30 71-0104	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	453.74	
		For Up To 75, Add	*94.74*	
		For >75 To 150, Add	*45.37*	
		For >500 To 1,000, Deduct	*-10.67*	
		For >1,000 To 2,000, Deduct	*-20.94*	
		For >2,000 To 5,000, Deduct	*-32.01*	
		For >5,000, Deduct	*-49.37*	
33 01 30 71-0105	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	478.97	
		For Up To 75, Add	*100.01*	
		For >75 To 150, Add	*47.90*	
		For >500 To 1,000, Deduct	*-11.27*	
		For >1,000 To 2,000, Deduct	*-22.11*	
		For >2,000 To 5,000, Deduct	*-33.80*	
		For >5,000, Deduct	*-52.11*	
33 01 30 71-0106	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	504.17	
		For Up To 75, Add	*105.27*	
		For >75 To 150, Add	*50.42*	
		For >500 To 1,000, Deduct	*-11.86*	
		For >1,000 To 2,000, Deduct	*-23.27*	
		For >2,000 To 5,000, Deduct	*-35.57*	
		For >5,000, Deduct	*-54.85*	
33 01 30 71-0107	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	16.04	

33 01 30 71-0108 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0109	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	195.65	
		For Up To 75, Add	*40.61*	
		For >75 To 150, Add	*19.57*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000 To 2,000, Deduct	*-8.86*	
		For >2,000 To 5,000, Deduct	*-13.51*	
		For >5,000, Deduct	*-21.04*	
33 01 30 71-0110	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	228.26	
		For Up To 75, Add	*47.38*	
		For >75 To 150, Add	*22.83*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000 To 2,000, Deduct	*-10.34*	
		For >2,000 To 5,000, Deduct	*-15.77*	
		For >5,000, Deduct	*-24.55*	
33 01 30 71-0111	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	260.86	
		For Up To 75, Add	*54.14*	
		For >75 To 150, Add	*26.09*	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,000, Deduct	*-11.81*	
		For >2,000 To 5,000, Deduct	*-18.02*	
		For >5,000, Deduct	*-28.06*	
33 01 30 71-0112	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	293.47	
		For Up To 75, Add	*60.91*	
		For >75 To 150, Add	*29.35*	
		For >500 To 1,000, Deduct	*-6.76*	
		For >1,000 To 2,000, Deduct	*-13.29*	
		For >2,000 To 5,000, Deduct	*-20.27*	
		For >5,000, Deduct	*-31.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0113	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	326.08	
		For Up To 75, Add	*67.68*	
		For >75 To 150, Add	*32.61*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000 To 2,000, Deduct	*-14.77*	
		For >2,000 To 5,000, Deduct	*-22.52*	
		For >5,000, Deduct	*-35.07*	
33 01 30 71-0114	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	358.69	
		For Up To 75, Add	*74.45*	
		For >75 To 150, Add	*35.87*	
		For >500 To 1,000, Deduct	*-8.26*	
		For >1,000 To 2,000, Deduct	*-16.25*	
		For >2,000 To 5,000, Deduct	*-24.77*	
		For >5,000, Deduct	*-38.58*	
33 01 30 71-0115	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	391.30	
		For Up To 75, Add	*81.22*	
		For >75 To 150, Add	*39.13*	
		For >500 To 1,000, Deduct	*-9.01*	
		For >1,000 To 2,000, Deduct	*-17.72*	
		For >2,000 To 5,000, Deduct	*-27.03*	
		For >5,000, Deduct	*-42.09*	
33 01 30 71-0116	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	423.90	
		For Up To 75, Add	*87.98*	
		For >75 To 150, Add	*42.39*	
		For >500 To 1,000, Deduct	*-9.76*	
		For >1,000 To 2,000, Deduct	*-19.20*	
		For >2,000 To 5,000, Deduct	*-29.28*	
		For >5,000, Deduct	*-45.59*	
33 01 30 71-0117	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	456.51	
		For Up To 75, Add	*94.75*	
		For >75 To 150, Add	*45.65*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000 To 2,000, Deduct	*-20.68*	
		For >2,000 To 5,000, Deduct	*-31.53*	
		For >5,000, Deduct	*-49.10*	
33 01 30 71-0118	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	489.13	
		For Up To 75, Add	*101.52*	
		For >75 To 150, Add	*48.91*	
		For >500 To 1,000, Deduct	*-11.26*	
		For >1,000 To 2,000, Deduct	*-22.15*	
		For >2,000 To 5,000, Deduct	*-33.78*	
		For >5,000, Deduct	*-52.61*	
33 01 30 71-0119	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	521.72	
		For Up To 75, Add	*108.29*	
		For >75 To 150, Add	*52.17*	
		For >500 To 1,000, Deduct	*-12.01*	
		For >1,000 To 2,000, Deduct	*-23.63*	
		For >2,000 To 5,000, Deduct	*-36.03*	
		For >5,000, Deduct	*-56.11*	
33 01 30 71-0120	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	554.34	
		For Up To 75, Add	*115.06*	
		For >75 To 150, Add	*55.43*	
		For >500 To 1,000, Deduct	*-12.76*	
		For >1,000 To 2,000, Deduct	*-25.11*	
		For >2,000 To 5,000, Deduct	*-38.29*	
		For >5,000, Deduct	*-59.62*	
33 01 30 71-0121	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	586.95	
		For Up To 75, Add	*121.83*	
		For >75 To 150, Add	*58.70*	
		For >500 To 1,000, Deduct	*-13.51*	
		For >1,000 To 2,000, Deduct	*-26.58*	
		For >2,000 To 5,000, Deduct	*-40.54*	
		For >5,000, Deduct	*-63.13*	
33 01 30 71-0122	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	619.56	
		For Up To 75, Add	*128.59*	
		For >75 To 150, Add	*61.96*	
		For >500 To 1,000, Deduct	*-14.26*	
		For >1,000 To 2,000, Deduct	*-28.06*	
		For >2,000 To 5,000, Deduct	*-42.79*	
		For >5,000, Deduct	*-66.64*	
33 01 30 71-0123	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	652.16	
		For Up To 75, Add	*135.36*	
		For >75 To 150, Add	*65.22*	
		For >500 To 1,000, Deduct	*-15.01*	
		For >1,000 To 2,000, Deduct	*-29.54*	
		For >2,000 To 5,000, Deduct	*-45.04*	
		For >5,000, Deduct	*-70.14*	
33 01 30 71-0124	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.76	

33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0126	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	240.45	
		For Up To 75, Add	*49.73*	
		For >75 To 150, Add	*24.05*	
		For >500 To 1,000, Deduct	*-5.47*	
		For >1,000 To 2,000, Deduct	*-10.77*	
		For >2,000 To 5,000, Deduct	*-16.40*	
		For >5,000, Deduct	*-25.69*	
33 01 30 71-0127	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	280.52	
		For Up To 75, Add	*58.02*	
		For >75 To 150, Add	*28.05*	
		For >500 To 1,000, Deduct	*-6.38*	
		For >1,000 To 2,000, Deduct	*-12.56*	
		For >2,000 To 5,000, Deduct	*-19.13*	
		For >5,000, Deduct	*-29.97*	
33 01 30 71-0128	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	320.60	
		For Up To 75, Add	*66.31*	
		For >75 To 150, Add	*32.06*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000 To 2,000, Deduct	*-14.36*	
		For >2,000 To 5,000, Deduct	*-21.86*	
		For >5,000, Deduct	*-34.25*	
33 01 30 71-0129	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	360.68	
		For Up To 75, Add	*74.60*	
		For >75 To 150, Add	*36.07*	
		For >500 To 1,000, Deduct	*-8.20*	
		For >1,000 To 2,000, Deduct	*-16.15*	
		For >2,000 To 5,000, Deduct	*-24.60*	
		For >5,000, Deduct	*-38.53*	
33 01 30 71-0130	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	400.76	
		For Up To 75, Add	*82.89*	
		For >75 To 150, Add	*40.08*	
		For >500 To 1,000, Deduct	*-9.11*	
		For >1,000 To 2,000, Deduct	*-17.95*	
		For >2,000 To 5,000, Deduct	*-27.33*	
		For >5,000, Deduct	*-42.81*	
33 01 30 71-0131	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	440.83	
		For Up To 75, Add	*91.18*	
		For >75 To 150, Add	*44.08*	
		For >500 To 1,000, Deduct	*-10.02*	
		For >1,000 To 2,000, Deduct	*-19.74*	
		For >2,000 To 5,000, Deduct	*-30.06*	
		For >5,000, Deduct	*-47.10*	
33 01 30 71-0132	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	480.91	
		For Up To 75, Add	*99.47*	
		For >75 To 150, Add	*48.09*	
		For >500 To 1,000, Deduct	*-10.93*	
		For >1,000 To 2,000, Deduct	*-21.54*	
		For >2,000 To 5,000, Deduct	*-32.80*	
		For >5,000, Deduct	*-51.38*	
33 01 30 71-0133	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	520.98	
		For Up To 75, Add	*107.76*	
		For >75 To 150, Add	*52.10*	
		For >500 To 1,000, Deduct	*-11.84*	
		For >1,000 To 2,000, Deduct	*-23.33*	
		For >2,000 To 5,000, Deduct	*-35.53*	
		For >5,000, Deduct	*-55.66*	
33 01 30 71-0134	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	561.05	
		For Up To 75, Add	*116.04*	
		For >75 To 150, Add	*56.11*	
		For >500 To 1,000, Deduct	*-12.75*	
		For >1,000 To 2,000, Deduct	*-25.13*	
		For >2,000 To 5,000, Deduct	*-38.26*	
		For >5,000, Deduct	*-59.94*	
33 01 30 71-0135	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	601.14	
		For Up To 75, Add	*124.34*	
		For >75 To 150, Add	*60.11*	
		For >500 To 1,000, Deduct	*-13.67*	
		For >1,000 To 2,000, Deduct	*-26.92*	
		For >2,000 To 5,000, Deduct	*-41.00*	
		For >5,000, Deduct	*-64.22*	
33 01 30 71-0136	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	641.21	
		For Up To 75, Add	*132.62*	
		For >75 To 150, Add	*64.12*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000 To 2,000, Deduct	*-28.72*	
		For >2,000 To 5,000, Deduct	*-43.73*	
		For >5,000, Deduct	*-68.50*	
33 01 30 71-0137	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	681.28	
		For Up To 75, Add	*140.91*	
		For >75 To 150, Add	*68.13*	
		For >500 To 1,000, Deduct	*-15.49*	
		For >1,000 To 2,000, Deduct	*-30.51*	
		For >2,000 To 5,000, Deduct	*-46.46*	
		For >5,000, Deduct	*-72.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0138	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	721.35	
		For Up To 75, Add	*149.20*	
		For >75 To 150, Add	*72.14*	
		For >500 To 1,000, Deduct	*-16.40*	
		For >1,000 To 2,000, Deduct	*-32.30*	
		For >2,000 To 5,000, Deduct	*-49.20*	
		For >5,000, Deduct	*-77.06*	
33 01 30 71-0139	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	761.43	
		For Up To 75, Add	*157.49*	
		For >75 To 150, Add	*76.14*	
		For >500 To 1,000, Deduct	*-17.31*	
		For >1,000 To 2,000, Deduct	*-34.10*	
		For >2,000 To 5,000, Deduct	*-51.93*	
		For >5,000, Deduct	*-81.35*	
33 01 30 71-0140	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	801.50	
		For Up To 75, Add	*165.78*	
		For >75 To 150, Add	*80.15*	
		For >500 To 1,000, Deduct	*-18.22*	
		For >1,000 To 2,000, Deduct	*-35.89*	
		For >2,000 To 5,000, Deduct	*-54.66*	
		For >5,000, Deduct	*-85.63*	
33 01 30 71-0141	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	25.51	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Set-Up And Reinsertion For Cured In-Place Pipe (CIPP) Lining *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set-up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,829.18
33 01 30 72-0004	EA	Initial Set-up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,048.64
33 01 30 72-0005	EA	Initial Set-up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,572.95
33 01 30 72-0006	EA	Initial Set-up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,097.28
33 01 30 72-0007	EA	Move And Set-up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	914.59
33 01 30 72-0008	EA	Move And Set-up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,524.31
33 01 30 72-0009	EA	Move And Set-up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,905.40
33 01 30 72-0010	EA	Move And Set-up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,438.91
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	1,524.31
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	3,658.36
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	6,097.28
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	9,145.91

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	26.99
		For Vinylester Resin, Add	*7.69*
		For Epoxy Resin, Add	*0.91*
		For Up To >10, Add	*53.52*
		For >10 To 25, Add	*42.77*
		For >25 To 50, Add	*26.21*
		For >50 To 100, Add	*13.11*
		For >500 To 1,000, Deduct	*-1.75*
		For >1,000 To 2,000, Deduct	*-2.82*
		For >2,000 To 5,000, Deduct	*-5.32*
		For >5,000, Deduct	*-8.60*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	33.02	
		For Vinylester Resin, Add	*11.91*	
		For Epoxy Resin, Add	*1.40*	
		For Up To >10, Add	*56.54*	
		For >10 To 25, Add	*44.28*	
		For >25 To 50, Add	*27.42*	
		For >50 To 100, Add	*13.71*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-3.28*	
		For >2,000 To 5,000, Deduct	*-6.04*	
		For >5,000, Deduct	*-9.81*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	39.04	
		For Vinylester Resin, Add	*16.12*	
		For Epoxy Resin, Add	*1.90*	
		For Up To >10, Add	*59.55*	
		For >10 To 25, Add	*45.78*	
		For >25 To 50, Add	*28.62*	
		For >50 To 100, Add	*14.31*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000 To 2,000, Deduct	*-3.73*	
		For >2,000 To 5,000, Deduct	*-6.77*	
		For >5,000, Deduct	*-11.01*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	52.61	
		For Vinylester Resin, Add	*24.56*	
		For Epoxy Resin, Add	*2.89*	
		For Up To >10, Add	*70.13*	
		For >10 To 25, Add	*52.60*	
		For >25 To 50, Add	*33.31*	
		For >50 To 100, Add	*16.66*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000 To 2,000, Deduct	*-4.82*	
		For >2,000 To 5,000, Deduct	*-8.59*	
		For >5,000, Deduct	*-14.03*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	66.19	
		For Vinylester Resin, Add	*32.99*	
		For Epoxy Resin, Add	*3.89*	
		For Up To >10, Add	*80.75*	
		For >10 To 25, Add	*59.43*	
		For >25 To 50, Add	*38.02*	
		For >50 To 100, Add	*19.01*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000 To 2,000, Deduct	*-5.92*	
		For >2,000 To 5,000, Deduct	*-10.42*	
		For >5,000, Deduct	*-17.05*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	38.21	
		For Vinylester Resin, Add	*15.54*	
		For Epoxy Resin, Add	*1.83*	
		For Up To >10, Add	*59.13*	
		For >10 To 25, Add	*45.58*	
		For >25 To 50, Add	*28.46*	
		For >50 To 100, Add	*14.23*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000 To 2,000, Deduct	*-3.67*	
		For >2,000 To 5,000, Deduct	*-6.67*	
		For >5,000, Deduct	*-10.84*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	46.24	
		For Vinylester Resin, Add	*21.16*	
		For Epoxy Resin, Add	*2.49*	
		For Up To >10, Add	*63.15*	
		For >10 To 25, Add	*47.58*	
		For >25 To 50, Add	*30.06*	
		For >50 To 100, Add	*15.03*	
		For >500 To 1,000, Deduct	*-2.71*	
		For >1,000 To 2,000, Deduct	*-4.27*	
		For >2,000 To 5,000, Deduct	*-7.63*	
		For >5,000, Deduct	*-12.45*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	63.83	
		For Vinylester Resin, Add	*32.41*	
		For Epoxy Resin, Add	*3.82*	
		For Up To >10, Add	*75.74*	
		For >10 To 25, Add	*55.40*	
		For >25 To 50, Add	*35.56*	
		For >50 To 100, Add	*17.78*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000 To 2,000, Deduct	*-5.66*	
		For >2,000 To 5,000, Deduct	*-9.94*	
		For >5,000, Deduct	*-16.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	81.42	
		For Vinylester Resin, Add	*43.65*	
		For Epoxy Resin, Add	*5.14*	
		For Up To >10, Add	*88.36*	
		For >10 To 25, Add	*63.24*	
		For >25 To 50, Add	*41.06*	
		For >50 To 100, Add	*20.53*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-7.06*	
		For >2,000 To 5,000, Deduct	*-12.25*	
		For >5,000, Deduct	*-20.10*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	99.16	
		For Vinylester Resin, Add	*54.90*	
		For Epoxy Resin, Add	*6.47*	
		For Up To >10, Add	*101.41*	
		For >10 To 25, Add	*71.43*	
		For >25 To 50, Add	*46.78*	
		For >50 To 100, Add	*23.39*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000 To 2,000, Deduct	*-8.47*	
		For >2,000 To 5,000, Deduct	*-14.59*	
		For >5,000, Deduct	*-23.98*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	117.35	
		For Vinylester Resin, Add	*66.14*	
		For Epoxy Resin, Add	*7.80*	
		For Up To >10, Add	*115.83*	
		For >10 To 25, Add	*80.77*	
		For >25 To 50, Add	*53.19*	
		For >50 To 100, Add	*26.59*	
		For >500 To 1,000, Deduct	*-6.44*	
		For >1,000 To 2,000, Deduct	*-9.94*	
		For >2,000 To 5,000, Deduct	*-17.05*	
		For >5,000, Deduct	*-28.04*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	53.21	
		For Vinylester Resin, Add	*26.04*	
		For Epoxy Resin, Add	*3.07*	
		For Up To >10, Add	*66.63*	
		For >10 To 25, Add	*49.33*	
		For >25 To 50, Add	*31.46*	
		For >50 To 100, Add	*15.73*	
		For >500 To 1,000, Deduct	*-3.06*	
		For >1,000 To 2,000, Deduct	*-4.79*	
		For >2,000 To 5,000, Deduct	*-8.47*	
		For >5,000, Deduct	*-13.84*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	74.81	
		For Vinylester Resin, Add	*40.10*	
		For Epoxy Resin, Add	*4.73*	
		For Up To >10, Add	*81.23*	
		For >10 To 25, Add	*58.15*	
		For >25 To 50, Add	*37.75*	
		For >50 To 100, Add	*18.88*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000 To 2,000, Deduct	*-6.49*	
		For >2,000 To 5,000, Deduct	*-11.26*	
		For >5,000, Deduct	*-18.47*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	96.42	
		For Vinylester Resin, Add	*54.15*	
		For Epoxy Resin, Add	*6.38*	
		For Up To >10, Add	*95.86*	
		For >10 To 25, Add	*66.99*	
		For >25 To 50, Add	*44.06*	
		For >50 To 100, Add	*22.03*	
		For >500 To 1,000, Deduct	*-5.30*	
		For >1,000 To 2,000, Deduct	*-8.18*	
		For >2,000 To 5,000, Deduct	*-14.05*	
		For >5,000, Deduct	*-23.10*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	118.17	
		For Vinylester Resin, Add	*68.21*	
		For Epoxy Resin, Add	*8.04*	
		For Up To >10, Add	*110.91*	
		For >10 To 25, Add	*76.19*	
		For >25 To 50, Add	*50.58*	
		For >50 To 100, Add	*25.29*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000 To 2,000, Deduct	*-9.90*	
		For >2,000 To 5,000, Deduct	*-16.88*	
		For >5,000, Deduct	*-27.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	140.38	
		For Vinylester Resin, Add	*82.26*	
		For Epoxy Resin, Add	*9.70*	
		For Up To >10, Add	*127.34*	
		For >10 To 25, Add	*86.53*	
		For >25 To 50, Add	*57.79*	
		For >50 To 100, Add	*28.90*	
		For >500 To 1,000, Deduct	*-7.59*	
		For >1,000 To 2,000, Deduct	*-11.67*	
		For >2,000 To 5,000, Deduct	*-19.82*	
		For >5,000, Deduct	*-32.65*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	173.55	
		For Vinylester Resin, Add	*103.35*	
		For Epoxy Resin, Add	*12.18*	
		For Up To >10, Add	*151.55*	
		For >10 To 25, Add	*101.69*	
		For >25 To 50, Add	*68.39*	
		For >50 To 100, Add	*34.20*	
		For >500 To 1,000, Deduct	*-9.33*	
		For >1,000 To 2,000, Deduct	*-14.31*	
		For >2,000 To 5,000, Deduct	*-24.19*	
		For >5,000, Deduct	*-39.89*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	207.03	
		For Vinylester Resin, Add	*124.43*	
		For Epoxy Resin, Add	*14.67*	
		For Up To >10, Add	*176.69*	
		For >10 To 25, Add	*117.62*	
		For >25 To 50, Add	*79.46*	
		For >50 To 100, Add	*39.73*	
		For >500 To 1,000, Deduct	*-11.08*	
		For >1,000 To 2,000, Deduct	*-16.99*	
		For >2,000 To 5,000, Deduct	*-28.65*	
		For >5,000, Deduct	*-47.26*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	85.55	
		For Vinylester Resin, Add	*47.61*	
		For Epoxy Resin, Add	*5.61*	
		For Up To >10, Add	*86.60*	
		For >10 To 25, Add	*60.83*	
		For >25 To 50, Add	*39.90*	
		For >50 To 100, Add	*19.95*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000 To 2,000, Deduct	*-7.29*	
		For >2,000 To 5,000, Deduct	*-12.54*	
		For >5,000, Deduct	*-20.62*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	111.18	
		For Vinylester Resin, Add	*64.48*	
		For Epoxy Resin, Add	*7.60*	
		For Up To >10, Add	*103.24*	
		For >10 To 25, Add	*70.68*	
		For >25 To 50, Add	*47.01*	
		For >50 To 100, Add	*23.51*	
		For >500 To 1,000, Deduct	*-6.04*	
		For >1,000 To 2,000, Deduct	*-9.29*	
		For >2,000 To 5,000, Deduct	*-15.82*	
		For >5,000, Deduct	*-26.05*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	136.95	
		For Vinylester Resin, Add	*81.35*	
		For Epoxy Resin, Add	*9.59*	
		For Up To >10, Add	*120.30*	
		For >10 To 25, Add	*80.88*	
		For >25 To 50, Add	*54.34*	
		For >50 To 100, Add	*27.17*	
		For >500 To 1,000, Deduct	*-7.37*	
		For >1,000 To 2,000, Deduct	*-11.31*	
		For >2,000 To 5,000, Deduct	*-19.13*	
		For >5,000, Deduct	*-31.54*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	163.17	
		For Vinylester Resin, Add	*98.22*	
		For Epoxy Resin, Add	*11.58*	
		For Up To >10, Add	*138.74*	
		For >10 To 25, Add	*92.23*	
		For >25 To 50, Add	*62.35*	
		For >50 To 100, Add	*31.18*	
		For >500 To 1,000, Deduct	*-8.73*	
		For >1,000 To 2,000, Deduct	*-13.38*	
		For >2,000 To 5,000, Deduct	*-22.55*	
		For >5,000, Deduct	*-37.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	202.37	
		For Vinylester Resin, Add	*123.52*	
		For Epoxy Resin, Add	*14.56*	
		For Up To >10, Add	*165.96*	
		For >10 To 25, Add	*108.89*	
		For >25 To 50, Add	*74.16*	
		For >50 To 100, Add	*37.08*	
		For >500 To 1,000, Deduct	*-10.77*	
		For >1,000 To 2,000, Deduct	*-16.47*	
		For >2,000 To 5,000, Deduct	*-27.65*	
		For >5,000, Deduct	*-45.66*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	241.87	
		For Vinylester Resin, Add	*148.82*	
		For Epoxy Resin, Add	*17.54*	
		For Up To >10, Add	*194.11*	
		For >10 To 25, Add	*126.33*	
		For >25 To 50, Add	*86.43*	
		For >50 To 100, Add	*43.21*	
		For >500 To 1,000, Deduct	*-12.83*	
		For >1,000 To 2,000, Deduct	*-19.60*	
		For >2,000 To 5,000, Deduct	*-32.83*	
		For >5,000, Deduct	*-54.23*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	280.46	
		For Vinylester Resin, Add	*174.13*	
		For Epoxy Resin, Add	*20.52*	
		For Up To >10, Add	*219.51*	
		For >10 To 25, Add	*141.46*	
		For >25 To 50, Add	*97.32*	
		For >50 To 100, Add	*48.66*	
		For >500 To 1,000, Deduct	*-14.82*	
		For >1,000 To 2,000, Deduct	*-22.62*	
		For >2,000 To 5,000, Deduct	*-37.78*	
		For >5,000, Deduct	*-62.43*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	319.50	
		For Vinylester Resin, Add	*199.43*	
		For Epoxy Resin, Add	*23.50*	
		For Up To >10, Add	*246.25*	
		For >10 To 25, Add	*157.73*	
		For >25 To 50, Add	*108.88*	
		For >50 To 100, Add	*54.44*	
		For >500 To 1,000, Deduct	*-16.84*	
		For >1,000 To 2,000, Deduct	*-25.69*	
		For >2,000 To 5,000, Deduct	*-42.84*	
		For >5,000, Deduct	*-70.82*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	230.95	
		For Vinylester Resin, Add	*143.53*	
		For Epoxy Resin, Add	*16.92*	
		For Up To >10, Add	*180.25*	
		For >10 To 25, Add	*116.04*	
		For >25 To 50, Add	*79.87*	
		For >50 To 100, Add	*39.94*	
		For >500 To 1,000, Deduct	*-12.20*	
		For >1,000 To 2,000, Deduct	*-18.62*	
		For >2,000 To 5,000, Deduct	*-31.08*	
		For >5,000, Deduct	*-51.37*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	276.47	
		For Vinylester Resin, Add	*173.04*	
		For Epoxy Resin, Add	*20.39*	
		For Up To >10, Add	*211.41*	
		For >10 To 25, Add	*134.98*	
		For >25 To 50, Add	*93.35*	
		For >50 To 100, Add	*46.67*	
		For >500 To 1,000, Deduct	*-14.56*	
		For >1,000 To 2,000, Deduct	*-22.20*	
		For >2,000 To 5,000, Deduct	*-36.98*	
		For >5,000, Deduct	*-61.15*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	321.09	
		For Vinylester Resin, Add	*202.57*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*239.82*	
		For >10 To 25, Add	*151.62*	
		For >25 To 50, Add	*105.44*	
		For >50 To 100, Add	*52.72*	
		For >500 To 1,000, Deduct	*-16.85*	
		For >1,000 To 2,000, Deduct	*-25.67*	
		For >2,000 To 5,000, Deduct	*-42.65*	
		For >5,000, Deduct	*-70.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	366.15	
		For Vinylester Resin, Add	*232.09*	
		For Epoxy Resin, Add	*27.35*	
		For Up To >10, Add	*269.58*	
		For >10 To 25, Add	*169.39*	
		For >25 To 50, Add	*118.21*	
		For >50 To 100, Add	*59.11*	
		For >500 To 1,000, Deduct	*-19.17*	
		For >1,000 To 2,000, Deduct	*-29.19*	
		For >2,000 To 5,000, Deduct	*-48.44*	
		For >5,000, Deduct	*-80.15*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	411.82	
		For Vinylester Resin, Add	*261.60*	
		For Epoxy Resin, Add	*30.83*	
		For Up To >10, Add	*301.19*	
		For >10 To 25, Add	*188.70*	
		For >25 To 50, Add	*131.91*	
		For >50 To 100, Add	*65.95*	
		For >500 To 1,000, Deduct	*-21.54*	
		For >1,000 To 2,000, Deduct	*-32.79*	
		For >2,000 To 5,000, Deduct	*-54.37*	
		For >5,000, Deduct	*-89.99*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	458.27	
		For Vinylester Resin, Add	*291.12*	
		For Epoxy Resin, Add	*34.31*	
		For Up To >10, Add	*335.09*	
		For >10 To 25, Add	*209.92*	
		For >25 To 50, Add	*146.75*	
		For >50 To 100, Add	*73.37*	
		For >500 To 1,000, Deduct	*-23.97*	
		For >1,000 To 2,000, Deduct	*-36.49*	
		For >2,000 To 5,000, Deduct	*-60.50*	
		For >5,000, Deduct	*-100.13*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	547.94	
		For Vinylester Resin, Add	*350.16*	
		For Epoxy Resin, Add	*41.27*	
		For Up To >10, Add	*393.25*	
		For >10 To 25, Add	*244.33*	
		For >25 To 50, Add	*171.61*	
		For >50 To 100, Add	*85.81*	
		For >500 To 1,000, Deduct	*-28.59*	
		For >1,000 To 2,000, Deduct	*-43.48*	
		For >2,000 To 5,000, Deduct	*-71.96*	
		For >5,000, Deduct	*-119.13*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	259.29	
		For Vinylester Resin, Add	*163.37*	
		For Epoxy Resin, Add	*19.25*	
		For Up To >10, Add	*194.42*	
		For >10 To 25, Add	*123.12*	
		For >25 To 50, Add	*85.54*	
		For >50 To 100, Add	*42.77*	
		For >500 To 1,000, Deduct	*-13.61*	
		For >1,000 To 2,000, Deduct	*-20.74*	
		For >2,000 To 5,000, Deduct	*-34.48*	
		For >5,000, Deduct	*-57.04*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	310.85	
		For Vinylester Resin, Add	*197.11*	
		For Epoxy Resin, Add	*23.23*	
		For Up To >10, Add	*228.60*	
		For >10 To 25, Add	*143.57*	
		For >25 To 50, Add	*100.22*	
		For >50 To 100, Add	*50.11*	
		For >500 To 1,000, Deduct	*-16.27*	
		For >1,000 To 2,000, Deduct	*-24.78*	
		For >2,000 To 5,000, Deduct	*-41.11*	
		For >5,000, Deduct	*-68.02*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	361.48	
		For Vinylester Resin, Add	*230.84*	
		For Epoxy Resin, Add	*27.21*	
		For Up To >10, Add	*260.02*	
		For >10 To 25, Add	*161.72*	
		For >25 To 50, Add	*113.52*	
		For >50 To 100, Add	*56.76*	
		For >500 To 1,000, Deduct	*-18.87*	
		For >1,000 To 2,000, Deduct	*-28.70*	
		For >2,000 To 5,000, Deduct	*-47.50*	
		For >5,000, Deduct	*-78.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	412.56	
		For Vinylester Resin, Add	*264.57*	
		For Epoxy Resin, Add	*31.18*	
		For Up To >10, Add	*292.78*	
		For >10 To 25, Add	*180.99*	
		For >25 To 50, Add	*127.49*	
		For >50 To 100, Add	*63.75*	
		For >500 To 1,000, Deduct	*-21.49*	
		For >1,000 To 2,000, Deduct	*-32.67*	
		For >2,000 To 5,000, Deduct	*-54.01*	
		For >5,000, Deduct	*-89.43*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	464.27	
		For Vinylester Resin, Add	*298.31*	
		For Epoxy Resin, Add	*35.16*	
		For Up To >10, Add	*327.41*	
		For >10 To 25, Add	*201.82*	
		For >25 To 50, Add	*142.40*	
		For >50 To 100, Add	*71.20*	
		For >500 To 1,000, Deduct	*-24.17*	
		For >1,000 To 2,000, Deduct	*-36.73*	
		For >2,000 To 5,000, Deduct	*-60.67*	
		For >5,000, Deduct	*-100.48*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	516.73	
		For Vinylester Resin, Add	*332.05*	
		For Epoxy Resin, Add	*39.13*	
		For Up To >10, Add	*364.32*	
		For >10 To 25, Add	*224.54*	
		For >25 To 50, Add	*158.44*	
		For >50 To 100, Add	*79.22*	
		For >500 To 1,000, Deduct	*-26.90*	
		For >1,000 To 2,000, Deduct	*-40.87*	
		For >2,000 To 5,000, Deduct	*-67.52*	
		For >5,000, Deduct	*-111.82*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	618.45	
		For Vinylester Resin, Add	*399.52*	
		For Epoxy Resin, Add	*47.09*	
		For Up To >10, Add	*428.50*	
		For >10 To 25, Add	*261.96*	
		For >25 To 50, Add	*185.71*	
		For >50 To 100, Add	*92.86*	
		For >500 To 1,000, Deduct	*-32.12*	
		For >1,000 To 2,000, Deduct	*-48.77*	
		For >2,000 To 5,000, Deduct	*-80.42*	
		For >5,000, Deduct	*-133.23*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	721.55	
		For Vinylester Resin, Add	*466.99*	
		For Epoxy Resin, Add	*55.04*	
		For Up To >10, Add	*496.83*	
		For >10 To 25, Add	*302.83*	
		For >25 To 50, Add	*215.06*	
		For >50 To 100, Add	*107.53*	
		For >500 To 1,000, Deduct	*-37.44*	
		For >1,000 To 2,000, Deduct	*-56.84*	
		For >2,000 To 5,000, Deduct	*-93.66*	
		For >5,000, Deduct	*-155.19*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	827.07	
		For Vinylester Resin, Add	*534.46*	
		For Epoxy Resin, Add	*62.99*	
		For Up To >10, Add	*572.44*	
		For >10 To 25, Add	*349.78*	
		For >25 To 50, Add	*248.04*	
		For >50 To 100, Add	*124.02*	
		For >500 To 1,000, Deduct	*-42.94*	
		For >1,000 To 2,000, Deduct	*-65.21*	
		For >2,000 To 5,000, Deduct	*-107.51*	
		For >5,000, Deduct	*-178.13*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	287.39	
		For Vinylester Resin, Add	*183.04*	
		For Epoxy Resin, Add	*21.57*	
		For Up To >10, Add	*208.47*	
		For >10 To 25, Add	*130.15*	
		For >25 To 50, Add	*91.16*	
		For >50 To 100, Add	*45.58*	
		For >500 To 1,000, Deduct	*-15.02*	
		For >1,000 To 2,000, Deduct	*-22.85*	
		For >2,000 To 5,000, Deduct	*-37.86*	
		For >5,000, Deduct	*-62.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	344.98	
		For Vinylester Resin, Add	*221.00*	
		For Epoxy Resin, Add	*26.05*	
		For Up To >10, Add	*245.67*	
		For >10 To 25, Add	*152.10*	
		For >25 To 50, Add	*107.05*	
		For >50 To 100, Add	*53.52*	
		For >500 To 1,000, Deduct	*-17.98*	
		For >1,000 To 2,000, Deduct	*-27.34*	
		For >2,000 To 5,000, Deduct	*-45.20*	
		For >5,000, Deduct	*-74.85*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	401.64	
		For Vinylester Resin, Add	*258.95*	
		For Epoxy Resin, Add	*30.52*	
		For Up To >10, Add	*280.10*	
		For >10 To 25, Add	*171.76*	
		For >25 To 50, Add	*121.55*	
		For >50 To 100, Add	*60.78*	
		For >500 To 1,000, Deduct	*-20.87*	
		For >1,000 To 2,000, Deduct	*-31.71*	
		For >2,000 To 5,000, Deduct	*-52.32*	
		For >5,000, Deduct	*-86.67*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	458.74	
		For Vinylester Resin, Add	*296.90*	
		For Epoxy Resin, Add	*34.99*	
		For Up To >10, Add	*315.87*	
		For >10 To 25, Add	*192.54*	
		For >25 To 50, Add	*136.73*	
		For >50 To 100, Add	*68.36*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000 To 2,000, Deduct	*-36.14*	
		For >2,000 To 5,000, Deduct	*-59.55*	
		For >5,000, Deduct	*-98.67*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	516.47	
		For Vinylester Resin, Add	*334.85*	
		For Epoxy Resin, Add	*39.46*	
		For Up To >10, Add	*353.51*	
		For >10 To 25, Add	*214.87*	
		For >25 To 50, Add	*152.84*	
		For >50 To 100, Add	*76.42*	
		For >500 To 1,000, Deduct	*-26.78*	
		For >1,000 To 2,000, Deduct	*-40.64*	
		For >2,000 To 5,000, Deduct	*-66.93*	
		For >5,000, Deduct	*-110.92*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	574.96	
		For Vinylester Resin, Add	*372.81*	
		For Epoxy Resin, Add	*43.94*	
		For Up To >10, Add	*393.43*	
		For >10 To 25, Add	*239.10*	
		For >25 To 50, Add	*170.09*	
		For >50 To 100, Add	*85.04*	
		For >500 To 1,000, Deduct	*-29.81*	
		For >1,000 To 2,000, Deduct	*-45.24*	
		For >2,000 To 5,000, Deduct	*-74.50*	
		For >5,000, Deduct	*-123.47*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	688.72	
		For Vinylester Resin, Add	*448.71*	
		For Epoxy Resin, Add	*52.88*	
		For Up To >10, Add	*463.64*	
		For >10 To 25, Add	*279.53*	
		For >25 To 50, Add	*199.77*	
		For >50 To 100, Add	*99.88*	
		For >500 To 1,000, Deduct	*-35.63*	
		For >1,000 To 2,000, Deduct	*-54.04*	
		For >2,000 To 5,000, Deduct	*-88.85*	
		For >5,000, Deduct	*-147.29*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	803.87	
		For Vinylester Resin, Add	*524.62*	
		For Epoxy Resin, Add	*61.83*	
		For Up To >10, Add	*537.99*	
		For >10 To 25, Add	*323.41*	
		For >25 To 50, Add	*231.52*	
		For >50 To 100, Add	*115.76*	
		For >500 To 1,000, Deduct	*-41.55*	
		For >1,000 To 2,000, Deduct	*-63.01*	
		For >2,000 To 5,000, Deduct	*-103.54*	
		For >5,000, Deduct	*-171.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	921.44	
		For Vinylester Resin, Add	*600.52*	
		For Epoxy Resin, Add	*70.78*	
		For Up To >10, Add	*619.62*	
		For >10 To 25, Add	*373.37*	
		For >25 To 50, Add	*266.92*	
		For >50 To 100, Add	*133.46*	
		For >500 To 1,000, Deduct	*-47.66*	
		For >1,000 To 2,000, Deduct	*-72.29*	
		For >2,000 To 5,000, Deduct	*-118.84*	
		For >5,000, Deduct	*-197.00*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	315.26	
		For Vinylester Resin, Add	*202.55*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*222.41*	
		For >10 To 25, Add	*137.11*	
		For >25 To 50, Add	*96.74*	
		For >50 To 100, Add	*48.37*	
		For >500 To 1,000, Deduct	*-16.41*	
		For >1,000 To 2,000, Deduct	*-24.94*	
		For >2,000 To 5,000, Deduct	*-41.20*	
		For >5,000, Deduct	*-68.23*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	378.87	
		For Vinylester Resin, Add	*244.72*	
		For Epoxy Resin, Add	*28.84*	
		For Up To >10, Add	*262.61*	
		For >10 To 25, Add	*160.58*	
		For >25 To 50, Add	*113.83*	
		For >50 To 100, Add	*56.91*	
		For >500 To 1,000, Deduct	*-19.68*	
		For >1,000 To 2,000, Deduct	*-29.88*	
		For >2,000 To 5,000, Deduct	*-49.27*	
		For >5,000, Deduct	*-81.63*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	441.55	
		For Vinylester Resin, Add	*286.89*	
		For Epoxy Resin, Add	*33.81*	
		For Up To >10, Add	*300.05*	
		For >10 To 25, Add	*181.74*	
		For >25 To 50, Add	*129.53*	
		For >50 To 100, Add	*64.77*	
		For >500 To 1,000, Deduct	*-22.87*	
		For >1,000 To 2,000, Deduct	*-34.70*	
		For >2,000 To 5,000, Deduct	*-57.11*	
		For >5,000, Deduct	*-94.65*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	504.68	
		For Vinylester Resin, Add	*329.06*	
		For Epoxy Resin, Add	*38.78*	
		For Up To >10, Add	*338.84*	
		For >10 To 25, Add	*204.02*	
		For >25 To 50, Add	*145.92*	
		For >50 To 100, Add	*72.96*	
		For >500 To 1,000, Deduct	*-26.10*	
		For >1,000 To 2,000, Deduct	*-39.58*	
		For >2,000 To 5,000, Deduct	*-65.06*	
		For >5,000, Deduct	*-107.86*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	568.43	
		For Vinylester Resin, Add	*371.22*	
		For Epoxy Resin, Add	*43.75*	
		For Up To >10, Add	*379.49*	
		For >10 To 25, Add	*227.86*	
		For >25 To 50, Add	*163.23*	
		For >50 To 100, Add	*81.61*	
		For >500 To 1,000, Deduct	*-29.37*	
		For >1,000 To 2,000, Deduct	*-44.54*	
		For >2,000 To 5,000, Deduct	*-73.17*	
		For >5,000, Deduct	*-121.31*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	632.95	
		For Vinylester Resin, Add	*413.40*	
		For Epoxy Resin, Add	*48.72*	
		For Up To >10, Add	*422.43*	
		For >10 To 25, Add	*253.59*	
		For >25 To 50, Add	*181.68*	
		For >50 To 100, Add	*90.84*	
		For >500 To 1,000, Deduct	*-32.71*	
		For >1,000 To 2,000, Deduct	*-49.59*	
		For >2,000 To 5,000, Deduct	*-81.46*	
		For >5,000, Deduct	*-135.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	758.76	
		For Vinylester Resin, Add	*497.74*	
		For Epoxy Resin, Add	*58.66*	
		For Up To >10, Add	*498.66*	
		For >10 To 25, Add	*297.04*	
		For >25 To 50, Add	*213.78*	
		For >50 To 100, Add	*106.89*	
		For >500 To 1,000, Deduct	*-39.13*	
		For >1,000 To 2,000, Deduct	*-59.29*	
		For >2,000 To 5,000, Deduct	*-97.25*	
		For >5,000, Deduct	*-161.29*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	885.96	
		For Vinylester Resin, Add	*582.08*	
		For Epoxy Resin, Add	*68.60*	
		For Up To >10, Add	*579.03*	
		For >10 To 25, Add	*343.94*	
		For >25 To 50, Add	*247.94*	
		For >50 To 100, Add	*123.97*	
		For >500 To 1,000, Deduct	*-45.66*	
		For >1,000 To 2,000, Deduct	*-69.17*	
		For >2,000 To 5,000, Deduct	*-113.39*	
		For >5,000, Deduct	*-188.08*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,015.58	
		For Vinylester Resin, Add	*666.41*	
		For Epoxy Resin, Add	*78.54*	
		For Up To >10, Add	*666.69*	
		For >10 To 25, Add	*396.91*	
		For >25 To 50, Add	*285.74*	
		For >50 To 100, Add	*142.87*	
		For >500 To 1,000, Deduct	*-52.37*	
		For >1,000 To 2,000, Deduct	*-79.35*	
		For >2,000 To 5,000, Deduct	*-130.13*	
		For >5,000, Deduct	*-215.83*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	412.52	
		For Vinylester Resin, Add	*268.28*	
		For Epoxy Resin, Add	*31.62*	
		For Up To >10, Add	*279.44*	
		For >10 To 25, Add	*168.99*	
		For >25 To 50, Add	*120.56*	
		For >50 To 100, Add	*60.28*	
		For >500 To 1,000, Deduct	*-21.36*	
		For >1,000 To 2,000, Deduct	*-32.40*	
		For >2,000 To 5,000, Deduct	*-53.31*	
		For >5,000, Deduct	*-88.36*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	481.23	
		For Vinylester Resin, Add	*314.66*	
		For Epoxy Resin, Add	*37.09*	
		For Up To >10, Add	*319.89*	
		For >10 To 25, Add	*191.66*	
		For >25 To 50, Add	*137.47*	
		For >50 To 100, Add	*68.73*	
		For >500 To 1,000, Deduct	*-24.85*	
		For >1,000 To 2,000, Deduct	*-37.68*	
		For >2,000 To 5,000, Deduct	*-61.87*	
		For >5,000, Deduct	*-102.59*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	550.38	
		For Vinylester Resin, Add	*361.05*	
		For Epoxy Resin, Add	*42.55*	
		For Up To >10, Add	*361.69*	
		For >10 To 25, Add	*215.45*	
		For >25 To 50, Add	*155.06*	
		For >50 To 100, Add	*77.53*	
		For >500 To 1,000, Deduct	*-28.38*	
		For >1,000 To 2,000, Deduct	*-43.01*	
		For >2,000 To 5,000, Deduct	*-70.54*	
		For >5,000, Deduct	*-117.00*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	620.16	
		For Vinylester Resin, Add	*407.44*	
		For Epoxy Resin, Add	*48.02*	
		For Up To >10, Add	*405.36*	
		For >10 To 25, Add	*240.79*	
		For >25 To 50, Add	*173.58*	
		For >50 To 100, Add	*86.79*	
		For >500 To 1,000, Deduct	*-31.96*	
		For >1,000 To 2,000, Deduct	*-48.42*	
		For >2,000 To 5,000, Deduct	*-79.37*	
		For >5,000, Deduct	*-131.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	690.70	
		For Vinylester Resin, Add	*453.82*	
		For Epoxy Resin, Add	*53.49*	
		For Up To >10, Add	*451.30*	
		For >10 To 25, Add	*268.03*	
		For >25 To 50, Add	*193.23*	
		For >50 To 100, Add	*96.62*	
		For >500 To 1,000, Deduct	*-35.59*	
		For >1,000 To 2,000, Deduct	*-53.92*	
		For >2,000 To 5,000, Deduct	*-88.39*	
		For >5,000, Deduct	*-146.62*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	828.57	
		For Vinylester Resin, Add	*546.60*	
		For Epoxy Resin, Add	*64.42*	
		For Up To >10, Add	*533.56*	
		For >10 To 25, Add	*314.49*	
		For >25 To 50, Add	*227.74*	
		For >50 To 100, Add	*113.87*	
		For >500 To 1,000, Deduct	*-42.62*	
		For >1,000 To 2,000, Deduct	*-64.53*	
		For >2,000 To 5,000, Deduct	*-105.63*	
		For >5,000, Deduct	*-175.26*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	967.80	
		For Vinylester Resin, Add	*639.37*	
		For Epoxy Resin, Add	*75.35*	
		For Up To >10, Add	*619.95*	
		For >10 To 25, Add	*364.40*	
		For >25 To 50, Add	*264.31*	
		For >50 To 100, Add	*132.15*	
		For >500 To 1,000, Deduct	*-49.75*	
		For >1,000 To 2,000, Deduct	*-75.31*	
		For >2,000 To 5,000, Deduct	*-123.21*	
		For >5,000, Deduct	*-204.44*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,109.48	
		For Vinylester Resin, Add	*732.14*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*713.64*	
		For >10 To 25, Add	*420.38*	
		For >25 To 50, Add	*304.52*	
		For >50 To 100, Add	*152.26*	
		For >500 To 1,000, Deduct	*-57.06*	
		For >1,000 To 2,000, Deduct	*-86.39*	
		For >2,000 To 5,000, Deduct	*-141.40*	
		For >5,000, Deduct	*-234.61*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,250.10	
		For Vinylester Resin, Add	*824.92*	
		For Epoxy Resin, Add	*97.22*	
		For Up To >10, Add	*804.15*	
		For >10 To 25, Add	*473.72*	
		For >25 To 50, Add	*343.15*	
		For >50 To 100, Add	*171.58*	
		For >500 To 1,000, Deduct	*-64.30*	
		For >1,000 To 2,000, Deduct	*-97.34*	
		For >2,000 To 5,000, Deduct	*-159.33*	
		For >5,000, Deduct	*-264.35*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	446.70	
		For Vinylester Resin, Add	*291.67*	
		For Epoxy Resin, Add	*34.38*	
		For Up To >10, Add	*298.43*	
		For >10 To 25, Add	*179.24*	
		For >25 To 50, Add	*128.38*	
		For >50 To 100, Add	*64.19*	
		For >500 To 1,000, Deduct	*-23.09*	
		For >1,000 To 2,000, Deduct	*-35.00*	
		For >2,000 To 5,000, Deduct	*-57.51*	
		For >5,000, Deduct	*-95.35*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	521.58	
		For Vinylester Resin, Add	*342.27*	
		For Epoxy Resin, Add	*40.34*	
		For Up To >10, Add	*342.34*	
		For >10 To 25, Add	*203.79*	
		For >25 To 50, Add	*146.72*	
		For >50 To 100, Add	*73.36*	
		For >500 To 1,000, Deduct	*-26.89*	
		For >1,000 To 2,000, Deduct	*-40.75*	
		For >2,000 To 5,000, Deduct	*-66.83*	
		For >5,000, Deduct	*-110.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	596.76	
		For Vinylester Resin, Add	*392.88*	
		For Epoxy Resin, Add	*46.30*	
		For Up To >10, Add	*387.16*	
		For >10 To 25, Add	*229.09*	
		For >25 To 50, Add	*165.52*	
		For >50 To 100, Add	*82.76*	
		For >500 To 1,000, Deduct	*-30.73*	
		For >1,000 To 2,000, Deduct	*-46.53*	
		For >2,000 To 5,000, Deduct	*-76.23*	
		For >5,000, Deduct	*-126.45*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	672.72	
		For Vinylester Resin, Add	*443.49*	
		For Epoxy Resin, Add	*52.27*	
		For Up To >10, Add	*434.29*	
		For >10 To 25, Add	*256.31*	
		For >25 To 50, Add	*185.47*	
		For >50 To 100, Add	*92.73*	
		For >500 To 1,000, Deduct	*-34.62*	
		For >1,000 To 2,000, Deduct	*-52.41*	
		For >2,000 To 5,000, Deduct	*-85.82*	
		For >5,000, Deduct	*-142.38*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	749.28	
		For Vinylester Resin, Add	*494.08*	
		For Epoxy Resin, Add	*58.23*	
		For Up To >10, Add	*483.27*	
		For >10 To 25, Add	*285.08*	
		For >25 To 50, Add	*206.34*	
		For >50 To 100, Add	*103.17*	
		For >500 To 1,000, Deduct	*-38.55*	
		For >1,000 To 2,000, Deduct	*-58.37*	
		For >2,000 To 5,000, Deduct	*-95.56*	
		For >5,000, Deduct	*-158.55*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	900.42	
		For Vinylester Resin, Add	*595.29*	
		For Epoxy Resin, Add	*70.16*	
		For Up To >10, Add	*575.21*	
		For >10 To 25, Add	*337.61*	
		For >25 To 50, Add	*245.08*	
		For >50 To 100, Add	*122.54*	
		For >500 To 1,000, Deduct	*-46.27*	
		For >1,000 To 2,000, Deduct	*-70.03*	
		For >2,000 To 5,000, Deduct	*-114.55*	
		For >5,000, Deduct	*-190.08*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,052.16	
		For Vinylester Resin, Add	*696.50*	
		For Epoxy Resin, Add	*82.09*	
		For Up To >10, Add	*668.98*	
		For >10 To 25, Add	*391.65*	
		For >25 To 50, Add	*284.74*	
		For >50 To 100, Add	*142.37*	
		For >500 To 1,000, Deduct	*-54.04*	
		For >1,000 To 2,000, Deduct	*-81.77*	
		For >2,000 To 5,000, Deduct	*-133.69*	
		For >5,000, Deduct	*-221.86*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,206.35	
		For Vinylester Resin, Add	*797.71*	
		For Epoxy Resin, Add	*94.02*	
		For Up To >10, Add	*770.10*	
		For >10 To 25, Add	*451.82*	
		For >25 To 50, Add	*328.07*	
		For >50 To 100, Add	*164.04*	
		For >500 To 1,000, Deduct	*-61.99*	
		For >1,000 To 2,000, Deduct	*-93.81*	
		For >2,000 To 5,000, Deduct	*-153.44*	
		For >5,000, Deduct	*-254.62*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,359.47	
		For Vinylester Resin, Add	*898.92*	
		For Epoxy Resin, Add	*105.94*	
		For Up To >10, Add	*867.99*	
		For >10 To 25, Add	*509.29*	
		For >25 To 50, Add	*369.78*	
		For >50 To 100, Add	*184.89*	
		For >500 To 1,000, Deduct	*-69.86*	
		For >1,000 To 2,000, Deduct	*-105.73*	
		For >2,000 To 5,000, Deduct	*-172.93*	
		For >5,000, Deduct	*-286.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,512.43	
		For Vinylester Resin, Add	*1,000.12*	
		For Epoxy Resin, Add	*117.87*	
		For Up To >10, Add	*965.44*	
		For >10 To 25, Add	*566.41*	
		For >25 To 50, Add	*411.28*	
		For >50 To 100, Add	*205.64*	
		For >500 To 1,000, Deduct	*-77.71*	
		For >1,000 To 2,000, Deduct	*-117.62*	
		For >2,000 To 5,000, Deduct	*-192.37*	
		For >5,000, Deduct	*-319.22*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,666.01	
		For Vinylester Resin, Add	*1,101.33*	
		For Epoxy Resin, Add	*129.80*	
		For Up To >10, Add	*1,064.71*	
		For >10 To 25, Add	*625.03*	
		For >25 To 50, Add	*453.69*	
		For >50 To 100, Add	*226.84*	
		For >500 To 1,000, Deduct	*-85.62*	
		For >1,000 To 2,000, Deduct	*-129.58*	
		For >2,000 To 5,000, Deduct	*-211.97*	
		For >5,000, Deduct	*-351.74*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,819.12	
		For Vinylester Resin, Add	*1,202.54*	
		For Epoxy Resin, Add	*141.73*	
		For Up To >10, Add	*1,162.59*	
		For >10 To 25, Add	*682.50*	
		For >25 To 50, Add	*495.40*	
		For >50 To 100, Add	*247.70*	
		For >500 To 1,000, Deduct	*-93.49*	
		For >1,000 To 2,000, Deduct	*-141.49*	
		For >2,000 To 5,000, Deduct	*-231.45*	
		For >5,000, Deduct	*-384.07*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	481.10	
		For Vinylester Resin, Add	*314.90*	
		For Epoxy Resin, Add	*37.11*	
		For Up To >10, Add	*318.68*	
		For >10 To 25, Add	*190.59*	
		For >25 To 50, Add	*136.85*	
		For >50 To 100, Add	*68.42*	
		For >500 To 1,000, Deduct	*-24.84*	
		For >1,000 To 2,000, Deduct	*-37.65*	
		For >2,000 To 5,000, Deduct	*-61.79*	
		For >5,000, Deduct	*-102.47*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	562.01	
		For Vinylester Resin, Add	*369.72*	
		For Epoxy Resin, Add	*43.57*	
		For Up To >10, Add	*365.61*	
		For >10 To 25, Add	*216.64*	
		For >25 To 50, Add	*156.39*	
		For >50 To 100, Add	*78.20*	
		For >500 To 1,000, Deduct	*-28.95*	
		For >1,000 To 2,000, Deduct	*-43.84*	
		For >2,000 To 5,000, Deduct	*-71.84*	
		For >5,000, Deduct	*-119.17*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	643.37	
		For Vinylester Resin, Add	*424.54*	
		For Epoxy Resin, Add	*50.03*	
		For Up To >10, Add	*413.91*	
		For >10 To 25, Add	*243.85*	
		For >25 To 50, Add	*176.63*	
		For >50 To 100, Add	*88.32*	
		For >500 To 1,000, Deduct	*-33.09*	
		For >1,000 To 2,000, Deduct	*-50.10*	
		For >2,000 To 5,000, Deduct	*-82.00*	
		For >5,000, Deduct	*-136.05*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	725.04	
		For Vinylester Resin, Add	*479.36*	
		For Epoxy Resin, Add	*56.50*	
		For Up To >10, Add	*463.12*	
		For >10 To 25, Add	*271.80*	
		For >25 To 50, Add	*197.32*	
		For >50 To 100, Add	*98.66*	
		For >500 To 1,000, Deduct	*-37.26*	
		For >1,000 To 2,000, Deduct	*-56.39*	
		For >2,000 To 5,000, Deduct	*-92.24*	
		For >5,000, Deduct	*-153.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	807.92	
		For Vinylester Resin, Add	*534.18*	
		For Epoxy Resin, Add	*62.96*	
		For Up To >10, Add	*515.99*	
		For >10 To 25, Add	*302.80*	
		For >25 To 50, Add	*219.84*	
		For >50 To 100, Add	*109.92*	
		For >500 To 1,000, Deduct	*-41.52*	
		For >1,000 To 2,000, Deduct	*-62.83*	
		For >2,000 To 5,000, Deduct	*-102.78*	
		For >5,000, Deduct	*-170.55*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	972.48	
		For Vinylester Resin, Add	*643.82*	
		For Epoxy Resin, Add	*75.88*	
		For Up To >10, Add	*618.09*	
		For >10 To 25, Add	*361.79*	
		For >25 To 50, Add	*263.06*	
		For >50 To 100, Add	*131.53*	
		For >500 To 1,000, Deduct	*-49.94*	
		For >1,000 To 2,000, Deduct	*-75.57*	
		For >2,000 To 5,000, Deduct	*-123.55*	
		For >5,000, Deduct	*-205.04*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,137.49	
		For Vinylester Resin, Add	*753.46*	
		For Epoxy Resin, Add	*88.80*	
		For Up To >10, Add	*721.55*	
		For >10 To 25, Add	*421.89*	
		For >25 To 50, Add	*306.95*	
		For >50 To 100, Add	*153.48*	
		For >500 To 1,000, Deduct	*-58.40*	
		For >1,000 To 2,000, Deduct	*-88.37*	
		For >2,000 To 5,000, Deduct	*-144.44*	
		For >5,000, Deduct	*-239.72*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,303.58	
		For Vinylester Resin, Add	*863.11*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*828.22*	
		For >10 To 25, Add	*484.68*	
		For >25 To 50, Add	*352.46*	
		For >50 To 100, Add	*176.23*	
		For >500 To 1,000, Deduct	*-66.94*	
		For >1,000 To 2,000, Deduct	*-101.30*	
		For >2,000 To 5,000, Deduct	*-165.60*	
		For >5,000, Deduct	*-274.83*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,469.20	
		For Vinylester Resin, Add	*972.74*	
		For Epoxy Resin, Add	*114.64*	
		For Up To >10, Add	*933.53*	
		For >10 To 25, Add	*546.33*	
		For >25 To 50, Add	*397.28*	
		For >50 To 100, Add	*198.64*	
		For >500 To 1,000, Deduct	*-75.45*	
		For >1,000 To 2,000, Deduct	*-114.17*	
		For >2,000 To 5,000, Deduct	*-186.65*	
		For >5,000, Deduct	*-309.75*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,634.82	
		For Vinylester Resin, Add	*1,082.38*	
		For Epoxy Resin, Add	*127.57*	
		For Up To >10, Add	*1,038.81*	
		For >10 To 25, Add	*607.97*	
		For >25 To 50, Add	*442.09*	
		For >50 To 100, Add	*221.05*	
		For >500 To 1,000, Deduct	*-83.96*	
		For >1,000 To 2,000, Deduct	*-127.04*	
		For >2,000 To 5,000, Deduct	*-207.69*	
		For >5,000, Deduct	*-344.68*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,802.29	
		For Vinylester Resin, Add	*1,192.03*	
		For Epoxy Resin, Add	*140.49*	
		For Up To >10, Add	*1,149.62*	
		For >10 To 25, Add	*674.20*	
		For >25 To 50, Add	*489.67*	
		For >50 To 100, Add	*244.83*	
		For >500 To 1,000, Deduct	*-92.60*	
		For >1,000 To 2,000, Deduct	*-140.14*	
		For >2,000 To 5,000, Deduct	*-229.20*	
		For >5,000, Deduct	*-380.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,968.05	
		For Vinylester Resin, Add	*1,301.66*	
		For Epoxy Resin, Add	*153.41*	
		For Up To >10, Add	*1,255.35*	
		For >10 To 25, Add	*736.21*	
		For >25 To 50, Add	*534.70*	
		For >50 To 100, Add	*267.35*	
		For >500 To 1,000, Deduct	*-101.12*	
		For >1,000 To 2,000, Deduct	*-153.03*	
		For >2,000 To 5,000, Deduct	*-250.27*	
		For >5,000, Deduct	*-415.32*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	515.11	
		For Vinylester Resin, Add	*337.95*	
		For Epoxy Resin, Add	*39.83*	
		For Up To >10, Add	*338.36*	
		For >10 To 25, Add	*201.50*	
		For >25 To 50, Add	*145.04*	
		For >50 To 100, Add	*72.52*	
		For >500 To 1,000, Deduct	*-26.56*	
		For >1,000 To 2,000, Deduct	*-40.25*	
		For >2,000 To 5,000, Deduct	*-66.01*	
		For >5,000, Deduct	*-109.49*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	602.19	
		For Vinylester Resin, Add	*396.99*	
		For Epoxy Resin, Add	*46.79*	
		For Up To >10, Add	*388.75*	
		For >10 To 25, Add	*229.43*	
		For >25 To 50, Add	*166.02*	
		For >50 To 100, Add	*83.01*	
		For >500 To 1,000, Deduct	*-30.99*	
		For >1,000 To 2,000, Deduct	*-46.92*	
		For >2,000 To 5,000, Deduct	*-76.82*	
		For >5,000, Deduct	*-127.45*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	689.74	
		For Vinylester Resin, Add	*456.04*	
		For Epoxy Resin, Add	*53.75*	
		For Up To >10, Add	*440.52*	
		For >10 To 25, Add	*258.52*	
		For >25 To 50, Add	*187.69*	
		For >50 To 100, Add	*93.84*	
		For >500 To 1,000, Deduct	*-35.44*	
		For >1,000 To 2,000, Deduct	*-53.64*	
		For >2,000 To 5,000, Deduct	*-87.74*	
		For >5,000, Deduct	*-145.60*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	777.12	
		For Vinylester Resin, Add	*515.07*	
		For Epoxy Resin, Add	*60.70*	
		For Up To >10, Add	*491.84*	
		For >10 To 25, Add	*287.23*	
		For >25 To 50, Add	*209.13*	
		For >50 To 100, Add	*104.56*	
		For >500 To 1,000, Deduct	*-39.89*	
		For >1,000 To 2,000, Deduct	*-60.35*	
		For >2,000 To 5,000, Deduct	*-98.62*	
		For >5,000, Deduct	*-163.69*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	866.20	
		For Vinylester Resin, Add	*574.11*	
		For Epoxy Resin, Add	*67.66*	
		For Up To >10, Add	*548.20*	
		For >10 To 25, Add	*320.14*	
		For >25 To 50, Add	*233.09*	
		For >50 To 100, Add	*116.55*	
		For >500 To 1,000, Deduct	*-44.46*	
		For >1,000 To 2,000, Deduct	*-67.27*	
		For >2,000 To 5,000, Deduct	*-109.93*	
		For >5,000, Deduct	*-182.45*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,044.31	
		For Vinylester Resin, Add	*692.18*	
		For Epoxy Resin, Add	*81.58*	
		For Up To >10, Add	*660.86*	
		For >10 To 25, Add	*385.91*	
		For >25 To 50, Add	*280.99*	
		For >50 To 100, Add	*140.49*	
		For >500 To 1,000, Deduct	*-53.60*	
		For >1,000 To 2,000, Deduct	*-81.10*	
		For >2,000 To 5,000, Deduct	*-132.53*	
		For >5,000, Deduct	*-219.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,222.45	
		For Vinylester Resin, Add	*810.26*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*773.58*	
		For >10 To 25, Add	*451.73*	
		For >25 To 50, Add	*328.91*	
		For >50 To 100, Add	*164.46*	
		For >500 To 1,000, Deduct	*-62.75*	
		For >1,000 To 2,000, Deduct	*-94.93*	
		For >2,000 To 5,000, Deduct	*-155.14*	
		For >5,000, Deduct	*-257.48*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,400.58	
		For Vinylester Resin, Add	*928.33*	
		For Epoxy Resin, Add	*109.41*	
		For Up To >10, Add	*886.27*	
		For >10 To 25, Add	*517.52*	
		For >25 To 50, Add	*376.82*	
		For >50 To 100, Add	*188.41*	
		For >500 To 1,000, Deduct	*-71.89*	
		For >1,000 To 2,000, Deduct	*-108.76*	
		For >2,000 To 5,000, Deduct	*-177.74*	
		For >5,000, Deduct	*-294.99*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,578.70	
		For Vinylester Resin, Add	*1,046.41*	
		For Epoxy Resin, Add	*123.33*	
		For Up To >10, Add	*998.93*	
		For >10 To 25, Add	*583.29*	
		For >25 To 50, Add	*424.72*	
		For >50 To 100, Add	*212.36*	
		For >500 To 1,000, Deduct	*-81.03*	
		For >1,000 To 2,000, Deduct	*-122.59*	
		For >2,000 To 5,000, Deduct	*-200.34*	
		For >5,000, Deduct	*-332.51*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,756.84	
		For Vinylester Resin, Add	*1,164.49*	
		For Epoxy Resin, Add	*137.24*	
		For Up To >10, Add	*1,111.65*	
		For >10 To 25, Add	*649.11*	
		For >25 To 50, Add	*472.65*	
		For >50 To 100, Add	*236.32*	
		For >500 To 1,000, Deduct	*-90.17*	
		For >1,000 To 2,000, Deduct	*-136.43*	
		For >2,000 To 5,000, Deduct	*-222.95*	
		For >5,000, Deduct	*-370.03*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,938.32	
		For Vinylester Resin, Add	*1,282.56*	
		For Epoxy Resin, Add	*151.16*	
		For Up To >10, Add	*1,234.39*	
		For >10 To 25, Add	*723.28*	
		For >25 To 50, Add	*525.58*	
		For >50 To 100, Add	*262.79*	
		For >500 To 1,000, Deduct	*-99.57*	
		For >1,000 To 2,000, Deduct	*-150.68*	
		For >2,000 To 5,000, Deduct	*-246.39*	
		For >5,000, Deduct	*-408.88*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,116.76	
		For Vinylester Resin, Add	*1,400.64*	
		For Epoxy Resin, Add	*165.08*	
		For Up To >10, Add	*1,348.01*	
		For >10 To 25, Add	*789.85*	
		For >25 To 50, Add	*573.96*	
		For >50 To 100, Add	*286.98*	
		For >500 To 1,000, Deduct	*-108.73*	
		For >1,000 To 2,000, Deduct	*-164.55*	
		For >2,000 To 5,000, Deduct	*-269.07*	
		For >5,000, Deduct	*-446.52*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	548.73	
		For Vinylester Resin, Add	*360.85*	
		For Epoxy Resin, Add	*42.53*	
		For Up To >10, Add	*357.44*	
		For >10 To 25, Add	*211.95*	
		For >25 To 50, Add	*152.95*	
		For >50 To 100, Add	*76.47*	
		For >500 To 1,000, Deduct	*-28.27*	
		For >1,000 To 2,000, Deduct	*-42.82*	
		For >2,000 To 5,000, Deduct	*-70.17*	
		For >5,000, Deduct	*-116.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	641.83	
		For Vinylester Resin, Add	*424.10*	
		For Epoxy Resin, Add	*49.98*	
		For Up To >10, Add	*410.84*	
		For >10 To 25, Add	*241.39*	
		For >25 To 50, Add	*175.13*	
		For >50 To 100, Add	*87.56*	
		For >500 To 1,000, Deduct	*-32.99*	
		For >1,000 To 2,000, Deduct	*-49.94*	
		For >2,000 To 5,000, Deduct	*-81.70*	
		For >5,000, Deduct	*-135.56*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	735.86	
		For Vinylester Resin, Add	*487.36*	
		For Epoxy Resin, Add	*57.44*	
		For Up To >10, Add	*467.01*	
		For >10 To 25, Add	*273.13*	
		For >25 To 50, Add	*198.69*	
		For >50 To 100, Add	*99.35*	
		For >500 To 1,000, Deduct	*-37.78*	
		For >1,000 To 2,000, Deduct	*-57.17*	
		For >2,000 To 5,000, Deduct	*-93.46*	
		For >5,000, Deduct	*-155.10*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	830.34	
		For Vinylester Resin, Add	*550.61*	
		For Epoxy Resin, Add	*64.89*	
		For Up To >10, Add	*524.55*	
		For >10 To 25, Add	*306.02*	
		For >25 To 50, Add	*222.94*	
		For >50 To 100, Add	*111.47*	
		For >500 To 1,000, Deduct	*-42.61*	
		For >1,000 To 2,000, Deduct	*-64.46*	
		For >2,000 To 5,000, Deduct	*-105.33*	
		For >5,000, Deduct	*-174.82*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	925.73	
		For Vinylester Resin, Add	*613.87*	
		For Epoxy Resin, Add	*72.35*	
		For Up To >10, Add	*584.82*	
		For >10 To 25, Add	*341.19*	
		For >25 To 50, Add	*248.56*	
		For >50 To 100, Add	*124.28*	
		For >500 To 1,000, Deduct	*-47.51*	
		For >1,000 To 2,000, Deduct	*-71.87*	
		For >2,000 To 5,000, Deduct	*-117.43*	
		For >5,000, Deduct	*-194.90*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,116.52	
		For Vinylester Resin, Add	*740.38*	
		For Epoxy Resin, Add	*87.26*	
		For Up To >10, Add	*705.36*	
		For >10 To 25, Add	*411.52*	
		For >25 To 50, Add	*299.80*	
		For >50 To 100, Add	*149.90*	
		For >500 To 1,000, Deduct	*-57.30*	
		For >1,000 To 2,000, Deduct	*-86.68*	
		For >2,000 To 5,000, Deduct	*-141.63*	
		For >5,000, Deduct	*-235.07*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,307.31	
		For Vinylester Resin, Add	*866.89*	
		For Epoxy Resin, Add	*102.17*	
		For Up To >10, Add	*825.91*	
		For >10 To 25, Add	*481.85*	
		For >25 To 50, Add	*351.03*	
		For >50 To 100, Add	*175.52*	
		For >500 To 1,000, Deduct	*-67.09*	
		For >1,000 To 2,000, Deduct	*-101.49*	
		For >2,000 To 5,000, Deduct	*-165.83*	
		For >5,000, Deduct	*-275.24*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,498.10	
		For Vinylester Resin, Add	*993.40*	
		For Epoxy Resin, Add	*117.08*	
		For Up To >10, Add	*946.45*	
		For >10 To 25, Add	*552.19*	
		For >25 To 50, Add	*402.27*	
		For >50 To 100, Add	*201.13*	
		For >500 To 1,000, Deduct	*-76.88*	
		For >1,000 To 2,000, Deduct	*-116.31*	
		For >2,000 To 5,000, Deduct	*-190.04*	
		For >5,000, Deduct	*-315.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,688.89	
		For Vinylester Resin, Add	*1,119.91*	
		For Epoxy Resin, Add	*131.99*	
		For Up To >10, Add	*1,067.00*	
		For >10 To 25, Add	*622.52*	
		For >25 To 50, Add	*453.50*	
		For >50 To 100, Add	*226.75*	
		For >500 To 1,000, Deduct	*-86.67*	
		For >1,000 To 2,000, Deduct	*-131.12*	
		For >2,000 To 5,000, Deduct	*-214.24*	
		For >5,000, Deduct	*-355.58*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,879.68	
		For Vinylester Resin, Add	*1,246.41*	
		For Epoxy Resin, Add	*146.90*	
		For Up To >10, Add	*1,187.57*	
		For >10 To 25, Add	*692.87*	
		For >25 To 50, Add	*504.75*	
		For >50 To 100, Add	*252.38*	
		For >500 To 1,000, Deduct	*-96.46*	
		For >1,000 To 2,000, Deduct	*-145.93*	
		For >2,000 To 5,000, Deduct	*-238.44*	
		For >5,000, Deduct	*-395.75*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,073.97	
		For Vinylester Resin, Add	*1,372.92*	
		For Epoxy Resin, Add	*161.81*	
		For Up To >10, Add	*1,318.61*	
		For >10 To 25, Add	*771.96*	
		For >25 To 50, Add	*561.24*	
		For >50 To 100, Add	*280.62*	
		For >500 To 1,000, Deduct	*-106.51*	
		For >1,000 To 2,000, Deduct	*-161.18*	
		For >2,000 To 5,000, Deduct	*-263.52*	
		For >5,000, Deduct	*-437.32*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,265.07	
		For Vinylester Resin, Add	*1,499.44*	
		For Epoxy Resin, Add	*176.72*	
		For Up To >10, Add	*1,440.09*	
		For >10 To 25, Add	*843.06*	
		For >25 To 50, Add	*612.94*	
		For >50 To 100, Add	*306.47*	
		For >500 To 1,000, Deduct	*-116.33*	
		For >1,000 To 2,000, Deduct	*-176.03*	
		For >2,000 To 5,000, Deduct	*-287.80*	
		For >5,000, Deduct	*-477.62*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	581.96	
		For Vinylester Resin, Add	*383.58*	
		For Epoxy Resin, Add	*45.21*	
		For Up To >10, Add	*375.96*	
		For >10 To 25, Add	*221.97*	
		For >25 To 50, Add	*160.58*	
		For >50 To 100, Add	*80.29*	
		For >500 To 1,000, Deduct	*-29.95*	
		For >1,000 To 2,000, Deduct	*-45.35*	
		For >2,000 To 5,000, Deduct	*-74.25*	
		For >5,000, Deduct	*-123.19*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	681.10	
		For Vinylester Resin, Add	*451.05*	
		For Epoxy Resin, Add	*53.16*	
		For Up To >10, Add	*432.40*	
		For >10 To 25, Add	*252.94*	
		For >25 To 50, Add	*183.98*	
		For >50 To 100, Add	*91.99*	
		For >500 To 1,000, Deduct	*-34.97*	
		For >1,000 To 2,000, Deduct	*-52.92*	
		For >2,000 To 5,000, Deduct	*-86.51*	
		For >5,000, Deduct	*-143.57*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	781.60	
		For Vinylester Resin, Add	*518.53*	
		For Epoxy Resin, Add	*61.11*	
		For Up To >10, Add	*492.93*	
		For >10 To 25, Add	*287.31*	
		For >25 To 50, Add	*209.43*	
		For >50 To 100, Add	*104.71*	
		For >500 To 1,000, Deduct	*-40.10*	
		For >1,000 To 2,000, Deduct	*-60.66*	
		For >2,000 To 5,000, Deduct	*-99.10*	
		For >5,000, Deduct	*-164.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	883.31	
		For Vinylester Resin, Add	*585.99*	
		For Epoxy Resin, Add	*69.06*	
		For Up To >10, Add	*557.11*	
		For >10 To 25, Add	*324.73*	
		For >25 To 50, Add	*236.70*	
		For >50 To 100, Add	*118.35*	
		For >500 To 1,000, Deduct	*-45.32*	
		For >1,000 To 2,000, Deduct	*-68.56*	
		For >2,000 To 5,000, Deduct	*-112.00*	
		For >5,000, Deduct	*-185.90*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	985.04	
		For Vinylester Resin, Add	*653.46*	
		For Epoxy Resin, Add	*77.02*	
		For Up To >10, Add	*621.32*	
		For >10 To 25, Add	*362.18*	
		For >25 To 50, Add	*263.98*	
		For >50 To 100, Add	*131.99*	
		For >500 To 1,000, Deduct	*-50.54*	
		For >1,000 To 2,000, Deduct	*-76.45*	
		For >2,000 To 5,000, Deduct	*-124.90*	
		For >5,000, Deduct	*-207.31*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,188.49	
		For Vinylester Resin, Add	*788.41*	
		For Epoxy Resin, Add	*92.92*	
		For Up To >10, Add	*749.72*	
		For >10 To 25, Add	*437.05*	
		For >25 To 50, Add	*318.55*	
		For >50 To 100, Add	*159.27*	
		For >500 To 1,000, Deduct	*-60.98*	
		For >1,000 To 2,000, Deduct	*-92.25*	
		For >2,000 To 5,000, Deduct	*-150.70*	
		For >5,000, Deduct	*-250.14*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,438.79	
		For Vinylester Resin, Add	*956.26*	
		For Epoxy Resin, Add	*112.70*	
		For Up To >10, Add	*901.17*	
		For >10 To 25, Add	*523.30*	
		For >25 To 50, Add	*382.28*	
		For >50 To 100, Add	*191.14*	
		For >500 To 1,000, Deduct	*-73.76*	
		For >1,000 To 2,000, Deduct	*-111.54*	
		For >2,000 To 5,000, Deduct	*-182.11*	
		For >5,000, Deduct	*-302.30*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,595.23	
		For Vinylester Resin, Add	*1,058.30*	
		For Epoxy Resin, Add	*124.73*	
		For Up To >10, Add	*1,006.07*	
		For >10 To 25, Add	*586.41*	
		For >25 To 50, Add	*427.44*	
		For >50 To 100, Add	*213.72*	
		For >500 To 1,000, Deduct	*-81.85*	
		For >1,000 To 2,000, Deduct	*-123.81*	
		For >2,000 To 5,000, Deduct	*-202.27*	
		For >5,000, Deduct	*-335.72*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,798.68	
		For Vinylester Resin, Add	*1,193.24*	
		For Epoxy Resin, Add	*140.63*	
		For Up To >10, Add	*1,134.47*	
		For >10 To 25, Add	*661.28*	
		For >25 To 50, Add	*482.00*	
		For >50 To 100, Add	*241.00*	
		For >500 To 1,000, Deduct	*-92.29*	
		For >1,000 To 2,000, Deduct	*-139.60*	
		For >2,000 To 5,000, Deduct	*-228.07*	
		For >5,000, Deduct	*-378.55*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,002.12	
		For Vinylester Resin, Add	*1,328.18*	
		For Epoxy Resin, Add	*156.54*	
		For Up To >10, Add	*1,262.86*	
		For >10 To 25, Add	*736.15*	
		For >25 To 50, Add	*536.56*	
		For >50 To 100, Add	*268.28*	
		For >500 To 1,000, Deduct	*-102.72*	
		For >1,000 To 2,000, Deduct	*-155.40*	
		For >2,000 To 5,000, Deduct	*-253.87*	
		For >5,000, Deduct	*-421.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,209.23	
		For Vinylester Resin, Add	*1,463.13*	
		For Epoxy Resin, Add	*172.44*	
		For Up To >10, Add	*1,402.24*	
		For >10 To 25, Add	*820.17*	
		For >25 To 50, Add	*596.61*	
		For >50 To 100, Add	*298.31*	
		For >500 To 1,000, Deduct	*-113.44*	
		For >1,000 To 2,000, Deduct	*-171.64*	
		For >2,000 To 5,000, Deduct	*-280.58*	
		For >5,000, Deduct	*-465.66*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,412.99	
		For Vinylester Resin, Add	*1,598.07*	
		For Epoxy Resin, Add	*188.34*	
		For Up To >10, Add	*1,531.57*	
		For >10 To 25, Add	*895.82*	
		For >25 To 50, Add	*651.64*	
		For >50 To 100, Add	*325.82*	
		For >500 To 1,000, Deduct	*-123.90*	
		For >1,000 To 2,000, Deduct	*-187.48*	
		For >2,000 To 5,000, Deduct	*-306.46*	
		For >5,000, Deduct	*-508.60*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,616.73	
		For Vinylester Resin, Add	*1,733.01*	
		For Epoxy Resin, Add	*204.25*	
		For Up To >10, Add	*1,660.87*	
		For >10 To 25, Add	*971.43*	
		For >25 To 50, Add	*706.65*	
		For >50 To 100, Add	*353.32*	
		For >500 To 1,000, Deduct	*-134.36*	
		For >1,000 To 2,000, Deduct	*-203.30*	
		For >2,000 To 5,000, Deduct	*-332.34*	
		For >5,000, Deduct	*-551.55*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,820.49	
		For Vinylester Resin, Add	*1,867.96*	
		For Epoxy Resin, Add	*220.15*	
		For Up To >10, Add	*1,790.20*	
		For >10 To 25, Add	*1,047.08*	
		For >25 To 50, Add	*761.67*	
		For >50 To 100, Add	*380.84*	
		For >500 To 1,000, Deduct	*-144.82*	
		For >1,000 To 2,000, Deduct	*-219.14*	
		For >2,000 To 5,000, Deduct	*-358.22*	
		For >5,000, Deduct	*-594.49*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	720.57	
		For Vinylester Resin, Add	*477.83*	
		For Epoxy Resin, Add	*56.32*	
		For Up To >10, Add	*455.19*	
		For >10 To 25, Add	*265.55*	
		For >25 To 50, Add	*193.46*	
		For >50 To 100, Add	*96.73*	
		For >500 To 1,000, Deduct	*-36.98*	
		For >1,000 To 2,000, Deduct	*-55.94*	
		For >2,000 To 5,000, Deduct	*-91.40*	
		For >5,000, Deduct	*-151.71*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	828.01	
		For Vinylester Resin, Add	*549.51*	
		For Epoxy Resin, Add	*64.76*	
		For Up To >10, Add	*521.48*	
		For >10 To 25, Add	*303.73*	
		For >25 To 50, Add	*221.49*	
		For >50 To 100, Add	*110.74*	
		For >500 To 1,000, Deduct	*-42.48*	
		For >1,000 To 2,000, Deduct	*-64.25*	
		For >2,000 To 5,000, Deduct	*-104.95*	
		For >5,000, Deduct	*-174.20*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	936.07	
		For Vinylester Resin, Add	*621.21*	
		For Epoxy Resin, Add	*73.21*	
		For Up To >10, Add	*589.61*	
		For >10 To 25, Add	*343.44*	
		For >25 To 50, Add	*250.43*	
		For >50 To 100, Add	*125.22*	
		For >500 To 1,000, Deduct	*-48.02*	
		For >1,000 To 2,000, Deduct	*-72.64*	
		For >2,000 To 5,000, Deduct	*-118.65*	
		For >5,000, Deduct	*-196.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,043.97	
		For Vinylester Resin, Add	*692.90*	
		For Epoxy Resin, Add	*81.66*	
		For Up To >10, Add	*657.29*	
		For >10 To 25, Add	*382.76*	
		For >25 To 50, Add	*279.15*	
		For >50 To 100, Add	*139.58*	
		For >500 To 1,000, Deduct	*-53.55*	
		For >1,000 To 2,000, Deduct	*-81.00*	
		For >2,000 To 5,000, Deduct	*-132.31*	
		For >5,000, Deduct	*-219.62*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,260.07	
		For Vinylester Resin, Add	*836.27*	
		For Epoxy Resin, Add	*98.56*	
		For Up To >10, Add	*793.54*	
		For >10 To 25, Add	*462.17*	
		For >25 To 50, Add	*337.03*	
		For >50 To 100, Add	*168.52*	
		For >500 To 1,000, Deduct	*-64.64*	
		For >1,000 To 2,000, Deduct	*-97.78*	
		For >2,000 To 5,000, Deduct	*-159.71*	
		For >5,000, Deduct	*-265.09*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,476.02	
		For Vinylester Resin, Add	*979.65*	
		For Epoxy Resin, Add	*115.46*	
		For Up To >10, Add	*929.31*	
		For >10 To 25, Add	*541.18*	
		For >25 To 50, Add	*394.68*	
		For >50 To 100, Add	*197.34*	
		For >500 To 1,000, Deduct	*-75.71*	
		For >1,000 To 2,000, Deduct	*-114.53*	
		For >2,000 To 5,000, Deduct	*-187.07*	
		For >5,000, Deduct	*-310.51*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,692.13	
		For Vinylester Resin, Add	*1,123.03*	
		For Epoxy Resin, Add	*132.36*	
		For Up To >10, Add	*1,065.57*	
		For >10 To 25, Add	*620.58*	
		For >25 To 50, Add	*452.57*	
		For >50 To 100, Add	*226.28*	
		For >500 To 1,000, Deduct	*-86.80*	
		For >1,000 To 2,000, Deduct	*-131.30*	
		For >2,000 To 5,000, Deduct	*-214.47*	
		For >5,000, Deduct	*-355.99*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,908.08	
		For Vinylester Resin, Add	*1,266.41*	
		For Epoxy Resin, Add	*149.25*	
		For Up To >10, Add	*1,201.37*	
		For >10 To 25, Add	*699.61*	
		For >25 To 50, Add	*510.23*	
		For >50 To 100, Add	*255.11*	
		For >500 To 1,000, Deduct	*-97.88*	
		For >1,000 To 2,000, Deduct	*-148.05*	
		For >2,000 To 5,000, Deduct	*-241.83*	
		For >5,000, Deduct	*-401.40*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,124.19	
		For Vinylester Resin, Add	*1,409.79*	
		For Epoxy Resin, Add	*166.15*	
		For Up To >10, Add	*1,337.62*	
		For >10 To 25, Add	*779.02*	
		For >25 To 50, Add	*568.11*	
		For >50 To 100, Add	*284.06*	
		For >500 To 1,000, Deduct	*-108.96*	
		For >1,000 To 2,000, Deduct	*-164.82*	
		For >2,000 To 5,000, Deduct	*-269.23*	
		For >5,000, Deduct	*-446.88*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,345.17	
		For Vinylester Resin, Add	*1,553.16*	
		For Epoxy Resin, Add	*183.05*	
		For Up To >10, Add	*1,488.51*	
		For >10 To 25, Add	*870.63*	
		For >25 To 50, Add	*633.32*	
		For >50 To 100, Add	*316.66*	
		For >500 To 1,000, Deduct	*-120.42*	
		For >1,000 To 2,000, Deduct	*-182.21*	
		For >2,000 To 5,000, Deduct	*-297.85*	
		For >5,000, Deduct	*-494.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,561.73	
		For Vinylester Resin, Add	*1,696.54*	
		For Epoxy Resin, Add	*199.95*	
		For Up To >10, Add	*1,626.12*	
		For >10 To 25, Add	*951.16*	
		For >25 To 50, Add	*691.88*	
		For >50 To 100, Add	*345.94*	
		For >500 To 1,000, Deduct	*-131.54*	
		For >1,000 To 2,000, Deduct	*-199.03*	
		For >2,000 To 5,000, Deduct	*-325.36*	
		For >5,000, Deduct	*-539.97*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,778.14	
		For Vinylester Resin, Add	*1,839.92*	
		For Epoxy Resin, Add	*216.85*	
		For Up To >10, Add	*1,763.30*	
		For >10 To 25, Add	*1,031.34*	
		For >25 To 50, Add	*750.23*	
		For >50 To 100, Add	*375.11*	
		For >500 To 1,000, Deduct	*-142.65*	
		For >1,000 To 2,000, Deduct	*-215.85*	
		For >2,000 To 5,000, Deduct	*-352.84*	
		For >5,000, Deduct	*-585.57*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,994.69	
		For Vinylester Resin, Add	*1,983.29*	
		For Epoxy Resin, Add	*233.74*	
		For Up To >10, Add	*1,900.90*	
		For >10 To 25, Add	*1,111.87*	
		For >25 To 50, Add	*808.78*	
		For >50 To 100, Add	*404.39*	
		For >500 To 1,000, Deduct	*-153.77*	
		For >1,000 To 2,000, Deduct	*-232.67*	
		For >2,000 To 5,000, Deduct	*-380.35*	
		For >5,000, Deduct	*-631.22*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	759.65	
		For Vinylester Resin, Add	*504.44*	
		For Epoxy Resin, Add	*59.45*	
		For Up To >10, Add	*477.38*	
		For >10 To 25, Add	*277.71*	
		For >25 To 50, Add	*202.66*	
		For >50 To 100, Add	*101.33*	
		For >500 To 1,000, Deduct	*-38.96*	
		For >1,000 To 2,000, Deduct	*-58.92*	
		For >2,000 To 5,000, Deduct	*-96.23*	
		For >5,000, Deduct	*-159.73*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	874.04	
		For Vinylester Resin, Add	*580.35*	
		For Epoxy Resin, Add	*68.40*	
		For Up To >10, Add	*549.45*	
		For >10 To 25, Add	*319.69*	
		For >25 To 50, Add	*233.27*	
		For >50 To 100, Add	*116.63*	
		For >500 To 1,000, Deduct	*-44.83*	
		For >1,000 To 2,000, Deduct	*-67.80*	
		For >2,000 To 5,000, Deduct	*-110.73*	
		For >5,000, Deduct	*-183.80*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	988.42	
		For Vinylester Resin, Add	*656.26*	
		For Epoxy Resin, Add	*77.34*	
		For Up To >10, Add	*621.49*	
		For >10 To 25, Add	*361.65*	
		For >25 To 50, Add	*263.87*	
		For >50 To 100, Add	*131.93*	
		For >500 To 1,000, Deduct	*-50.69*	
		For >1,000 To 2,000, Deduct	*-76.68*	
		For >2,000 To 5,000, Deduct	*-125.23*	
		For >5,000, Deduct	*-207.87*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,102.66	
		For Vinylester Resin, Add	*732.17*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*693.11*	
		For >10 To 25, Add	*403.26*	
		For >25 To 50, Add	*294.26*	
		For >50 To 100, Add	*147.13*	
		For >500 To 1,000, Deduct	*-56.55*	
		For >1,000 To 2,000, Deduct	*-85.54*	
		For >2,000 To 5,000, Deduct	*-139.69*	
		For >5,000, Deduct	*-231.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,331.27	
		For Vinylester Resin, Add	*883.97*	
		For Epoxy Resin, Add	*104.18*	
		For Up To >10, Add	*836.76*	
		For >10 To 25, Add	*486.83*	
		For >25 To 50, Add	*355.24*	
		For >50 To 100, Add	*177.62*	
		For >500 To 1,000, Deduct	*-68.27*	
		For >1,000 To 2,000, Deduct	*-103.27*	
		For >2,000 To 5,000, Deduct	*-168.65*	
		For >5,000, Deduct	*-279.94*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,560.02	
		For Vinylester Resin, Add	*1,035.78*	
		For Epoxy Resin, Add	*122.07*	
		For Up To >10, Add	*980.84*	
		For >10 To 25, Add	*570.75*	
		For >25 To 50, Add	*416.43*	
		For >50 To 100, Add	*208.22*	
		For >500 To 1,000, Deduct	*-80.01*	
		For >1,000 To 2,000, Deduct	*-121.02*	
		For >2,000 To 5,000, Deduct	*-197.65*	
		For >5,000, Deduct	*-328.07*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,788.64	
		For Vinylester Resin, Add	*1,187.60*	
		For Epoxy Resin, Add	*139.97*	
		For Up To >10, Add	*1,124.50*	
		For >10 To 25, Add	*654.32*	
		For >25 To 50, Add	*477.42*	
		For >50 To 100, Add	*238.71*	
		For >500 To 1,000, Deduct	*-91.73*	
		For >1,000 To 2,000, Deduct	*-138.75*	
		For >2,000 To 5,000, Deduct	*-226.61*	
		For >5,000, Deduct	*-376.14*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,017.24	
		For Vinylester Resin, Add	*1,339.41*	
		For Epoxy Resin, Add	*157.86*	
		For Up To >10, Add	*1,268.12*	
		For >10 To 25, Add	*737.86*	
		For >25 To 50, Add	*538.39*	
		For >50 To 100, Add	*269.19*	
		For >500 To 1,000, Deduct	*-103.46*	
		For >1,000 To 2,000, Deduct	*-156.48*	
		For >2,000 To 5,000, Deduct	*-255.56*	
		For >5,000, Deduct	*-424.21*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,245.85	
		For Vinylester Resin, Add	*1,491.22*	
		For Epoxy Resin, Add	*175.75*	
		For Up To >10, Add	*1,411.78*	
		For >10 To 25, Add	*821.43*	
		For >25 To 50, Add	*599.37*	
		For >50 To 100, Add	*299.69*	
		For >500 To 1,000, Deduct	*-115.18*	
		For >1,000 To 2,000, Deduct	*-174.22*	
		For >2,000 To 5,000, Deduct	*-284.52*	
		For >5,000, Deduct	*-472.28*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,480.88	
		For Vinylester Resin, Add	*1,643.03*	
		For Epoxy Resin, Add	*193.64*	
		For Up To >10, Add	*1,574.67*	
		For >10 To 25, Add	*921.02*	
		For >25 To 50, Add	*669.97*	
		For >50 To 100, Add	*334.99*	
		For >500 To 1,000, Deduct	*-127.39*	
		For >1,000 To 2,000, Deduct	*-192.75*	
		For >2,000 To 5,000, Deduct	*-315.09*	
		For >5,000, Deduct	*-522.91*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,710.09	
		For Vinylester Resin, Add	*1,794.84*	
		For Epoxy Resin, Add	*211.53*	
		For Up To >10, Add	*1,720.12*	
		For >10 To 25, Add	*1,006.09*	
		For >25 To 50, Add	*731.86*	
		For >50 To 100, Add	*365.93*	
		For >500 To 1,000, Deduct	*-139.16*	
		For >1,000 To 2,000, Deduct	*-210.56*	
		For >2,000 To 5,000, Deduct	*-344.19*	
		For >5,000, Deduct	*-571.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,939.30	
		For Vinylester Resin, Add	*1,946.65*	
		For Epoxy Resin, Add	*229.43*	
		For Up To >10, Add	*1,865.58*	
		For >10 To 25, Add	*1,091.16*	
		For >25 To 50, Add	*793.74*	
		For >50 To 100, Add	*396.87*	
		For >500 To 1,000, Deduct	*-150.92*	
		For >1,000 To 2,000, Deduct	*-228.37*	
		For >2,000 To 5,000, Deduct	*-373.30*	
		For >5,000, Deduct	*-619.53*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,168.52	
		For Vinylester Resin, Add	*2,098.46*	
		For Epoxy Resin, Add	*247.32*	
		For Up To >10, Add	*2,011.06*	
		For >10 To 25, Add	*1,176.25*	
		For >25 To 50, Add	*855.64*	
		For >50 To 100, Add	*427.82*	
		For >500 To 1,000, Deduct	*-162.69*	
		For >1,000 To 2,000, Deduct	*-246.18*	
		For >2,000 To 5,000, Deduct	*-402.42*	
		For >5,000, Deduct	*-667.85*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	919.52	
		For Vinylester Resin, Add	*611.02*	
		For Epoxy Resin, Add	*72.01*	
		For Up To >10, Add	*576.36*	
		For >10 To 25, Add	*334.82*	
		For >25 To 50, Add	*244.54*	
		For >50 To 100, Add	*122.27*	
		For >500 To 1,000, Deduct	*-47.14*	
		For >1,000 To 2,000, Deduct	*-71.30*	
		For >2,000 To 5,000, Deduct	*-116.41*	
		For >5,000, Deduct	*-193.23*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,040.23	
		For Vinylester Resin, Add	*691.14*	
		For Epoxy Resin, Add	*81.46*	
		For Up To >10, Add	*652.34*	
		For >10 To 25, Add	*379.06*	
		For >25 To 50, Add	*276.80*	
		For >50 To 100, Add	*138.40*	
		For >500 To 1,000, Deduct	*-53.33*	
		For >1,000 To 2,000, Deduct	*-80.66*	
		For >2,000 To 5,000, Deduct	*-131.70*	
		For >5,000, Deduct	*-218.62*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,160.79	
		For Vinylester Resin, Add	*771.26*	
		For Epoxy Resin, Add	*90.90*	
		For Up To >10, Add	*727.87*	
		For >10 To 25, Add	*422.93*	
		For >25 To 50, Add	*308.85*	
		For >50 To 100, Add	*154.42*	
		For >500 To 1,000, Deduct	*-59.51*	
		For >1,000 To 2,000, Deduct	*-90.01*	
		For >2,000 To 5,000, Deduct	*-146.96*	
		For >5,000, Deduct	*-243.96*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,469.56	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*912.73*	
		For >10 To 25, Add	*527.55*	
		For >25 To 50, Add	*386.45*	
		For >50 To 100, Add	*193.22*	
		For >500 To 1,000, Deduct	*-75.26*	
		For >1,000 To 2,000, Deduct	*-113.78*	
		For >2,000 To 5,000, Deduct	*-185.60*	
		For >5,000, Deduct	*-308.15*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,643.17	
		For Vinylester Resin, Add	*1,091.75*	
		For Epoxy Resin, Add	*128.67*	
		For Up To >10, Add	*1,030.41*	
		For >10 To 25, Add	*598.74*	
		For >25 To 50, Add	*437.22*	
		For >50 To 100, Add	*218.61*	
		For >500 To 1,000, Deduct	*-84.25*	
		For >1,000 To 2,000, Deduct	*-127.41*	
		For >2,000 To 5,000, Deduct	*-208.04*	
		For >5,000, Deduct	*-345.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,884.30	
		For Vinylester Resin, Add	*1,252.00*	
		For Epoxy Resin, Add	*147.56*	
		For Up To >10, Add	*1,181.48*	
		For >10 To 25, Add	*686.47*	
		For >25 To 50, Add	*501.31*	
		For >50 To 100, Add	*250.65*	
		For >500 To 1,000, Deduct	*-96.61*	
		For >1,000 To 2,000, Deduct	*-146.11*	
		For >2,000 To 5,000, Deduct	*-238.56*	
		For >5,000, Deduct	*-396.01*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,125.41	
		For Vinylester Resin, Add	*1,412.24*	
		For Epoxy Resin, Add	*166.44*	
		For Up To >10, Add	*1,332.51*	
		For >10 To 25, Add	*774.17*	
		For >25 To 50, Add	*565.38*	
		For >50 To 100, Add	*282.69*	
		For >500 To 1,000, Deduct	*-108.97*	
		For >1,000 To 2,000, Deduct	*-164.80*	
		For >2,000 To 5,000, Deduct	*-269.08*	
		For >5,000, Deduct	*-446.67*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,366.52	
		For Vinylester Resin, Add	*1,572.49*	
		For Epoxy Resin, Add	*185.33*	
		For Up To >10, Add	*1,483.54*	
		For >10 To 25, Add	*861.88*	
		For >25 To 50, Add	*629.45*	
		For >50 To 100, Add	*314.72*	
		For >500 To 1,000, Deduct	*-121.33*	
		For >1,000 To 2,000, Deduct	*-183.49*	
		For >2,000 To 5,000, Deduct	*-299.60*	
		For >5,000, Deduct	*-497.33*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,614.35	
		For Vinylester Resin, Add	*1,732.73*	
		For Epoxy Resin, Add	*204.21*	
		For Up To >10, Add	*1,654.73*	
		For >10 To 25, Add	*966.38*	
		For >25 To 50, Add	*703.60*	
		For >50 To 100, Add	*351.80*	
		For >500 To 1,000, Deduct	*-134.19*	
		For >1,000 To 2,000, Deduct	*-203.03*	
		For >2,000 To 5,000, Deduct	*-331.79*	
		For >5,000, Deduct	*-550.67*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,856.07	
		For Vinylester Resin, Add	*1,892.98*	
		For Epoxy Resin, Add	*223.10*	
		For Up To >10, Add	*1,807.59*	
		For >10 To 25, Add	*1,055.61*	
		For >25 To 50, Add	*768.58*	
		For >50 To 100, Add	*384.29*	
		For >500 To 1,000, Deduct	*-146.60*	
		For >1,000 To 2,000, Deduct	*-221.80*	
		For >2,000 To 5,000, Deduct	*-362.47*	
		For >5,000, Deduct	*-601.58*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,097.95	
		For Vinylester Resin, Add	*2,053.22*	
		For Epoxy Resin, Add	*241.99*	
		For Up To >10, Add	*1,960.93*	
		For >10 To 25, Add	*1,145.24*	
		For >25 To 50, Add	*833.80*	
		For >50 To 100, Add	*416.90*	
		For >500 To 1,000, Deduct	*-159.02*	
		For >1,000 To 2,000, Deduct	*-240.59*	
		For >2,000 To 5,000, Deduct	*-393.18*	
		For >5,000, Deduct	*-652.55*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,339.68	
		For Vinylester Resin, Add	*2,213.47*	
		For Epoxy Resin, Add	*260.87*	
		For Up To >10, Add	*2,113.79*	
		For >10 To 25, Add	*1,234.48*	
		For >25 To 50, Add	*898.79*	
		For >50 To 100, Add	*449.40*	
		For >500 To 1,000, Deduct	*-171.42*	
		For >1,000 To 2,000, Deduct	*-259.36*	
		For >2,000 To 5,000, Deduct	*-423.85*	
		For >5,000, Deduct	*-703.45*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	964.77	
		For Vinylester Resin, Add	*641.52*	
		For Epoxy Resin, Add	*75.61*	
		For Up To >10, Add	*603.19*	
		For >10 To 25, Add	*349.91*	
		For >25 To 50, Add	*255.77*	
		For >50 To 100, Add	*127.89*	
		For >500 To 1,000, Deduct	*-49.45*	
		For >1,000 To 2,000, Deduct	*-74.77*	
		For >2,000 To 5,000, Deduct	*-122.05*	
		For >5,000, Deduct	*-202.62*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,091.67	
		For Vinylester Resin, Add	*725.86*	
		For Epoxy Resin, Add	*85.55*	
		For Up To >10, Add	*682.66*	
		For >10 To 25, Add	*396.06*	
		For >25 To 50, Add	*289.48*	
		For >50 To 100, Add	*144.74*	
		For >500 To 1,000, Deduct	*-55.95*	
		For >1,000 To 2,000, Deduct	*-84.61*	
		For >2,000 To 5,000, Deduct	*-138.12*	
		For >5,000, Deduct	*-229.28*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,218.53	
		For Vinylester Resin, Add	*810.19*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*762.07*	
		For >10 To 25, Add	*442.15*	
		For >25 To 50, Add	*323.16*	
		For >50 To 100, Add	*161.58*	
		For >500 To 1,000, Deduct	*-62.45*	
		For >1,000 To 2,000, Deduct	*-94.45*	
		For >2,000 To 5,000, Deduct	*-154.17*	
		For >5,000, Deduct	*-255.93*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,472.15	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*920.50*	
		For >10 To 25, Add	*534.02*	
		For >25 To 50, Add	*390.33*	
		For >50 To 100, Add	*195.17*	
		For >500 To 1,000, Deduct	*-75.45*	
		For >1,000 To 2,000, Deduct	*-114.10*	
		For >2,000 To 5,000, Deduct	*-186.25*	
		For >5,000, Deduct	*-309.18*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,725.93	
		For Vinylester Resin, Add	*1,147.55*	
		For Epoxy Resin, Add	*135.25*	
		For Up To >10, Add	*1,079.42*	
		For >10 To 25, Add	*626.29*	
		For >25 To 50, Add	*457.74*	
		For >50 To 100, Add	*228.87*	
		For >500 To 1,000, Deduct	*-88.46*	
		For >1,000 To 2,000, Deduct	*-133.77*	
		For >2,000 To 5,000, Deduct	*-218.37*	
		For >5,000, Deduct	*-362.50*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,979.56	
		For Vinylester Resin, Add	*1,316.23*	
		For Epoxy Resin, Add	*155.13*	
		For Up To >10, Add	*1,237.86*	
		For >10 To 25, Add	*718.16*	
		For >25 To 50, Add	*524.91*	
		For >50 To 100, Add	*262.46*	
		For >500 To 1,000, Deduct	*-101.46*	
		For >1,000 To 2,000, Deduct	*-153.43*	
		For >2,000 To 5,000, Deduct	*-250.45*	
		For >5,000, Deduct	*-415.76*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,233.34	
		For Vinylester Resin, Add	*1,484.91*	
		For Epoxy Resin, Add	*175.01*	
		For Up To >10, Add	*1,396.77*	
		For >10 To 25, Add	*810.43*	
		For >25 To 50, Add	*592.32*	
		For >50 To 100, Add	*296.16*	
		For >500 To 1,000, Deduct	*-114.47*	
		For >1,000 To 2,000, Deduct	*-173.10*	
		For >2,000 To 5,000, Deduct	*-282.57*	
		For >5,000, Deduct	*-469.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,486.96	
		For Vinylester Resin, Add	*1,653.59*	
		For Epoxy Resin, Add	*194.89*	
		For Up To >10, Add	*1,555.21*	
		For >10 To 25, Add	*902.29*	
		For >25 To 50, Add	*659.49*	
		For >50 To 100, Add	*329.74*	
		For >500 To 1,000, Deduct	*-127.47*	
		For >1,000 To 2,000, Deduct	*-192.76*	
		For >2,000 To 5,000, Deduct	*-314.64*	
		For >5,000, Deduct	*-522.33*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,747.60	
		For Vinylester Resin, Add	*1,822.27*	
		For Epoxy Resin, Add	*214.77*	
		For Up To >10, Add	*1,734.70*	
		For >10 To 25, Add	*1,011.71*	
		For >25 To 50, Add	*737.19*	
		For >50 To 100, Add	*368.59*	
		For >500 To 1,000, Deduct	*-140.99*	
		For >1,000 To 2,000, Deduct	*-213.29*	
		For >2,000 To 5,000, Deduct	*-348.48*	
		For >5,000, Deduct	*-578.39*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,001.83	
		For Vinylester Resin, Add	*1,990.95*	
		For Epoxy Resin, Add	*234.65*	
		For Up To >10, Add	*1,894.97*	
		For >10 To 25, Add	*1,105.10*	
		For >25 To 50, Add	*805.27*	
		For >50 To 100, Add	*402.64*	
		For >500 To 1,000, Deduct	*-154.03*	
		For >1,000 To 2,000, Deduct	*-233.02*	
		For >2,000 To 5,000, Deduct	*-380.71*	
		For >5,000, Deduct	*-631.89*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,256.21	
		For Vinylester Resin, Add	*2,159.63*	
		For Epoxy Resin, Add	*254.53*	
		For Up To >10, Add	*2,055.68*	
		For >10 To 25, Add	*1,198.87*	
		For >25 To 50, Add	*873.58*	
		For >50 To 100, Add	*436.79*	
		For >500 To 1,000, Deduct	*-167.09*	
		For >1,000 To 2,000, Deduct	*-252.77*	
		For >2,000 To 5,000, Deduct	*-412.98*	
		For >5,000, Deduct	*-685.45*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,510.59	
		For Vinylester Resin, Add	*2,328.31*	
		For Epoxy Resin, Add	*274.41*	
		For Up To >10, Add	*2,216.40*	
		For >10 To 25, Add	*1,292.64*	
		For >25 To 50, Add	*941.89*	
		For >50 To 100, Add	*470.95*	
		For >500 To 1,000, Deduct	*-180.14*	
		For >1,000 To 2,000, Deduct	*-272.52*	
		For >2,000 To 5,000, Deduct	*-445.25*	
		For >5,000, Deduct	*-739.01*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,764.82	
		For Vinylester Resin, Add	*2,496.98*	
		For Epoxy Resin, Add	*294.29*	
		For Up To >10, Add	*2,376.66*	
		For >10 To 25, Add	*1,386.03*	
		For >25 To 50, Add	*1,009.97*	
		For >50 To 100, Add	*504.99*	
		For >500 To 1,000, Deduct	*-193.18*	
		For >1,000 To 2,000, Deduct	*-292.25*	
		For >2,000 To 5,000, Deduct	*-477.48*	
		For >5,000, Deduct	*-792.50*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,019.21	
		For Vinylester Resin, Add	*2,665.66*	
		For Epoxy Resin, Add	*314.17*	
		For Up To >10, Add	*2,537.41*	
		For >10 To 25, Add	*1,479.82*	
		For >25 To 50, Add	*1,078.30*	
		For >50 To 100, Add	*539.15*	
		For >500 To 1,000, Deduct	*-206.24*	
		For >1,000 To 2,000, Deduct	*-312.00*	
		For >2,000 To 5,000, Deduct	*-509.75*	
		For >5,000, Deduct	*-846.07*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,009.78	
		For Vinylester Resin, Add	*671.85*	
		For Epoxy Resin, Add	*79.18*	
		For Up To >10, Add	*629.89*	
		For >10 To 25, Add	*364.95*	
		For >25 To 50, Add	*266.96*	
		For >50 To 100, Add	*133.48*	
		For >500 To 1,000, Deduct	*-51.74*	
		For >1,000 To 2,000, Deduct	*-78.23*	
		For >2,000 To 5,000, Deduct	*-127.67*	
		For >5,000, Deduct	*-211.96*	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,142.84	
		For Vinylester Resin, Add	*760.40*	
		For Epoxy Resin, Add	*89.62*	
		For Up To >10, Add	*712.80*	
		For >10 To 25, Add	*412.95*	
		For >25 To 50, Add	*302.08*	
		For >50 To 100, Add	*151.04*	
		For >500 To 1,000, Deduct	*-58.56*	
		For >1,000 To 2,000, Deduct	*-88.54*	
		For >2,000 To 5,000, Deduct	*-144.49*	
		For >5,000, Deduct	*-239.88*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,275.90	
		For Vinylester Resin, Add	*848.95*	
		For Epoxy Resin, Add	*100.06*	
		For Up To >10, Add	*795.73*	
		For >10 To 25, Add	*460.97*	
		For >25 To 50, Add	*337.22*	
		For >50 To 100, Add	*168.61*	
		For >500 To 1,000, Deduct	*-65.37*	
		For >1,000 To 2,000, Deduct	*-98.85*	
		For >2,000 To 5,000, Deduct	*-161.31*	
		For >5,000, Deduct	*-267.80*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,542.18	
		For Vinylester Resin, Add	*1,026.07*	
		For Epoxy Resin, Add	*120.93*	
		For Up To >10, Add	*962.02*	
		For >10 To 25, Add	*557.38*	
		For >25 To 50, Add	*407.72*	
		For >50 To 100, Add	*203.86*	
		For >500 To 1,000, Deduct	*-79.02*	
		For >1,000 To 2,000, Deduct	*-119.48*	
		For >2,000 To 5,000, Deduct	*-194.99*	
		For >5,000, Deduct	*-323.71*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,808.31	
		For Vinylester Resin, Add	*1,203.19*	
		For Epoxy Resin, Add	*141.80*	
		For Up To >10, Add	*1,127.83*	
		For >10 To 25, Add	*653.39*	
		For >25 To 50, Add	*477.97*	
		For >50 To 100, Add	*238.99*	
		For >500 To 1,000, Deduct	*-92.65*	
		For >1,000 To 2,000, Deduct	*-140.10*	
		For >2,000 To 5,000, Deduct	*-228.63*	
		For >5,000, Deduct	*-379.56*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,074.60	
		For Vinylester Resin, Add	*1,380.30*	
		For Epoxy Resin, Add	*162.68*	
		For Up To >10, Add	*1,294.15*	
		For >10 To 25, Add	*749.82*	
		For >25 To 50, Add	*548.48*	
		For >50 To 100, Add	*274.24*	
		For >500 To 1,000, Deduct	*-106.30*	
		For >1,000 To 2,000, Deduct	*-160.73*	
		For >2,000 To 5,000, Deduct	*-262.31*	
		For >5,000, Deduct	*-435.47*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,340.72	
		For Vinylester Resin, Add	*1,557.41*	
		For Epoxy Resin, Add	*183.55*	
		For Up To >10, Add	*1,459.99*	
		For >10 To 25, Add	*845.84*	
		For >25 To 50, Add	*618.75*	
		For >50 To 100, Add	*309.37*	
		For >500 To 1,000, Deduct	*-119.93*	
		For >1,000 To 2,000, Deduct	*-181.35*	
		For >2,000 To 5,000, Deduct	*-295.95*	
		For >5,000, Deduct	*-491.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,606.85	
		For Vinylester Resin, Add	*1,734.52*	
		For Epoxy Resin, Add	*204.43*	
		For Up To >10, Add	*1,625.83*	
		For >10 To 25, Add	*941.87*	
		For >25 To 50, Add	*689.02*	
		For >50 To 100, Add	*344.51*	
		For >500 To 1,000, Deduct	*-133.57*	
		For >1,000 To 2,000, Deduct	*-201.96*	
		For >2,000 To 5,000, Deduct	*-329.59*	
		For >5,000, Deduct	*-547.16*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,880.29	
		For Vinylester Resin, Add	*1,911.64*	
		For Epoxy Resin, Add	*225.30*	
		For Up To >10, Add	*1,813.60*	
		For >10 To 25, Add	*1,056.18*	
		For >25 To 50, Add	*770.25*	
		For >50 To 100, Add	*385.13*	
		For >500 To 1,000, Deduct	*-147.75*	
		For >1,000 To 2,000, Deduct	*-223.49*	
		For >2,000 To 5,000, Deduct	*-365.05*	
		For >5,000, Deduct	*-605.93*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,167.71	
		For Vinylester Resin, Add	*2,103.02*	
		For Epoxy Resin, Add	*247.86*	
		For Up To >10, Add	*1,992.36*	
		For >10 To 25, Add	*1,159.58*	
		For >25 To 50, Add	*845.96*	
		For >50 To 100, Add	*422.98*	
		For >500 To 1,000, Deduct	*-162.47*	
		For >1,000 To 2,000, Deduct	*-245.75*	
		For >2,000 To 5,000, Deduct	*-401.37*	
		For >5,000, Deduct	*-666.22*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,413.93	
		For Vinylester Resin, Add	*2,265.87*	
		For Epoxy Resin, Add	*267.05*	
		For Up To >10, Add	*2,149.42*	
		For >10 To 25, Add	*1,251.69*	
		For >25 To 50, Add	*912.86*	
		For >50 To 100, Add	*456.43*	
		For >500 To 1,000, Deduct	*-175.12*	
		For >1,000 To 2,000, Deduct	*-264.89*	
		For >2,000 To 5,000, Deduct	*-432.68*	
		For >5,000, Deduct	*-718.18*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,680.81	
		For Vinylester Resin, Add	*2,442.98*	
		For Epoxy Resin, Add	*287.92*	
		For Up To >10, Add	*2,317.51*	
		For >10 To 25, Add	*1,349.59*	
		For >25 To 50, Add	*984.25*	
		For >50 To 100, Add	*492.13*	
		For >500 To 1,000, Deduct	*-188.81*	
		For >1,000 To 2,000, Deduct	*-285.60*	
		For >2,000 To 5,000, Deduct	*-466.51*	
		For >5,000, Deduct	*-774.33*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,947.56	
		For Vinylester Resin, Add	*2,620.09*	
		For Epoxy Resin, Add	*308.80*	
		For Up To >10, Add	*2,485.21*	
		For >10 To 25, Add	*1,447.17*	
		For >25 To 50, Add	*1,055.45*	
		For >50 To 100, Add	*527.73*	
		For >500 To 1,000, Deduct	*-202.49*	
		For >1,000 To 2,000, Deduct	*-306.30*	
		For >2,000 To 5,000, Deduct	*-500.30*	
		For >5,000, Deduct	*-830.43*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,214.43	
		For Vinylester Resin, Add	*2,797.20*	
		For Epoxy Resin, Add	*329.67*	
		For Up To >10, Add	*2,653.29*	
		For >10 To 25, Add	*1,545.08*	
		For >25 To 50, Add	*1,126.85*	
		For >50 To 100, Add	*563.42*	
		For >500 To 1,000, Deduct	*-216.18*	
		For >1,000 To 2,000, Deduct	*-327.00*	
		For >2,000 To 5,000, Deduct	*-534.13*	
		For >5,000, Deduct	*-886.57*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,054.40	
		For Vinylester Resin, Add	*702.02*	
		For Epoxy Resin, Add	*82.74*	
		For Up To >10, Add	*656.00*	
		For >10 To 25, Add	*379.52*	
		For >25 To 50, Add	*277.86*	
		For >50 To 100, Add	*138.93*	
		For >500 To 1,000, Deduct	*-54.01*	
		For >1,000 To 2,000, Deduct	*-81.66*	
		For >2,000 To 5,000, Deduct	*-133.23*	
		For >5,000, Deduct	*-221.18*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,193.78	
		For Vinylester Resin, Add	*794.78*	
		For Epoxy Resin, Add	*93.67*	
		For Up To >10, Add	*742.84*	
		For >10 To 25, Add	*429.80*	
		For >25 To 50, Add	*314.65*	
		For >50 To 100, Add	*157.33*	
		For >500 To 1,000, Deduct	*-61.15*	
		For >1,000 To 2,000, Deduct	*-92.45*	
		For >2,000 To 5,000, Deduct	*-150.84*	
		For >5,000, Deduct	*-250.43*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,333.03	
		For Vinylester Resin, Add	*887.56*	
		For Epoxy Resin, Add	*104.61*	
		For Up To >10, Add	*829.24*	
		For >10 To 25, Add	*479.71*	
		For >25 To 50, Add	*351.22*	
		For >50 To 100, Add	*175.61*	
		For >500 To 1,000, Deduct	*-68.28*	
		For >1,000 To 2,000, Deduct	*-103.23*	
		For >2,000 To 5,000, Deduct	*-168.43*	
		For >5,000, Deduct	*-279.62*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,611.81	
		For Vinylester Resin, Add	*1,073.11*	
		For Epoxy Resin, Add	*126.47*	
		For Up To >10, Add	*1,002.91*	
		For >10 To 25, Add	*580.25*	
		For >25 To 50, Add	*424.80*	
		For >50 To 100, Add	*212.40*	
		For >500 To 1,000, Deduct	*-82.56*	
		For >1,000 To 2,000, Deduct	*-124.83*	
		For >2,000 To 5,000, Deduct	*-203.66*	
		For >5,000, Deduct	*-338.12*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,890.45	
		For Vinylester Resin, Add	*1,258.65*	
		For Epoxy Resin, Add	*148.34*	
		For Up To >10, Add	*1,176.18*	
		For >10 To 25, Add	*680.47*	
		For >25 To 50, Add	*498.18*	
		For >50 To 100, Add	*249.09*	
		For >500 To 1,000, Deduct	*-96.83*	
		For >1,000 To 2,000, Deduct	*-146.40*	
		For >2,000 To 5,000, Deduct	*-238.86*	
		For >5,000, Deduct	*-396.57*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,169.24	
		For Vinylester Resin, Add	*1,444.21*	
		For Epoxy Resin, Add	*170.21*	
		For Up To >10, Add	*1,349.85*	
		For >10 To 25, Add	*781.01*	
		For >25 To 50, Add	*571.77*	
		For >50 To 100, Add	*285.88*	
		For >500 To 1,000, Deduct	*-111.11*	
		For >1,000 To 2,000, Deduct	*-168.00*	
		For >2,000 To 5,000, Deduct	*-274.10*	
		For >5,000, Deduct	*-455.07*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,447.87	
		For Vinylester Resin, Add	*1,629.75*	
		For Epoxy Resin, Add	*192.08*	
		For Up To >10, Add	*1,523.09*	
		For >10 To 25, Add	*881.20*	
		For >25 To 50, Add	*645.13*	
		For >50 To 100, Add	*322.57*	
		For >500 To 1,000, Deduct	*-125.39*	
		For >1,000 To 2,000, Deduct	*-189.57*	
		For >2,000 To 5,000, Deduct	*-309.30*	
		For >5,000, Deduct	*-513.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,726.51	
		For Vinylester Resin, Add	*1,815.30*	
		For Epoxy Resin, Add	*213.95*	
		For Up To >10, Add	*1,696.33*	
		For >10 To 25, Add	*981.40*	
		For >25 To 50, Add	*718.50*	
		For >50 To 100, Add	*359.25*	
		For >500 To 1,000, Deduct	*-139.66*	
		For >1,000 To 2,000, Deduct	*-211.15*	
		For >2,000 To 5,000, Deduct	*-344.50*	
		For >5,000, Deduct	*-571.95*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,012.60	
		For Vinylester Resin, Add	*2,000.84*	
		For Epoxy Resin, Add	*235.81*	
		For Up To >10, Add	*1,891.95*	
		For >10 To 25, Add	*1,100.24*	
		For >25 To 50, Add	*803.06*	
		For >50 To 100, Add	*401.53*	
		For >500 To 1,000, Deduct	*-154.49*	
		For >1,000 To 2,000, Deduct	*-233.66*	
		For >2,000 To 5,000, Deduct	*-381.57*	
		For >5,000, Deduct	*-633.37*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,292.46	
		For Vinylester Resin, Add	*2,186.39*	
		For Epoxy Resin, Add	*257.68*	
		For Up To >10, Add	*2,068.83*	
		For >10 To 25, Add	*1,203.46*	
		For >25 To 50, Add	*878.24*	
		For >50 To 100, Add	*439.12*	
		For >500 To 1,000, Deduct	*-168.85*	
		For >1,000 To 2,000, Deduct	*-255.39*	
		For >2,000 To 5,000, Deduct	*-417.07*	
		For >5,000, Deduct	*-692.30*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,571.24	
		For Vinylester Resin, Add	*2,371.94*	
		For Epoxy Resin, Add	*279.55*	
		For Up To >10, Add	*2,242.52*	
		For >10 To 25, Add	*1,304.02*	
		For >25 To 50, Add	*951.84*	
		For >50 To 100, Add	*475.92*	
		For >500 To 1,000, Deduct	*-183.13*	
		For >1,000 To 2,000, Deduct	*-276.98*	
		For >2,000 To 5,000, Deduct	*-452.31*	
		For >5,000, Deduct	*-750.80*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,850.64	
		For Vinylester Resin, Add	*2,557.49*	
		For Epoxy Resin, Add	*301.42*	
		For Up To >10, Add	*2,418.05*	
		For >10 To 25, Add	*1,406.11*	
		For >25 To 50, Add	*1,026.35*	
		For >50 To 100, Add	*513.17*	
		For >500 To 1,000, Deduct	*-197.46*	
		For >1,000 To 2,000, Deduct	*-298.65*	
		For >2,000 To 5,000, Deduct	*-487.70*	
		For >5,000, Deduct	*-809.55*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,130.03	
		For Vinylester Resin, Add	*2,743.03*	
		For Epoxy Resin, Add	*323.29*	
		For Up To >10, Add	*2,593.57*	
		For >10 To 25, Add	*1,508.20*	
		For >25 To 50, Add	*1,100.85*	
		For >50 To 100, Add	*550.43*	
		For >500 To 1,000, Deduct	*-211.79*	
		For >1,000 To 2,000, Deduct	*-320.32*	
		For >2,000 To 5,000, Deduct	*-523.09*	
		For >5,000, Deduct	*-868.29*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,409.43	
		For Vinylester Resin, Add	*2,928.58*	
		For Epoxy Resin, Add	*345.15*	
		For Up To >10, Add	*2,769.09*	
		For >10 To 25, Add	*1,610.30*	
		For >25 To 50, Add	*1,175.36*	
		For >50 To 100, Add	*587.68*	
		For >500 To 1,000, Deduct	*-226.12*	
		For >1,000 To 2,000, Deduct	*-341.99*	
		For >2,000 To 5,000, Deduct	*-558.48*	
		For >5,000, Deduct	*-927.04*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,244.05	
		For Vinylester Resin, Add	*829.00*	
		For Epoxy Resin, Add	*97.70*	
		For Up To >10, Add	*771.43*	
		For >10 To 25, Add	*445.47*	
		For >25 To 50, Add	*326.50*	
		For >50 To 100, Add	*163.25*	
		For >500 To 1,000, Deduct	*-63.70*	
		For >1,000 To 2,000, Deduct	*-96.29*	
		For >2,000 To 5,000, Deduct	*-157.05*	
		For >5,000, Deduct	*-260.76*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,389.61	
		For Vinylester Resin, Add	*925.99*	
		For Epoxy Resin, Add	*109.13*	
		For Up To >10, Add	*861.73*	
		For >10 To 25, Add	*497.64*	
		For >25 To 50, Add	*364.72*	
		For >50 To 100, Add	*182.36*	
		For >500 To 1,000, Deduct	*-71.15*	
		For >1,000 To 2,000, Deduct	*-107.56*	
		For >2,000 To 5,000, Deduct	*-175.43*	
		For >5,000, Deduct	*-291.28*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,680.75	
		For Vinylester Resin, Add	*1,119.98*	
		For Epoxy Resin, Add	*132.00*	
		For Up To >10, Add	*1,042.33*	
		For >10 To 25, Add	*601.94*	
		For >25 To 50, Add	*441.16*	
		For >50 To 100, Add	*220.58*	
		For >500 To 1,000, Deduct	*-86.06*	
		For >1,000 To 2,000, Deduct	*-130.10*	
		For >2,000 To 5,000, Deduct	*-212.19*	
		For >5,000, Deduct	*-352.31*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,971.74	
		For Vinylester Resin, Add	*1,313.96*	
		For Epoxy Resin, Add	*154.86*	
		For Up To >10, Add	*1,222.52*	
		For >10 To 25, Add	*705.92*	
		For >25 To 50, Add	*517.41*	
		For >50 To 100, Add	*258.70*	
		For >500 To 1,000, Deduct	*-100.95*	
		For >1,000 To 2,000, Deduct	*-152.61*	
		For >2,000 To 5,000, Deduct	*-248.91*	
		For >5,000, Deduct	*-413.28*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,262.88	
		For Vinylester Resin, Add	*1,507.93*	
		For Epoxy Resin, Add	*177.72*	
		For Up To >10, Add	*1,403.17*	
		For >10 To 25, Add	*810.27*	
		For >25 To 50, Add	*593.87*	
		For >50 To 100, Add	*296.94*	
		For >500 To 1,000, Deduct	*-115.86*	
		For >1,000 To 2,000, Deduct	*-175.15*	
		For >2,000 To 5,000, Deduct	*-285.68*	
		For >5,000, Deduct	*-474.31*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,553.86	
		For Vinylester Resin, Add	*1,701.92*	
		For Epoxy Resin, Add	*200.58*	
		For Up To >10, Add	*1,583.31*	
		For >10 To 25, Add	*914.20*	
		For >25 To 50, Add	*670.09*	
		For >50 To 100, Add	*335.04*	
		For >500 To 1,000, Deduct	*-130.76*	
		For >1,000 To 2,000, Deduct	*-197.67*	
		For >2,000 To 5,000, Deduct	*-322.39*	
		For >5,000, Deduct	*-535.28*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,845.01	
		For Vinylester Resin, Add	*1,895.90*	
		For Epoxy Resin, Add	*223.45*	
		For Up To >10, Add	*1,763.96*	
		For >10 To 25, Add	*1,018.56*	
		For >25 To 50, Add	*746.56*	
		For >50 To 100, Add	*373.28*	
		For >500 To 1,000, Deduct	*-145.67*	
		For >1,000 To 2,000, Deduct	*-220.20*	
		For >2,000 To 5,000, Deduct	*-359.16*	
		For >5,000, Deduct	*-596.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,143.61	
		For Vinylester Resin, Add	*2,089.88*	
		For Epoxy Resin, Add	*246.31*	
		For Up To >10, Add	*1,966.98*	
		For >10 To 25, Add	*1,141.56*	
		For >25 To 50, Add	*834.21*	
		For >50 To 100, Add	*417.11*	
		For >500 To 1,000, Deduct	*-161.13*	
		For >1,000 To 2,000, Deduct	*-243.67*	
		For >2,000 To 5,000, Deduct	*-397.78*	
		For >5,000, Deduct	*-660.34*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,435.66	
		For Vinylester Resin, Add	*2,283.86*	
		For Epoxy Resin, Add	*269.17*	
		For Up To >10, Add	*2,150.36*	
		For >10 To 25, Add	*1,248.19*	
		For >25 To 50, Add	*912.05*	
		For >50 To 100, Add	*456.02*	
		For >500 To 1,000, Deduct	*-176.11*	
		For >1,000 To 2,000, Deduct	*-266.33*	
		For >2,000 To 5,000, Deduct	*-434.77*	
		For >5,000, Deduct	*-721.73*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,724.67	
		For Vinylester Resin, Add	*2,477.84*	
		For Epoxy Resin, Add	*292.03*	
		For Up To >10, Add	*2,324.59*	
		For >10 To 25, Add	*1,347.19*	
		For >25 To 50, Add	*985.30*	
		For >50 To 100, Add	*492.65*	
		For >500 To 1,000, Deduct	*-190.86*	
		For >1,000 To 2,000, Deduct	*-288.60*	
		For >2,000 To 5,000, Deduct	*-471.00*	
		For >5,000, Deduct	*-781.91*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,019.01	
		For Vinylester Resin, Add	*2,671.82*	
		For Epoxy Resin, Add	*314.89*	
		For Up To >10, Add	*2,514.81*	
		For >10 To 25, Add	*1,459.52*	
		For >25 To 50, Add	*1,066.56*	
		For >50 To 100, Add	*533.28*	
		For >500 To 1,000, Deduct	*-206.00*	
		For >1,000 To 2,000, Deduct	*-311.53*	
		For >2,000 To 5,000, Deduct	*-508.56*	
		For >5,000, Deduct	*-844.23*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,310.77	
		For Vinylester Resin, Add	*2,865.81*	
		For Epoxy Resin, Add	*337.76*	
		For Up To >10, Add	*2,697.29*	
		For >10 To 25, Add	*1,565.40*	
		For >25 To 50, Add	*1,143.94*	
		For >50 To 100, Add	*571.97*	
		For >500 To 1,000, Deduct	*-220.96*	
		For >1,000 To 2,000, Deduct	*-334.15*	
		For >2,000 To 5,000, Deduct	*-545.47*	
		For >5,000, Deduct	*-905.51*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,602.51	
		For Vinylester Resin, Add	*3,059.78*	
		For Epoxy Resin, Add	*360.62*	
		For Up To >10, Add	*2,879.73*	
		For >10 To 25, Add	*1,671.26*	
		For >25 To 50, Add	*1,221.31*	
		For >50 To 100, Add	*610.65*	
		For >500 To 1,000, Deduct	*-235.91*	
		For >1,000 To 2,000, Deduct	*-356.76*	
		For >2,000 To 5,000, Deduct	*-582.38*	
		For >5,000, Deduct	*-966.78*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,294.05	
		For Vinylester Resin, Add	*863.05*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*799.83*	
		For >10 To 25, Add	*461.03*	
		For >25 To 50, Add	*338.27*	
		For >50 To 100, Add	*169.13*	
		For >500 To 1,000, Deduct	*-66.23*	
		For >1,000 To 2,000, Deduct	*-100.11*	
		For >2,000 To 5,000, Deduct	*-163.23*	
		For >5,000, Deduct	*-271.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,445.80	
		For Vinylester Resin, Add	*964.26*	
		For Epoxy Resin, Add	*113.64*	
		For Up To >10, Add	*893.63*	
		For >10 To 25, Add	*515.10*	
		For >25 To 50, Add	*377.94*	
		For >50 To 100, Add	*188.97*	
		For >500 To 1,000, Deduct	*-74.00*	
		For >1,000 To 2,000, Deduct	*-111.85*	
		For >2,000 To 5,000, Deduct	*-182.37*	
		For >5,000, Deduct	*-302.82*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,749.30	
		For Vinylester Resin, Add	*1,166.68*	
		For Epoxy Resin, Add	*137.50*	
		For Up To >10, Add	*1,081.20*	
		For >10 To 25, Add	*623.22*	
		For >25 To 50, Add	*457.27*	
		For >50 To 100, Add	*228.63*	
		For >500 To 1,000, Deduct	*-89.53*	
		For >1,000 To 2,000, Deduct	*-135.33*	
		For >2,000 To 5,000, Deduct	*-220.66*	
		For >5,000, Deduct	*-366.38*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,052.80	
		For Vinylester Resin, Add	*1,369.10*	
		For Epoxy Resin, Add	*161.36*	
		For Up To >10, Add	*1,268.78*	
		For >10 To 25, Add	*731.34*	
		For >25 To 50, Add	*536.60*	
		For >50 To 100, Add	*268.30*	
		For >500 To 1,000, Deduct	*-105.06*	
		For >1,000 To 2,000, Deduct	*-158.81*	
		For >2,000 To 5,000, Deduct	*-258.94*	
		For >5,000, Deduct	*-429.95*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,356.13	
		For Vinylester Resin, Add	*1,571.51*	
		For Epoxy Resin, Add	*185.21*	
		For Up To >10, Add	*1,455.87*	
		For >10 To 25, Add	*839.05*	
		For >25 To 50, Add	*615.68*	
		For >50 To 100, Add	*307.84*	
		For >500 To 1,000, Deduct	*-120.58*	
		For >1,000 To 2,000, Deduct	*-182.27*	
		For >2,000 To 5,000, Deduct	*-297.18*	
		For >5,000, Deduct	*-493.45*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,659.63	
		For Vinylester Resin, Add	*1,773.93*	
		For Epoxy Resin, Add	*209.07*	
		For Up To >10, Add	*1,643.44*	
		For >10 To 25, Add	*947.17*	
		For >25 To 50, Add	*695.01*	
		For >50 To 100, Add	*347.51*	
		For >500 To 1,000, Deduct	*-136.12*	
		For >1,000 To 2,000, Deduct	*-205.74*	
		For >2,000 To 5,000, Deduct	*-335.46*	
		For >5,000, Deduct	*-557.02*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,963.12	
		For Vinylester Resin, Add	*1,976.34*	
		For Epoxy Resin, Add	*232.93*	
		For Up To >10, Add	*1,831.01*	
		For >10 To 25, Add	*1,055.29*	
		For >25 To 50, Add	*774.34*	
		For >50 To 100, Add	*387.17*	
		For >500 To 1,000, Deduct	*-151.65*	
		For >1,000 To 2,000, Deduct	*-229.22*	
		For >2,000 To 5,000, Deduct	*-373.75*	
		For >5,000, Deduct	*-620.58*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,274.38	
		For Vinylester Resin, Add	*2,178.75*	
		For Epoxy Resin, Add	*256.78*	
		For Up To >10, Add	*2,041.89*	
		For >10 To 25, Add	*1,182.83*	
		For >25 To 50, Add	*865.32*	
		For >50 To 100, Add	*432.66*	
		For >500 To 1,000, Deduct	*-167.77*	
		For >1,000 To 2,000, Deduct	*-253.67*	
		For >2,000 To 5,000, Deduct	*-413.97*	
		For >5,000, Deduct	*-687.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,578.65	
		For Vinylester Resin, Add	*2,381.17*	
		For Epoxy Resin, Add	*280.64*	
		For Up To >10, Add	*2,231.78*	
		For >10 To 25, Add	*1,292.87*	
		For >25 To 50, Add	*945.80*	
		For >50 To 100, Add	*472.90*	
		For >500 To 1,000, Deduct	*-183.36*	
		For >1,000 To 2,000, Deduct	*-277.25*	
		For >2,000 To 5,000, Deduct	*-452.45*	
		For >5,000, Deduct	*-751.13*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,877.71	
		For Vinylester Resin, Add	*2,583.58*	
		For Epoxy Resin, Add	*304.49*	
		For Up To >10, Add	*2,406.06*	
		For >10 To 25, Add	*1,389.91*	
		For >25 To 50, Add	*1,018.49*	
		For >50 To 100, Add	*509.24*	
		For >500 To 1,000, Deduct	*-198.56*	
		For >1,000 To 2,000, Deduct	*-300.17*	
		For >2,000 To 5,000, Deduct	*-489.62*	
		For >5,000, Deduct	*-812.92*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,186.99	
		For Vinylester Resin, Add	*2,785.99*	
		For Epoxy Resin, Add	*328.35*	
		For Up To >10, Add	*2,611.00*	
		For >10 To 25, Add	*1,512.50*	
		For >25 To 50, Add	*1,106.50*	
		For >50 To 100, Add	*553.25*	
		For >500 To 1,000, Deduct	*-214.52*	
		For >1,000 To 2,000, Deduct	*-324.37*	
		For >2,000 To 5,000, Deduct	*-529.35*	
		For >5,000, Deduct	*-878.80*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,491.25	
		For Vinylester Resin, Add	*2,988.41*	
		For Epoxy Resin, Add	*352.21*	
		For Up To >10, Add	*2,800.85*	
		For >10 To 25, Add	*1,622.52*	
		For >25 To 50, Add	*1,186.97*	
		For >50 To 100, Add	*593.48*	
		For >500 To 1,000, Deduct	*-230.11*	
		For >1,000 To 2,000, Deduct	*-347.95*	
		For >2,000 To 5,000, Deduct	*-567.82*	
		For >5,000, Deduct	*-942.67*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,795.51	
		For Vinylester Resin, Add	*3,190.82*	
		For Epoxy Resin, Add	*376.06*	
		For Up To >10, Add	*2,990.73*	
		For >10 To 25, Add	*1,732.56*	
		For >25 To 50, Add	*1,267.45*	
		For >50 To 100, Add	*633.72*	
		For >500 To 1,000, Deduct	*-245.71*	
		For >1,000 To 2,000, Deduct	*-371.52*	
		For >2,000 To 5,000, Deduct	*-606.30*	
		For >5,000, Deduct	*-1,006.54*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,099.61	
		For Vinylester Resin, Add	*3,393.24*	
		For Epoxy Resin, Add	*399.92*	
		For Up To >10, Add	*3,180.11*	
		For >10 To 25, Add	*1,842.17*	
		For >25 To 50, Add	*1,347.68*	
		For >50 To 100, Add	*673.84*	
		For >500 To 1,000, Deduct	*-261.28*	
		For >1,000 To 2,000, Deduct	*-395.08*	
		For >2,000 To 5,000, Deduct	*-644.73*	
		For >5,000, Deduct	*-1,070.35*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,403.87	
		For Vinylester Resin, Add	*3,595.66*	
		For Epoxy Resin, Add	*423.77*	
		For Up To >10, Add	*3,369.99*	
		For >10 To 25, Add	*1,952.21*	
		For >25 To 50, Add	*1,428.16*	
		For >50 To 100, Add	*714.08*	
		For >500 To 1,000, Deduct	*-276.87*	
		For >1,000 To 2,000, Deduct	*-418.65*	
		For >2,000 To 5,000, Deduct	*-683.20*	
		For >5,000, Deduct	*-1,134.22*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,501.61	
		For Vinylester Resin, Add	*1,002.37*	
		For Epoxy Resin, Add	*118.14*	
		For Up To >10, Add	*924.96*	
		For >10 To 25, Add	*532.14*	
		For >25 To 50, Add	*390.88*	
		For >50 To 100, Add	*195.44*	
		For >500 To 1,000, Deduct	*-76.82*	
		For >1,000 To 2,000, Deduct	*-116.10*	
		For >2,000 To 5,000, Deduct	*-189.25*	
		For >5,000, Deduct	*-314.25*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,817.46	
		For Vinylester Resin, Add	*1,213.21*	
		For Epoxy Resin, Add	*142.99*	
		For Up To >10, Add	*1,119.48*	
		For >10 To 25, Add	*644.04*	
		For >25 To 50, Add	*473.08*	
		For >50 To 100, Add	*236.54*	
		For >500 To 1,000, Deduct	*-92.98*	
		For >1,000 To 2,000, Deduct	*-140.52*	
		For >2,000 To 5,000, Deduct	*-229.05*	
		For >5,000, Deduct	*-380.35*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,133.30	
		For Vinylester Resin, Add	*1,424.06*	
		For Epoxy Resin, Add	*167.84*	
		For Up To >10, Add	*1,313.98*	
		For >10 To 25, Add	*755.92*	
		For >25 To 50, Add	*555.27*	
		For >50 To 100, Add	*277.63*	
		For >500 To 1,000, Deduct	*-109.14*	
		For >1,000 To 2,000, Deduct	*-164.94*	
		For >2,000 To 5,000, Deduct	*-268.86*	
		For >5,000, Deduct	*-446.45*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,449.15	
		For Vinylester Resin, Add	*1,634.91*	
		For Epoxy Resin, Add	*192.69*	
		For Up To >10, Add	*1,508.48*	
		For >10 To 25, Add	*867.80*	
		For >25 To 50, Add	*637.46*	
		For >50 To 100, Add	*318.73*	
		For >500 To 1,000, Deduct	*-125.30*	
		For >1,000 To 2,000, Deduct	*-189.36*	
		For >2,000 To 5,000, Deduct	*-308.66*	
		For >5,000, Deduct	*-512.54*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,764.99	
		For Vinylester Resin, Add	*1,845.76*	
		For Epoxy Resin, Add	*217.54*	
		For Up To >10, Add	*1,702.97*	
		For >10 To 25, Add	*979.68*	
		For >25 To 50, Add	*719.65*	
		For >50 To 100, Add	*359.82*	
		For >500 To 1,000, Deduct	*-141.45*	
		For >1,000 To 2,000, Deduct	*-213.78*	
		For >2,000 To 5,000, Deduct	*-348.46*	
		For >5,000, Deduct	*-578.64*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,080.85	
		For Vinylester Resin, Add	*2,056.61*	
		For Epoxy Resin, Add	*242.39*	
		For Up To >10, Add	*1,897.50*	
		For >10 To 25, Add	*1,091.58*	
		For >25 To 50, Add	*801.85*	
		For >50 To 100, Add	*400.92*	
		For >500 To 1,000, Deduct	*-157.61*	
		For >1,000 To 2,000, Deduct	*-238.21*	
		For >2,000 To 5,000, Deduct	*-388.27*	
		For >5,000, Deduct	*-644.74*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,404.60	
		For Vinylester Resin, Add	*2,267.45*	
		For Epoxy Resin, Add	*267.24*	
		For Up To >10, Add	*2,115.75*	
		For >10 To 25, Add	*1,223.26*	
		For >25 To 50, Add	*895.91*	
		For >50 To 100, Add	*447.96*	
		For >500 To 1,000, Deduct	*-174.36*	
		For >1,000 To 2,000, Deduct	*-263.61*	
		For >2,000 To 5,000, Deduct	*-430.05*	
		For >5,000, Deduct	*-714.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,721.21	
		For Vinylester Resin, Add	*2,478.30*	
		For Epoxy Resin, Add	*292.09*	
		For Up To >10, Add	*2,312.56*	
		For >10 To 25, Add	*1,337.06*	
		For >25 To 50, Add	*979.26*	
		For >50 To 100, Add	*489.63*	
		For >500 To 1,000, Deduct	*-190.58*	
		For >1,000 To 2,000, Deduct	*-288.13*	
		For >2,000 To 5,000, Deduct	*-470.05*	
		For >5,000, Deduct	*-780.40*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,035.24	
		For Vinylester Resin, Add	*2,689.16*	
		For Epoxy Resin, Add	*316.94*	
		For Up To >10, Add	*2,501.60*	
		For >10 To 25, Add	*1,444.39*	
		For >25 To 50, Add	*1,058.72*	
		For >50 To 100, Add	*529.36*	
		For >500 To 1,000, Deduct	*-206.60*	
		For >1,000 To 2,000, Deduct	*-312.32*	
		For >2,000 To 5,000, Deduct	*-509.40*	
		For >5,000, Deduct	*-845.77*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,354.44	
		For Vinylester Resin, Add	*2,900.00*	
		For Epoxy Resin, Add	*341.79*	
		For Up To >10, Add	*2,706.17*	
		For >10 To 25, Add	*1,564.67*	
		For >25 To 50, Add	*1,145.94*	
		For >50 To 100, Add	*572.97*	
		For >500 To 1,000, Deduct	*-223.01*	
		For >1,000 To 2,000, Deduct	*-337.16*	
		For >2,000 To 5,000, Deduct	*-550.04*	
		For >5,000, Deduct	*-913.20*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,671.06	
		For Vinylester Resin, Add	*3,110.86*	
		For Epoxy Resin, Add	*366.64*	
		For Up To >10, Add	*2,902.98*	
		For >10 To 25, Add	*1,678.47*	
		For >25 To 50, Add	*1,229.29*	
		For >50 To 100, Add	*614.64*	
		For >500 To 1,000, Deduct	*-239.23*	
		For >1,000 To 2,000, Deduct	*-361.68*	
		For >2,000 To 5,000, Deduct	*-590.03*	
		For >5,000, Deduct	*-979.61*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,987.51	
		For Vinylester Resin, Add	*3,321.70*	
		For Epoxy Resin, Add	*391.49*	
		For Up To >10, Add	*3,099.31*	
		For >10 To 25, Add	*1,791.87*	
		For >25 To 50, Add	*1,312.39*	
		For >50 To 100, Add	*656.19*	
		For >500 To 1,000, Deduct	*-255.43*	
		For >1,000 To 2,000, Deduct	*-386.17*	
		For >2,000 To 5,000, Deduct	*-629.99*	
		For >5,000, Deduct	*-1,045.95*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,304.11	
		For Vinylester Resin, Add	*3,532.55*	
		For Epoxy Resin, Add	*416.34*	
		For Up To >10, Add	*3,296.08*	
		For >10 To 25, Add	*1,905.65*	
		For >25 To 50, Add	*1,395.72*	
		For >50 To 100, Add	*697.86*	
		For >500 To 1,000, Deduct	*-271.65*	
		For >1,000 To 2,000, Deduct	*-410.69*	
		For >2,000 To 5,000, Deduct	*-669.98*	
		For >5,000, Deduct	*-1,112.34*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,620.71	
		For Vinylester Resin, Add	*3,743.40*	
		For Epoxy Resin, Add	*441.19*	
		For Up To >10, Add	*3,492.86*	
		For >10 To 25, Add	*2,019.43*	
		For >25 To 50, Add	*1,479.04*	
		For >50 To 100, Add	*739.52*	
		For >500 To 1,000, Deduct	*-287.86*	
		For >1,000 To 2,000, Deduct	*-435.20*	
		For >2,000 To 5,000, Deduct	*-709.98*	
		For >5,000, Deduct	*-1,178.74*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,885.37	
		For Vinylester Resin, Add	*1,259.58*	
		For Epoxy Resin, Add	*148.45*	
		For Up To >10, Add	*1,157.61*	
		For >10 To 25, Add	*664.78*	
		For >25 To 50, Add	*488.84*	
		For >50 To 100, Add	*244.42*	
		For >500 To 1,000, Deduct	*-96.42*	
		For >1,000 To 2,000, Deduct	*-145.70*	
		For >2,000 To 5,000, Deduct	*-237.42*	
		For >5,000, Deduct	*-394.27*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,213.57	
		For Vinylester Resin, Add	*1,478.86*	
		For Epoxy Resin, Add	*174.29*	
		For Up To >10, Add	*1,359.06*	
		For >10 To 25, Add	*780.44*	
		For >25 To 50, Add	*573.90*	
		For >50 To 100, Add	*286.95*	
		For >500 To 1,000, Deduct	*-113.20*	
		For >1,000 To 2,000, Deduct	*-171.06*	
		For >2,000 To 5,000, Deduct	*-278.75*	
		For >5,000, Deduct	*-462.90*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,541.78	
		For Vinylester Resin, Add	*1,698.15*	
		For Epoxy Resin, Add	*200.14*	
		For Up To >10, Add	*1,560.52*	
		For >10 To 25, Add	*896.11*	
		For >25 To 50, Add	*658.96*	
		For >50 To 100, Add	*329.48*	
		For >500 To 1,000, Deduct	*-129.99*	
		For >1,000 To 2,000, Deduct	*-196.43*	
		For >2,000 To 5,000, Deduct	*-320.07*	
		For >5,000, Deduct	*-531.53*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,869.96	
		For Vinylester Resin, Add	*1,917.43*	
		For Epoxy Resin, Add	*225.98*	
		For Up To >10, Add	*1,761.93*	
		For >10 To 25, Add	*1,011.75*	
		For >25 To 50, Add	*744.01*	
		For >50 To 100, Add	*372.00*	
		For >500 To 1,000, Deduct	*-146.77*	
		For >1,000 To 2,000, Deduct	*-221.79*	
		For >2,000 To 5,000, Deduct	*-361.40*	
		For >5,000, Deduct	*-600.15*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,198.33	
		For Vinylester Resin, Add	*2,136.72*	
		For Epoxy Resin, Add	*251.83*	
		For Up To >10, Add	*1,963.87*	
		For >10 To 25, Add	*1,127.81*	
		For >25 To 50, Add	*829.31*	
		For >50 To 100, Add	*414.66*	
		For >500 To 1,000, Deduct	*-163.56*	
		For >1,000 To 2,000, Deduct	*-247.17*	
		For >2,000 To 5,000, Deduct	*-402.76*	
		For >5,000, Deduct	*-668.84*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,534.45	
		For Vinylester Resin, Add	*2,356.00*	
		For Epoxy Resin, Add	*277.67*	
		For Up To >10, Add	*2,189.08*	
		For >10 To 25, Add	*1,263.28*	
		For >25 To 50, Add	*926.25*	
		For >50 To 100, Add	*463.13*	
		For >500 To 1,000, Deduct	*-180.94*	
		For >1,000 To 2,000, Deduct	*-273.52*	
		For >2,000 To 5,000, Deduct	*-446.07*	
		For >5,000, Deduct	*-740.64*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,863.41	
		For Vinylester Resin, Add	*2,575.28*	
		For Epoxy Resin, Add	*303.52*	
		For Up To >10, Add	*2,392.81*	
		For >10 To 25, Add	*1,380.84*	
		For >25 To 50, Add	*1,012.45*	
		For >50 To 100, Add	*506.23*	
		For >500 To 1,000, Deduct	*-197.78*	
		For >1,000 To 2,000, Deduct	*-298.98*	
		For >2,000 To 5,000, Deduct	*-487.59*	
		For >5,000, Deduct	*-809.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,192.37	
		For Vinylester Resin, Add	*2,794.56*	
		For Epoxy Resin, Add	*329.36*	
		For Up To >10, Add	*2,596.54*	
		For >10 To 25, Add	*1,498.41*	
		For >25 To 50, Add	*1,098.66*	
		For >50 To 100, Add	*549.33*	
		For >500 To 1,000, Deduct	*-214.62*	
		For >1,000 To 2,000, Deduct	*-324.43*	
		For >2,000 To 5,000, Deduct	*-529.10*	
		For >5,000, Deduct	*-878.50*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,521.49	
		For Vinylester Resin, Add	*3,013.84*	
		For Epoxy Resin, Add	*355.20*	
		For Up To >10, Add	*2,800.75*	
		For >10 To 25, Add	*1,616.37*	
		For >25 To 50, Add	*1,185.10*	
		For >50 To 100, Add	*592.55*	
		For >500 To 1,000, Deduct	*-231.47*	
		For >1,000 To 2,000, Deduct	*-349.91*	
		For >2,000 To 5,000, Deduct	*-570.66*	
		For >5,000, Deduct	*-947.50*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,850.45	
		For Vinylester Resin, Add	*3,233.13*	
		For Epoxy Resin, Add	*381.05*	
		For Up To >10, Add	*3,004.45*	
		For >10 To 25, Add	*1,733.92*	
		For >25 To 50, Add	*1,271.29*	
		For >50 To 100, Add	*635.64*	
		For >500 To 1,000, Deduct	*-248.31*	
		For >1,000 To 2,000, Deduct	*-375.37*	
		For >2,000 To 5,000, Deduct	*-612.17*	
		For >5,000, Deduct	*-1,016.43*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,179.41	
		For Vinylester Resin, Add	*3,452.41*	
		For Epoxy Resin, Add	*406.89*	
		For Up To >10, Add	*3,208.18*	
		For >10 To 25, Add	*1,851.48*	
		For >25 To 50, Add	*1,357.49*	
		For >50 To 100, Add	*678.74*	
		For >500 To 1,000, Deduct	*-265.16*	
		For >1,000 To 2,000, Deduct	*-400.83*	
		For >2,000 To 5,000, Deduct	*-653.69*	
		For >5,000, Deduct	*-1,085.36*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,508.38	
		For Vinylester Resin, Add	*3,671.70*	
		For Epoxy Resin, Add	*432.74*	
		For Up To >10, Add	*3,411.94*	
		For >10 To 25, Add	*1,969.07*	
		For >25 To 50, Add	*1,443.71*	
		For >50 To 100, Add	*721.85*	
		For >500 To 1,000, Deduct	*-282.00*	
		For >1,000 To 2,000, Deduct	*-426.28*	
		For >2,000 To 5,000, Deduct	*-695.21*	
		For >5,000, Deduct	*-1,154.30*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,837.34	
		For Vinylester Resin, Add	*3,890.98*	
		For Epoxy Resin, Add	*458.58*	
		For Up To >10, Add	*3,615.67*	
		For >10 To 25, Add	*2,086.64*	
		For >25 To 50, Add	*1,529.91*	
		For >50 To 100, Add	*764.95*	
		For >500 To 1,000, Deduct	*-298.84*	
		For >1,000 To 2,000, Deduct	*-451.74*	
		For >2,000 To 5,000, Deduct	*-736.72*	
		For >5,000, Deduct	*-1,223.23*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,166.30	
		For Vinylester Resin, Add	*4,110.26*	
		For Epoxy Resin, Add	*484.42*	
		For Up To >10, Add	*3,819.40*	
		For >10 To 25, Add	*2,204.20*	
		For >25 To 50, Add	*1,616.11*	
		For >50 To 100, Add	*808.06*	
		For >500 To 1,000, Deduct	*-315.68*	
		For >1,000 To 2,000, Deduct	*-477.20*	
		For >2,000 To 5,000, Deduct	*-778.24*	
		For >5,000, Deduct	*-1,292.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,495.26	
		For Vinylester Resin, Add	*4,329.54*	
		For Epoxy Resin, Add	*510.27*	
		For Up To >10, Add	*4,023.13*	
		For >10 To 25, Add	*2,321.77*	
		For >25 To 50, Add	*1,702.31*	
		For >50 To 100, Add	*851.16*	
		For >500 To 1,000, Deduct	*-332.52*	
		For >1,000 To 2,000, Deduct	*-502.65*	
		For >2,000 To 5,000, Deduct	*-819.76*	
		For >5,000, Deduct	*-1,361.09*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,293.46	
		For Vinylester Resin, Add	*1,533.50*	
		For Epoxy Resin, Add	*180.73*	
		For Up To >10, Add	*1,403.58*	
		For >10 To 25, Add	*804.53*	
		For >25 To 50, Add	*592.25*	
		For >50 To 100, Add	*296.13*	
		For >500 To 1,000, Deduct	*-117.24*	
		For >1,000 To 2,000, Deduct	*-177.15*	
		For >2,000 To 5,000, Deduct	*-288.57*	
		For >5,000, Deduct	*-479.24*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,634.01	
		For Vinylester Resin, Add	*1,761.22*	
		For Epoxy Resin, Add	*207.57*	
		For Up To >10, Add	*1,611.96*	
		For >10 To 25, Add	*923.96*	
		For >25 To 50, Add	*680.18*	
		For >50 To 100, Add	*340.09*	
		For >500 To 1,000, Deduct	*-134.65*	
		For >1,000 To 2,000, Deduct	*-203.45*	
		For >2,000 To 5,000, Deduct	*-331.42*	
		For >5,000, Deduct	*-550.40*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,974.57	
		For Vinylester Resin, Add	*1,988.94*	
		For Epoxy Resin, Add	*234.41*	
		For Up To >10, Add	*1,820.36*	
		For >10 To 25, Add	*1,043.41*	
		For >25 To 50, Add	*768.11*	
		For >50 To 100, Add	*384.06*	
		For >500 To 1,000, Deduct	*-152.06*	
		For >1,000 To 2,000, Deduct	*-229.75*	
		For >2,000 To 5,000, Deduct	*-374.27*	
		For >5,000, Deduct	*-621.56*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,315.12	
		For Vinylester Resin, Add	*2,216.66*	
		For Epoxy Resin, Add	*261.25*	
		For Up To >10, Add	*2,028.74*	
		For >10 To 25, Add	*1,162.84*	
		For >25 To 50, Add	*856.04*	
		For >50 To 100, Add	*428.02*	
		For >500 To 1,000, Deduct	*-169.47*	
		For >1,000 To 2,000, Deduct	*-256.06*	
		For >2,000 To 5,000, Deduct	*-417.12*	
		For >5,000, Deduct	*-692.72*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,663.91	
		For Vinylester Resin, Add	*2,444.37*	
		For Epoxy Resin, Add	*288.09*	
		For Up To >10, Add	*2,261.83*	
		For >10 To 25, Add	*1,302.87*	
		For >25 To 50, Add	*956.32*	
		For >50 To 100, Add	*478.16*	
		For >500 To 1,000, Deduct	*-187.49*	
		For >1,000 To 2,000, Deduct	*-283.39*	
		For >2,000 To 5,000, Deduct	*-462.02*	
		For >5,000, Deduct	*-767.17*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,005.22	
		For Vinylester Resin, Add	*2,672.09*	
		For Epoxy Resin, Add	*314.92*	
		For Up To >10, Add	*2,472.49*	
		For >10 To 25, Add	*1,424.19*	
		For >25 To 50, Add	*1,045.38*	
		For >50 To 100, Add	*522.69*	
		For >500 To 1,000, Deduct	*-204.96*	
		For >1,000 To 2,000, Deduct	*-309.79*	
		For >2,000 To 5,000, Deduct	*-505.06*	
		For >5,000, Deduct	*-838.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,346.54	
		For Vinylester Resin, Add	*2,899.81*	
		For Epoxy Resin, Add	*341.76*	
		For Up To >10, Add	*2,683.17*	
		For >10 To 25, Add	*1,545.55*	
		For >25 To 50, Add	*1,134.46*	
		For >50 To 100, Add	*567.23*	
		For >500 To 1,000, Deduct	*-222.43*	
		For >1,000 To 2,000, Deduct	*-336.19*	
		For >2,000 To 5,000, Deduct	*-548.10*	
		For >5,000, Deduct	*-910.10*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,687.85	
		For Vinylester Resin, Add	*3,127.52*	
		For Epoxy Resin, Add	*368.60*	
		For Up To >10, Add	*2,893.83*	
		For >10 To 25, Add	*1,666.87*	
		For >25 To 50, Add	*1,223.52*	
		For >50 To 100, Add	*611.76*	
		For >500 To 1,000, Deduct	*-239.89*	
		For >1,000 To 2,000, Deduct	*-362.59*	
		For >2,000 To 5,000, Deduct	*-591.14*	
		For >5,000, Deduct	*-981.56*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,029.17	
		For Vinylester Resin, Add	*3,355.24*	
		For Epoxy Resin, Add	*395.44*	
		For Up To >10, Add	*3,104.51*	
		For >10 To 25, Add	*1,788.23*	
		For >25 To 50, Add	*1,312.60*	
		For >50 To 100, Add	*656.30*	
		For >500 To 1,000, Deduct	*-257.36*	
		For >1,000 To 2,000, Deduct	*-388.99*	
		For >2,000 To 5,000, Deduct	*-634.18*	
		For >5,000, Deduct	*-1,053.03*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,370.48	
		For Vinylester Resin, Add	*3,582.96*	
		For Epoxy Resin, Add	*422.28*	
		For Up To >10, Add	*3,315.17*	
		For >10 To 25, Add	*1,909.55*	
		For >25 To 50, Add	*1,401.66*	
		For >50 To 100, Add	*700.83*	
		For >500 To 1,000, Deduct	*-274.82*	
		For >1,000 To 2,000, Deduct	*-415.38*	
		For >2,000 To 5,000, Deduct	*-677.21*	
		For >5,000, Deduct	*-1,124.49*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,711.79	
		For Vinylester Resin, Add	*3,810.67*	
		For Epoxy Resin, Add	*449.12*	
		For Up To >10, Add	*3,525.82*	
		For >10 To 25, Add	*2,030.88*	
		For >25 To 50, Add	*1,490.72*	
		For >50 To 100, Add	*745.36*	
		For >500 To 1,000, Deduct	*-292.29*	
		For >1,000 To 2,000, Deduct	*-441.78*	
		For >2,000 To 5,000, Deduct	*-720.25*	
		For >5,000, Deduct	*-1,195.95*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,053.11	
		For Vinylester Resin, Add	*4,038.39*	
		For Epoxy Resin, Add	*475.95*	
		For Up To >10, Add	*3,736.51*	
		For >10 To 25, Add	*2,152.23*	
		For >25 To 50, Add	*1,579.80*	
		For >50 To 100, Add	*789.90*	
		For >500 To 1,000, Deduct	*-309.76*	
		For >1,000 To 2,000, Deduct	*-468.18*	
		For >2,000 To 5,000, Deduct	*-763.29*	
		For >5,000, Deduct	*-1,267.42*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,394.42	
		For Vinylester Resin, Add	*4,266.11*	
		For Epoxy Resin, Add	*502.79*	
		For Up To >10, Add	*3,947.16*	
		For >10 To 25, Add	*2,273.56*	
		For >25 To 50, Add	*1,668.86*	
		For >50 To 100, Add	*834.43*	
		For >500 To 1,000, Deduct	*-327.22*	
		For >1,000 To 2,000, Deduct	*-494.58*	
		For >2,000 To 5,000, Deduct	*-806.33*	
		For >5,000, Deduct	*-1,338.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,735.74	
		For Vinylester Resin, Add	*4,493.83*	
		For Epoxy Resin, Add	*529.63*	
		For Up To >10, Add	*4,157.85*	
		For >10 To 25, Add	*2,394.91*	
		For >25 To 50, Add	*1,757.94*	
		For >50 To 100, Add	*878.97*	
		For >500 To 1,000, Deduct	*-344.69*	
		For >1,000 To 2,000, Deduct	*-520.98*	
		For >2,000 To 5,000, Deduct	*-849.37*	
		For >5,000, Deduct	*-1,410.35*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,725.86	
		For Vinylester Resin, Add	*1,824.12*	
		For Epoxy Resin, Add	*214.99*	
		For Up To >10, Add	*1,662.86*	
		For >10 To 25, Add	*951.40*	
		For >25 To 50, Add	*701.13*	
		For >50 To 100, Add	*350.57*	
		For >500 To 1,000, Deduct	*-139.29*	
		For >1,000 To 2,000, Deduct	*-210.44*	
		For >2,000 To 5,000, Deduct	*-342.70*	
		For >5,000, Deduct	*-569.17*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,078.77	
		For Vinylester Resin, Add	*2,060.28*	
		For Epoxy Resin, Add	*242.82*	
		For Up To >10, Add	*1,878.16*	
		For >10 To 25, Add	*1,074.59*	
		For >25 To 50, Add	*791.92*	
		For >50 To 100, Add	*395.96*	
		For >500 To 1,000, Deduct	*-157.33*	
		For >1,000 To 2,000, Deduct	*-237.68*	
		For >2,000 To 5,000, Deduct	*-387.07*	
		For >5,000, Deduct	*-642.86*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,431.67	
		For Vinylester Resin, Add	*2,296.43*	
		For Epoxy Resin, Add	*270.65*	
		For Up To >10, Add	*2,093.49*	
		For >10 To 25, Add	*1,197.80*	
		For >25 To 50, Add	*882.71*	
		For >50 To 100, Add	*441.36*	
		For >500 To 1,000, Deduct	*-175.36*	
		For >1,000 To 2,000, Deduct	*-264.93*	
		For >2,000 To 5,000, Deduct	*-431.44*	
		For >5,000, Deduct	*-716.55*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,792.97	
		For Vinylester Resin, Add	*2,532.58*	
		For Epoxy Resin, Add	*298.48*	
		For Up To >10, Add	*2,333.99*	
		For >10 To 25, Add	*1,341.99*	
		For >25 To 50, Add	*986.09*	
		For >50 To 100, Add	*493.05*	
		For >500 To 1,000, Deduct	*-194.02*	
		For >1,000 To 2,000, Deduct	*-293.22*	
		For >2,000 To 5,000, Deduct	*-477.91*	
		For >5,000, Deduct	*-793.59*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,146.64	
		For Vinylester Resin, Add	*2,768.73*	
		For Epoxy Resin, Add	*326.31*	
		For Up To >10, Add	*2,551.60*	
		For >10 To 25, Add	*1,467.11*	
		For >25 To 50, Add	*1,078.03*	
		For >50 To 100, Add	*539.02*	
		For >500 To 1,000, Deduct	*-212.11*	
		For >1,000 To 2,000, Deduct	*-320.56*	
		For >2,000 To 5,000, Deduct	*-522.47*	
		For >5,000, Deduct	*-867.59*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,500.31	
		For Vinylester Resin, Add	*3,004.88*	
		For Epoxy Resin, Add	*354.15*	
		For Up To >10, Add	*2,769.21*	
		For >10 To 25, Add	*1,592.22*	
		For >25 To 50, Add	*1,169.97*	
		For >50 To 100, Add	*584.98*	
		For >500 To 1,000, Deduct	*-230.21*	
		For >1,000 To 2,000, Deduct	*-347.90*	
		For >2,000 To 5,000, Deduct	*-567.03*	
		For >5,000, Deduct	*-941.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,853.98	
		For Vinylester Resin, Add	*3,241.04*	
		For Epoxy Resin, Add	*381.98*	
		For Up To >10, Add	*2,986.82*	
		For >10 To 25, Add	*1,717.34*	
		For >25 To 50, Add	*1,261.91*	
		For >50 To 100, Add	*630.95*	
		For >500 To 1,000, Deduct	*-248.30*	
		For >1,000 To 2,000, Deduct	*-375.25*	
		For >2,000 To 5,000, Deduct	*-611.59*	
		For >5,000, Deduct	*-1,015.58*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,207.64	
		For Vinylester Resin, Add	*3,477.18*	
		For Epoxy Resin, Add	*409.81*	
		For Up To >10, Add	*3,204.42*	
		For >10 To 25, Add	*1,842.45*	
		For >25 To 50, Add	*1,353.84*	
		For >50 To 100, Add	*676.92*	
		For >500 To 1,000, Deduct	*-266.39*	
		For >1,000 To 2,000, Deduct	*-402.59*	
		For >2,000 To 5,000, Deduct	*-656.15*	
		For >5,000, Deduct	*-1,089.58*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,561.31	
		For Vinylester Resin, Add	*3,713.33*	
		For Epoxy Resin, Add	*437.64*	
		For Up To >10, Add	*3,422.03*	
		For >10 To 25, Add	*1,967.57*	
		For >25 To 50, Add	*1,445.78*	
		For >50 To 100, Add	*722.89*	
		For >500 To 1,000, Deduct	*-284.48*	
		For >1,000 To 2,000, Deduct	*-429.93*	
		For >2,000 To 5,000, Deduct	*-700.71*	
		For >5,000, Deduct	*-1,163.57*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,914.98	
		For Vinylester Resin, Add	*3,949.48*	
		For Epoxy Resin, Add	*465.47*	
		For Up To >10, Add	*3,639.64*	
		For >10 To 25, Add	*2,092.68*	
		For >25 To 50, Add	*1,537.71*	
		For >50 To 100, Add	*768.86*	
		For >500 To 1,000, Deduct	*-302.57*	
		For >1,000 To 2,000, Deduct	*-457.27*	
		For >2,000 To 5,000, Deduct	*-745.27*	
		For >5,000, Deduct	*-1,237.57*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,268.65	
		For Vinylester Resin, Add	*4,185.64*	
		For Epoxy Resin, Add	*493.31*	
		For Up To >10, Add	*3,857.25*	
		For >10 To 25, Add	*2,217.80*	
		For >25 To 50, Add	*1,629.65*	
		For >50 To 100, Add	*814.83*	
		For >500 To 1,000, Deduct	*-320.66*	
		For >1,000 To 2,000, Deduct	*-484.61*	
		For >2,000 To 5,000, Deduct	*-789.83*	
		For >5,000, Deduct	*-1,311.56*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,622.31	
		For Vinylester Resin, Add	*4,421.79*	
		For Epoxy Resin, Add	*521.14*	
		For Up To >10, Add	*4,074.83*	
		For >10 To 25, Add	*2,342.89*	
		For >25 To 50, Add	*1,721.57*	
		For >50 To 100, Add	*860.79*	
		For >500 To 1,000, Deduct	*-338.75*	
		For >1,000 To 2,000, Deduct	*-511.95*	
		For >2,000 To 5,000, Deduct	*-834.39*	
		For >5,000, Deduct	*-1,385.56*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,975.98	
		For Vinylester Resin, Add	*4,657.94*	
		For Epoxy Resin, Add	*548.97*	
		For Up To >10, Add	*4,292.44*	
		For >10 To 25, Add	*2,468.00*	
		For >25 To 50, Add	*1,813.51*	
		For >50 To 100, Add	*906.76*	
		For >500 To 1,000, Deduct	*-356.84*	
		For >1,000 To 2,000, Deduct	*-539.29*	
		For >2,000 To 5,000, Deduct	*-878.95*	
		For >5,000, Deduct	*-1,459.55*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	627.77
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	678.67
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	721.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	763.50	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	805.92	
33 01 30 74-0008		Grout Lateral Service *(33 01 30 74-0001)*		
33 01 30 74-0009		Grout Lateral Service - Bladder *(33 01 30 74-0008)*		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	668.06	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	765.89	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	863.69	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	726.51	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	784.95	
33 01 30 74-0016		Lateral T-Liner *(33 01 30 74-0001)*		
		Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	879.56	
33 01 30 74-0018	EA	6" Lateral T-Liner	984.22	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,142.61	
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*		
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	46.21	
		For 7.5mm, Add	*5.27*	
		For 9 mm, Add	*10.42*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	55.38	
		For 7.5mm, Add	*7.17*	
		For 9 mm, Add	*14.18*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	72.59	
		For 7.5mm, Add	*10.98*	
		For 9 mm, Add	*21.72*	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)*		
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Set-Up And Reinsertion For Fold-And-Form Relining Underground Pipelines *(33 01 30 79-0001)*		
33 01 30 79-0003	EA	Initial Set-up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	6,097.28	
33 01 30 79-0004	EA	Move And Set-up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,438.91	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	40.51	
		For DR 26 Pipe Liner, Add	*6.86*	
		For Up To 75, Add	*25.08*	
		For >75 To 150, Add	*12.54*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.96*	
		For >2,000, Deduct	*-3.92*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	51.36	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
		For Up To 75, Add	*28.56*	
		For >75 To 150, Add	*14.28*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.22*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	53.22	
		For DR 26 Pipe Liner, Add	*9.50*	
		For DR 35 Pipe Liner, Deduct	*-4.75*	
		For Up To 75, Add	*30.46*	
		For >75 To 150, Add	*15.23*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-2.29*	
		For >2,000, Deduct	*-4.57*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	73.61	
		For DR 26 Pipe Liner, Add	*14.25*	
		For DR 35 Pipe Liner, Deduct	*-7.12*	
		For DR 41 Pipe Liner, Deduct	*-14.25*	
		For Up To 75, Add	*36.34*	
		For >75 To 150, Add	*18.17*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.49*	
		For >2,000, Deduct	*-4.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	101.68	
		For DR 26 Pipe Liner, Add	*20.85*	
		For DR 35 Pipe Liner, Deduct	*-10.42*	
		For DR 41 Pipe Liner, Deduct	*-20.85*	
		For Up To 75, Add	*44.11*	
		For >75 To 150, Add	*22.06*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.74*	
		For >2,000, Deduct	*-5.49*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	138.20	
		For DR 35 Pipe Liner, Deduct	*-14.68*	
		For DR 41 Pipe Liner, Deduct	*-29.35*	
		For Up To 75, Add	*54.67*	
		For >75 To 150, Add	*27.33*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000, Deduct	*-6.24*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	193.69	
		For DR 41 Pipe Liner, Deduct	*-17.02*	
		For DR 50 Pipe Liner, Deduct	*-34.05*	
		For Up To 75, Add	*69.22*	
		For >75 To 150, Add	*34.61*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.52*	
		For >2,000, Deduct	*-7.04*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	218.78	
		For DR 50 Pipe Liner, Deduct	*-29.01*	
		For DR 55 Pipe Liner, Deduct	*-48.34*	
		For Up To 75, Add	*76.79*	
		For >75 To 150, Add	*38.39*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.81*	
		For >2,000, Deduct	*-7.62*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	265.99	
		For DR 60 Pipe Liner, Deduct	*-35.74*	
		For Up To 75, Add	*89.23*	
		For >75 To 150, Add	*44.62*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.16*	
		For >2,000, Deduct	*-8.32*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	43.10	
		For Up To 75, Add	*25.60*	
		For >75 To 150, Add	*12.80*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.96*	
		For >2,000, Deduct	*-3.92*	
		For DR 26 Pipe Liner, Add	*7.51*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	51.36	
		For Up To 75, Add	*28.56*	
		For >75 To 150, Add	*14.28*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.22*	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	56.68	
		For Up To 75, Add	*31.15*	
		For >75 To 150, Add	*15.57*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-2.29*	
		For >2,000, Deduct	*-4.57*	
		For DR 26 Pipe Liner, Add	*10.36*	
		For DR 35 Pipe Liner, Deduct	*-5.18*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	78.79	
		For Up To 75, Add	*37.38*	
		For >75 To 150, Add	*18.69*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.49*	
		For >2,000, Deduct	*-4.99*	
		For DR 26 Pipe Liner, Add	*15.54*	
		For DR 35 Pipe Liner, Deduct	*-7.77*	
		For DR 41 Pipe Liner, Deduct	*-15.54*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	109.45	
		For Up To 75, Add	*45.67*	
		For >75 To 150, Add	*22.83*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.74*	
		For >2,000, Deduct	*-5.49*	
		For DR 26 Pipe Liner, Add	*22.79*	
		For DR 35 Pipe Liner, Deduct	*-11.40*	
		For DR 41 Pipe Liner, Deduct	*-22.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	149.25	
		For Up To 75, Add	*56.88*	
		For >75 To 150, Add	*28.44*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000, Deduct	*-6.24*	
		For DR 35 Pipe Liner, Deduct	*-16.06*	
		For DR 41 Pipe Liner, Deduct	*-32.12*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	209.92	
		For Up To 75, Add	*72.47*	
		For >75 To 150, Add	*36.23*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.52*	
		For >2,000, Deduct	*-7.04*	
		For DR 41 Pipe Liner, Deduct	*-18.65*	
		For DR 50 Pipe Liner, Deduct	*-37.29*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	236.74	
		For Up To 75, Add	*80.38*	
		For >75 To 150, Add	*40.19*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.81*	
		For >2,000, Deduct	*-7.62*	
		For DR 50 Pipe Liner, Deduct	*-31.70*	
		For DR 55 Pipe Liner, Deduct	*-52.83*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	288.78	
		For Up To 75, Add	*93.79*	
		For >75 To 150, Add	*46.90*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.16*	
		For >2,000, Deduct	*-8.32*	
		For DR 60 Pipe Liner, Deduct	*-39.16*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*
Note: Work is in confined spaces.

33 01 30 81-0002 Set-up For Inspection And Ventilation System *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	212.17
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,838.34
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	22,438.41

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*
Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	628.76
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	662.76
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	679.75
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	781.72
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	883.66
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	985.63
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,189.56

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*
Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	917.66
33 01 30 81-0017	EA	30" External Manhole Encapsulation	968.63
33 01 30 81-0018	EA	36" External Manhole Encapsulation	1,036.62
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,121.58
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,240.53
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,376.48
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,546.42

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	62.13
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	83.67
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	58.54
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	79.39

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	19.96
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	44.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031		**Manhole Joint Restoration** *(33 01 30 81-0001)*		
		Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,592.96	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*253.41*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,026.94	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*283.15*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,457.29	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*312.89*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,100.40	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*327.75*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,741.70	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*342.62*	
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)*		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	149.44	24.53
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	126.15	24.53
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	146.26	24.53
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	176.83	24.53
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	75.71	19.62
33 01 30 81-0043		**Manhole Penetration Sealing** *(33 01 30 81-0001)*		
		Note: At new pipe connection to manhole.		
33 01 30 81-0044	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	463.73	
33 01 30 81-0045	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	719.42	
33 01 30 81-0046	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	991.01	
33 01 30 81-0047		**Invert Restoration** *(33 01 30 81-0001)*		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048		**Concrete Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration	409.14	
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration	462.18	
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration	515.23	
33 01 30 81-0052	EA	5' Diameter, Concrete Invert Restoration	568.27	
33 01 30 81-0053	EA	6' Diameter, Concrete Invert Restoration	727.40	
33 01 30 81-0054	SF	Square Or Rectangular, Concrete Invert Restoration	40.97	
33 01 30 81-0055		**Brick Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0056	EA	2' Diameter, Brick Invert Restoration	680.84	
33 01 30 81-0057	EA	3' Diameter, Brick Invert Restoration	733.88	
33 01 30 81-0058	EA	4' Diameter, Brick Invert Restoration	786.92	
33 01 30 81-0059	EA	5' Diameter, Brick Invert Restoration	839.97	
33 01 30 81-0060	EA	6' Diameter, Brick Invert Restoration	893.01	
33 01 30 81-0061	SF	Square Or Rectangular, Brick Invert Restoration	57.87	
33 01 30 81-0062		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)*		
		Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063	VLF	2' Diameter, Repair In-Kind Drainage Structure	875.25	
33 01 30 81-0064	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,312.89	
33 01 30 81-0065	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,750.64	
33 01 30 81-0066	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,188.15	
33 01 30 81-0067	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,625.78	
33 01 30 81-0068	VLF	2' x 2', Repair In-Kind Drainage Structure	1,114.98	
33 01 30 81-0069	VLF	2' x 3', Repair In-Kind Drainage Structure	1,393.73	
33 01 30 81-0070	VLF	2' x 4', Repair In-Kind Drainage Structure	1,672.47	
33 01 30 81-0071	VLF	3' x 4', Repair In-Kind Drainage Structure	1,951.22	
33 01 30 81-0072	VLF	4' x 4', Repair In-Kind Drainage Structure	2,229.97	
33 01 30 81-0073	VLF	4' x 5', Repair In-Kind Drainage Structure	2,508.71	
33 01 30 81-0074	VLF	4' x 6', Repair In-Kind Drainage Structure	2,787.46	
33 01 30 81-0075	VLF	4' x 8', Repair In-Kind Drainage Structure	3,344.95	
33 01 30 81-0076	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,902.44	
33 01 30 82		**Epoxy Lining for Concrete Manholes** *(33 01 30)*		
33 01 30 82-0001		Epoxy Manhole Restoration, Interior *(33 01 30 82)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	399.39	
		For 80 Mil Material, Add	*46.71*	
		For 100 Mil Material, Add	*93.42*	
		For 125 Mil Material, Add	*145.54*	
		For 150 Mil Material, Add	*197.66*	
		For 200 Mil Material, Add	*285.17*	
		For 2 To 5 Manholes, Deduct	*-28.33*	
		For 6 To 10 Manholes, Deduct	*-46.68*	
		For >10 Manholes, Deduct	*-93.36*	
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	484.61	
		For 80 Mil Material, Add	*55.91*	
		For 100 Mil Material, Add	*111.83*	
		For 125 Mil Material, Add	*174.06*	
		For 150 Mil Material, Add	*236.28*	
		For 200 Mil Material, Add	*340.29*	
		For 2 To 5 Manholes, Deduct	*-34.45*	
		For 6 To 10 Manholes, Deduct	*-56.79*	
		For >10 Manholes, Deduct	*-113.58*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	532.52	
		For 80 Mil Material, Add	*62.28*	
		For 100 Mil Material, Add	*124.56*	
		For 125 Mil Material, Add	*194.05*	
		For 150 Mil Material, Add	*263.54*	
		For 200 Mil Material, Add	*380.22*	
		For 2 To 5 Manholes, Deduct	*-37.78*	
		For 6 To 10 Manholes, Deduct	*-62.24*	
		For >10 Manholes, Deduct	*-124.48*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	665.73	
		For 80 Mil Material, Add	*77.88*	
		For 100 Mil Material, Add	*155.76*	
		For 125 Mil Material, Add	*242.65*	
		For 150 Mil Material, Add	*329.55*	
		For 200 Mil Material, Add	*475.46*	
		For 2 To 5 Manholes, Deduct	*-47.23*	
		For 6 To 10 Manholes, Deduct	*-77.81*	
		For >10 Manholes, Deduct	*-155.61*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	798.86	
		For 80 Mil Material, Add	*93.45*	
		For 100 Mil Material, Add	*186.90*	
		For 125 Mil Material, Add	*291.16*	
		For 150 Mil Material, Add	*395.43*	
		For 200 Mil Material, Add	*570.51*	
		For 2 To 5 Manholes, Deduct	*-56.67*	
		For 6 To 10 Manholes, Deduct	*-93.37*	
		For >10 Manholes, Deduct	*-186.73*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	168.89	
		For Each Additional 1/2" Thick Material, Add	*39.01*	
		For 2 To 5 Manholes, Deduct	*-11.98*	
		For 6 To 10 Manholes, Deduct	*-19.73*	
		For >10 Manholes, Deduct	*-39.46*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	195.80	
		For Each Additional 1/2" Thick Material, Add	*45.39*	
		For 2 To 5 Manholes, Deduct	*-13.88*	
		For 6 To 10 Manholes, Deduct	*-22.86*	
		For >10 Manholes, Deduct	*-45.72*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	222.70	
		For Each Additional 1/2" Thick Material, Add	*51.76*	
		For 2 To 5 Manholes, Deduct	*-15.78*	
		For 6 To 10 Manholes, Deduct	*-25.99*	
		For >10 Manholes, Deduct	*-51.99*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	261.88	
		For Each Additional 1/2" Thick Material, Add	*63.23*	
		For 2 To 5 Manholes, Deduct	*-18.48*	
		For 6 To 10 Manholes, Deduct	*-30.42*	
		For >10 Manholes, Deduct	*-60.84*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	285.75	
		For Each Additional 1/2" Thick Material, Add	*72.82*	
		For 2 To 5 Manholes, Deduct	*-20.05*	
		For 6 To 10 Manholes, Deduct	*-32.95*	
		For >10 Manholes, Deduct	*-65.91*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	357.17	
		For 80 Mil Material, Add	*32.64*	
		For 100 Mil Material, Add	*65.28*	
		For 125 Mil Material, Add	*99.80*	
		For 150 Mil Material, Add	*134.33*	
		For 200 Mil Material, Add	*186.66*	
		For 2 To 5 Manholes, Deduct	*-26.22*	
		For 6 To 10 Manholes, Deduct	*-43.51*	
		For >10 Manholes, Deduct	*-87.03*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	435.28	
		For 80 Mil Material, Add	*39.47*	
		For 100 Mil Material, Add	*78.94*	
		For 125 Mil Material, Add	*120.62*	
		For 150 Mil Material, Add	*162.29*	
		For 200 Mil Material, Add	*225.19*	
		For 2 To 5 Manholes, Deduct	*-31.99*	
		For 6 To 10 Manholes, Deduct	*-53.09*	
		For >10 Manholes, Deduct	*-106.18*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	476.23	
		For 80 Mil Material, Add	*43.52*	
		For 100 Mil Material, Add	*87.04*	
		For 125 Mil Material, Add	*133.07*	
		For 150 Mil Material, Add	*179.11*	
		For 200 Mil Material, Add	*248.88*	
		For 2 To 5 Manholes, Deduct	*-34.96*	
		For 6 To 10 Manholes, Deduct	*-58.02*	
		For >10 Manholes, Deduct	*-116.04*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	595.29	
		For 80 Mil Material, Add	*54.40*	
		For 100 Mil Material, Add	*108.80*	
		For 125 Mil Material, Add	*166.34*	
		For 150 Mil Material, Add	*223.89*	
		For 200 Mil Material, Add	*311.10*	
		For 2 To 5 Manholes, Deduct	*-43.70*	
		For 6 To 10 Manholes, Deduct	*-72.52*	
		For >10 Manholes, Deduct	*-145.05*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	714.35	
		For 80 Mil Material, Add	*65.28*	
		For 100 Mil Material, Add	*130.56*	
		For 125 Mil Material, Add	*199.61*	
		For 150 Mil Material, Add	*268.67*	
		For 200 Mil Material, Add	*373.32*	
		For 2 To 5 Manholes, Deduct	*-52.44*	
		For 6 To 10 Manholes, Deduct	*-87.03*	
		For >10 Manholes, Deduct	*-174.06*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	612.45	
		For 2 To 5 Manholes, Deduct	*-35.77*	
		For 6 To 10 Manholes, Deduct	*-56.22*	
		For >10 Manholes, Deduct	*-112.45*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	750.01	
		For 2 To 5 Manholes, Deduct	*-43.79*	
		For 6 To 10 Manholes, Deduct	*-68.83*	
		For >10 Manholes, Deduct	*-137.65*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	882.72	
		For 2 To 5 Manholes, Deduct	*-51.00*	
		For 6 To 10 Manholes, Deduct	*-79.92*	
		For >10 Manholes, Deduct	*-159.85*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,106.93	
		For 2 To 5 Manholes, Deduct	*-63.92*	
		For 6 To 10 Manholes, Deduct	*-100.17*	
		For >10 Manholes, Deduct	*-200.34*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,331.15	
		For 2 To 5 Manholes, Deduct	*-76.85*	
		For 6 To 10 Manholes, Deduct	*-120.41*	
		For >10 Manholes, Deduct	*-240.83*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavement if required, 32 12 16 13-0022 for hand placed hot mix asphalt.

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	596.87	
		For Lowering Manhole Rim, Add	*99.97*	
		Note: Includes digging under manhole rim		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	666.12	
		For Lowering Manhole Rim, Add	*106.29*	
		Note: Includes digging under manhole rim		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	729.90	
		For Lowering Manhole Rim, Add	*113.01*	
		Note: Includes digging under manhole rim		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	801.55	
		For Lowering Manhole Rim, Add	*120.12*	
		Note: Includes digging under manhole rim		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	862.24	
		For Lowering Manhole Rim, Add	*128.02*	
		Note: Includes digging under manhole rim		
33 01 30 86-0008		Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*		
33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	702.61	
		For Lowering Manhole Rim, Add	*105.11*	
		Note: Includes digging under manhole rim		
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	763.05	
		For Lowering Manhole Rim, Add	*111.82*	
		Note: Includes digging under manhole rim		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	838.04	
		For Lowering Manhole Rim, Add	*118.94*	
		Note: Includes digging under manhole rim		
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	912.09	
		For Lowering Manhole Rim, Add	*126.84*	
		Note: Includes digging under manhole rim		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	982.81	
		For Lowering Manhole Rim, Add	*134.74*	
		Note: Includes digging under manhole rim		
33 01 30 86-0014		Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*		
33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	815.85	
		For Lowering Manhole Rim, Add	*130.79*	
		Note: Includes digging under manhole rim		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	861.23	
		For Lowering Manhole Rim, Add	*137.11*	
		Note: Includes digging under manhole rim		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	911.40	
		For Lowering Manhole Rim, Add	*145.02*	
		Note: Includes digging under manhole rim		
33 01 30 86-0018		>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	986.59	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,069.96	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,154.54	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,224.80	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,327.53	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,421.42	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,515.58	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,612.13	
33 01 30 86-0027		>12" Rise, Solid Manhole Risers *(33 01 30 86)*		
33 01 30 86-0028		Precast Concrete Manhole Riser *(33 01 30 86-0027)*		
33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	116.83	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	139.85	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	205.90	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	420.69	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	616.11	
33 01 30 89		**By-Pass Piping and Pumping of Water and Sewer Utilities** *(33 01 30)*		
33 01 30 89-0001		Set-Up For By-Pass Pumping Unit *(33 01 30 89)*		
		Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1178 for pump rental, 01 22 23 00-1211 for suction hose, 01 22 23 00-1230 for discharge hose.		
33 01 30 89-0002	EA	Set-up For By-Pass Pumping Unit	2,226.04	
33 01 30 89-0003	EA	Move And Set-up At Different Access/Location For By-Pass Pumping Unit	1,113.02	
33 01 30 89-0004		By-Pass Pumping *(33 01 30 89)*		
		Note: Excludes pump rental. See CSI section 01 22 23 00-1178 for pump rental.		
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	556.51	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	2,782.55	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	11,686.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0008		**Temporary Bypass And Service Lines** *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009		**Temporary Water Service Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.37	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	4.27	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	4.95	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	5.91	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	7.25	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	374.10	
33 01 30 89-0016		**Temporary Bypass Water Main Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	7.72	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 5,000, Deduct	*-1.04*	
		For >5,000, Deduct	*-1.73*	
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	12.44	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-2.23*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	17.68	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.60*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	22.33	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.12*	
33 01 30 89-0021		**Piping Protection For Temporary Water Line** *(33 01 30 89-0008)*		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.56	
33 01 30 89-0023		**Drill Meter Cover For Temporary Water Line** *(33 01 30 89-0008)*		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	18.97	
33 01 30 89-0025		**Temporary By-Pass Plug** *(33 01 30 89)*		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	897.63	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,405.54	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,294.54	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,817.82	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,775.73	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001		**Pump Out Septic Tanks** *(33 01 34 13)*		
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.79	

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001		**Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System** *(33 01 40)* Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning, 33 01 40 00-0046 for flowable fill grout.		
33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	55.74	
		For Profile Wall (Corrugated), Deduct	*-9.97*	
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	85.44	
		For Profile Wall (Corrugated), Deduct	*-15.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	77.82	
		For Profile Wall (Corrugated), Deduct	*-13.85*	
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	104.02	
		For Profile Wall (Corrugated), Deduct	*-18.72*	
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	117.69	
		For Profile Wall (Corrugated), Deduct	*-20.97*	
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	144.31	
		For Profile Wall (Corrugated), Deduct	*-26.12*	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	181.50	
		For Profile Wall (Corrugated), Deduct	*-32.87*	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	224.64	
		For Profile Wall (Corrugated), Deduct	*-41.01*	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	259.86	
		For Profile Wall (Corrugated), Deduct	*-47.57*	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	298.36	
		For Profile Wall (Corrugated), Deduct	*-54.78*	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	341.90	
		For Profile Wall (Corrugated), Deduct	*-63.00*	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	387.04	
		For Profile Wall (Corrugated), Deduct	*-71.54*	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	451.25	
		For Profile Wall (Corrugated), Deduct	*-83.89*	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	518.76	
		For Profile Wall (Corrugated), Deduct	*-96.90*	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	574.95	
		For Profile Wall (Corrugated), Deduct	*-107.65*	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	631.13	
		For Profile Wall (Corrugated), Deduct	*-118.40*	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	725.67	
		For Profile Wall (Corrugated), Deduct	*-136.82*	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	820.21	
		For Profile Wall (Corrugated), Deduct	*-155.24*	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,068.90	
		For Profile Wall (Corrugated), Deduct	*-204.48*	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,314.34	
		For Profile Wall (Corrugated), Deduct	*-253.08*	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,460.00	
		For Profile Wall (Corrugated), Deduct	*-281.72*	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,604.26	
		For Profile Wall (Corrugated), Deduct	*-310.09*	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,751.35	
		For Profile Wall (Corrugated), Deduct	*-339.02*	
33 01 40 00-0025	LF	66" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,970.65	
		For Profile Wall (Corrugated), Deduct	*-382.14*	
33 01 40 00-0026	LF	72" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,090.89	
		For Profile Wall (Corrugated), Deduct	*-405.21*	
33 01 40 00-0027	LF	78" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,220.49	
		For Profile Wall (Corrugated), Deduct	*-429.91*	
33 01 40 00-0028	LF	84" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,411.68	
		For Profile Wall (Corrugated), Deduct	*-467.17*	
33 01 40 00-0029	LF	90" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,464.35	
		For Profile Wall (Corrugated), Deduct	*-476.72*	
33 01 40 00-0030	LF	96" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,491.23	
		For Profile Wall (Corrugated), Deduct	*-480.88*	
33 01 40 00-0031	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	301.00	
		For Profile Wall (Corrugated), Deduct	*-55.26*	
33 01 40 00-0032	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	335.22	
		For Profile Wall (Corrugated), Deduct	*-61.19*	
33 01 40 00-0033	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	370.38	
33 01 40 00-0034	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	428.82	
		For Profile Wall (Corrugated), Deduct	*-78.61*	
33 01 40 00-0035	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	470.71	
		For Profile Wall (Corrugated), Deduct	*-86.33*	
33 01 40 00-0036	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	529.85	
		For Profile Wall (Corrugated), Deduct	*-97.51*	
33 01 40 00-0037	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	592.39	
		For Profile Wall (Corrugated), Deduct	*-109.37*	
33 01 40 00-0038	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	713.01	
		For Profile Wall (Corrugated), Deduct	*-132.19*	
33 01 40 00-0039	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	804.46	
33 01 40 00-0040	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	894.80	
		For Profile Wall (Corrugated), Deduct	*-167.25*	
33 01 40 00-0041	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,120.84	
		For Profile Wall (Corrugated), Deduct	*-211.80*	
33 01 40 00-0042	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,356.91	
		For Profile Wall (Corrugated), Deduct	*-258.37*	
33 01 40 00-0043	LF	48" x 75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,758.62	
		For Profile Wall (Corrugated), Deduct	*-338.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0044	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,768.39	
		For Profile Wall (Corrugated), Deduct	*-338.71*	
33 01 40 00-0045	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,768.39	
		For Profile Wall (Corrugated), Deduct	*-338.71*	

33 01 40 00-0046 Pumped Grouting For Slip-Lining Systems *(33 01 40)*

Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.

33 01 40 00-0047	CY	Flowable Fill Grout, For Pipe Relines	649.28	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Set-up For Video Camera *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	317.73	
33 01 70 51-0004	EA	Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe	357.44	
33 01 70 51-0005	EA	Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	79.44	
33 01 70 51-0006	EA	Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	119.14	

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.22	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.12*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.89	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.19*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.68	
		For Up To >10, Add	*16.52*	
		For >10 To 25, Add	*13.13*	
		For >25 To 50, Add	*8.07*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.89*	
		For >2,000 To 5,000, Deduct	*-1.67*	
		For >5,000, Deduct	*-2.71*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.63	
		For Up To >10, Add	*19.04*	
		For >10 To 25, Add	*15.01*	
		For >25 To 50, Add	*9.26*	
		For >50 To 100, Add	*4.63*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.07*	
		For >2,000 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-3.22*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.34	
		For Up To >10, Add	*23.82*	
		For >10 To 25, Add	*18.77*	
		For >25 To 50, Add	*11.59*	
		For >50 To 100, Add	*5.79*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000 To 2,000, Deduct	*-1.34*	
		For >2,000 To 5,000, Deduct	*-2.49*	
		For >5,000, Deduct	*-4.04*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.74	
		For Up To >10, Add	*27.67*	
		For >10 To 25, Add	*21.76*	
		For >25 To 50, Add	*13.44*	
		For >50 To 100, Add	*6.72*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.58*	
		For >2,000 To 5,000, Deduct	*-2.92*	
		For >5,000, Deduct	*-4.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.69	
		For Up To >10, Add	*30.17*	
		For >10 To 25, Add	*23.62*	
		For >25 To 50, Add	*14.63*	
		For >50 To 100, Add	*7.31*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000 To 2,000, Deduct	*-1.75*	
		For >2,000 To 5,000, Deduct	*-3.23*	
		For >5,000, Deduct	*-5.24*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	19.95	
		For Up To >10, Add	*33.60*	
		For >10 To 25, Add	*26.25*	
		For >25 To 50, Add	*16.28*	
		For >50 To 100, Add	*8.14*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-1.97*	
		For >2,000 To 5,000, Deduct	*-3.62*	
		For >5,000, Deduct	*-5.88*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.55	
		For Up To >10, Add	*37.70*	
		For >10 To 25, Add	*29.22*	
		For >25 To 50, Add	*18.19*	
		For >50 To 100, Add	*9.10*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-4.17*	
		For >5,000, Deduct	*-6.78*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	27.13	
		For Up To >10, Add	*41.77*	
		For >10 To 25, Add	*32.16*	
		For >25 To 50, Add	*20.09*	
		For >50 To 100, Add	*10.05*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,000, Deduct	*-2.60*	
		For >2,000 To 5,000, Deduct	*-4.72*	
		For >5,000, Deduct	*-7.68*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.73	
		For Up To >10, Add	*18.32*	
		For >10 To 25, Add	*14.34*	
		For >25 To 50, Add	*8.88*	
		For >50 To 100, Add	*4.44*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.06*	
		For >2,000 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.18*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.96	
		For Up To >10, Add	*22.98*	
		For >10 To 25, Add	*17.89*	
		For >25 To 50, Add	*11.11*	
		For >50 To 100, Add	*5.56*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.37*	
		For >2,000 To 5,000, Deduct	*-2.51*	
		For >5,000, Deduct	*-4.07*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.19	
		For Up To >10, Add	*27.65*	
		For >10 To 25, Add	*21.44*	
		For >25 To 50, Add	*13.34*	
		For >50 To 100, Add	*6.67*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.67*	
		For >2,000 To 5,000, Deduct	*-3.05*	
		For >5,000, Deduct	*-4.96*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.10	
		For Up To >10, Add	*31.38*	
		For >10 To 25, Add	*24.22*	
		For >25 To 50, Add	*15.11*	
		For >50 To 100, Add	*7.55*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-1.93*	
		For >2,000 To 5,000, Deduct	*-3.52*	
		For >5,000, Deduct	*-5.73*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.88	
		For Up To >10, Add	*34.69*	
		For >10 To 25, Add	*26.65*	
		For >25 To 50, Add	*16.67*	
		For >50 To 100, Add	*8.33*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.18*	
		For >2,000 To 5,000, Deduct	*-3.95*	
		For >5,000, Deduct	*-6.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	25.80	
		For Up To >10, Add	*38.43*	
		For >10 To 25, Add	*29.42*	
		For >25 To 50, Add	*18.43*	
		For >50 To 100, Add	*9.22*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,000, Deduct	*-2.45*	
		For >2,000 To 5,000, Deduct	*-4.42*	
		For >5,000, Deduct	*-7.20*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	31.50	
		For Up To >10, Add	*45.48*	
		For >10 To 25, Add	*34.63*	
		For >25 To 50, Add	*21.76*	
		For >50 To 100, Add	*10.88*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000 To 2,000, Deduct	*-2.96*	
		For >2,000 To 5,000, Deduct	*-5.33*	
		For >5,000, Deduct	*-8.68*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	36.73	
		For Up To >10, Add	*51.14*	
		For >10 To 25, Add	*38.68*	
		For >25 To 50, Add	*24.39*	
		For >50 To 100, Add	*12.19*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,000, Deduct	*-3.41*	
		For >2,000 To 5,000, Deduct	*-6.11*	
		For >5,000, Deduct	*-9.97*	

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set-up And Final Equipment Removal For Deflection Testing (Mandrel)	748.20
33 05 05 43-0003	EA	Move And Set-up At Different Access/Location For Deflection Testing (Mandrel)	374.10
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.15
		For >100 To 200, Deduct	*-0.06*
		For >200 To 400, Deduct	*-0.12*
		For >400, Deduct	*-0.18*
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.71
		For >100 To 200, Deduct	*-0.08*
		For >200 To 400, Deduct	*-0.15*
		For >400, Deduct	*-0.24*
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	2.04
		For >100 To 200, Deduct	*-0.09*
		For >200 To 400, Deduct	*-0.18*
		For >400, Deduct	*-0.28*
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.38
		For >100 To 200, Deduct	*-0.11*
		For >200 To 400, Deduct	*-0.20*
		For >400, Deduct	*-0.31*
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.66
		For >100 To 200, Deduct	*-0.12*
		For >200 To 400, Deduct	*-0.22*
		For >400, Deduct	*-0.34*
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.81
		For >100 To 200, Deduct	*-0.13*
		For >200 To 400, Deduct	*-0.24*
		For >400, Deduct	*-0.37*
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.98
		For >100 To 200, Deduct	*-0.14*
		For >200 To 400, Deduct	*-0.26*
		For >400, Deduct	*-0.41*
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.29
		For >100 To 200, Deduct	*-0.16*
		For >200 To 400, Deduct	*-0.31*
		For >400, Deduct	*-0.48*
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.92
		For >100 To 200, Deduct	*-0.21*
		For >200 To 400, Deduct	*-0.39*
		For >400, Deduct	*-0.62*
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	5.26
		For >100 To 200, Deduct	*-0.31*
		For >200 To 400, Deduct	*-0.58*
		For >400, Deduct	*-0.91*
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.72
		For >100 To 200, Deduct	*-0.42*
		For >200 To 400, Deduct	*-0.79*
		For >400, Deduct	*-1.23*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	28.45	
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	34.34	
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	47.08	
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	60.83	
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	112.49	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	164.10	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	197.18	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	235.57	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	407.62	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	509.80	
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	628.80	
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	718.43	
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	923.59	
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	995.19	
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,082.31	
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,134.68	
33 05 07 13-0018	EA	Minimum Set-up Charge For 8" To 20" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,705.56	
33 05 07 13-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,289.03	
33 05 07 13-0020	EA	Minimum Set-up Charge For >36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,380.88	

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	15.61	
		For Horizontal Boring Through Rock, Add		*10.93*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	23.43	
		For Horizontal Boring Through Rock, Add		*16.40*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	32.53	
		For Horizontal Boring Through Rock, Add		*22.77*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	40.34	
		For Horizontal Boring Through Rock, Add		*28.24*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	48.14	
		For Horizontal Boring Through Rock, Add		*33.70*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	55.96	
		For Horizontal Boring Through Rock, Add		*39.17*
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	65.06	
		For Horizontal Boring Through Rock, Add		*45.54*
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	79.40	
		For Horizontal Boring Through Rock, Add		*55.58*
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	86.02	
		For Horizontal Boring Through Rock, Add		*60.21*
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	92.64	
		For Horizontal Boring Through Rock, Add		*64.85*
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	191.89	
		For Horizontal Boring Through Rock, Add		*134.32*
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	301.18	
		For Horizontal Boring Through Rock, Add		*210.83*
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	459.12	
		For Horizontal Boring Through Rock, Add		*321.38*
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	734.59	
		For Horizontal Boring Through Rock, Add		*514.21*
33 05 07 13-0036	EA	Minimum Set-up Charge For Up To 6" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,862.87	
33 05 07 13-0037	EA	Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,705.56	
33 05 07 13-0038	EA	Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,289.03	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	73.75	
		For Horizontal Jacking Through Rock, Add		*35.45*
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	88.43	
		For Horizontal Jacking Through Rock, Add		*42.78*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0004		LF	4" Diameter Horizontal Jacking	119.53	
			For Horizontal Jacking Through Rock, Add	*58.67*	
33 05 07 23-0005		LF	6" Diameter Horizontal Jacking	154.48	
			For Horizontal Jacking Through Rock, Add	*75.78*	
33 05 07 23-0006		LF	8" Diameter Horizontal Jacking	209.33	
			For Horizontal Jacking Through Rock, Add	*103.87*	
33 05 07 23-0007		LF	10" Diameter Horizontal Jacking	306.86	
			For Horizontal Jacking Through Rock, Add	*151.55*	
33 05 07 23-0008		LF	12" Diameter Horizontal Jacking	369.43	
			For Horizontal Jacking Through Rock, Add	*182.11*	
33 05 07 23-0009		LF	16" Diameter Horizontal Jacking	441.08	
			For Horizontal Jacking Through Rock, Add	*217.56*	
33 05 07 23-0010		LF	20" Diameter Horizontal Jacking	688.71	
			For Horizontal Jacking Through Rock, Add	*377.66*	
33 05 07 23-0011		LF	24" Diameter Horizontal Jacking	1,130.82	
			For Horizontal Jacking Through Rock, Add	*423.84*	
33 05 07 23-0012		LF	30" Diameter Horizontal Jacking	1,314.99	
			For Horizontal Jacking Through Rock, Add	*523.34*	
33 05 07 23-0013		LF	36" Diameter Horizontal Jacking	1,485.26	
			For Horizontal Jacking Through Rock, Add	*598.40*	
33 05 07 23-0014		LF	42" Diameter Horizontal Jacking	1,595.58	
			For Horizontal Jacking Through Rock, Add	*646.21*	
33 05 07 23-0015		LF	48" Diameter Horizontal Jacking	1,730.13	
			For Horizontal Jacking Through Rock, Add	*696.26*	
33 05 07 23-0016		LF	54" Diameter Horizontal Jacking	1,849.31	
			For Horizontal Jacking Through Rock, Add	*757.76*	
33 05 07 23-0017		EA	Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,862.87	
33 05 07 23-0018		EA	Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,705.56	
33 05 07 23-0019		EA	Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,289.03	
33 05 07 23-0020		EA	Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,380.88	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003		LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	21.69	
33 05 07 24-0004		LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.97	
33 05 07 24-0005		LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.82	
33 05 07 24-0006		LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	26.71	
33 05 07 24-0007		LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	33.85	
33 05 07 24-0008		LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	38.31	
33 05 07 24-0009		LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	42.78	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

Note: Includes detectable tracer wire.

33 05 07 24-0011		LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.29	
33 05 07 24-0012		LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.91	
33 05 07 24-0013		LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.50	
33 05 07 24-0014		LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.02	
33 05 07 24-0015		LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.58	
33 05 07 24-0016		LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.17	
33 05 07 24-0017		LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.77	
33 05 07 24-0018		LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.80	
33 05 07 24-0019		LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.05	
33 05 07 24-0020		LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.30	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.54	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.15	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0547 for mechanical restraints, 33 14 13 13-0582 for flanged restraints, 33 14 13 13-1167 for slip-on restraints, 33 14 13 13-1183 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0353 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0697 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0227 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0249 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.10
		For Up To 250, Add	*0.13*
		For >250 To 500, Add	*0.09*
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.59
		For Up To 250, Add	*0.16*
		For >250 To 500, Add	*0.11*
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.99
		For Up To 250, Add	*0.18*
		For >250 To 500, Add	*0.12*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.48	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.37	
		For Up To 250, Add	*0.45*	
		For >250 To 500, Add	*0.30*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.31	
		For Up To 250, Add	*0.69*	
		For >250 To 500, Add	*0.46*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.19	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.76	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.13	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.82	
		For Up To 250, Add	*0.27*	
		For >250 To 500, Add	*0.18*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.13	
		For Up To 250, Add	*0.56*	
		For >250 To 500, Add	*0.38*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	10.27	
		For Up To 250, Add	*0.83*	
		For >250 To 500, Add	*0.55*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-1442 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,828.20	329.28
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,491.84	472.97
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,359.04	718.43
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	355.77	83.82
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	383.36	83.82
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	613.04	83.82
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	489.70	83.82
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	699.77	83.82

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,532.11	377.18
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,380.85	514.87
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,470.02	778.30
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	479.74	98.79
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	521.57	98.79
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	869.66	98.79
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	682.74	98.79
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,001.15	98.79

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	4,733.39	419.08
		For Bitumastic Coating, Add	*108.37*	
		For Epoxy Coating, Add	*259.10*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,304.99	574.74
		For Bitumastic Coating, Add	*162.55*	
		For Epoxy Coating, Add	*388.65*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,143.12	862.12
		For Bitumastic Coating, Add	*216.74*	
		For Epoxy Coating, Add	*518.21*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	847.55	107.77
		For Bitumastic Coating, Add	*27.09*	
		For Epoxy Coating, Add	*64.78*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	6,343.65	466.98
		For Bitumastic Coating, Add	*124.07*	
		For Epoxy Coating, Add	*303.34*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	8,264.74	634.61
		For Bitumastic Coating, Add	*186.10*	
		For Epoxy Coating, Add	*455.01*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	10,484.21	957.90
		For Bitumastic Coating, Add	*248.13*	
		For Epoxy Coating, Add	*606.68*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,028.67	119.74
		For Bitumastic Coating, Add	*31.02*	
		For Epoxy Coating, Add	*75.84*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	9,984.29	514.87
		For Bitumastic Coating, Add	*263.83*	
		For Epoxy Coating, Add	*530.07*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	12,913.91	702.26
		For Bitumastic Coating, Add	*395.74*	
		For Epoxy Coating, Add	*795.10*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	16,171.61	1,053.69
		For Bitumastic Coating, Add	*527.66*	
		For Epoxy Coating, Add	*1,060.14*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,540.84	131.71
		For Bitumastic Coating, Add	*65.96*	
		For Epoxy Coating, Add	*132.52*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	14,437.79	592.71
		For Bitumastic Coating, Add	*311.90*	
		For Epoxy Coating, Add	*646.11*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	18,723.65	808.23
		For Bitumastic Coating, Add	*467.86*	
		For Epoxy Coating, Add	*969.16*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	23,386.67	1,212.34
		For Bitumastic Coating, Add	*623.81*	
		For Epoxy Coating, Add	*1,292.21*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,226.74	149.67
		For Bitumastic Coating, Add	*77.98*	
		For Epoxy Coating, Add	*161.53*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0002		**Precast Concrete Underground Utility Vault** *(33 05 63 00-0001)* Note: Sizes given are for inside dimensions.		
33 05 63 00-0003		**6' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,872.06	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,047.26	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,326.79	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,614.66	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,450.15	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,851.81	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,254.70	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,371.25	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,371.25	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,836.53	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,482.40	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,111.80	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,883.38	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,876.66	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,150.03	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,388.65	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,807.24	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,057.80	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,443.91	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,848.94	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,534.93	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,769.53	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,540.84	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,266.16	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,262.52	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,989.00	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,183.67	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,305.07	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,442.81	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,652.19	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,022.72	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,788.80	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,271.97	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,619.74	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,216.77	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,813.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,710.41	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,695.85	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,041.47	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,866.18	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,482.67	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	20,734.76	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,742.72	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,204.56	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,898.62	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	20,041.67	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,789.35	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,581.71	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,936.39	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,350.77	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,737.00	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,358.01	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,589.57	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,981.37	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,358.01	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,787.02	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	13,456.44	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	19,217.04	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	337.30	25.94
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	294.28	57.60
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	449.15	86.41
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	520.87	86.41
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	497.17	86.41
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	600.62	86.41
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	585.01	86.41
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	794.47	86.41
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,127.76	115.21
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,578.55	115.21
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,028.49	158.40
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,169.66	158.40
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,904.03	158.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,098.62	172.81
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,561.03	172.81
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,939.18	172.81
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,833.56	172.81
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,611.11	279.38
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,307.06	279.38
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	431.00	25.94
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	560.75	86.41
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	676.20	86.41
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	624.52	86.41
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	712.94	86.41
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	736.12	86.41
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	946.89	86.41
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,265.80	158.40
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,406.97	158.40
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,141.37	158.40
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,888.42	279.38
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,589.67	279.38
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	551.58	25.94
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.78	25.94
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.56	86.41
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.60	86.41
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.78	25.94
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	202.70	25.94
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.79	25.94
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	340.68	25.94
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	289.08	57.60
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.93	57.60
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	199.65	25.94
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	227.56	25.94
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.55	57.60
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.97	57.60
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	323.11	57.60
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	388.89	86.41
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	426.57	86.41
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.59	86.41
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	496.79	86.41
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	580.95	86.41
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	632.00	86.41
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	687.87	86.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	722.99	86.41
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	862.97	115.21
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	875.56	158.40
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,120.22	158.40
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,346.13	158.40
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,488.80	158.40
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,630.70	158.40
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,882.62	279.38
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,382.49	279.38
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,563.69	279.38
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,910.17	279.38
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.61	279.38
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,035.95	279.38
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,284.69	279.38
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,108.06	299.34
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,283.67	299.34
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,507.88	299.34
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,597.59	299.34
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,628.77	299.34
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,970.40	299.34
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,306.95	299.34
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,026.79	299.34
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,404.15	319.29
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,187.36	319.29
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,354.57	319.29

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	516.48	86.41
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.72	86.41
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.75	25.94
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.68	25.94
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	424.82	25.94
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.74	25.94
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	386.63	57.60
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	402.54	57.60
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.80	57.60
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.67	25.94
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	350.03	25.94
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.28	57.60
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	461.70	57.60
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.04	57.60
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	515.77	86.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.91	86.41
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	606.00	86.41
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	647.93	86.41
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.84	86.41
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	783.12	86.41
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	838.74	86.41
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	874.11	86.41
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,071.72	115.21
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,112.90	158.40
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,357.26	158.40
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,582.92	158.40
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,725.37	158.40
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,867.74	158.40
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,657.18	279.38
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,838.65	279.38
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,184.87	279.38
33 05 63 00-0186		**Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	475.00	86.41
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	551.29	86.41
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	164.04	25.94
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.88	25.94
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.38	25.94
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.57	25.94
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.35	57.60
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	403.57	57.60
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	234.82	25.94
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	381.08	57.60
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.16	57.60
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.39	57.60
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	509.92	86.41
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	585.23	86.41
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.27	86.41
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	669.90	86.41
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	724.76	86.41
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	776.55	86.41
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	869.29	86.41
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	882.22	86.41
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,087.89	115.21
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,133.86	158.40
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,403.74	158.40
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,670.64	158.40
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,847.92	158.40
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,025.20	158.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,212.92	279.38
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,712.80	279.38
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,908.14	279.38
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,254.38	279.38
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,407.11	279.38
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,454.93	279.38
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,918.89	279.38
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,715.20	299.34
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,805.94	299.34
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,063.34	299.34
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,258.16	299.34
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,997.75	299.34
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,694.50	299.34
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,214.68	299.34
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,527.30	299.34
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,264.05	319.29
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,047.58	319.29
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,786.34	319.29
33 05 63 00-0231		**Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.90	86.41
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	705.70	86.41
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	252.29	25.94
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	382.64	25.94
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	482.21	25.94
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	497.60	25.94
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	473.08	57.60
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	517.03	57.60
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.93	25.94
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	494.29	57.60
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	549.37	57.60
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	477.87	57.60
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	637.31	86.41
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	712.62	86.41
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	761.39	86.41
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	821.04	86.41
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	875.88	86.41
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	927.69	86.41
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,020.45	86.41
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,033.33	86.41
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,296.37	115.21
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,371.17	158.40

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0254		EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,640.81	158.40
33 05 63 00-0255		EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,907.42	158.40
33 05 63 00-0256		EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,084.83	158.40
33 05 63 00-0257		EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,262.24	158.40
33 05 63 00-0258		EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,987.75	279.38
33 05 63 00-0259		EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,183.35	279.38
33 05 63 00-0260		EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,529.34	279.38
33 05 63 00-0261			Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0262		EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	506.67	86.41
33 05 63 00-0263		EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	342.15	57.60
33 05 63 00-0264		EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	384.62	57.60
33 05 63 00-0265		EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	451.55	86.41
33 05 63 00-0266		EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	356.06	57.60
33 05 63 00-0267		EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	396.74	57.60
33 05 63 00-0268			Polymer Concrete Handhole Enclosure Extensions *(33 05 63 00-0069)*		
			Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269		EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	372.47	86.41
33 05 63 00-0270		EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	416.73	86.41
33 05 63 00-0271		EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	479.88	115.21
33 05 63 00-0272		EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	523.33	115.21
33 05 63 00-0273		EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	622.15	158.40
33 05 63 00-0274		EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,124.70	279.38
33 05 63 00-0275		EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,077.19	279.38
33 05 63 00-0276		EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,087.56	279.38
33 05 63 00-0277		EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,451.63	299.34
33 05 63 00-0278		EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,273.08	319.29
33 05 63 00-0279		EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,963.24	319.29
33 05 63 00-0280		EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	604.72	86.41
33 05 63 00-0281		EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	631.76	86.41
33 05 63 00-0282		EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	677.99	115.21
33 05 63 00-0283		EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	721.91	115.21
33 05 63 00-0284		EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	839.43	158.40
33 05 63 00-0285		EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,384.26	279.38
33 05 63 00-0286		EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	472.53	86.41
33 05 63 00-0287		EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	525.87	86.41
33 05 63 00-0288		EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	698.67	158.40
33 05 63 00-0289		EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,400.76	299.34
33 05 63 00-0290			Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0069)*		
33 05 63 00-0291			Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0292		EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	130.85	11.53
33 05 63 00-0293		EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.56	11.53
33 05 63 00-0294		EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	122.81	11.53
33 05 63 00-0295		EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.89	11.53
33 05 63 00-0296		EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	134.18	11.52
33 05 63 00-0297		EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	154.03	11.52
33 05 63 00-0298		EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	178.58	11.52
33 05 63 00-0299		EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,177.21	35.92
33 05 63 00-0300		EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,030.83	35.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,540.71	35.92
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,558.09	35.92
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,764.40	35.92
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,921.98	35.92
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,085.46	35.92
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	111.98	11.52
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	160.70	11.52
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	162.97	11.52
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	205.19	11.52
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	154.66	11.52
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	242.85	11.52
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	190.54	11.52
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	391.65	11.52
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	342.81	17.28
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	429.86	17.28
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	554.14	20.16
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	781.21	27.94
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	812.12	53.22
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	207.72	11.52
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	296.43	11.52
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	337.38	11.52
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	561.38	11.52
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	462.47	17.28
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	782.06	20.16
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,028.11	27.94
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,387.08	35.92
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,233.71	35.92
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,721.43	35.92
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,240.14	35.92
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,145.52	35.92
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,254.38	35.92
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,024.24	35.92
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	273.44	11.52
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	299.07	11.52
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	393.98	11.52
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	449.06	11.52
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	776.62	11.52
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	563.90	17.28
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	771.28	17.28
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,196.18	20.16
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,371.80	27.94
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,427.48	53.22
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,651.14	35.92
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,303.24	35.92
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,220.44	35.92
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,874.29	35.92
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	4,760.20	35.92
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	7,344.87	35.92

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	150.36	11.53
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	158.94	11.53
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	161.73	11.52
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	162.79	11.52
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.94	11.52
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	119.89	11.52
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	168.81	11.52
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.38	11.52
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	213.55	11.52
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	163.75	11.52
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	200.15	11.52
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	251.69	11.52
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	348.74	17.28
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	438.97	17.28
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	821.49	53.22
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	99.78	11.53
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	156.26	11.53
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.86	11.53
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	166.04	11.53
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	136.71	11.52
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	215.81	11.52
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	234.09	11.52
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	305.03	11.52
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	346.72	11.52
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	470.83	17.28
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	588.05	17.28
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,080.50	53.22

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0377		**Polymer Concrete Handhole Enclosure Covers Without Bolts** *(33 05 63 00-0290)*			
33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		80.36	11.53
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		95.55	11.53
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		116.00	11.53
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		125.10	11.53
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		124.84	11.52
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		148.14	11.52
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		171.03	11.52
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		414.94	17.28
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		778.03	53.22
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,164.42	35.92
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,016.38	35.92
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,516.94	35.92
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,464.01	35.92
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,750.60	35.92
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		1,871.00	35.92
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		2,987.48	35.92
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		107.66	11.52
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		105.13	11.52
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		155.24	11.52
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		170.58	11.52
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		193.07	11.52
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts		146.82	11.52
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		163.75	11.52
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		232.23	11.52
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		335.93	17.28
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		419.66	17.28
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		414.69	17.28
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		750.12	27.94
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts		778.03	31.93
33 05 63 00-0407		**Overlapping, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*			
33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,212.11	35.92
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,752.37	35.92
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,017.31	53.22
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,347.11	53.22
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,438.96	35.92
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover		1,958.92	35.92
33 05 63 00-0414		**Split, Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*			
33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover		470.98	17.28
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover		878.52	27.94
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover		919.04	53.22
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		76.13	11.53
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		125.90	11.53
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		138.49	11.53
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		146.83	11.53
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		128.87	11.52
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		226.67	11.52
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		630.88	17.28
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		1,166.88	27.94
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover		1,223.30	53.22
33 05 63 00-0427		**Precast Concrete Handholes With Steel Cover** *(33 05 63 00-0068)*			
		Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).			
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover		1,148.82	285.65
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover		1,958.39	428.48
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*120.04*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover		2,346.77	571.29
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*213.41*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover		2,449.53	571.29
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*271.41*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover		2,857.54	714.12
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*328.31*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover		3,027.95	714.12
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*356.81*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover		3,481.17	856.94
		Note: 8000 To 12000 pound traffic rated top.			
		For 15,000 to 22,500 Pound Traffic Rated Top, Add		*418.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,988.95	999.77
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*572.94*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,987.87	856.94
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*607.54*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	4,031.46	856.94
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*437.34*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	869.77	285.65
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,032.96	321.35
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,287.91	357.06
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	97.48	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	74.19	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	124.87	

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,762.42	102.97
		For Ductile Iron Castings, Add	*2,415.78*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,986.47	102.97
		For Ductile Iron Castings, Add	*1,172.61*	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,296.06	119.74
		For Ductile Iron Castings, Add	*1,355.78*	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,764.38	132.90
		For Ductile Iron Castings, Add	*2,355.68*	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	3,102.48	143.68
		For Ductile Iron Castings, Add	*1,868.80*	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,239.07	149.67
		For Ductile Iron Castings, Add	*1,953.05*	

33 05 81 00-0014 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,149.29	85.01
		For Ductile Iron Castings, Add	*2,667.63*	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,189.64	85.01
		For Ductile Iron Castings, Add	*2,676.37*	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,247.72	99.38
		For Ductile Iron Castings, Add	*2,694.02*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,099.80	111.36
		For Ductile Iron Castings, Add	*3,266.92*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,958.52	113.75
		For Ductile Iron Castings, Add	*3,856.66*	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,288.67	116.15
		For Ductile Iron Castings, Add	*4,083.65*	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,583.70	119.74
		For Ductile Iron Castings, Add	*4,285.89*	

33 05 81 00-0022 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,588.16	33.65
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,944.63	37.26
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	4,242.07	43.27

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	480.07	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	57.13	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0004		Rainguard Inflow Protectors *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	148.75	24.53
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	173.58	24.53
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	207.50	29.43
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	223.19	29.43
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	277.76	34.34
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	297.03	34.34

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001		Manhole Accessories *(33 05 84)*		
33 05 84 00-0002		Precast Concrete Manhole Tops *(33 05 84 00-0001)*		
33 05 84 00-0003		Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*		
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	665.64	89.81
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	933.67	96.99
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,266.03	104.18
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,517.21	111.36
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,314.94	119.74
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	3,093.61	128.72
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,278.29	137.70
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,495.11	148.18
33 05 84 00-0012		Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*		
33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,061.85	112.25
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,181.95	116.75
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,302.07	121.23
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,536.26	128.72
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,776.47	137.70
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,822.06	146.68
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,546.46	161.64
33 05 84 00-0020		Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*		
33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,392.32	104.18
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,794.67	111.36
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,372.11	111.36
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,759.52	111.36
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,838.88	111.36
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	7,012.42	111.36
33 05 84 00-0027		Pipe To Manhole Connector *(33 05 84 00-0001)*		
33 05 84 00-0028		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*		
33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	98.48	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	144.03	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	162.43	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	244.19	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	340.63	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	451.42	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	809.51	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,123.35	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,767.62	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,082.64	
33 05 84 00-0039		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0027)* Note: Fernco CMA.		
33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	122.36	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	170.04	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	214.90	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	259.51	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	301.04	
33 05 84 00-0045		Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*		
33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	309.39	
33 05 84 00-0047		Inverts For Manholes *(33 05 84 00-0001)*		
33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	480.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	696.57	
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	937.02	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	1,177.42	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	724.37	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	1,084.44	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,450.71	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,812.82	

33 05 84 00-0056 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0057 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*

33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	232.14	
		For 80 Mil Material, Add	*34.17*	
		For 100 Mil Material, Add	*68.34*	
		For 125 Mil Material, Add	*107.91*	
		For 150 Mil Material, Add	*147.49*	
		For 200 Mil Material, Add	*218.27*	
		For 2 To 5 Manholes, Deduct	*-15.79*	
		For 6 To 10 Manholes, Deduct	*-25.77*	
		For >10 Manholes, Deduct	*-51.55*	
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	280.18	
		For 80 Mil Material, Add	*40.58*	
		For 100 Mil Material, Add	*81.16*	
		For 125 Mil Material, Add	*128.06*	
		For 150 Mil Material, Add	*174.95*	
		For 200 Mil Material, Add	*258.52*	
		For 2 To 5 Manholes, Deduct	*-19.12*	
		For 6 To 10 Manholes, Deduct	*-31.24*	
		For >10 Manholes, Deduct	*-62.47*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	309.51	
		For 80 Mil Material, Add	*45.56*	
		For 100 Mil Material, Add	*91.11*	
		For 125 Mil Material, Add	*143.88*	
		For 150 Mil Material, Add	*196.64*	
		For 200 Mil Material, Add	*291.02*	
		For 2 To 5 Manholes, Deduct	*-21.05*	
		For 6 To 10 Manholes, Deduct	*-34.36*	
		For >10 Manholes, Deduct	*-68.73*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	386.97	
		For 80 Mil Material, Add	*56.97*	
		For 100 Mil Material, Add	*113.94*	
		For 125 Mil Material, Add	*179.93*	
		For 150 Mil Material, Add	*245.92*	
		For 200 Mil Material, Add	*363.95*	
		For 2 To 5 Manholes, Deduct	*-26.32*	
		For 6 To 10 Manholes, Deduct	*-42.96*	
		For >10 Manholes, Deduct	*-85.92*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	449.47	
		For 80 Mil Material, Add	*67.24*	
		For 100 Mil Material, Add	*134.49*	
		For 125 Mil Material, Add	*212.55*	
		For 150 Mil Material, Add	*290.61*	
		For 200 Mil Material, Add	*430.75*	
		For 2 To 5 Manholes, Deduct	*-30.47*	
		For 6 To 10 Manholes, Deduct	*-49.69*	
		For >10 Manholes, Deduct	*-99.39*	

33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*

Note: For new manholes and shop applied.

33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	305.01
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	373.88
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	456.26
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	572.97
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	689.69
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	46.73

33 05 84 00-0070 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	101.00
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	110.42
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	119.84
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	129.26

33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	113.40
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	124.11
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	134.82
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	145.53

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0081		30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*			
33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring		125.56	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring		137.50	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring		149.44	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring		161.38	
33 05 84 00-0086		Bentonite Collar *(33 05 84 00-0001)*			
33 05 84 00-0087		Bentonite Collar At Manhole Connections *(33 05 84 00-0086)*			
33 05 84 00-0088	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection		169.24	
33 05 84 00-0089	EA	>12" To 21", Bentonite Collar At Manhole Connection		268.13	
33 05 84 00-0090	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection		425.17	
33 05 84 00-0091	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection		994.16	
33 05 84 00-0092	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection		1,549.60	
33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection		2,813.68	
33 05 84 00-0094		Waste Water Collection System Taps *(33 05 84)*			
		Note: For tapping existing structures only. Includes grout.			
33 05 84 00-0095		Brick Manhole Taps *(33 05 84 00-0094)*			
33 05 84 00-0096	EA	4" Tap In 6" Brick Manhole		624.01	
33 05 84 00-0097	EA	6" Tap In 6" Brick Manhole		697.39	
33 05 84 00-0098	EA	8" Tap In 6" Brick Manhole		769.46	
33 05 84 00-0099	EA	10" Tap In 6" Brick Manhole		841.38	
33 05 84 00-0100	EA	12" Tap In 6" Brick Manhole		927.90	
33 05 84 00-0101	EA	15" Tap In 6" Brick Manhole		999.67	
33 05 84 00-0102		Precast Concrete Manhole Tap *(33 05 84 00-0094)*			
33 05 84 00-0103	EA	4" Tap In Existing Precast Concrete Manhole		915.56	
33 05 84 00-0104	EA	6" Tap In Existing Precast Concrete Manhole		1,025.62	
33 05 84 00-0105	EA	8" Tap In Existing Precast Concrete Manhole		1,146.91	
33 05 84 00-0106	EA	10" Tap In Existing Precast Concrete Manhole		1,254.80	
33 05 84 00-0107	EA	12" Tap In Existing Precast Concrete Manhole		1,362.47	
33 05 84 00-0108	EA	15" Tap In Existing Precast Concrete Manhole		1,472.75	
33 05 84 00-0109	EA	18" Tap In Existing Precast Concrete Manhole		1,695.24	
33 05 84 00-0110	EA	24" Tap In Existing Precast Concrete Manhole		2,179.25	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 16-0001		Reflective Sheeting Delineators *(33 05 97 16)*			
33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square		52.29	
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square		55.93	
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square		63.20	
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square		66.84	
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square		70.48	
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square		60.48	
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		53.20	
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		56.84	
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		56.84	
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		60.48	
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		64.11	
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		67.75	
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		100.50	
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		66.84	
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		105.05	
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		100.50	
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		104.14	
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		105.05	
33 05 97 16-0020	EA	Relocate Delineator		66.14	
33 05 97 16-0021		Reference Markers *(33 05 97 16)*			
33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height		113.97	
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height		144.10	
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted		135.31	
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only		129.30	
33 05 97 16-0026	EA	Relocate Reference Marker		66.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 16-0027		Object Markers *(33 05 97 16)*		
33 05 97 16-0028	EA	Object Marker, Type L-1	101.04	
33 05 97 16-0029	EA	Object Marker, Type L-2	93.09	
33 05 97 16-0030	EA	Object Marker, Type K-1	107.39	
33 05 97 16-0031	EA	Object Marker, Type K-2	99.45	
33 05 97 16-0032	EA	Object Marker, Type Q	67.66	
33 05 97 23		**Utility Identification Warning Tape** *(33 05 97)*		
33 05 97 23-0001		Non-Detectable Utility Warning Tape *(33 05 97 23)*		
		Note: Labor installation is included with pipe and excavation.		
33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.61	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	12.16	
33 05 97 23-0004		Detectable Utility Warning Tape *(33 05 97 23)*		
		Note: Labor installation is included with pipe and excavation.		
33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.76	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.96	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	19.19	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001		Drill And Test Water Well *(33 11 13)*		
33 11 13 00-0002		Drill Hole *(33 11 13 00-0001)*		
		Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003		Mobilization And Demobilization *(33 11 13 00-0002)*		
33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,195.07	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,456.91	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	2,185.37	
33 11 13 00-0007		Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*		
		Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	28.23	
		For >100 To 250, Add	*0.71*	
		For >250 To 400, Add	*1.41*	
		For >400 To 600, Add	*2.12*	
		For >600 To 750, Add	*2.82*	
		For >750, Add	*3.53*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	33.51	
		For >100 To 250, Add	*0.84*	
		For >250 To 400, Add	*1.68*	
		For >400 To 600, Add	*2.51*	
		For >600 To 750, Add	*3.35*	
		For >750, Add	*4.19*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	44.80	
		For >100 To 250, Add	*1.12*	
		For >250 To 400, Add	*2.24*	
		For >400 To 600, Add	*3.36*	
		For >600 To 750, Add	*4.48*	
		For >750, Add	*5.60*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	70.11	
		For >100 To 250, Add	*1.75*	
		For >250 To 400, Add	*3.51*	
		For >400 To 600, Add	*5.26*	
		For >600 To 750, Add	*7.01*	
		For >750, Add	*8.76*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	100.89	
		For >100 To 250, Add	*2.52*	
		For >250 To 400, Add	*5.04*	
		For >400 To 600, Add	*7.57*	
		For >600 To 750, Add	*10.09*	
		For >750, Add	*12.61*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	131.85	
		For >100 To 250, Add	*3.30*	
		For >250 To 400, Add	*6.59*	
		For >400 To 600, Add	*9.89*	
		For >600 To 750, Add	*13.19*	
		For >750, Add	*16.48*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	156.62	
		For >100 To 250, Add	*3.92*	
		For >250 To 400, Add	*7.83*	
		For >400 To 600, Add	*11.75*	
		For >600 To 750, Add	*15.66*	
		For >750, Add	*19.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	182.12	
		For >100 To 250, Add	*4.55*	
		For >250 To 400, Add	*9.11*	
		For >400 To 600, Add	*13.66*	
		For >600 To 750, Add	*18.21*	
		For >750, Add	*22.77*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	213.98	
		For >100 To 250, Add	*5.35*	
		For >250 To 400, Add	*10.70*	
		For >400 To 600, Add	*16.05*	
		For >600 To 750, Add	*21.40*	
		For >750, Add	*26.75*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	252.23	
		For >100 To 250, Add	*6.31*	
		For >250 To 400, Add	*12.61*	
		For >400 To 600, Add	*18.92*	
		For >600 To 750, Add	*25.22*	
		For >750, Add	*31.53*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	272.62	
		For >100 To 250, Add	*6.82*	
		For >250 To 400, Add	*13.63*	
		For >400 To 600, Add	*20.45*	
		For >600 To 750, Add	*27.26*	
		For >750, Add	*34.08*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	299.94	
		For >100 To 250, Add	*7.50*	
		For >250 To 400, Add	*15.00*	
		For >400 To 600, Add	*22.50*	
		For >600 To 750, Add	*29.99*	
		For >750, Add	*37.49*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	328.54	
		For >100 To 250, Add	*8.21*	
		For >250 To 400, Add	*16.43*	
		For >400 To 600, Add	*24.64*	
		For >600 To 750, Add	*32.85*	
		For >750, Add	*41.07*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	408.67	
		For >100 To 250, Add	*10.22*	
		For >250 To 400, Add	*20.43*	
		For >400 To 600, Add	*30.65*	
		For >600 To 750, Add	*40.87*	
		For >750, Add	*51.08*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	57.55	
		For >100 To 250, Add	*1.44*	
		For >250 To 400, Add	*2.88*	
		For >400 To 600, Add	*4.32*	
		For >600 To 750, Add	*5.76*	
		For >750, Add	*7.19*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	67.01	
		For >100 To 250, Add	*1.68*	
		For >250 To 400, Add	*3.35*	
		For >400 To 600, Add	*5.03*	
		For >600 To 750, Add	*6.70*	
		For >750, Add	*8.38*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	107.30	
		For >100 To 250, Add	*2.68*	
		For >250 To 400, Add	*5.37*	
		For >400 To 600, Add	*8.05*	
		For >600 To 750, Add	*10.73*	
		For >750, Add	*13.41*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	140.30	
		For >100 To 250, Add	*3.51*	
		For >250 To 400, Add	*7.02*	
		For >400 To 600, Add	*10.52*	
		For >600 To 750, Add	*14.03*	
		For >750, Add	*17.54*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	201.92	
		For >100 To 250, Add	*5.05*	
		For >250 To 400, Add	*10.10*	
		For >400 To 600, Add	*15.14*	
		For >600 To 750, Add	*20.19*	
		For >750, Add	*25.24*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	263.55	
		For >100 To 250, Add	*6.59*	
		For >250 To 400, Add	*13.18*	
		For >400 To 600, Add	*19.77*	
		For >600 To 750, Add	*26.36*	
		For >750, Add	*32.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	313.38	
		For >100 To 250, Add	*7.83*	
		For >250 To 400, Add	*15.67*	
		For >400 To 600, Add	*23.50*	
		For >600 To 750, Add	*31.34*	
		For >750, Add	*39.17*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	363.65	
		For >100 To 250, Add	*9.09*	
		For >250 To 400, Add	*18.18*	
		For >400 To 600, Add	*27.27*	
		For >600 To 750, Add	*36.37*	
		For >750, Add	*45.46*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	428.33	
		For >100 To 250, Add	*10.71*	
		For >250 To 400, Add	*21.42*	
		For >400 To 600, Add	*32.12*	
		For >600 To 750, Add	*42.83*	
		For >750, Add	*53.54*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	494.76	
		For >100 To 250, Add	*12.37*	
		For >250 To 400, Add	*24.74*	
		For >400 To 600, Add	*37.11*	
		For >600 To 750, Add	*49.48*	
		For >750, Add	*61.85*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	545.25	
		For >100 To 250, Add	*13.63*	
		For >250 To 400, Add	*27.26*	
		For >400 To 600, Add	*40.89*	
		For >600 To 750, Add	*54.53*	
		For >750, Add	*68.16*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	599.88	
		For >100 To 250, Add	*15.00*	
		For >250 To 400, Add	*29.99*	
		For >400 To 600, Add	*44.99*	
		For >600 To 750, Add	*59.99*	
		For >750, Add	*74.99*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	657.06	
		For >100 To 250, Add	*16.43*	
		For >250 To 400, Add	*32.85*	
		For >400 To 600, Add	*49.28*	
		For >600 To 750, Add	*65.71*	
		For >750, Add	*82.13*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	817.33	
		For >100 To 250, Add	*20.43*	
		For >250 To 400, Add	*40.87*	
		For >400 To 600, Add	*61.30*	
		For >600 To 750, Add	*81.73*	
		For >750, Add	*102.17*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	118.37	
		For >100 To 250, Add	*2.96*	
		For >250 To 400, Add	*5.92*	
		For >400 To 600, Add	*8.88*	
		For >600 To 750, Add	*11.84*	
		For >750, Add	*14.80*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	136.59	
		For >100 To 250, Add	*3.41*	
		For >250 To 400, Add	*6.83*	
		For >400 To 600, Add	*10.24*	
		For >600 To 750, Add	*13.66*	
		For >750, Add	*17.07*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	156.62	
		For >100 To 250, Add	*3.92*	
		For >250 To 400, Add	*7.83*	
		For >400 To 600, Add	*11.75*	
		For >600 To 750, Add	*15.66*	
		For >750, Add	*19.58*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	198.50	
		For >100 To 250, Add	*4.96*	
		For >250 To 400, Add	*9.93*	
		For >400 To 600, Add	*14.89*	
		For >600 To 750, Add	*19.85*	
		For >750, Add	*24.81*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	256.78	
		For >100 To 250, Add	*6.42*	
		For >250 To 400, Add	*12.84*	
		For >400 To 600, Add	*19.26*	
		For >600 To 750, Add	*25.68*	
		For >750, Add	*32.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	373.33	
		For >100 To 250, Add	*9.33*	
		For >250 To 400, Add	*18.67*	
		For >400 To 600, Add	*28.00*	
		For >600 To 750, Add	*37.33*	
		For >750, Add	*46.67*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	444.35	
		For >100 To 250, Add	*11.11*	
		For >250 To 400, Add	*22.22*	
		For >400 To 600, Add	*33.33*	
		For >600 To 750, Add	*44.44*	
		For >750, Add	*55.54*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	515.38	
		For >100 To 250, Add	*12.88*	
		For >250 To 400, Add	*25.77*	
		For >400 To 600, Add	*38.65*	
		For >600 To 750, Add	*51.54*	
		For >750, Add	*64.42*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	606.44	
		For >100 To 250, Add	*15.16*	
		For >250 To 400, Add	*30.32*	
		For >400 To 600, Add	*45.48*	
		For >600 To 750, Add	*60.64*	
		For >750, Add	*75.81*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	701.14	
		For >100 To 250, Add	*17.53*	
		For >250 To 400, Add	*35.06*	
		For >400 To 600, Add	*52.59*	
		For >600 To 750, Add	*70.11*	
		For >750, Add	*87.64*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	47.80	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.95*	
		For >600 To 750, Deduct	*-5.26*	
		For >750, Deduct	*-6.89*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	59.42	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 400, Deduct	*-3.27*	
		For >400 To 600, Deduct	*-4.91*	
		For >600 To 750, Deduct	*-6.54*	
		For >750, Deduct	*-8.57*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	88.00	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 400, Deduct	*-4.76*	
		For >400 To 600, Deduct	*-7.14*	
		For >600 To 750, Deduct	*-9.52*	
		For >750, Deduct	*-12.37*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	147.68	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 400, Deduct	*-7.82*	
		For >400 To 600, Deduct	*-11.72*	
		For >600 To 750, Deduct	*-15.63*	
		For >750, Deduct	*-20.10*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	165.61	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 400, Deduct	*-8.88*	
		For >400 To 600, Deduct	*-13.32*	
		For >600 To 750, Deduct	*-17.76*	
		For >750, Deduct	*-22.98*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	194.43	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 400, Deduct	*-10.47*	
		For >400 To 600, Deduct	*-15.70*	
		For >600 To 750, Deduct	*-20.93*	
		For >750, Deduct	*-27.13*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	221.82	
		For >100 To 250, Deduct	*-6.48*	
		For >250 To 400, Deduct	*-12.03*	
		For >400 To 600, Deduct	*-18.04*	
		For >600 To 750, Deduct	*-24.05*	
		For >750, Deduct	*-31.28*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	252.87	
		For >100 To 250, Deduct	*-7.47*	
		For >250 To 400, Deduct	*-13.80*	
		For >400 To 600, Deduct	*-20.69*	
		For >600 To 750, Deduct	*-27.59*	
		For >750, Deduct	*-35.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	295.56	
		For >100 To 250, Deduct	*-8.69*	
		For >250 To 400, Deduct	*-16.07*	
		For >400 To 600, Deduct	*-24.11*	
		For >600 To 750, Deduct	*-32.15*	
		For >750, Deduct	*-41.87*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.55	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 750, Deduct	*-0.19*	
		For >750, Deduct	*-0.26*	
33 11 13 00-0060		**Stainless Steel Well Casing, Flush Threaded** *(33 11 13 00-0048)*		
33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	73.87	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 400, Deduct	*-3.93*	
		For >400 To 600, Deduct	*-5.90*	
		For >600 To 750, Deduct	*-7.87*	
		For >750, Deduct	*-10.15*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	110.41	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 400, Deduct	*-5.82*	
		For >400 To 600, Deduct	*-8.73*	
		For >600 To 750, Deduct	*-11.64*	
		For >750, Deduct	*-14.94*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	153.95	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 400, Deduct	*-8.08*	
		For >400 To 600, Deduct	*-12.12*	
		For >600 To 750, Deduct	*-16.16*	
		For >750, Deduct	*-20.70*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	179.12	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 400, Deduct	*-9.41*	
		For >400 To 600, Deduct	*-14.12*	
		For >600 To 750, Deduct	*-18.82*	
		For >750, Deduct	*-24.12*	
33 11 13 00-0065		**Stainless Steel Well Casing, Welded Ring** *(33 11 13 00-0048)*		
33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	165.47	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 400, Deduct	*-8.95*	
		For >400 To 600, Deduct	*-13.42*	
		For >600 To 750, Deduct	*-17.89*	
		For >750, Deduct	*-23.24*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	191.60	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 400, Deduct	*-10.35*	
		For >400 To 600, Deduct	*-15.52*	
		For >600 To 750, Deduct	*-20.70*	
		For >750, Deduct	*-26.87*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	229.74	
		For >100 To 250, Deduct	*-6.61*	
		For >250 To 400, Deduct	*-12.35*	
		For >400 To 600, Deduct	*-18.53*	
		For >600 To 750, Deduct	*-24.70*	
		For >750, Deduct	*-32.00*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	263.01	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 400, Deduct	*-14.13*	
		For >400 To 600, Deduct	*-21.20*	
		For >600 To 750, Deduct	*-28.27*	
		For >750, Deduct	*-36.62*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	290.79	
		For >100 To 250, Deduct	*-8.40*	
		For >250 To 400, Deduct	*-15.67*	
		For >400 To 600, Deduct	*-23.50*	
		For >600 To 750, Deduct	*-31.34*	
		For >750, Deduct	*-40.64*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	379.87	
		For >100 To 250, Deduct	*-10.84*	
		For >250 To 400, Deduct	*-20.34*	
		For >400 To 600, Deduct	*-30.51*	
		For >600 To 750, Deduct	*-40.68*	
		For >750, Deduct	*-52.59*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	499.70	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 400, Deduct	*-26.67*	
		For >400 To 600, Deduct	*-40.00*	
		For >600 To 750, Deduct	*-53.33*	
		For >750, Deduct	*-68.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0073		**Polyvinyl Chloride (PVC) Well Casing, Schedule 80** *(33 11 13 00-0048)*		
33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	48.62	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 400, Deduct	*-2.62*	
		For >400 To 600, Deduct	*-3.93*	
		For >600 To 750, Deduct	*-5.25*	
		For >750, Deduct	*-6.81*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	77.20	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 400, Deduct	*-4.16*	
		For >400 To 600, Deduct	*-6.24*	
		For >600 To 750, Deduct	*-8.32*	
		For >750, Deduct	*-10.79*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	116.69	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 400, Deduct	*-6.29*	
		For >400 To 600, Deduct	*-9.44*	
		For >600 To 750, Deduct	*-12.58*	
		For >750, Deduct	*-16.32*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	137.70	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 400, Deduct	*-7.44*	
		For >400 To 600, Deduct	*-11.16*	
		For >600 To 750, Deduct	*-14.87*	
		For >750, Deduct	*-19.31*	
33 11 13 00-0078		**Furnish And Install Well Screen Assembly** *(33 11 13 00-0001)*		
33 11 13 00-0079		**Stainless Steel Well Screen** *(33 11 13 00-0078)*		
33 11 13 00-0080	LF	2" Stainless Steel Well Screen	24.40	1.92
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 400, Deduct	*-1.47*	
		For >400 To 600, Deduct	*-2.20*	
		For >600 To 750, Deduct	*-2.93*	
		For >750, Deduct	*-3.99*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	37.71	1.92
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 400, Deduct	*-2.15*	
		For >400 To 600, Deduct	*-3.23*	
		For >600 To 750, Deduct	*-4.30*	
		For >750, Deduct	*-5.72*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	47.38	2.89
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 400, Deduct	*-2.71*	
		For >400 To 600, Deduct	*-4.06*	
		For >600 To 750, Deduct	*-5.41*	
		For >750, Deduct	*-7.20*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	59.71	2.89
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 400, Deduct	*-3.39*	
		For >400 To 600, Deduct	*-5.08*	
		For >600 To 750, Deduct	*-6.77*	
		For >750, Deduct	*-8.98*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	72.04	3.84
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 400, Deduct	*-4.14*	
		For >400 To 600, Deduct	*-6.20*	
		For >600 To 750, Deduct	*-8.27*	
		For >750, Deduct	*-11.03*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	93.92	4.80
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 400, Deduct	*-5.38*	
		For >400 To 600, Deduct	*-8.07*	
		For >600 To 750, Deduct	*-10.76*	
		For >750, Deduct	*-14.33*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	119.61	7.68
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 400, Deduct	*-6.90*	
		For >400 To 600, Deduct	*-10.35*	
		For >600 To 750, Deduct	*-13.80*	
		For >750, Deduct	*-18.45*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	140.30	9.60
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 400, Deduct	*-8.09*	
		For >400 To 600, Deduct	*-12.14*	
		For >600 To 750, Deduct	*-16.18*	
		For >750, Deduct	*-21.62*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	154.48	10.56
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 400, Deduct	*-8.96*	
		For >400 To 600, Deduct	*-13.44*	
		For >600 To 750, Deduct	*-17.92*	
		For >750, Deduct	*-24.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	167.64	12.48
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 400, Deduct	*-9.77*	
		For >400 To 600, Deduct	*-14.66*	
		For >600 To 750, Deduct	*-19.55*	
		For >750, Deduct	*-26.24*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	201.56	14.40
		For >100 To 250, Deduct	*-6.75*	
		For >250 To 400, Deduct	*-11.79*	
		For >400 To 600, Deduct	*-17.69*	
		For >600 To 750, Deduct	*-23.59*	
		For >750, Deduct	*-31.71*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	254.15	18.24
		For >100 To 250, Deduct	*-8.51*	
		For >250 To 400, Deduct	*-14.86*	
		For >400 To 600, Deduct	*-22.29*	
		For >600 To 750, Deduct	*-29.72*	
		For >750, Deduct	*-39.95*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	329.93	24.00
		For >100 To 250, Deduct	*-11.07*	
		For >250 To 400, Deduct	*-19.32*	
		For >400 To 600, Deduct	*-28.98*	
		For >600 To 750, Deduct	*-38.64*	
		For >750, Deduct	*-51.97*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	379.99	27.84
		For >100 To 250, Deduct	*-12.70*	
		For >250 To 400, Deduct	*-22.20*	
		For >400 To 600, Deduct	*-33.30*	
		For >600 To 750, Deduct	*-44.40*	
		For >750, Deduct	*-59.66*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	15.79	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 750, Deduct	*-1.96*	
		For >750, Deduct	*-2.70*	
		For Schedule 80, Add	*3.26*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	17.93	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 750, Deduct	*-2.20*	
		For >750, Deduct	*-3.02*	
		For Schedule 80, Add	*3.91*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	25.99	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 400, Deduct	*-1.66*	
		For >400 To 600, Deduct	*-2.50*	
		For >600 To 750, Deduct	*-3.33*	
		For >750, Deduct	*-4.63*	
		For Schedule 80, Add	*4.56*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	36.92	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 400, Deduct	*-2.24*	
		For >400 To 600, Deduct	*-3.36*	
		For >600 To 750, Deduct	*-4.48*	
		For >750, Deduct	*-6.11*	
		For Schedule 80, Add	*8.47*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	46.48	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 400, Deduct	*-2.82*	
		For >400 To 600, Deduct	*-4.23*	
		For >600 To 750, Deduct	*-5.64*	
		For >750, Deduct	*-7.70*	
		For Schedule 80, Add	*10.62*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	57.92	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 400, Deduct	*-3.49*	
		For >400 To 600, Deduct	*-5.23*	
		For >600 To 750, Deduct	*-6.98*	
		For >750, Deduct	*-9.49*	
		For Schedule 80, Add	*13.68*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	65.01	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 400, Deduct	*-4.04*	
		For >400 To 600, Deduct	*-6.06*	
		For >600 To 750, Deduct	*-8.08*	
		For >750, Deduct	*-11.13*	
		For Schedule 80, Add	*13.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	92.58	
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 400, Deduct	*-5.64*	
		For >400 To 600, Deduct	*-8.46*	
		For >600 To 750, Deduct	*-11.28*	
		For >750, Deduct	*-15.42*	
		For Schedule 80, Add	*20.85*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	20.13	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.92*	
		For >600 To 750, Deduct	*-2.57*	
		For >750, Deduct	*-3.57*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	29.72	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 400, Deduct	*-1.92*	
		For >400 To 600, Deduct	*-2.88*	
		For >600 To 750, Deduct	*-3.84*	
		For >750, Deduct	*-5.36*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	41.43	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 400, Deduct	*-2.72*	
		For >400 To 600, Deduct	*-4.07*	
		For >600 To 750, Deduct	*-5.43*	
		For >750, Deduct	*-7.63*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	53.10	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 400, Deduct	*-3.46*	
		For >400 To 600, Deduct	*-5.18*	
		For >600 To 750, Deduct	*-6.91*	
		For >750, Deduct	*-9.68*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	65.46	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 400, Deduct	*-4.23*	
		For >400 To 600, Deduct	*-6.34*	
		For >600 To 750, Deduct	*-8.46*	
		For >750, Deduct	*-11.82*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	84.73	
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 400, Deduct	*-5.42*	
		For >400 To 600, Deduct	*-8.12*	
		For >600 To 750, Deduct	*-10.83*	
		For >750, Deduct	*-15.08*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	97.16	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 400, Deduct	*-6.19*	
		For >400 To 600, Deduct	*-9.29*	
		For >600 To 750, Deduct	*-12.38*	
		For >750, Deduct	*-17.22*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	115.42	
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 400, Deduct	*-7.40*	
		For >400 To 600, Deduct	*-11.10*	
		For >600 To 750, Deduct	*-14.80*	
		For >750, Deduct	*-20.61*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	130.58	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 400, Deduct	*-8.40*	
		For >400 To 600, Deduct	*-12.60*	
		For >600 To 750, Deduct	*-16.80*	
		For >750, Deduct	*-23.42*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	140.66	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 400, Deduct	*-8.99*	
		For >400 To 600, Deduct	*-13.48*	
		For >600 To 750, Deduct	*-17.97*	
		For >750, Deduct	*-25.00*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	167.76	
		For >100 To 250, Deduct	*-6.60*	
		For >250 To 400, Deduct	*-10.79*	
		For >400 To 600, Deduct	*-16.18*	
		For >600 To 750, Deduct	*-21.58*	
		For >750, Deduct	*-30.10*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	194.14	
		For >100 To 250, Deduct	*-7.78*	
		For >250 To 400, Deduct	*-12.64*	
		For >400 To 600, Deduct	*-18.95*	
		For >600 To 750, Deduct	*-25.27*	
		For >750, Deduct	*-35.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0117		**Develop Well** *(33 11 13 00-0001)* Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well	482.69	
33 11 13 00-0119		**Pump Test** *(33 11 13 00-0001)* Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	428.62	
33 11 13 00-0121		**Test Well** *(33 11 13 00-0001)*		
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	117.54	
33 11 13 00-0123		**Surface Seal, Concrete Filled** *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	37.47	
33 11 13 00-0125		**Other Water Well** *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	103.61	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.60	
33 11 13 00-0128	SF	1" Pressure Grout Well	4.21	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	6.00	
33 11 13 00-0130		**Sterilization Of Well** *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,732.24	
33 11 13 00-0132		**Submersible Well Pumps** *(33 11 13)* Note: Includes pump end, motor and control box.		
33 11 13 00-0133		**4" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0134		**Powder Coated Case And Cast Iron Ends** *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,531.47	552.48
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,743.31	612.36
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,935.08	680.39
33 11 13 00-0138		**Stainless Steel Case And Ends** *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,704.35	544.31
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,941.08	612.36
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,174.27	680.39
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,480.85	748.43
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,798.09	816.47
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,425.48	952.55
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,274.29	1,088.62
33 11 13 00-0146		**6" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,251.42	1,360.79
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,879.99	1,496.86
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,531.07	1,632.94
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,652.22	1,905.10

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	99.92	14.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*54.43*	
		For Cement Mortar Lining (CML), Add	*7.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*41.99*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.83*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.00*	
		For Class 52, Add	*23.50*	
		For Class 53, Add	*42.50*	
		For Class 54, Add	*60.70*	
		For Class 55, Add	*69.69*	
		For Class 56, Add	*78.52*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	109.05	15.59
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*59.79*	
		For Cement Mortar Lining (CML), Add	*8.54*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*46.13*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.41*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.45*	
		For Class 51, Add	*11.94*	
		For Class 52, Add	*25.80*	
		For Class 53, Add	*46.66*	
		For Class 54, Add	*66.65*	
		For Class 55, Add	*76.52*	
		For Class 56, Add	*86.21*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	117.47	16.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*64.91*	
		For Cement Mortar Lining (CML), Add	*9.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*50.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.87*	
		For Class 51, Add	*12.95*	
		For Class 52, Add	*27.98*	
		For Class 53, Add	*50.62*	
		For Class 54, Add	*72.31*	
		For Class 55, Add	*83.01*	
		For Class 56, Add	*93.52*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	144.38	17.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*83.03*	
		For Cement Mortar Lining (CML), Add	*11.86*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*64.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.22*	
		For Class 51, Add	*16.49*	
		For Class 52, Add	*35.65*	
		For Class 53, Add	*64.53*	
		For Class 54, Add	*92.19*	
		For Class 55, Add	*105.81*	
		For Class 56, Add	*119.18*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	190.92	24.16
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*92.59*	
		For Cement Mortar Lining (CML), Add	*15.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*77.16*	
		For Fusion Bonded Epoxy Lining (206N), Add	*27.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.57*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.55*	
		For Class 51, Add	*21.49*	
		For Class 52, Add	*46.45*	
		For Class 53, Add	*84.07*	
		For Class 54, Add	*120.09*	
		For Class 55, Add	*137.85*	
		For Class 56, Add	*155.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	237.76	26.85
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*98.54*	
		For Cement Mortar Lining (CML), Add	*19.71*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*78.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*35.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.78*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.89*	
		For Class 51, Add	*27.37*	
		For Class 52, Add	*59.18*	
		For Class 53, Add	*107.14*	
		For Class 54, Add	*153.08*	
		For Class 55, Add	*175.68*	
		For Class 56, Add	*197.86*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	290.16	30.15
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*107.54*	
		For Cement Mortar Lining (CML), Add	*24.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*83.10*	
		For Fusion Bonded Epoxy Lining (206N), Add	*43.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.33*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.51*	
		For Class 51, Add	*33.88*	
		For Class 52, Add	*73.27*	
		For Class 53, Add	*132.69*	
		For Class 54, Add	*189.60*	
		For Class 55, Add	*217.57*	
		For Class 56, Add	*245.02*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	326.31	34.53
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*112.34*	
		For Cement Mortar Lining (CML), Add	*27.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*84.94*	
		For Fusion Bonded Epoxy Lining (206N), Add	*49.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.32*	
		For Class 51, Add	*38.00*	
		For Class 52, Add	*82.17*	
		For Class 53, Add	*148.80*	
		For Class 54, Add	*212.61*	
		For Class 55, Add	*243.98*	
		For Class 56, Add	*274.77*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	412.42	40.28
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*144.07*	
		For Cement Mortar Lining (CML), Add	*35.14*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.93*	
		For Fusion Bonded Epoxy Lining (206N), Add	*63.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-20.62*	
		For Class 51, Add	*48.66*	
		For Class 52, Add	*105.22*	
		For Class 53, Add	*190.60*	
		For Class 54, Add	*272.36*	
		For Class 55, Add	*312.51*	
		For Class 56, Add	*351.93*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	460.19	48.33
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*147.05*	
		For Cement Mortar Lining (CML), Add	*38.70*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*69.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.02*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-23.01*	
		For Class 51, Add	*53.66*	
		For Class 52, Add	*116.03*	
		For Class 53, Add	*210.12*	
		For Class 54, Add	*300.23*	
		For Class 55, Add	*344.53*	
		For Class 56, Add	*388.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	610.89	60.42
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*161.00*	
		For Cement Mortar Lining (CML), Add	*51.94*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*109.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*93.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-30.54*	
		For Class 51, Add	*71.93*	
		For Class 52, Add	*155.55*	
		For Class 53, Add	*281.76*	
		For Class 54, Add	*402.61*	
		For Class 55, Add	*461.98*	
		For Class 56, Add	*520.25*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	830.01	65.05
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*227.03*	
		For Cement Mortar Lining (CML), Add	*73.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.93*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-41.50*	
		For Class 51, Add	*101.04*	
		For Class 52, Add	*218.56*	
		For Class 53, Add	*396.14*	
		For Class 54, Add	*566.17*	
		For Class 55, Add	*649.49*	
		For Class 56, Add	*731.27*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	1,019.54	69.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*283.90*	
		For Cement Mortar Lining (CML), Add	*91.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*164.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-50.98*	
		For Class 51, Add	*126.12*	
		For Class 52, Add	*272.85*	
		For Class 53, Add	*494.67*	
		For Class 54, Add	*707.06*	
		For Class 55, Add	*811.01*	
		For Class 56, Add	*913.05*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,289.57	73.10
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*365.72*	
		For Cement Mortar Lining (CML), Add	*117.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.48*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-64.48*	
		For Class 51, Add	*162.17*	
		For Class 52, Add	*350.88*	
		For Class 53, Add	*636.34*	
		For Class 54, Add	*909.64*	
		For Class 55, Add	*1,043.26*	
		For Class 56, Add	*1,174.40*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,619.63	77.26
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*466.14*	
		For Cement Mortar Lining (CML), Add	*150.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*270.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.78*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-80.98*	
		For Class 51, Add	*206.40*	
		For Class 52, Add	*446.64*	
		For Class 53, Add	*810.18*	
		For Class 54, Add	*1,158.23*	
		For Class 55, Add	*1,328.24*	
		For Class 56, Add	*1,495.09*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	203.63	46.26
		For Cement Mortar Lining (CML), Add	*13.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.01*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	229.07	55.28
		For Cement Mortar Lining (CML), Add	*14.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	361.31	81.70
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	492.49	96.90
		For Cement Mortar Lining (CML), Add	*34.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*62.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	712.13	107.16
		For Cement Mortar Lining (CML), Add	*54.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	930.66	125.71
		For Cement Mortar Lining (CML), Add	*74.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,452.59	140.96
		For Cement Mortar Lining (CML), Add	*123.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*223.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,926.89	161.10
		For Cement Mortar Lining (CML), Add	*168.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*302.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,368.11	225.53
		For Cement Mortar Lining (CML), Add	*202.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,252.74	281.92
		For Cement Mortar Lining (CML), Add	*282.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*508.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,786.69	375.40
		For Cement Mortar Lining (CML), Add	*421.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,378.74	402.74
		For Cement Mortar Lining (CML), Add	*676.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	11,215.28	418.12
		For Cement Mortar Lining (CML), Add	*1,058.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,904.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.64*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,877.88	483.29
		For Cement Mortar Lining (CML), Add	*1,814.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,266.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,360.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,974.48	514.16
		For Cement Mortar Lining (CML), Add	*2,419.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,355.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,814.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		**Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	189.89	46.26
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	203.54	55.28
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	316.14	81.70
		For Cement Mortar Lining (CML), Add	*19.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	427.69	96.90
		For Cement Mortar Lining (CML), Add	*28.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	572.71	107.16
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	803.02	125.71
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,177.69	140.96
		For Cement Mortar Lining (CML), Add	*96.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,445.80	161.10
		For Cement Mortar Lining (CML), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	2,065.71	225.53
		For Cement Mortar Lining (CML), Add	*172.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,268.98	281.92
		For Cement Mortar Lining (CML), Add	*184.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,367.01	375.40
		For Cement Mortar Lining (CML), Add	*279.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*503.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,294.83	402.74
		For Cement Mortar Lining (CML), Add	*568.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,023.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,945.36	418.12
		For Cement Mortar Lining (CML), Add	*831.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,496.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,503.50	483.29
		For Cement Mortar Lining (CML), Add	*1,277.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,298.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*957.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	17,514.76	514.16
		For Cement Mortar Lining (CML), Add	*1,673.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,012.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,255.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		**Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	164.36	46.26
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	197.65	55.28
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	300.43	81.70
		For Cement Mortar Lining (CML), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	421.80	96.90
		For Cement Mortar Lining (CML), Add	*27.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	570.75	107.16
		For Cement Mortar Lining (CML), Add	*40.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	726.44	125.71
		For Cement Mortar Lining (CML), Add	*53.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*96.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,189.47	140.96
		For Cement Mortar Lining (CML), Add	*97.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,396.71	161.10
		For Cement Mortar Lining (CML), Add	*115.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,757.43	225.53
		For Cement Mortar Lining (CML), Add	*141.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,351.45	281.92
		For Cement Mortar Lining (CML), Add	*192.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,151.01	375.40
		For Cement Mortar Lining (CML), Add	*258.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*464.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,373.90	402.74
		For Cement Mortar Lining (CML), Add	*476.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*857.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*357.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,616.00	418.12
		For Cement Mortar Lining (CML), Add	*698.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,256.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*523.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	11,274.82	483.29
		For Cement Mortar Lining (CML), Add	*1,054.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,897.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*790.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,506.53	514.16
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		**Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	164.36	46.26
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	191.76	55.28
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	306.32	81.70
		For Cement Mortar Lining (CML), Add	*18.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	396.28	96.90
		For Cement Mortar Lining (CML), Add	*24.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.70*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	566.82	107.16
		For Cement Mortar Lining (CML), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	693.06	125.71
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,326.92	140.96
		For Cement Mortar Lining (CML), Add	*111.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,463.48	161.10
		For Cement Mortar Lining (CML), Add	*121.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,130.51	225.53
		For Cement Mortar Lining (CML), Add	*178.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,239.52	281.92
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,986.07	375.40
		For Cement Mortar Lining (CML), Add	*241.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,460.30	402.74
		For Cement Mortar Lining (CML), Add	*485.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*873.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*363.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,262.55	418.12
		For Cement Mortar Lining (CML), Add	*662.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,793.74	483.29
		For Cement Mortar Lining (CML), Add	*1,006.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,412.27	514.16
		For Cement Mortar Lining (CML), Add	*1,363.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,453.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,022.50*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	209.53	46.26
		For Cement Mortar Lining (CML), Add	*13.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	256.56	55.28
		For Cement Mortar Lining (CML), Add	*17.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	410.40	81.70
		For Cement Mortar Lining (CML), Add	*28.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	557.29	96.90
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	806.38	107.16
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,032.76	125.71
		For Cement Mortar Lining (CML), Add	*84.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,780.51	140.96
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,726.07	161.10
		For Cement Mortar Lining (CML), Add	*248.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*446.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,161.40	225.53
		For Cement Mortar Lining (CML), Add	*281.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,297.38	281.92
		For Cement Mortar Lining (CML), Add	*387.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,218.68	375.40
		For Cement Mortar Lining (CML), Add	*464.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*836.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,766.48	402.74
		For Cement Mortar Lining (CML), Add	*915.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,648.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*686.72*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	17,506.65	418.12
		For Cement Mortar Lining (CML), Add	*1,687.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,037.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,265.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	191.85	46.26
		For Cement Mortar Lining (CML), Add	*12.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	209.43	55.28
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	337.74	81.70
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	490.53	96.90
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	672.86	107.16
		For Cement Mortar Lining (CML), Add	*51.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	916.91	125.71
		For Cement Mortar Lining (CML), Add	*72.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,574.33	140.96
		For Cement Mortar Lining (CML), Add	*136.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,402.08	161.10
		For Cement Mortar Lining (CML), Add	*215.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*388.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,833.48	225.53
		For Cement Mortar Lining (CML), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,680.81	281.92
		For Cement Mortar Lining (CML), Add	*325.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*585.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.03*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,623.71	375.40
		For Cement Mortar Lining (CML), Add	*405.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*729.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*304.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,574.57	402.74
		For Cement Mortar Lining (CML), Add	*796.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,433.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*597.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	15,313.31	418.12
		For Cement Mortar Lining (CML), Add	*1,467.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,642.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,100.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111		**Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0002)*		
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	332.94	69.41
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	345.30	77.56
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	314.18	81.70
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	419.05	102.91
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	482.43	107.16
		For Cement Mortar Lining (CML), Add	*32.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	525.32	119.97
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	559.28	124.19
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	635.55	136.95
		For Cement Mortar Lining (CML), Add	*42.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	736.82	145.49
		For Cement Mortar Lining (CML), Add	*51.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	771.21	133.17
		For Cement Mortar Lining (CML), Add	*56.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	771.85	145.26
		For Cement Mortar Lining (CML), Add	*55.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	878.32	153.31
		For Cement Mortar Lining (CML), Add	*64.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	982.39	161.10
		For Cement Mortar Lining (CML), Add	*73.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	923.26	149.28
		For Cement Mortar Lining (CML), Add	*69.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,049.55	161.35
		For Cement Mortar Lining (CML), Add	*80.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,291.51	169.42
		For Cement Mortar Lining (CML), Add	*103.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*186.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,383.80	177.20
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,311.58	185.26
		For Cement Mortar Lining (CML), Add	*103.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,400.19	188.02
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,559.68	196.09
		For Cement Mortar Lining (CML), Add	*126.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,995.61	203.86
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,133.48	211.92
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	2,057.47	225.29
		For Cement Mortar Lining (CML), Add	*171.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*308.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,780.92	225.52
		For Cement Mortar Lining (CML), Add	*143.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*259.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,916.95	233.59
		For Cement Mortar Lining (CML), Add	*156.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,235.07	241.36
		For Cement Mortar Lining (CML), Add	*186.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,447.54	249.42
		For Cement Mortar Lining (CML), Add	*206.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,948.84	262.76
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,784.80	281.55
		For Cement Mortar Lining (CML), Add	*235.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*424.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,475.54	288.63
		For Cement Mortar Lining (CML), Add	*203.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*366.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,656.63	296.69
		For Cement Mortar Lining (CML), Add	*220.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*397.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,876.55	304.47
		For Cement Mortar Lining (CML), Add	*241.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*434.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	3,094.94	312.53
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,183.85	325.85
		For Cement Mortar Lining (CML), Add	*269.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,398.81	344.61
		For Cement Mortar Lining (CML), Add	*287.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*517.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,982.67	376.14
		For Cement Mortar Lining (CML), Add	*341.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*614.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,920.60	413.89
		For Cement Mortar Lining (CML), Add	*229.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*412.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,983.88	421.97
		For Cement Mortar Lining (CML), Add	*234.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*422.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,252.89	429.74
		For Cement Mortar Lining (CML), Add	*260.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,520.37	437.79
		For Cement Mortar Lining (CML), Add	*285.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,562.16	451.12
		For Cement Mortar Lining (CML), Add	*287.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*518.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,614.14	469.87
		For Cement Mortar Lining (CML), Add	*290.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*522.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,549.50	501.42
		For Cement Mortar Lining (CML), Add	*378.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*682.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	4,000.33	564.08
		For Cement Mortar Lining (CML), Add	*314.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*566.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,575.19	538.79
		For Cement Mortar Lining (CML), Add	*275.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.91*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,622.75	547.61
		For Cement Mortar Lining (CML), Add	*279.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*502.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,995.84	554.63
		For Cement Mortar Lining (CML), Add	*315.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*567.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*236.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	4,096.40	562.68
		For Cement Mortar Lining (CML), Add	*324.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,615.34	576.01
		For Cement Mortar Lining (CML), Add	*374.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,987.40	594.75
		For Cement Mortar Lining (CML), Add	*408.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*735.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,671.42	626.31
		For Cement Mortar Lining (CML), Add	*472.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*850.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	6,286.66	688.94
		For Cement Mortar Lining (CML), Add	*524.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*943.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*393.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,807.90	751.42
		For Cement Mortar Lining (CML), Add	*466.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*840.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*350.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	6,231.34	635.58
		For Cement Mortar Lining (CML), Add	*526.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*948.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*395.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,567.12	643.36
		For Cement Mortar Lining (CML), Add	*559.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,006.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*419.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,903.33	651.41
		For Cement Mortar Lining (CML), Add	*591.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,064.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*443.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,383.01	664.75
		For Cement Mortar Lining (CML), Add	*637.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,147.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*478.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,902.32	884.44
		For Cement Mortar Lining (CML), Add	*686.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,236.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*515.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	8,115.06	715.05
		For Cement Mortar Lining (CML), Add	*703.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,265.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*527.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,439.70	777.70
		For Cement Mortar Lining (CML), Add	*726.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,307.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*544.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,866.16	840.13
		For Cement Mortar Lining (CML), Add	*759.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,366.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*569.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	11,128.69	884.44
		For Cement Mortar Lining (CML), Add	*978.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,761.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,517.60	627.52
		For Cement Mortar Lining (CML), Add	*556.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,002.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*417.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,622.79	705.06
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,486.78	712.85
		For Cement Mortar Lining (CML), Add	*740.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,333.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*555.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,954.53	720.90
		For Cement Mortar Lining (CML), Add	*786.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,415.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	9,290.87	734.23
		For Cement Mortar Lining (CML), Add	*817.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,472.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*613.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,631.50	752.99
		For Cement Mortar Lining (CML), Add	*849.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,528.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*636.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	10,284.10	784.54
		For Cement Mortar Lining (CML), Add	*909.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,637.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,985.74	847.18
		For Cement Mortar Lining (CML), Add	*970.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	12,156.41	909.61
		For Cement Mortar Lining (CML), Add	*1,077.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,940.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*808.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	13,443.04	988.79
		For Cement Mortar Lining (CML), Add	*1,199.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,159.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*899.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	15,704.73	988.79
		For Cement Mortar Lining (CML), Add	*1,420.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,557.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,065.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	17,676.79	759.75
		For Cement Mortar Lining (CML), Add	*1,652.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	18,030.80	773.08
		For Cement Mortar Lining (CML), Add	*1,685.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,034.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,264.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	20,044.41	791.83
		For Cement Mortar Lining (CML), Add	*1,884.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,392.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,413.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	18,737.34	823.37
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	18,832.23	886.02
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	19,246.90	948.46
		For Cement Mortar Lining (CML), Add	*1,780.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,205.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,335.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	23,351.30	992.83
		For Cement Mortar Lining (CML), Add	*2,184.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,932.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,638.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	24,320.94	1,027.58
		For Cement Mortar Lining (CML), Add	*2,276.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,097.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,707.30*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	25,730.78	1,047.01
		For Cement Mortar Lining (CML), Add	*2,414.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,346.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,810.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	20,831.82	821.64
		For Cement Mortar Lining (CML), Add	*1,958.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,525.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,469.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	21,205.47	834.97
		For Cement Mortar Lining (CML), Add	*1,994.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,589.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,495.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	21,734.60	853.73
		For Cement Mortar Lining (CML), Add	*2,044.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,679.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	22,281.15	885.28
		For Cement Mortar Lining (CML), Add	*2,093.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,769.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,570.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	22,876.78	947.90
		For Cement Mortar Lining (CML), Add	*2,144.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,859.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,608.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	23,038.14	1,010.34
		For Cement Mortar Lining (CML), Add	*2,150.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,871.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,613.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	28,051.69	1,054.72
		For Cement Mortar Lining (CML), Add	*2,645.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,761.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,984.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	31,992.25	1,089.46
		For Cement Mortar Lining (CML), Add	*3,034.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,461.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,275.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	33,561.13	1,108.88
		For Cement Mortar Lining (CML), Add	*3,188.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,738.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,391.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	34,120.53	1,139.88
		For Cement Mortar Lining (CML), Add	*3,239.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,830.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,429.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204		Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*		
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	284.43	77.56
		For Cement Mortar Lining (CML), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.52*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	435.92	81.65
		For Cement Mortar Lining (CML), Add	*31.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	419.05	102.91
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	484.39	107.16
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	652.95	119.91
		For Cement Mortar Lining (CML), Add	*47.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	838.11	124.19
		For Cement Mortar Lining (CML), Add	*65.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	751.41	136.95
		For Cement Mortar Lining (CML), Add	*54.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	907.65	145.45
		For Cement Mortar Lining (CML), Add	*68.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,295.50	133.17
		For Cement Mortar Lining (CML), Add	*109.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,370.75	145.26
		For Cement Mortar Lining (CML), Add	*115.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,575.40	153.31
		For Cement Mortar Lining (CML), Add	*134.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,773.72	161.10
		For Cement Mortar Lining (CML), Add	*152.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,653.72	149.28
		For Cement Mortar Lining (CML), Add	*142.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,870.33	161.35
		For Cement Mortar Lining (CML), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,253.67	169.42
		For Cement Mortar Lining (CML), Add	*199.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,318.48	177.20
		For Cement Mortar Lining (CML), Add	*205.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,100.95	185.25
		For Cement Mortar Lining (CML), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*327.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,476.25	188.02
		For Cement Mortar Lining (CML), Add	*219.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,834.06	196.09
		For Cement Mortar Lining (CML), Add	*253.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,700.02	203.86
		For Cement Mortar Lining (CML), Add	*339.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,963.56	211.92
		For Cement Mortar Lining (CML), Add	*364.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*655.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,873.80	225.25
		For Cement Mortar Lining (CML), Add	*353.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,544.87	225.52
		For Cement Mortar Lining (CML), Add	*220.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,800.57	233.59
		For Cement Mortar Lining (CML), Add	*244.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,301.30	241.36
		For Cement Mortar Lining (CML), Add	*293.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*528.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*220.17*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,692.47	249.42
		For Cement Mortar Lining (CML), Add	*331.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*596.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,619.86	262.76
		For Cement Mortar Lining (CML), Add	*422.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,455.84	281.51
		For Cement Mortar Lining (CML), Add	*402.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,005.18	288.63
		For Cement Mortar Lining (CML), Add	*356.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*642.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,311.94	296.69
		For Cement Mortar Lining (CML), Add	*386.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*695.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,608.44	304.47
		For Cement Mortar Lining (CML), Add	*414.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*746.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*311.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,930.90	312.53
		For Cement Mortar Lining (CML), Add	*445.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,986.44	325.85
		For Cement Mortar Lining (CML), Add	*449.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*808.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,038.42	344.61
		For Cement Mortar Lining (CML), Add	*451.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*812.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,611.03	376.16
		For Cement Mortar Lining (CML), Add	*404.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*727.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,754.61	413.89
		For Cement Mortar Lining (CML), Add	*412.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*742.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*309.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,859.12	421.97
		For Cement Mortar Lining (CML), Add	*421.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.48*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,334.31	429.74
		For Cement Mortar Lining (CML), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*842.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,806.00	437.79
		For Cement Mortar Lining (CML), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,865.46	451.12
		For Cement Mortar Lining (CML), Add	*518.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*932.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*388.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,935.12	469.87
		For Cement Mortar Lining (CML), Add	*522.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,874.40	501.42
		For Cement Mortar Lining (CML), Add	*611.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,100.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*458.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,517.66	564.06
		For Cement Mortar Lining (CML), Add	*566.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,019.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*424.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,782.27	538.79
		For Cement Mortar Lining (CML), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*893.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,857.33	546.84
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,519.06	554.63
		For Cement Mortar Lining (CML), Add	*567.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,022.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,821.87	562.68
		For Cement Mortar Lining (CML), Add	*596.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,870.99	576.01
		For Cement Mortar Lining (CML), Add	*699.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,259.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,741.80	594.75
		For Cement Mortar Lining (CML), Add	*784.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,411.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*588.05*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,779.27	626.31
		For Cement Mortar Lining (CML), Add	*883.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,589.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,744.03	688.94
		For Cement Mortar Lining (CML), Add	*970.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,542.68	751.38
		For Cement Mortar Lining (CML), Add	*840.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,512.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*630.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,905.71	627.52
		For Cement Mortar Lining (CML), Add	*1,095.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,971.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*821.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	13,343.50	635.58
		For Cement Mortar Lining (CML), Add	*1,238.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,228.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*928.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	14,117.16	643.36
		For Cement Mortar Lining (CML), Add	*1,314.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,365.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,891.25	651.41
		For Cement Mortar Lining (CML), Add	*1,390.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,502.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,042.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,989.47	664.75
		For Cement Mortar Lining (CML), Add	*1,498.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,696.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,123.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	17,172.47	683.50
		For Cement Mortar Lining (CML), Add	*1,613.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,904.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,210.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,607.10	715.05
		For Cement Mortar Lining (CML), Add	*1,652.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	18,241.99	777.70
		For Cement Mortar Lining (CML), Add	*1,706.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,071.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,279.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	19,116.15	840.13
		For Cement Mortar Lining (CML), Add	*1,784.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,211.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,338.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	20,716.95	884.51
		For Cement Mortar Lining (CML), Add	*1,937.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,487.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,453.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	22,713.48	720.90
		For Cement Mortar Lining (CML), Add	*2,162.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,891.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,621.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	23,603.55	734.23
		For Cement Mortar Lining (CML), Add	*2,249.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,048.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	24,490.06	752.99
		For Cement Mortar Lining (CML), Add	*2,334.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,751.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	26,201.04	784.54
		For Cement Mortar Lining (CML), Add	*2,501.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,502.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,875.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	27,964.99	847.18
		For Cement Mortar Lining (CML), Add	*2,668.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,802.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,001.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	31,018.75	909.61
		For Cement Mortar Lining (CML), Add	*2,964.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,335.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,223.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	34,744.17	953.99
		For Cement Mortar Lining (CML), Add	*3,329.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,993.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,497.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	41,455.38	988.73
		For Cement Mortar Lining (CML), Add	*3,995.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,192.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,996.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	36,479.10	886.02
		For Cement Mortar Lining (CML), Add	*3,513.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,324.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,635.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	37,392.53	948.46
		For Cement Mortar Lining (CML), Add	*3,595.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,471.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,696.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,941.76	992.83
		For Cement Mortar Lining (CML), Add	*3,843.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,918.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,882.81*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	45,669.20	1,027.58
		For Cement Mortar Lining (CML), Add	*4,411.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,940.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,308.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	53,855.42	1,047.00
		For Cement Mortar Lining (CML), Add	*5,226.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,408.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,920.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,991.66	947.90
		For Cement Mortar Lining (CML), Add	*3,455.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,219.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,591.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	40,759.63	1,010.34
		For Cement Mortar Lining (CML), Add	*3,922.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,061.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,942.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	43,440.42	1,054.72
		For Cement Mortar Lining (CML), Add	*4,184.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,531.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,138.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	49,511.49	1,089.46
		For Cement Mortar Lining (CML), Add	*4,786.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,614.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,589.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	64,719.53	1,108.88
		For Cement Mortar Lining (CML), Add	*6,303.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,347.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,727.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	71,049.95	1,139.84
		For Cement Mortar Lining (CML), Add	*6,932.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12,478.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5,199.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	393.51	92.54
		For Cement Mortar Lining (CML), Add	*25.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	476.57	100.70
		For Cement Mortar Lining (CML), Add	*32.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	565.04	102.07
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	674.28	126.16
		For Cement Mortar Lining (CML), Add	*48.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.23*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	653.89	136.08
		For Cement Mortar Lining (CML), Add	*44.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	760.41	170.10
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	671.28	148.86
		For Cement Mortar Lining (CML), Add	*44.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	797.42	182.88
		For Cement Mortar Lining (CML), Add	*52.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	844.27	195.62
		For Cement Mortar Lining (CML), Add	*54.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	817.22	155.75
		For Cement Mortar Lining (CML), Add	*58.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	936.72	187.97
		For Cement Mortar Lining (CML), Add	*65.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,112.12	200.06
		For Cement Mortar Lining (CML), Add	*80.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,203.24	214.79
		For Cement Mortar Lining (CML), Add	*87.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	990.68	169.15
		For Cement Mortar Lining (CML), Add	*73.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,151.42	201.37
		For Cement Mortar Lining (CML), Add	*84.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*152.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,658.68	213.46
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,681.07	228.24
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,907.56	241.64
		For Cement Mortar Lining (CML), Add	*154.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,953.61	221.49
		For Cement Mortar Lining (CML), Add	*161.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*291.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,297.88	233.59
		For Cement Mortar Lining (CML), Add	*194.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*349.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,359.56	248.37
		For Cement Mortar Lining (CML), Add	*198.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,489.83	261.77
		For Cement Mortar Lining (CML), Add	*209.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,753.99	281.92
		For Cement Mortar Lining (CML), Add	*232.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*418.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,233.90	249.67
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,540.87	261.77
		For Cement Mortar Lining (CML), Add	*214.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	3,039.60	276.54
		For Cement Mortar Lining (CML), Add	*262.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,386.68	289.95
		For Cement Mortar Lining (CML), Add	*294.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	4,088.73	310.08
		For Cement Mortar Lining (CML), Add	*361.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.42*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,785.29	338.30
		For Cement Mortar Lining (CML), Add	*427.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*769.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,689.21	295.24
		For Cement Mortar Lining (CML), Add	*324.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,899.98	307.33
		For Cement Mortar Lining (CML), Add	*343.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*618.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	4,083.37	322.10
		For Cement Mortar Lining (CML), Add	*359.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*647.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,425.71	335.50
		For Cement Mortar Lining (CML), Add	*391.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*705.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	5,161.14	355.63
		For Cement Mortar Lining (CML), Add	*462.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*832.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*346.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,494.45	383.80
		For Cement Mortar Lining (CML), Add	*491.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*884.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,755.90	429.34
		For Cement Mortar Lining (CML), Add	*510.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*918.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*382.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,637.69	370.43
		For Cement Mortar Lining (CML), Add	*407.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,850.41	382.52
		For Cement Mortar Lining (CML), Add	*427.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	5,000.43	397.30
		For Cement Mortar Lining (CML), Add	*439.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*791.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*329.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,340.82	410.70
		For Cement Mortar Lining (CML), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*849.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*353.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,436.10	430.83
		For Cement Mortar Lining (CML), Add	*478.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*861.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*358.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,570.55	459.00
		For Cement Mortar Lining (CML), Add	*587.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,057.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*440.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,832.01	504.56
		For Cement Mortar Lining (CML), Add	*606.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,092.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*455.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,395.61	579.70
		For Cement Mortar Lining (CML), Add	*651.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,173.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,319.96	463.39
		For Cement Mortar Lining (CML), Add	*561.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,011.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,468.25	475.48
		For Cement Mortar Lining (CML), Add	*574.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,034.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*431.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,714.12	490.25
		For Cement Mortar Lining (CML), Add	*597.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,926.86	503.65
		For Cement Mortar Lining (CML), Add	*616.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,109.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*462.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	7,053.56	523.78
		For Cement Mortar Lining (CML), Add	*626.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	7,322.07	551.96
		For Cement Mortar Lining (CML), Add	*648.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,167.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*486.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,670.84	597.50
		For Cement Mortar Lining (CML), Add	*876.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	10,201.06	672.72
		For Cement Mortar Lining (CML), Add	*918.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,652.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*688.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	11,241.23	765.70
		For Cement Mortar Lining (CML), Add	*1,008.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,814.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	12,069.12	616.13
		For Cement Mortar Lining (CML), Add	*1,113.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,004.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*835.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	12,309.46	630.92
		For Cement Mortar Lining (CML), Add	*1,135.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,043.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*851.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	12,545.78	644.31
		For Cement Mortar Lining (CML), Add	*1,156.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,082.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*867.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,825.64	664.45
		For Cement Mortar Lining (CML), Add	*1,181.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	13,147.16	692.62
		For Cement Mortar Lining (CML), Add	*1,209.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,177.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*907.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	13,526.44	738.17
		For Cement Mortar Lining (CML), Add	*1,240.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,233.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*930.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	14,011.50	813.38
		For Cement Mortar Lining (CML), Add	*1,277.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,300.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*958.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	18,002.95	906.33
		For Cement Mortar Lining (CML), Add	*1,662.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,993.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,247.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	20,702.00	1,047.01
		For Cement Mortar Lining (CML), Add	*1,911.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,440.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,433.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,832.84	667.98
		For Cement Mortar Lining (CML), Add	*1,582.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,847.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,186.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	17,071.21	682.76
		For Cement Mortar Lining (CML), Add	*1,603.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,886.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,202.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	17,276.10	696.16
		For Cement Mortar Lining (CML), Add	*1,622.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,919.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	17,522.60	716.29
		For Cement Mortar Lining (CML), Add	*1,643.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,958.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,232.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,812.69	744.47
		For Cement Mortar Lining (CML), Add	*1,668.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,003.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,251.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	18,158.59	790.02
		For Cement Mortar Lining (CML), Add	*1,696.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,053.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,272.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	18,612.23	865.23
		For Cement Mortar Lining (CML), Add	*1,730.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,114.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,297.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	19,401.06	958.19
		For Cement Mortar Lining (CML), Add	*1,794.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,230.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,346.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	26,121.55	1,098.84
		For Cement Mortar Lining (CML), Add	*2,445.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,402.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,834.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	28,697.81	1,150.74
		For Cement Mortar Lining (CML), Add	*2,695.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,851.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,021.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	22,583.98	726.14
		For Cement Mortar Lining (CML), Add	*2,148.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,867.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,611.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	25,531.89	746.28
		For Cement Mortar Lining (CML), Add	*2,440.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,392.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,830.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	23,098.96	774.44
		For Cement Mortar Lining (CML), Add	*2,192.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,946.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,644.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	23,405.58	820.01
		For Cement Mortar Lining (CML), Add	*2,216.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,989.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,662.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,843.52	895.21
		For Cement Mortar Lining (CML), Add	*2,248.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,047.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	24,575.40	988.16
		For Cement Mortar Lining (CML), Add	*2,307.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,154.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,730.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	31,456.92	1,128.83
		For Cement Mortar Lining (CML), Add	*2,974.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,354.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,230.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	41,068.74	1,180.67
		For Cement Mortar Lining (CML), Add	*3,927.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,070.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,945.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	44,004.58	1,210.67
		For Cement Mortar Lining (CML), Add	*4,217.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,590.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,162.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	30,526.43	845.18
		For Cement Mortar Lining (CML), Add	*2,924.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,264.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,193.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	30,733.65	865.30
		For Cement Mortar Lining (CML), Add	*2,942.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,296.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,206.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	31,011.97	893.47
		For Cement Mortar Lining (CML), Add	*2,965.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,338.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,224.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	31,316.63	939.04
		For Cement Mortar Lining (CML), Add	*2,989.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,380.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,242.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	31,727.08	1,014.24
		For Cement Mortar Lining (CML), Add	*3,019.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,434.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,264.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	32,427.55	1,107.19
		For Cement Mortar Lining (CML), Add	*3,075.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,535.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,306.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	34,323.46	1,247.85
		For Cement Mortar Lining (CML), Add	*3,243.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,837.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,432.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	42,044.36	1,299.70
		For Cement Mortar Lining (CML), Add	*4,007.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,213.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,005.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	54,042.22	1,329.68
		For Cement Mortar Lining (CML), Add	*5,202.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,364.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,902.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	57,556.76	1,448.65
		For Cement Mortar Lining (CML), Add	*5,536.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,965.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,152.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378		**Mechanical Joint x Mechanical Joint Ductile Iron Reducers** *(33 14 13 13-0002)*		
33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	190.18	50.34
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	221.29	63.11
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	239.26	67.19
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	303.33	75.71
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	334.31	88.46
		For Cement Mortar Lining (CML), Add	*20.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	365.87	79.48
		For Cement Mortar Lining (CML), Add	*24.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	397.92	91.55
		For Cement Mortar Lining (CML), Add	*25.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	435.65	99.62
		For Cement Mortar Lining (CML), Add	*28.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	442.87	87.53
		For Cement Mortar Lining (CML), Add	*31.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.27*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	492.59	99.62
		For Cement Mortar Lining (CML), Add	*34.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	514.61	107.67
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	563.72	115.46
		For Cement Mortar Lining (CML), Add	*38.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	929.07	112.93
		For Cement Mortar Lining (CML), Add	*75.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*136.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	902.02	121.01
		For Cement Mortar Lining (CML), Add	*71.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	807.76	128.78
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	849.43	136.84
		For Cement Mortar Lining (CML), Add	*64.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,091.00	131.68
		For Cement Mortar Lining (CML), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*160.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,069.84	139.75
		For Cement Mortar Lining (CML), Add	*85.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,050.21	147.54
		For Cement Mortar Lining (CML), Add	*82.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,139.00	155.59
		For Cement Mortar Lining (CML), Add	*90.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,267.19	168.92
		For Cement Mortar Lining (CML), Add	*101.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,361.13	171.30
		For Cement Mortar Lining (CML), Add	*110.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,526.08	179.08
		For Cement Mortar Lining (CML), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,471.52	187.15
		For Cement Mortar Lining (CML), Add	*118.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,560.44	200.46
		For Cement Mortar Lining (CML), Add	*125.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,643.83	219.23
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,921.40	233.94
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,842.87	241.72
		For Cement Mortar Lining (CML), Add	*147.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,699.95	249.77
		For Cement Mortar Lining (CML), Add	*132.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,710.32	263.10
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,766.23	281.86
		For Cement Mortar Lining (CML), Add	*133.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,118.39	313.41
		For Cement Mortar Lining (CML), Add	*164.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*295.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,497.52	312.21
		For Cement Mortar Lining (CML), Add	*202.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,568.78	325.55
		For Cement Mortar Lining (CML), Add	*207.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*373.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,624.68	344.30
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,580.20	375.85
		For Cement Mortar Lining (CML), Add	*201.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,154.20	438.48
		For Cement Mortar Lining (CML), Add	*248.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,154.27	388.67
		For Cement Mortar Lining (CML), Add	*456.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,382.71	420.22
		For Cement Mortar Lining (CML), Add	*474.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*854.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,214.50	482.85
		For Cement Mortar Lining (CML), Add	*448.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*806.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,095.07	545.30
		For Cement Mortar Lining (CML), Add	*426.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,729.49	517.59
		For Cement Mortar Lining (CML), Add	*694.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,250.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*520.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,392.63	580.03
		For Cement Mortar Lining (CML), Add	*551.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*992.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*413.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,942.91	624.41
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,049.10	442.83
		For Cement Mortar Lining (CML), Add	*937.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,688.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*703.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,010.52	474.38
		For Cement Mortar Lining (CML), Add	*929.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,672.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,074.00	537.01
		For Cement Mortar Lining (CML), Add	*926.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,242.70	599.46
		For Cement Mortar Lining (CML), Add	*1,033.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,860.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*775.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,271.72	643.82
		For Cement Mortar Lining (CML), Add	*829.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,493.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*622.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,705.29	678.57
		For Cement Mortar Lining (CML), Add	*867.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,561.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*650.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,540.16	473.78
		For Cement Mortar Lining (CML), Add	*1,282.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,308.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*961.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,128.47	505.33
		For Cement Mortar Lining (CML), Add	*1,236.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,225.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*927.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,516.48	567.97
		For Cement Mortar Lining (CML), Add	*1,165.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,098.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*874.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,907.59	630.40
		For Cement Mortar Lining (CML), Add	*1,195.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,151.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,423.43	674.77
		For Cement Mortar Lining (CML), Add	*1,440.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,592.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,080.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,510.50	709.52
		For Cement Mortar Lining (CML), Add	*1,243.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,238.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*932.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,831.98	728.93
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	212.14	106.32
		For Cement Mortar Lining (CML), Add	*5.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	242.02	124.74
		For Cement Mortar Lining (CML), Add	*5.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	330.50	155.93
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	427.09	178.22
		For Cement Mortar Lining (CML), Add	*15.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	605.12	268.50
		For Cement Mortar Lining (CML), Add	*19.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	740.29	292.90
		For Cement Mortar Lining (CML), Add	*29.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	937.83	322.20
		For Cement Mortar Lining (CML), Add	*44.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	1,145.24	357.95
		For Cement Mortar Lining (CML), Add	*60.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	1,346.56	402.74
		For Cement Mortar Lining (CML), Add	*73.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	1,649.74	460.22
		For Cement Mortar Lining (CML), Add	*95.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	2,121.38	536.99
		For Cement Mortar Lining (CML), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	3,966.90	644.39
		For Cement Mortar Lining (CML), Add	*299.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*538.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	6,659.59	805.49
		For Cement Mortar Lining (CML), Add	*543.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*979.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	9,713.60	966.58
		For Cement Mortar Lining (CML), Add	*824.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,484.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*618.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	11,566.98	1,073.98
		For Cement Mortar Lining (CML), Add	*993.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,789.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*745.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452		**Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)*		
33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	220.00	106.32
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	253.80	124.74
		For Cement Mortar Lining (CML), Add	*6.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	361.92	155.93
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	458.51	178.22
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	732.76	268.50
		For Cement Mortar Lining (CML), Add	*32.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	775.64	292.90
		For Cement Mortar Lining (CML), Add	*33.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	1,163.65	322.20
		For Cement Mortar Lining (CML), Add	*67.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	628.81	357.95
		For Cement Mortar Lining (CML), Add	*8.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	1,682.34	402.74
		For Cement Mortar Lining (CML), Add	*107.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*192.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.41*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	2,107.25	460.22
		For Cement Mortar Lining (CML), Add	*140.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	2,769.37	536.99
		For Cement Mortar Lining (CML), Add	*195.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	4,858.38	644.39
		For Cement Mortar Lining (CML), Add	*388.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	7,217.25	805.49
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	9,784.29	966.58
		For Cement Mortar Lining (CML), Add	*831.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,497.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	12,717.65	1,073.98
		For Cement Mortar Lining (CML), Add	*1,109.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,996.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*831.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468		**Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0002)*		
33 14 13 13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	372.48	161.60
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	420.96	187.12
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	544.85	233.90
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	693.66	267.27
		For Cement Mortar Lining (CML), Add	*28.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,112.89	402.74
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,309.74	439.35
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,755.29	483.29
		For Cement Mortar Lining (CML), Add	*102.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,981.96	536.99
		For Cement Mortar Lining (CML), Add	*116.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,702.20	604.11
		For Cement Mortar Lining (CML), Add	*178.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,174.62	690.40
		For Cement Mortar Lining (CML), Add	*212.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*383.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,841.83	805.49
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,289.09	966.58
		For Cement Mortar Lining (CML), Add	*482.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*868.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,744.49	1,208.23
		For Cement Mortar Lining (CML), Add	*691.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,244.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*518.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,731.47	1,380.79
		For Cement Mortar Lining (CML), Add	*963.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,735.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*722.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,513.07	1,610.97
		For Cement Mortar Lining (CML), Add	*1,207.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*905.42*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0485	EA	3" Mechanical Joint Ductile Iron Long Sleeves	352.85	161.60
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	4" Mechanical Joint Ductile Iron Long Sleeves	411.14	187.12
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	6" Mechanical Joint Ductile Iron Long Sleeves	568.41	233.90
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0488	EA	8" Mechanical Joint Ductile Iron Long Sleeves	756.49	267.27
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves	1,028.46	402.74
		For Cement Mortar Lining (CML), Add	*41.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,231.20	439.35
		For Cement Mortar Lining (CML), Add	*56.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,586.42	483.29
		For Cement Mortar Lining (CML), Add	*85.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,895.56	536.99
		For Cement Mortar Lining (CML), Add	*108.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,299.66	604.11
		For Cement Mortar Lining (CML), Add	*138.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,717.10	690.40
		For Cement Mortar Lining (CML), Add	*167.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*300.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,421.62	805.49
		For Cement Mortar Lining (CML), Add	*220.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves	6,075.05	966.58
		For Cement Mortar Lining (CML), Add	*461.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*829.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves	8,304.64	1,208.23
		For Cement Mortar Lining (CML), Add	*647.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,165.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*485.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,749.25	1,379.21
		For Cement Mortar Lining (CML), Add	*865.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,558.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*649.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves	14,605.36	1,610.97
		For Cement Mortar Lining (CML), Add	*1,216.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,189.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*912.34*	
		Note: ANSI/AWWA C151/A21.51		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0500		**Mechanical Joint Ductile Iron Gland Packs** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501		**Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27	
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	37.66	
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	45.51	
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	53.35	
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	73.75	
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	78.46	
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	128.67	
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	136.52	
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	182.03	
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	235.38	
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	327.96	
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	783.03	
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,688.46	
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,465.21	
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,025.42	
33 14 13 13-0517	EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	4,064.23	
33 14 13 13-0518		**Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0519	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	66.76	
33 14 13 13-0520	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	53.35	
33 14 13 13-0521	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	67.48	
33 14 13 13-0522	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	73.75	
33 14 13 13-0523	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	102.00	
33 14 13 13-0524	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	106.71	
33 14 13 13-0525	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	161.63	
33 14 13 13-0526	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	177.32	
33 14 13 13-0527	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	235.38	
33 14 13 13-0528	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	304.42	
33 14 13 13-0529	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	425.25	
33 14 13 13-0530		**Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** *(33 14 13 13-0500)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0531	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	43.20	
33 14 13 13-0532	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	40.80	
33 14 13 13-0533	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.65	
33 14 13 13-0534	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	58.06	
33 14 13 13-0535	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	80.03	
33 14 13 13-0536	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	84.74	
33 14 13 13-0537	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	139.66	
33 14 13 13-0538	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	147.50	
33 14 13 13-0539	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	199.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0540	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	255.78	
33 14 13 13-0541	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	357.78	
33 14 13 13-0542	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	856.78	
33 14 13 13-0543	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,898.73	
33 14 13 13-0544	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,749.24	
33 14 13 13-0545	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,383.20	
33 14 13 13-0546	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	4,152.10	

33 14 13 13-0547 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0548	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	219.21	81.06
33 14 13 13-0549	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	250.18	96.00
33 14 13 13-0550	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	310.33	118.81
33 14 13 13-0551	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	386.91	138.66
33 14 13 13-0552	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	557.87	201.37
33 14 13 13-0553	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	687.53	230.18
33 14 13 13-0554	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	800.33	247.75
33 14 13 13-0555	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	985.78	268.50
33 14 13 13-0556	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,264.63	322.20
33 14 13 13-0557	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,492.35	357.83
33 14 13 13-0558	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,937.33	412.87
33 14 13 13-0559	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,756.97	495.12
33 14 13 13-0560	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,639.58	619.61
33 14 13 13-0561	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,844.65	714.93
33 14 13 13-0562	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,765.38	919.47

33 14 13 13-0563 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*

33 14 13 13-0564	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,642.51	66.34
33 14 13 13-0565	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,834.19	82.93
33 14 13 13-0566	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,014.73	122.55
33 14 13 13-0567	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,532.71	145.36
33 14 13 13-0568	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,015.19	160.73
33 14 13 13-0569	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,025.61	188.56
33 14 13 13-0570	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,741.53	211.44
33 14 13 13-0571	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,355.14	241.64
33 14 13 13-0572	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,331.11	338.30
33 14 13 13-0573	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,423.45	422.88
33 14 13 13-0574	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,083.27	563.84

33 14 13 13-0575 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)*

Note: Includes machined bolts and gasket.

33 14 13 13-0576	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	217.65	81.06
33 14 13 13-0577	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	279.03	96.00
33 14 13 13-0578	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	360.38	118.81
33 14 13 13-0579	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	411.45	138.66
33 14 13 13-0580	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	721.31	212.63
33 14 13 13-0581	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	816.43	243.05

33 14 13 13-0582 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)*

Note: Includes nuts, bolts and gasket.

33 14 13 13-0583	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	315.70	81.06
33 14 13 13-0584	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	392.48	96.00
33 14 13 13-0585	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	542.77	118.81
33 14 13 13-0586	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	783.36	138.66
33 14 13 13-0587	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,135.39	212.63
33 14 13 13-0588	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,410.76	243.05
33 14 13 13-0589	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,168.95	261.60
33 14 13 13-0590	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,036.18	283.51
33 14 13 13-0591	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,434.96	340.20
33 14 13 13-0592	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,794.45	377.84
33 14 13 13-0593	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,589.47	435.96
33 14 13 13-0594	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,903.02	522.81
33 14 13 13-0595	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,811.54	654.26
33 14 13 13-0596	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,943.78	754.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0597	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,387.87	970.88
33 14 13 13-0598		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)* Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0599	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,317.63	124.74
33 14 13 13-0600	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,092.39	155.93
33 14 13 13-0601	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,773.66	178.22
33 14 13 13-0602	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,831.66	268.50
33 14 13 13-0603	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,008.89	292.90
33 14 13 13-0604	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,800.79	322.20
33 14 13 13-0605	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,447.79	357.95
33 14 13 13-0606	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,221.38	402.74
33 14 13 13-0607	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,423.31	460.22
33 14 13 13-0608	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	16,457.74	536.99
33 14 13 13-0609	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	57,574.88	644.39
33 14 13 13-0610	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	81,742.31	805.49
33 14 13 13-0611		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0612		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0613	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	488.36	46.26
33 14 13 13-0614	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	584.48	55.42
33 14 13 13-0615	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	907.19	81.19
33 14 13 13-0616	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,240.63	96.65
33 14 13 13-0617	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,701.78	107.40
33 14 13 13-0618	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,157.91	125.71
33 14 13 13-0619	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,068.63	141.57
33 14 13 13-0620	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,723.58	161.10
33 14 13 13-0621	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,498.61	225.78
33 14 13 13-0622	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,607.10	281.92
33 14 13 13-0623	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,928.45	375.89
33 14 13 13-0624	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,700.10	402.74
33 14 13 13-0625	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,710.34	418.61
33 14 13 13-0626	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	30,832.27	483.29
33 14 13 13-0627	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	40,335.72	513.80
33 14 13 13-0628		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0629	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	466.76	46.26
33 14 13 13-0630	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	547.17	55.42
33 14 13 13-0631	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	842.39	81.19
33 14 13 13-0632	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,140.48	96.65
33 14 13 13-0633	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,489.71	107.40
33 14 13 13-0634	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,967.44	125.71
33 14 13 13-0635	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,660.21	141.57
33 14 13 13-0636	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,185.55	161.10
33 14 13 13-0637	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,766.19	225.78
33 14 13 13-0638	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,572.28	281.92
33 14 13 13-0639	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,025.72	375.89
33 14 13 13-0640	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,095.83	402.74
33 14 13 13-0641	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,346.69	418.61
33 14 13 13-0642	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,809.00	483.29
33 14 13 13-0643	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	29,202.11	513.80
33 14 13 13-0644		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0645	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	362.69	46.26
33 14 13 13-0646	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	541.28	55.42
33 14 13 13-0647	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	818.82	81.19
33 14 13 13-0648	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,132.63	96.65
33 14 13 13-0649	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,487.75	107.40
33 14 13 13-0650	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,853.55	125.71
33 14 13 13-0651	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,675.91	141.57
33 14 13 13-0652	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,114.86	161.10
33 14 13 13-0653	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,748.52	225.78
33 14 13 13-0654	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,735.26	281.92
33 14 13 13-0655	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,896.13	375.89
33 14 13 13-0656	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,872.51	402.74
33 14 13 13-0657	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,481.27	418.61
33 14 13 13-0658	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,296.12	483.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0659	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	24,711.36	513.80
33 14 13 13-0660		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0661	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	362.69	46.26
33 14 13 13-0662	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	649.28	55.42
33 14 13 13-0663	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	826.68	81.19
33 14 13 13-0664	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,097.28	96.65
33 14 13 13-0665	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,483.82	107.40
33 14 13 13-0666	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,800.53	125.71
33 14 13 13-0667	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,882.09	141.57
33 14 13 13-0668	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,211.08	161.10
33 14 13 13-0669	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,306.18	225.78
33 14 13 13-0670	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,566.39	281.92
33 14 13 13-0671	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,898.09	375.89
33 14 13 13-0672	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,002.11	402.74
33 14 13 13-0673	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,110.15	418.61
33 14 13 13-0674	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,765.95	483.29
33 14 13 13-0675	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	24,569.98	513.80
33 14 13 13-0676		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0677	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	427.49	46.26
33 14 13 13-0678	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	629.64	55.42
33 14 13 13-0679	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	981.80	81.19
33 14 13 13-0680	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,334.88	96.65
33 14 13 13-0681	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,839.23	107.40
33 14 13 13-0682	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,309.10	125.71
33 14 13 13-0683	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,154.51	141.57
33 14 13 13-0684	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,486.36	161.10
33 14 13 13-0685	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,410.63	225.78
33 14 13 13-0686	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,540.72	281.92
33 14 13 13-0687	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,232.28	375.89
33 14 13 13-0688		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0611)*		
33 14 13 13-0689	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	427.49	46.26
33 14 13 13-0690	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	555.02	55.42
33 14 13 13-0691	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	873.81	81.19
33 14 13 13-0692	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,236.70	96.65
33 14 13 13-0693	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,640.91	107.40
33 14 13 13-0694	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,136.31	125.71
33 14 13 13-0695	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,848.71	141.57
33 14 13 13-0696	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,423.15	161.10
33 14 13 13-0697	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,409.19	225.78
33 14 13 13-0698	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,722.42	281.92
33 14 13 13-0699	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,997.71	375.89
33 14 13 13-0700		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0611)*		
33 14 13 13-0701	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	601.95	69.41
33 14 13 13-0702	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	656.59	78.25
33 14 13 13-0703	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	693.15	81.19
33 14 13 13-0704	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	988.50	102.91
33 14 13 13-0705	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,071.51	106.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0706	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,130.11	119.85
33 14 13 13-0707	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,315.27	123.71
33 14 13 13-0708	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,422.96	136.60
33 14 13 13-0709	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,565.46	145.62
33 14 13 13-0710	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,766.76	133.03
33 14 13 13-0711	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,763.47	145.24
33 14 13 13-0712	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,911.18	153.78
33 14 13 13-0713	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,062.37	161.10
33 14 13 13-0714	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,126.94	148.89
33 14 13 13-0715	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,145.23	161.10
33 14 13 13-0716	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,320.43	169.64
33 14 13 13-0717	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,675.85	176.96
33 14 13 13-0718	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,682.17	185.50
33 14 13 13-0719	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,039.80	187.95
33 14 13 13-0720	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,289.62	196.49
33 14 13 13-0721	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,994.56	203.81
33 14 13 13-0722	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,216.86	212.35
33 14 13 13-0723	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,905.21	225.78
33 14 13 13-0724	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,636.52	225.78
33 14 13 13-0725	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,833.42	233.10
33 14 13 13-0726	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,601.21	241.64
33 14 13 13-0727	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,314.93	248.97
33 14 13 13-0728	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,633.08	262.39
33 14 13 13-0729	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,094.00	281.92
33 14 13 13-0730	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,774.91	289.24
33 14 13 13-0731	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,036.51	296.57
33 14 13 13-0732	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,368.36	303.89
33 14 13 13-0733	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,675.11	312.43
33 14 13 13-0734	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,830.78	325.85
33 14 13 13-0735	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,230.33	344.16
33 14 13 13-0736	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,955.56	375.89
33 14 13 13-0737	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,485.07	413.72
33 14 13 13-0738	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,577.79	422.27
33 14 13 13-0739	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,131.53	429.59
33 14 13 13-0740	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,434.35	438.14
33 14 13 13-0741	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,497.74	451.56
33 14 13 13-0742	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,414.23	469.86
33 14 13 13-0743	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,205.72	501.60
33 14 13 13-0744	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,988.93	563.84
33 14 13 13-0745	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,656.08	538.21
33 14 13 13-0746	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,719.35	547.97
33 14 13 13-0747	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,841.09	554.07
33 14 13 13-0748	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,022.16	562.61
33 14 13 13-0749	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,990.77	576.04
33 14 13 13-0750	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,335.34	594.35
33 14 13 13-0751	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,264.28	626.08
33 14 13 13-0752	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,594.80	689.54
33 14 13 13-0753	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,933.42	751.78
33 14 13 13-0754	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,668.12	627.30
33 14 13 13-0755	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,106.96	635.85
33 14 13 13-0756	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,741.21	643.17
33 14 13 13-0757	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,377.84	651.71
33 14 13 13-0758	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,281.66	665.13
33 14 13 13-0759	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,256.53	884.81
33 14 13 13-0760	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,190.44	715.17
33 14 13 13-0761	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,169.49	777.41
33 14 13 13-0762	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,760.89	839.66
33 14 13 13-0763	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,628.21	884.81
33 14 13 13-0764	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,038.92	705.41
33 14 13 13-0765	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,476.29	712.73
33 14 13 13-0766	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,252.33	721.27
33 14 13 13-0767	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,800.74	734.70
33 14 13 13-0768	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,351.46	753.00
33 14 13 13-0769	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,412.49	784.74
33 14 13 13-0770	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,522.56	846.98
33 14 13 13-0771	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,417.80	909.22
33 14 13 13-0772	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,935.61	988.55
33 14 13 13-0773	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	25,283.17	988.55
33 14 13 13-0774	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,818.25	760.32
33 14 13 13-0775	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,398.08	772.53
33 14 13 13-0776	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,336.55	792.06
33 14 13 13-0777	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,865.29	823.79
33 14 13 13-0778	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,960.18	886.03
33 14 13 13-0779	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,555.27	948.27
33 14 13 13-0780	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,099.67	993.43
33 14 13 13-0781	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,547.23	1,027.60
33 14 13 13-0782	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,634.50	1,047.13
33 14 13 13-0783	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,612.89	821.35
33 14 13 13-0784	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,216.28	834.77
33 14 13 13-0785	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,073.33	854.30
33 14 13 13-0786	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,943.88	884.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0787	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,867.43	948.27
33 14 13 13-0788	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,071.99	1,010.52
33 14 13 13-0789	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,807.76	1,054.45
33 14 13 13-0790	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,992.25	1,089.84
33 14 13 13-0791	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,143.12	1,109.37
33 14 13 13-0792	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	53,513.04	1,139.88

33 14 13 13-0793 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0611)*

33 14 13 13-0794	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	675.18	77.56
33 14 13 13-0795	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	743.91	77.56
33 14 13 13-0796	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	873.81	81.19
33 14 13 13-0797	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	962.97	102.91
33 14 13 13-0798	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,075.43	106.96
33 14 13 13-0799	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,316.65	119.85
33 14 13 13-0800	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,733.51	123.71
33 14 13 13-0801	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,595.76	136.60
33 14 13 13-0802	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,795.20	145.62
33 14 13 13-0803	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,550.24	133.03
33 14 13 13-0804	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,654.94	145.24
33 14 13 13-0805	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,971.52	153.78
33 14 13 13-0806	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,244.46	161.10
33 14 13 13-0807	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,114.64	148.89
33 14 13 13-0808	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,533.50	161.10
33 14 13 13-0809	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,185.85	169.64
33 14 13 13-0810	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,187.83	176.96
33 14 13 13-0811	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,860.33	185.50
33 14 13 13-0812	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,594.97	187.95
33 14 13 13-0813	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,286.60	196.49
33 14 13 13-0814	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,977.27	203.81
33 14 13 13-0815	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,484.29	212.35
33 14 13 13-0816	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,288.50	225.78
33 14 13 13-0817	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,777.48	225.78
33 14 13 13-0818	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,280.59	233.10
33 14 13 13-0819	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,276.16	241.64
33 14 13 13-0820	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,474.89	248.97
33 14 13 13-0821	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,030.63	262.39
33 14 13 13-0822	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,587.78	281.92
33 14 13 13-0823	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,777.78	289.24
33 14 13 13-0824	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,314.29	296.57
33 14 13 13-0825	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,832.67	303.89
33 14 13 13-0826	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,394.69	312.43
33 14 13 13-0827	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,477.72	325.85
33 14 13 13-0828	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,570.94	344.16
33 14 13 13-0829	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,752.79	375.89
33 14 13 13-0830	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,963.13	413.72
33 14 13 13-0831	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,138.33	422.27
33 14 13 13-0832	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,974.82	429.59
33 14 13 13-0833	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,803.89	438.14
33 14 13 13-0834	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,892.80	451.56
33 14 13 13-0835	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,995.84	469.86
33 14 13 13-0836	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,626.31	501.60
33 14 13 13-0837	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,920.05	563.84
33 14 13 13-0838	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,642.71	538.21
33 14 13 13-0839	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,766.86	546.75
33 14 13 13-0840	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,933.23	554.07
33 14 13 13-0841	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,461.86	562.61
33 14 13 13-0842	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,310.16	576.04
33 14 13 13-0843	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,836.82	594.35
33 14 13 13-0844	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,642.05	626.08
33 14 13 13-0845	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,284.26	689.54
33 14 13 13-0846	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,075.58	751.78
33 14 13 13-0847	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,421.85	627.30
33 14 13 13-0848	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,967.10	635.85
33 14 13 13-0849	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,331.81	643.17
33 14 13 13-0850	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,698.91	651.71
33 14 13 13-0851	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,635.58	665.13
33 14 13 13-0852	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,715.95	683.44
33 14 13 13-0853	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,451.01	715.17
33 14 13 13-0854	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,506.11	777.41
33 14 13 13-0855	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,985.06	839.66
33 14 13 13-0856	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,777.77	884.81
33 14 13 13-0857	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,519.93	721.27
33 14 13 13-0858	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,085.49	734.70
33 14 13 13-0859	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,639.61	753.00
33 14 13 13-0860	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	45,642.64	784.74
33 14 13 13-0861	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,704.53	846.98
33 14 13 13-0862	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	54,057.67	909.22
33 14 13 13-0863	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,626.38	954.38
33 14 13 13-0864	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,513.64	988.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0865	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,790.81	886.03
33 14 13 13-0866	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,340.45	948.27
33 14 13 13-0867	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,817.93	993.43
33 14 13 13-0868	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	79,957.59	1,027.60
33 14 13 13-0869	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	94,484.27	1,047.13
33 14 13 13-0870	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,851.75	948.27
33 14 13 13-0871	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	71,252.38	1,010.52
33 14 13 13-0872	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,963.53	1,054.45
33 14 13 13-0873	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	86,713.85	1,089.84
33 14 13 13-0874	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,719.21	1,109.37
33 14 13 13-0875	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	124,933.10	1,139.88

33 14 13 13-0876 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0611)*

33 14 13 13-0877	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,202.76	119.85
33 14 13 13-0878	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,497.58	136.60
33 14 13 13-0879	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,156.19	145.24
33 14 13 13-0880	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,482.97	161.10
33 14 13 13-0881	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,289.18	187.95
33 14 13 13-0882	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,007.75	225.78
33 14 13 13-0883	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,725.82	289.24
33 14 13 13-0884	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,347.09	413.72
33 14 13 13-0885	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,400.49	538.21
33 14 13 13-0886	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,511.94	627.30

33 14 13 13-0887 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0611)*

33 14 13 13-0888	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	668.42	92.54
33 14 13 13-0889	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	837.88	100.70
33 14 13 13-0890	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,052.02	101.81
33 14 13 13-0891	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,112.16	126.21
33 14 13 13-0892	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,303.84	136.60
33 14 13 13-0893	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,435.89	170.10
33 14 13 13-0894	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,384.06	149.48
33 14 13 13-0895	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,629.99	182.99
33 14 13 13-0896	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,610.08	195.87
33 14 13 13-0897	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,630.15	156.21
33 14 13 13-0898	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,824.26	187.95
33 14 13 13-0899	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,172.47	200.15
33 14 13 13-0900	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,353.91	214.79
33 14 13 13-0901	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,102.07	169.64
33 14 13 13-0902	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,431.69	201.37
33 14 13 13-0903	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,640.48	213.57
33 14 13 13-0904	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,085.04	228.22
33 14 13 13-0905	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,527.53	241.64
33 14 13 13-0906	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,654.08	220.90
33 14 13 13-0907	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,340.03	233.10
33 14 13 13-0908	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,442.94	248.97
33 14 13 13-0909	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,689.06	261.17
33 14 13 13-0910	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,198.67	281.92
33 14 13 13-0911	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,089.50	250.18
33 14 13 13-0912	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,685.12	261.17
33 14 13 13-0913	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,659.85	277.04
33 14 13 13-0914	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,334.05	290.46
33 14 13 13-0915	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,705.69	309.99
33 14 13 13-0916	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,038.98	338.06
33 14 13 13-0917	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,096.06	295.35
33 14 13 13-0918	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,509.07	307.54
33 14 13 13-0919	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,861.34	322.20
33 14 13 13-0920	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,543.38	335.61
33 14 13 13-0921	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,019.09	355.14
33 14 13 13-0922	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,656.75	383.21
33 14 13 13-0923	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,120.46	429.59
33 14 13 13-0924	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,922.27	371.01
33 14 13 13-0925	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,339.20	381.99
33 14 13 13-0926	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,622.75	397.86
33 14 13 13-0927	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,298.91	411.28
33 14 13 13-0928	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,462.92	430.81
33 14 13 13-0929	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,744.11	458.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0930	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,207.82	504.03
33 14 13 13-0931	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,244.65	579.70
33 14 13 13-0932	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,224.50	463.77
33 14 13 13-0933	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,508.28	475.96
33 14 13 13-0934	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,989.78	490.61
33 14 13 13-0935	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,404.78	504.03
33 14 13 13-0936	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,631.62	523.56
33 14 13 13-0937	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,137.73	551.63
33 14 13 13-0938	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,882.09	598.01
33 14 13 13-0939	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,850.19	672.46
33 14 13 13-0940	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,836.82	765.21
33 14 13 13-0941	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,994.73	616.32
33 14 13 13-0942	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,370.56	630.96
33 14 13 13-0943	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,740.41	644.39
33 14 13 13-0944	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,175.39	663.92
33 14 13 13-0945	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,671.67	693.20
33 14 13 13-0946	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,243.39	738.36
33 14 13 13-0947	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,958.19	812.81
33 14 13 13-0948	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,345.23	906.78
33 14 13 13-0949	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,589.63	1,047.13
33 14 13 13-0950	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,672.43	667.57
33 14 13 13-0951	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,044.34	682.22
33 14 13 13-0952	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,365.08	695.64
33 14 13 13-0953	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,745.10	716.39
33 14 13 13-0954	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,188.35	744.46
33 14 13 13-0955	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,707.05	789.62
33 14 13 13-0956	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,372.76	865.28
33 14 13 13-0957	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,564.12	958.03
33 14 13 13-0958	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,331.59	1,098.38
33 14 13 13-0959	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,461.06	1,150.87
33 14 13 13-0960	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,944.31	726.16
33 14 13 13-0961	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,691.52	745.68
33 14 13 13-0962	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,121.03	774.97
33 14 13 13-0963	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,714.34	820.13
33 14 13 13-0964	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,786.51	895.80
33 14 13 13-0965	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,073.57	988.55
33 14 13 13-0966	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,955.99	1,128.89
33 14 13 13-0967	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	65,497.89	1,180.16
33 14 13 13-0968	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	70,230.43	1,210.67
33 14 13 13-0969	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,715.26	845.75
33 14 13 13-0970	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,032.44	865.28
33 14 13 13-0971	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,456.07	893.35
33 14 13 13-0972	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,907.99	938.51
33 14 13 13-0973	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,503.02	1,014.17
33 14 13 13-0974	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,551.05	1,106.93
33 14 13 13-0975	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	54,493.56	1,247.28
33 14 13 13-0976	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,968.34	1,299.76
33 14 13 13-0977	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	86,398.42	1,330.27
33 14 13 13-0978	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	91,986.52	1,448.65

33 14 13 13-0979 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0611)*

33 14 13 13-0980	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	478.83	50.34
33 14 13 13-0981	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	670.95	63.11
33 14 13 13-0982	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	738.02	67.01
33 14 13 13-0983	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	970.95	76.03
33 14 13 13-0984	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,007.82	88.92
33 14 13 13-0985	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,190.58	79.33
33 14 13 13-0986	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,244.23	91.53
33 14 13 13-0987	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,293.75	100.07
33 14 13 13-0988	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,377.54	87.87
33 14 13 13-0989	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,523.48	100.07
33 14 13 13-0990	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,547.47	107.40
33 14 13 13-0991	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,616.21	115.94
33 14 13 13-0992	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,391.95	113.50
33 14 13 13-0993	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,404.17	120.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0994	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,088.03	129.36
33 14 13 13-0995	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,129.69	136.68
33 14 13 13-0996	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,868.06	131.81
33 14 13 13-0997	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,780.14	140.35
33 14 13 13-0998	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,607.34	147.67
33 14 13 13-0999	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,574.39	155.00
33 14 13 13-1000	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,912.69	168.42
33 14 13 13-1001	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,112.66	170.86
33 14 13 13-1002	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,513.24	179.40
33 14 13 13-1003	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,352.65	186.72
33 14 13 13-1004	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,012.98	200.15
33 14 13 13-1005	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,505.33	219.68
33 14 13 13-1006	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,144.20	234.32
33 14 13 13-1007	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,175.62	241.64
33 14 13 13-1008	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,787.26	250.18
33 14 13 13-1009	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,781.92	263.61
33 14 13 13-1010	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,684.66	281.92
33 14 13 13-1011	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,362.79	313.65
33 14 13 13-1012	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,217.11	312.43
33 14 13 13-1013	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,292.29	325.85
33 14 13 13-1014	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,383.53	344.16
33 14 13 13-1015	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,293.89	375.89
33 14 13 13-1016	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,105.50	438.14
33 14 13 13-1017	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,554.70	388.10
33 14 13 13-1018	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,957.90	419.82
33 14 13 13-1019	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,577.62	483.29
33 14 13 13-1020	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,089.56	545.53
33 14 13 13-1021	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,601.18	517.46
33 14 13 13-1022	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,692.39	579.70
33 14 13 13-1023	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,482.23	624.86
33 14 13 13-1024	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,710.54	443.02
33 14 13 13-1025	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,593.41	474.75
33 14 13 13-1026	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,627.44	536.99
33 14 13 13-1027	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	19,348.44	599.23
33 14 13 13-1028	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,779.09	644.39
33 14 13 13-1029	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,511.13	678.56
33 14 13 13-1030	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,597.72	473.53
33 14 13 13-1031	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,824.72	505.25
33 14 13 13-1032	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,659.00	567.50
33 14 13 13-1033	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,281.82	630.96
33 14 13 13-1034	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	26,718.06	674.89
33 14 13 13-1035	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,079.12	709.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1036	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,394.18	728.60
33 14 13 13-1037		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps** *(33 14 13 13-0611)*		
33 14 13 13-1038	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	430.10	106.32
33 14 13 13-1039	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	518.88	125.00
33 14 13 13-1040	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	762.49	155.93
33 14 13 13-1041	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,025.99	177.84
33 14 13 13-1042	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,359.15	268.50
33 14 13 13-1043	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,720.13	292.90
33 14 13 13-1044	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,956.94	322.20
33 14 13 13-1045	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,386.23	357.59
33 14 13 13-1046	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,797.66	402.74
33 14 13 13-1047	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,377.70	460.10
33 14 13 13-1048	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,338.28	536.99
33 14 13 13-1049	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,917.67	644.39
33 14 13 13-1050	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	13,013.80	805.49
33 14 13 13-1051	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,783.47	966.58
33 14 13 13-1052	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	22,376.60	1,073.98
33 14 13 13-1053		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0611)*		
33 14 13 13-1054	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	432.07	106.32
33 14 13 13-1055	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	538.52	125.00
33 14 13 13-1056	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	813.55	155.93
33 14 13 13-1057	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,077.04	177.84
33 14 13 13-1058	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,651.72	268.50
33 14 13 13-1059	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,786.89	292.90
33 14 13 13-1060	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,383.04	322.20
33 14 13 13-1061	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,879.09	357.59
33 14 13 13-1062	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,427.98	402.74
33 14 13 13-1063	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,229.91	460.10
33 14 13 13-1064	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,551.79	536.99
33 14 13 13-1065	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,594.58	644.39
33 14 13 13-1066	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	14,056.47	805.49
33 14 13 13-1067	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,915.03	966.58
33 14 13 13-1068	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	25,166.88	1,073.98
33 14 13 13-1069		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0611)*		
33 14 13 13-1070	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	584.55	161.60
33 14 13 13-1071	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	776.37	186.86
33 14 13 13-1072	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,071.09	234.53
33 14 13 13-1073	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,412.34	266.76
33 14 13 13-1074	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,078.98	402.74
33 14 13 13-1075	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,487.90	439.35
33 14 13 13-1076	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,265.29	483.29
33 14 13 13-1077	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,707.97	536.99
33 14 13 13-1078	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,877.86	604.11
33 14 13 13-1079	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,658.58	690.77
33 14 13 13-1080	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,853.99	805.49
33 14 13 13-1081	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,821.07	966.58
33 14 13 13-1082	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,733.47	1,208.23
33 14 13 13-1083	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	20,080.71	1,380.31
33 14 13 13-1084	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	24,971.21	1,610.97
33 14 13 13-1085		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0611)*		
33 14 13 13-1086	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	608.12	161.60
33 14 13 13-1087	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	746.92	186.86
33 14 13 13-1088	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,104.48	234.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1089	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,502.66	266.76
33 14 13 13-1090	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,953.31	402.74
33 14 13 13-1091	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,370.08	439.35
33 14 13 13-1092	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,013.95	483.29
33 14 13 13-1093	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,574.44	536.99
33 14 13 13-1094	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,273.08	604.11
33 14 13 13-1095	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,977.21	690.77
33 14 13 13-1096	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,229.56	805.49
33 14 13 13-1097	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,497.08	966.58
33 14 13 13-1098	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,651.52	1,208.23
33 14 13 13-1099	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,796.61	1,379.09
33 14 13 13-1100	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	26,493.00	1,610.97

33 14 13 13-1101 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1102 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1101)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1103	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	39.03	10.63
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.04*	
		For Cement Mortar Lining (CML), Add	*2.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.72*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.89*	
		For >1,000, Deduct	*-1.95*	
		For Class 51, Add	*3.33*	
		For Class 52, Add	*7.17*	
		For Class 53, Add	*12.89*	
		For Class 54, Add	*18.37*	
		For Class 55, Add	*21.14*	
		For Class 56, Add	*23.86*	
33 14 13 13-1104	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	42.81	11.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.61*	
		For Cement Mortar Lining (CML), Add	*2.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.89*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.95*	
		For >1,000, Deduct	*-2.14*	
		For Class 51, Add	*3.65*	
		For Class 52, Add	*7.86*	
		For Class 53, Add	*14.14*	
		For Class 54, Add	*20.16*	
		For Class 55, Add	*23.20*	
		For Class 56, Add	*26.19*	
33 14 13 13-1105	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	53.70	12.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.06*	
		For Cement Mortar Lining (CML), Add	*3.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.56*	
		For Fusion Bonded Epoxy Lining (206N), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*16.33*	
		For >1,000, Deduct	*-2.69*	
		For Class 51, Add	*4.93*	
		For Class 52, Add	*10.63*	
		For Class 53, Add	*19.14*	
		For Class 54, Add	*27.31*	
		For Class 55, Add	*31.40*	
		For Class 56, Add	*35.42*	
33 14 13 13-1106	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	75.95	18.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.09*	
		For Cement Mortar Lining (CML), Add	*4.85*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.64*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*23.03*	
		For >1,000, Deduct	*-3.80*	
		For Class 51, Add	*6.95*	
		For Class 52, Add	*15.00*	
		For Class 53, Add	*27.02*	
		For Class 54, Add	*38.54*	
		For Class 55, Add	*44.31*	
		For Class 56, Add	*49.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1107	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	88.32	20.14
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.91*	
		For Cement Mortar Lining (CML), Add	*5.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*27.46*	
		For >1,000, Deduct	*-4.42*	
		For Class 51, Add	*8.26*	
		For Class 52, Add	*17.82*	
		For Class 53, Add	*32.12*	
		For Class 54, Add	*45.83*	
		For Class 55, Add	*52.69*	
		For Class 56, Add	*59.43*	
33 14 13 13-1108	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	107.98	22.70
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*32.42*	
		For Cement Mortar Lining (CML), Add	*7.37*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*25.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*35.00*	
		For >1,000, Deduct	*-5.40*	
		For Class 51, Add	*10.47*	
		For Class 52, Add	*22.60*	
		For Class 53, Add	*40.78*	
		For Class 54, Add	*58.19*	
		For Class 55, Add	*66.88*	
		For Class 56, Add	*75.41*	
33 14 13 13-1109	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	128.15	25.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*36.48*	
		For Cement Mortar Lining (CML), Add	*8.90*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*27.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.67*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*42.26*	
		For >1,000, Deduct	*-6.41*	
		For Class 51, Add	*12.62*	
		For Class 52, Add	*27.23*	
		For Class 53, Add	*49.15*	
		For Class 54, Add	*70.15*	
		For Class 55, Add	*80.61*	
		For Class 56, Add	*90.89*	
33 14 13 13-1110	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	149.09	30.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.37*	
		For Cement Mortar Lining (CML), Add	*10.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.03*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*49.08*	
		For >1,000, Deduct	*-7.45*	
		For Class 51, Add	*14.66*	
		For Class 52, Add	*31.64*	
		For Class 53, Add	*57.09*	
		For Class 54, Add	*81.48*	
		For Class 55, Add	*93.64*	
		For Class 56, Add	*105.57*	
33 14 13 13-1111	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	171.81	36.25
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.42*	
		For Cement Mortar Lining (CML), Add	*11.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*55.52*	
		For >1,000, Deduct	*-8.59*	
		For Class 51, Add	*16.62*	
		For Class 52, Add	*35.87*	
		For Class 53, Add	*64.70*	
		For Class 54, Add	*92.33*	
		For Class 55, Add	*106.12*	
		For Class 56, Add	*119.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1112	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	217.43	45.28
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*46.10*	
		For Cement Mortar Lining (CML), Add	*14.87*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.15*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*70.64*	
		For >1,000, Deduct	*-10.87*	
		For Class 51, Add	*21.13*	
		For Class 52, Add	*45.61*	
		For Class 53, Add	*82.28*	
		For Class 54, Add	*117.41*	
		For Class 55, Add	*134.94*	
		For Class 56, Add	*152.16*	
33 14 13 13-1113	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	258.32	48.33
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*57.38*	
		For Cement Mortar Lining (CML), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.88*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-12.92*	
		For Class 51, Add	*26.14*	
		For Class 52, Add	*56.45*	
		For Class 53, Add	*101.94*	
		For Class 54, Add	*145.52*	
		For Class 55, Add	*167.19*	
		For Class 56, Add	*188.46*	
33 14 13 13-1114	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	321.54	51.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*75.54*	
		For Cement Mortar Lining (CML), Add	*24.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.28*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.08*	
		For Class 51, Add	*34.19*	
		For Class 52, Add	*73.85*	
		For Class 53, Add	*133.50*	
		For Class 54, Add	*190.64*	
		For Class 55, Add	*218.93*	
		For Class 56, Add	*246.71*	
33 14 13 13-1115	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	393.09	54.43
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*96.32*	
		For Cement Mortar Lining (CML), Add	*31.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.30*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.65*	
		For Class 51, Add	*43.38*	
		For Class 52, Add	*93.75*	
		For Class 53, Add	*169.60*	
		For Class 54, Add	*242.25*	
		For Class 55, Add	*278.11*	
		For Class 56, Add	*313.32*	
33 14 13 13-1116	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	474.37	57.36
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*120.08*	
		For Cement Mortar Lining (CML), Add	*38.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-23.72*	
		For Class 51, Add	*53.88*	
		For Class 52, Add	*116.48*	
		For Class 53, Add	*210.84*	
		For Class 54, Add	*301.22*	
		For Class 55, Add	*345.73*	
		For Class 56, Add	*389.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1117	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	603.20	60.42
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*158.62*	
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-30.16*	
		For Class 51, Add	*70.88*	
		For Class 52, Add	*153.28*	
		For Class 53, Add	*277.64*	
		For Class 54, Add	*396.72*	
		For Class 55, Add	*455.22*	
		For Class 56, Add	*512.65*	
33 14 13 13-1118		Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1101)*		
33 14 13 13-1119	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	300.50	41.50
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1120	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	435.32	61.21
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1121	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	585.31	72.68
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1122	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	884.38	80.30
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1123	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,145.03	94.22
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1124	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,302.68	105.69
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1125	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,602.56	120.82
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1126	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,062.60	169.15
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1127	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,562.40	213.21
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1128	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,696.72	266.54
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	
33 14 13 13-1129		**Push-On Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-1101)*		
33 14 13 13-1130	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	246.46	41.50
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1131	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	362.66	61.21
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1132	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	507.14	72.68
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1133	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	776.46	80.30
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1134	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	1,007.51	94.22
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1135	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,443.95	105.69
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1136	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,152.91	120.82
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1137	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,462.99	169.15
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1138	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,467.21	213.21
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1139	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,301.82	266.54
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	

33 14 13 13-1140 Push-On Joint Ductile Iron Tee *(33 14 13 13-1101)*

33 14 13 13-1141	EA	4" Tee, Push-On Joint Ductile Iron	460.20	61.21
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1142	EA	6" Tee, Push-On Joint Ductile Iron	639.10	89.95
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1143	EA	8" Tee, Push-On Joint Ductile Iron	878.09	109.02
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1144	EA	10" Tee, Push-On Joint Ductile Iron	1,304.63	122.04
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1145	EA	12" Tee, Push-On Joint Ductile Iron	1,627.95	140.71
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1146	EA	14" Tee, Push-On Joint Ductile Iron	2,642.12	169.15
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1147	EA	16" Tee, Push-On Joint Ductile Iron	3,830.54	211.50
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1148	EA	18" Tee, Push-On Joint Ductile Iron	4,808.86	282.16
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1149	EA	20" Tee, Push-On Joint Ductile Iron	5,662.71	344.28
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1150	EA	24" Tee, Push-On Joint Ductile Iron	7,423.98	430.32
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	
33 14 13 13-1151		**Flanged End x Push-On Joint Ductile Iron Adapters** *(33 14 13 13-1101)*		
33 14 13 13-1152	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	469.52	143.94
		For Cement Mortar Lining (CML), Add	*25.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	574.76	178.22
		For Cement Mortar Lining (CML), Add	*30.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	753.10	207.86
		For Cement Mortar Lining (CML), Add	*43.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1155	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	1,029.09	302.06
		For Cement Mortar Lining (CML), Add	*57.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1156	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,246.85	345.26
		For Cement Mortar Lining (CML), Add	*72.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1157	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,439.47	371.75
		For Cement Mortar Lining (CML), Add	*87.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1158	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,714.98	402.74
		For Cement Mortar Lining (CML), Add	*110.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1159	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	2,027.49	483.29
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1160	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,356.49	536.99
		For Cement Mortar Lining (CML), Add	*154.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.72*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1161	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,957.85	619.61
		For Cement Mortar Lining (CML), Add	*201.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*363.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1162	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,750.19	743.48
		For Cement Mortar Lining (CML), Add	*362.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*652.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1163	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,578.51	929.35
		For Cement Mortar Lining (CML), Add	*517.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*930.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1164	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,322.13	1,073.98
		For Cement Mortar Lining (CML), Add	*669.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,205.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*502.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1165	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,620.97	1,380.79
		For Cement Mortar Lining (CML), Add	*852.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,535.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*639.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1166	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,908.63	1,611.33
		For Cement Mortar Lining (CML), Add	*1,046.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,884.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*785.03*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1167 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1101)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1168	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	59.58	22.41
33 14 13 13-1169	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	77.73	29.24
33 14 13 13-1170	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	101.10	29.87
33 14 13 13-1171	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	120.17	31.72
33 14 13 13-1172	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	143.34	35.23
33 14 13 13-1173	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	181.75	39.64
33 14 13 13-1174	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	214.65	45.30
33 14 13 13-1175	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	242.27	49.09
33 14 13 13-1176	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	282.23	58.89
33 14 13 13-1177	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	340.81	61.17
33 14 13 13-1178	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	439.02	67.97
33 14 13 13-1179	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	575.67	73.61
33 14 13 13-1180	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	712.76	80.54
33 14 13 13-1181	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	841.81	90.62
33 14 13 13-1182	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,168.38	98.27

33 14 13 13-1183 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1101)*

33 14 13 13-1184	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	257.56	82.38
33 14 13 13-1185	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	339.19	100.56
33 14 13 13-1186	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	436.21	122.65
33 14 13 13-1187	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	654.81	149.62
33 14 13 13-1188	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	811.97	182.46
33 14 13 13-1189	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,393.06	222.60
33 14 13 13-1190	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,591.68	271.67
33 14 13 13-1191	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,808.59	331.35
33 14 13 13-1192	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,455.09	404.33
33 14 13 13-1193	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,129.73	493.18
33 14 13 13-1194	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,383.55	601.79
33 14 13 13-1195	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,629.75	734.09
33 14 13 13-1196	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,827.47	895.67
33 14 13 13-1197	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,883.63	1,092.65

33 14 13 13-1198 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1199		**Ductile Iron Pipe Repair** *(33 14 13 13-1198)*		
		Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1200	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,472.00	
33 14 13 13-1201	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,712.31	
33 14 13 13-1202	EA	42" Diameter Mechanical Ductile Iron Push Joint	7,330.42	
33 14 13 13-1203	EA	48" Diameter Mechanical Ductile Iron Push Joint	9,230.46	
33 14 13 13-1204	EA	54" Diameter Mechanical Ductile Iron Push Joint	13,481.84	
33 14 13 13-1205		**WEKO Seals** *(33 14 13 13-1198)*		
		Note: Internal joint seal.		
33 14 13 13-1206	EA	16" WEKO Internal Joint Seal	2,653.71	234.80
		For Extra Wide Seals, Add	*87.79*	
33 14 13 13-1207	EA	18" WEKO Internal Joint Seal	2,828.00	247.94
		For Extra Wide Seals, Add	*88.79*	
33 14 13 13-1208	EA	20" WEKO Internal Joint Seal	3,002.07	261.07
		For Extra Wide Seals, Add	*89.78*	
33 14 13 13-1209	EA	24" WEKO Internal Joint Seal	3,178.52	281.96
		For Extra Wide Seals, Add	*91.36*	
33 14 13 13-1210	EA	30" WEKO Internal Joint Seal	3,276.70	302.84
		For Extra Wide Seals, Add	*92.94*	
33 14 13 13-1211	EA	36" WEKO Internal Joint Seal	3,433.65	328.95
		For Extra Wide Seals, Add	*94.92*	
33 14 13 13-1212	EA	42" WEKO Internal Joint Seal	3,657.25	360.28
		For Extra Wide Seals, Add	*97.29*	
33 14 13 13-1213	EA	48" WEKO Internal Joint Seal	3,951.17	386.38
		For Extra Wide Seals, Add	*99.27*	
33 14 13 13-1214	EA	54" WEKO Internal Joint Seal	4,096.32	407.26
		For Extra Wide Seals, Add	*100.85*	
33 14 13 13-1215	EA	60" WEKO Internal Joint Seal	4,265.12	438.59
		For Extra Wide Seals, Add	*103.23*	
33 14 13 23		**Plastic Public Water Utility Distribution Piping** *(33 14 13)*		
		Note: Includes detectable tracer wire.		
33 14 13 23-0001		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.87	4.16
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	17.31	5.04
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	23.81	5.67
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	31.42	6.30
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	40.76	7.06
33 14 13 23-0008		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	13.14	4.16
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.95	5.04
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	28.26	5.67
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	38.33	6.30
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	50.41	7.06
33 14 13 23-0014		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	14.40	4.16
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	22.57	5.04
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	32.70	5.67
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	45.08	6.30
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	60.05	7.06
33 14 13 23-0020		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	64.00	10.58
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	78.08	12.60
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	104.90	15.12
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	151.98	17.64
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	210.19	20.16
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	266.74	21.42
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	338.23	23.06
33 14 13 23-0028		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	47.25	7.94
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	59.37	8.82
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	73.66	10.58
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	90.62	12.60
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	124.24	15.12
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	179.72	17.64
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	247.34	20.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	328.52	21.42
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	418.39	23.06
33 14 13 23-0038		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	54.68	7.94
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	69.69	8.82
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	86.48	10.58
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	107.25	12.60
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	148.11	15.12
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	215.58	17.64
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	299.69	20.16
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	390.53	21.42
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	499.31	23.06
33 14 13 23-0048		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	67.39	7.94
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	84.78	8.82
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	105.90	10.58
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	130.71	12.60
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	181.94	15.12
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	268.67	17.64
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	381.32	20.16
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	510.24	21.42
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	659.96	23.06
33 14 13 23-0058		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	76.93	7.94
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	97.20	8.82
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	121.57	10.58
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	150.21	12.60
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	210.01	15.12
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	311.85	17.64
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	444.39	20.16
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	596.69	21.42
33 14 13 23-0067		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	86.24	7.94
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	109.28	8.82
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	136.79	10.58
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	169.20	12.60
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	237.31	15.12
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	353.86	17.64
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	505.77	20.16
33 14 13 23-0075		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0077	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	219.72	14.18
		For DR 25, Deduct	*-11.48*	
33 14 13 23-0078	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	449.62	15.96
		For DR 25, Deduct	*-25.06*	
33 14 13 23-0079	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	675.25	17.73
		For DR 25, Deduct	*-38.39*	
33 14 13 23-0080	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,031.81	28.45
		For DR 25, Deduct	*-58.49*	
33 14 13 23-0081	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,343.16	47.42
		For DR 25, Deduct	*-74.90*	
33 14 13 23-0082	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,016.65	59.28
		For DR 25, Deduct	*-113.89*	
33 14 13 23-0083	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,406.63	71.15
		For DR 25, Deduct	*-135.86*	
33 14 13 23-0084	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,128.71	94.86
		For DR 25, Deduct	*-236.34*	
33 14 13 23-0085	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,082.64	118.57
		For DR 25, Deduct	*-290.73*	
33 14 13 23-0086	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,435.78	160.07
		For DR 25, Deduct	*-486.94*	
33 14 13 23-0087		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0075)*		
33 14 13 23-0088	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	194.74	14.18
		For DR 25, Deduct	*-9.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0089	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	336.30	15.96
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0090	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	426.12	17.73
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0091	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	603.36	28.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0092	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	807.03	47.42
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0093	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,550.30	59.28
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0094	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,964.84	71.15
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0095	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,390.06	94.86
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0096	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,210.63	118.57
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0097	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,941.76	160.07
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0098 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows *(33 14 13 23-0075)*

33 14 13 23-0099	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	191.71	14.18
		For DR 25, Deduct	*-9.80*	
33 14 13 23-0100	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	336.30	15.96
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0101	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	426.13	17.73
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0102	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	603.37	28.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0103	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	807.04	47.42
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0104	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,545.54	56.91
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0105	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,964.81	71.15
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0106	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,390.06	94.86
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0107	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,210.63	118.57
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0108	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,941.76	160.07
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0109 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows *(33 14 13 23-0075)*

33 14 13 23-0110	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	169.33	14.18
		For DR 25, Deduct	*-8.46*	
33 14 13 23-0111	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	336.30	15.96
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0112	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	426.13	17.73
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0113	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	603.37	28.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0114	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	807.04	47.42
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0115	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,545.54	56.91
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0116	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,964.81	71.15
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0117	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,390.06	94.86
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0118	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,210.63	118.57
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0119	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,941.76	160.07
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0120 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0075)*

33 14 13 23-0121	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	261.12	15.96
		For DR 25, Deduct	*-13.75*	
33 14 13 23-0122	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	504.04	17.73
		For DR 25, Deduct	*-28.11*	
33 14 13 23-0123	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	703.27	20.09
		For DR 25, Deduct	*-39.79*	
33 14 13 23-0124	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,450.65	35.57
		For DR 25, Deduct	*-82.77*	
33 14 13 23-0125	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,771.72	71.15
		For DR 25, Deduct	*-97.77*	
33 14 13 23-0126	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,198.16	88.92
		For DR 25, Deduct	*-181.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0127	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,961.10	106.71
		For DR 25, Deduct	*-224.86*	
33 14 13 23-0128	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	4,998.28	142.28
		For DR 25, Deduct	*-282.82*	
33 14 13 23-0129	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	6,002.61	177.85
		For DR 25, Deduct	*-338.81*	
33 14 13 23-0130	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,230.34	120.94
		For DR 25, Deduct	*-479.31*	

33 14 13 23-0131 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes *(33 14 13 23-0075)*

33 14 13 23-0132	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	502.01	23.05
		For DR 25, Deduct	*-27.35*	
33 14 13 23-0133	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	682.70	24.82
		For DR 25, Deduct	*-37.98*	
33 14 13 23-0134	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	699.80	25.71
		For DR 25, Deduct	*-38.90*	
33 14 13 23-0135	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	908.87	35.57
		For DR 25, Deduct	*-50.26*	
33 14 13 23-0136	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,230.43	36.46
		For DR 25, Deduct	*-69.45*	
33 14 13 23-0137	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,316.20	37.35
		For DR 25, Deduct	*-74.49*	
33 14 13 23-0138	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,396.02	54.54
		For DR 25, Deduct	*-77.22*	
33 14 13 23-0139	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,602.21	55.43
		For DR 25, Deduct	*-89.48*	
33 14 13 23-0140	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,699.67	56.32
		For DR 25, Deduct	*-95.22*	
33 14 13 23-0141	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,731.87	61.65
		For DR 25, Deduct	*-96.51*	
33 14 13 23-0142	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,628.96	64.03
		For DR 25, Deduct	*-150.05*	
33 14 13 23-0143	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,734.63	64.92
		For DR 25, Deduct	*-156.29*	
33 14 13 23-0144	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,840.57	65.81
		For DR 25, Deduct	*-162.54*	
33 14 13 23-0145	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,954.80	71.15
		For DR 25, Deduct	*-168.75*	
33 14 13 23-0146	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,077.72	80.63
		For DR 25, Deduct	*-174.99*	
33 14 13 23-0147	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,280.78	78.25
		For DR 25, Deduct	*-187.46*	
33 14 13 23-0148	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,384.65	78.25
		For DR 25, Deduct	*-193.69*	
33 14 13 23-0149	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,490.34	79.14
		For DR 25, Deduct	*-199.92*	
33 14 13 23-0150	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,596.03	80.03
		For DR 25, Deduct	*-206.16*	
33 14 13 23-0151	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,729.54	94.86
		For DR 25, Deduct	*-212.39*	
33 14 13 23-0152	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,842.92	99.60
		For DR 25, Deduct	*-218.62*	
33 14 13 23-0153	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,054.72	101.97
		For DR 25, Deduct	*-231.05*	
33 14 13 23-0154	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,161.13	102.86
		For DR 25, Deduct	*-237.32*	
33 14 13 23-0155	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,266.80	103.75
		For DR 25, Deduct	*-243.56*	
33 14 13 23-0156	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,381.37	109.08
		For DR 25, Deduct	*-249.79*	
33 14 13 23-0157	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,504.19	118.57
		For DR 25, Deduct	*-256.02*	
33 14 13 23-0158	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,616.86	123.31
		For DR 25, Deduct	*-262.21*	
33 14 13 23-0159	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,760.10	130.43
		For DR 25, Deduct	*-269.96*	
33 14 13 23-0160	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,142.50	125.69
		For DR 25, Deduct	*-293.47*	
33 14 13 23-0161	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,321.69	126.57
		For DR 25, Deduct	*-304.11*	
33 14 13 23-0162	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,392.24	127.46
		For DR 25, Deduct	*-308.24*	
33 14 13 23-0163	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,471.77	132.80
		For DR 25, Deduct	*-312.37*	
33 14 13 23-0164	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,559.54	142.28
		For DR 25, Deduct	*-316.50*	
33 14 13 23-0165	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,680.57	147.02
		For DR 25, Deduct	*-323.19*	
33 14 13 23-0166	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,806.36	154.14
		For DR 25, Deduct	*-329.89*	
33 14 13 23-0167	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,904.49	165.99
		For DR 25, Deduct	*-334.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0168	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,055.64	167.19
		For DR 25, Deduct	*-343.28*	
33 14 13 23-0169	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,131.86	168.08
		For DR 25, Deduct	*-347.74*	
33 14 13 23-0170	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,208.06	168.96
		For DR 25, Deduct	*-352.21*	
33 14 13 23-0171	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,521.34	174.29
		For DR 25, Deduct	*-370.37*	
33 14 13 23-0172	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,842.90	183.78
		For DR 25, Deduct	*-388.52*	
33 14 13 23-0173	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,155.00	188.52
		For DR 25, Deduct	*-406.68*	
33 14 13 23-0174	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,471.87	195.64
		For DR 25, Deduct	*-424.84*	
33 14 13 23-0175	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,798.20	207.49
		For DR 25, Deduct	*-442.99*	
33 14 13 23-0176	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	8,124.53	219.35
		For DR 25, Deduct	*-461.15*	

33 14 13 23-0177 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	362.36	28.37
		For DR 25, Deduct	*-18.34*	
33 14 13 23-0179	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	650.37	31.91
		For DR 25, Deduct	*-35.19*	
33 14 13 23-0180	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	900.19	35.46
		For DR 25, Deduct	*-49.76*	
33 14 13 23-0181	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,837.48	56.91
		For DR 25, Deduct	*-103.42*	
33 14 13 23-0182	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,179.49	71.15
		For DR 25, Deduct	*-122.23*	
33 14 13 23-0183	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,965.31	94.86
		For DR 25, Deduct	*-226.54*	
33 14 13 23-0184	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,920.96	118.57
		For DR 25, Deduct	*-281.04*	
33 14 13 23-0185	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,272.46	189.72
		For DR 25, Deduct	*-353.58*	
33 14 13 23-0186	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,533.01	237.14
		For DR 25, Deduct	*-423.52*	
33 14 13 23-0187	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,625.24	320.14
		For DR 25, Deduct	*-599.10*	

33 14 13 23-0188 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	630.63	30.14
		For DR 25, Deduct	*-34.22*	
33 14 13 23-0190	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	856.12	31.91
		For DR 25, Deduct	*-47.54*	
33 14 13 23-0191	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	878.03	33.68
		For DR 25, Deduct	*-48.64*	
33 14 13 23-0192	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,317.47	42.68
		For DR 25, Deduct	*-73.93*	
33 14 13 23-0193	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,535.99	44.46
		For DR 25, Deduct	*-86.82*	
33 14 13 23-0194	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,687.24	46.24
		For DR 25, Deduct	*-95.69*	
33 14 13 23-0195	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,732.52	61.65
		For DR 25, Deduct	*-96.55*	
33 14 13 23-0196	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,990.98	63.43
		For DR 25, Deduct	*-111.85*	
33 14 13 23-0197	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,114.16	65.21
		For DR 25, Deduct	*-119.02*	
33 14 13 23-0198	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,162.30	75.89
		For DR 25, Deduct	*-120.63*	
33 14 13 23-0199	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,268.40	71.15
		For DR 25, Deduct	*-187.57*	
33 14 13 23-0200	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,401.44	72.92
		For DR 25, Deduct	*-195.34*	
33 14 13 23-0201	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,535.91	74.69
		For DR 25, Deduct	*-203.19*	
33 14 13 23-0202	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,687.62	85.37
		For DR 25, Deduct	*-211.01*	
33 14 13 23-0203	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,854.93	104.34
		For DR 25, Deduct	*-218.78*	
33 14 13 23-0204	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,075.45	85.37
		For DR 25, Deduct	*-234.28*	
33 14 13 23-0205	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,210.24	87.15
		For DR 25, Deduct	*-242.16*	
33 14 13 23-0206	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,343.59	88.92
		For DR 25, Deduct	*-249.94*	
33 14 13 23-0207	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,495.19	99.60
		For DR 25, Deduct	*-257.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0208	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,570.02	118.57
		For DR 25, Deduct	*-259.97*	
33 14 13 23-0209	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,811.15	128.05
		For DR 25, Deduct	*-273.30*	
33 14 13 23-0210	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,032.30	109.08
		For DR 25, Deduct	*-288.85*	
33 14 13 23-0211	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,166.78	110.86
		For DR 25, Deduct	*-296.70*	
33 14 13 23-0212	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,300.32	112.64
		For DR 25, Deduct	*-304.50*	
33 14 13 23-0213	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,449.96	123.31
		For DR 25, Deduct	*-312.20*	
33 14 13 23-0214	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,618.83	142.28
		For DR 25, Deduct	*-320.06*	
33 14 13 23-0215	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,767.19	151.77
		For DR 25, Deduct	*-327.82*	
33 14 13 23-0216	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,956.68	165.99
		For DR 25, Deduct	*-337.48*	
33 14 13 23-0217	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,380.12	132.80
		For DR 25, Deduct	*-366.87*	
33 14 13 23-0218	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,605.06	134.58
		For DR 25, Deduct	*-380.15*	
33 14 13 23-0219	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,695.24	136.36
		For DR 25, Deduct	*-385.35*	
33 14 13 23-0220	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,802.27	147.02
		For DR 25, Deduct	*-390.49*	
33 14 13 23-0221	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,925.92	165.99
		For DR 25, Deduct	*-395.64*	
33 14 13 23-0222	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,083.35	175.48
		For DR 25, Deduct	*-403.94*	
33 14 13 23-0223	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,253.04	189.72
		For DR 25, Deduct	*-412.42*	
33 14 13 23-0224	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,393.20	213.43
		For DR 25, Deduct	*-417.98*	
33 14 13 23-0225	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,458.90	174.29
		For DR 25, Deduct	*-426.62*	
33 14 13 23-0226	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,597.25	176.07
		For DR 25, Deduct	*-434.71*	
33 14 13 23-0227	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,694.21	177.85
		For DR 25, Deduct	*-440.31*	
33 14 13 23-0228	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,093.37	188.52
		For DR 25, Deduct	*-462.98*	
33 14 13 23-0229	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,509.29	207.49
		For DR 25, Deduct	*-485.66*	
33 14 13 23-0230	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,906.15	216.98
		For DR 25, Deduct	*-508.33*	
33 14 13 23-0231	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,314.13	231.21
		For DR 25, Deduct	*-531.10*	
33 14 13 23-0232	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,738.64	254.93
		For DR 25, Deduct	*-553.73*	
33 14 13 23-0233	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	10,164.76	278.64
		For DR 25, Deduct	*-576.45*	

33 14 13 23-0234 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0075)*

33 14 13 23-0235	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	131.43	14.18
		For DR 25, Deduct	*-6.18*	
33 14 13 23-0236	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	244.64	15.96
		For DR 25, Deduct	*-12.76*	
33 14 13 23-0237	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	294.41	17.73
		For DR 25, Deduct	*-15.54*	
33 14 13 23-0238	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	419.15	28.45
		For DR 25, Deduct	*-21.73*	
33 14 13 23-0239	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	666.32	35.57
		For DR 25, Deduct	*-35.71*	
33 14 13 23-0240	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,155.45	47.42
		For DR 25, Deduct	*-63.63*	
33 14 13 23-0241	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,368.88	59.28
		For DR 25, Deduct	*-75.02*	
33 14 13 23-0242	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,275.11	94.86
		For DR 25, Deduct	*-185.12*	
33 14 13 23-0243	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,672.14	118.57
		For DR 25, Deduct	*-206.10*	
33 14 13 23-0244	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,170.16	160.07
		For DR 25, Deduct	*-291.00*	

33 14 13 23-0245 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0075)*

33 14 13 23-0246	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	162.81	14.18
		For DR 25, Deduct	*-8.07*	
33 14 13 23-0247	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	221.08	15.96
		For DR 25, Deduct	*-11.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0248	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	321.23	17.73
		For DR 25, Deduct	*-17.15*	
33 14 13 23-0249	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	440.06	28.45
		For DR 25, Deduct	*-22.99*	
33 14 13 23-0250	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	705.29	47.42
		For DR 25, Deduct	*-36.63*	
33 14 13 23-0251	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,869.18	56.91
		For DR 25, Deduct	*-105.32*	
33 14 13 23-0252	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,529.97	71.15
		For DR 25, Deduct	*-143.26*	
33 14 13 23-0253	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,117.60	94.86
		For DR 25, Deduct	*-175.67*	
33 14 13 23-0254	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,724.89	118.57
		For DR 25, Deduct	*-209.27*	
33 14 13 23-0255	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	5,060.10	160.07
		For DR 25, Deduct	*-284.40*	

33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*

33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.67	0.95
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.95	1.02
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.44	1.11
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.97	1.23
		For >1,000, Deduct	*-0.20*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.09	1.37
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.25*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.54	1.56
		For >1,000, Deduct	*-0.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.40*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.91	1.73
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.54*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	11.21	2.13
		For >1,000, Deduct	*-0.56*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.88*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	19.58	2.70
		For >1,000, Deduct	*-0.98*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.92*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	31.19	3.79
		For >1,000, Deduct	*-1.56*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.26*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	46.45	5.08
		For >1,000, Deduct	*-2.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.06*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	64.63	6.83
		For >1,000, Deduct	*-3.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*7.13*	

33 14 13 23-0270 Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0256)*

33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	28.73	11.34
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	36.30	14.18
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	45.70	17.73
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	67.75	19.62
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	73.41	21.98
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	86.75	24.94
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	96.68	27.74
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	133.67	34.07
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	191.81	43.28
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	309.05	56.82
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	380.76	76.02
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	503.55	102.32

33 14 13 23-0283 Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows *(33 14 13 23-0256)*

33 14 13 23-0284	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	29.23	11.34
33 14 13 23-0285	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	36.66	14.18
33 14 13 23-0286	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	45.92	17.73
33 14 13 23-0287	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	61.19	19.62
33 14 13 23-0288	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	74.02	21.98
33 14 13 23-0289	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	89.23	24.94
33 14 13 23-0290	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	95.63	27.74
33 14 13 23-0291	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	131.41	34.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0292	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	187.26	43.28
33 14 13 23-0293	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	300.37	56.82
33 14 13 23-0294	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	344.80	76.02
33 14 13 23-0295	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	453.79	102.32
33 14 13 23-0296		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes** *(33 14 13 23-0256)*		
33 14 13 23-0297	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	43.05	17.02
33 14 13 23-0298	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	54.33	21.39
33 14 13 23-0299	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	68.10	26.72
33 14 13 23-0300	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	93.55	29.55
33 14 13 23-0301	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	106.40	32.86
33 14 13 23-0302	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	123.73	37.47
33 14 13 23-0303	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	147.79	41.51
33 14 13 23-0304	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	193.82	51.16
33 14 13 23-0305	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	319.15	65.03
33 14 13 23-0306	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	476.95	85.23
33 14 13 23-0307	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	570.61	121.77
33 14 13 23-0308	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	715.27	163.86
33 14 13 23-0309		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings** *(33 14 13 23-0256)*		
33 14 13 23-0310	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	19.23	7.57
33 14 13 23-0311	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	25.95	10.16
33 14 13 23-0312	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	34.63	13.36
33 14 13 23-0313	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	47.82	14.77
33 14 13 23-0314	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	52.75	16.43
33 14 13 23-0315	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	60.00	18.68
33 14 13 23-0316	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	68.42	20.76
33 14 13 23-0317	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	93.61	25.53
33 14 13 23-0318	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	133.41	32.51
33 14 13 23-0319	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	225.38	42.62
33 14 13 23-0320	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	271.21	60.95
33 14 13 23-0321	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	346.25	81.93
33 14 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0322)*		
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.93	0.95
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.09*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.44	1.02
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.42	1.23
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.26	1.37
		For >1,000, Deduct	*-0.26*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.80	1.56
		For >1,000, Deduct	*-0.34*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.44*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.08	1.73
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.56*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.75	2.13
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.81*	
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	16.23	2.70
		For >1,000, Deduct	*-0.81*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.42*	
33 14 13 23-0332		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0333	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	28.91	11.34
33 14 13 23-0334	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	36.40	14.18
33 14 13 23-0335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	50.61	19.62
33 14 13 23-0336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.13	21.98
33 14 13 23-0337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	68.47	24.94
33 14 13 23-0338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	76.67	27.74
33 14 13 23-0339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	100.18	34.07
33 14 13 23-0340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	155.95	43.28
33 14 13 23-0341		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0342	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	28.87	11.34
33 14 13 23-0343	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	36.36	14.18
33 14 13 23-0344	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	50.63	19.62
33 14 13 23-0345	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	56.96	21.98
33 14 13 23-0346	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	68.00	24.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0347	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	76.12	27.74
33 14 13 23-0348	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	99.07	34.07
33 14 13 23-0349	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	152.43	43.28
33 14 13 23-0350		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	43.24	17.02
33 14 13 23-0352	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	54.47	21.39
33 14 13 23-0353	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	75.70	29.55
33 14 13 23-0354	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	85.10	32.86
33 14 13 23-0355	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	102.97	37.47
33 14 13 23-0356	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	117.24	41.51
33 14 13 23-0357	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	145.77	51.16
33 14 13 23-0358	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	237.32	65.03
33 14 13 23-0359		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	19.32	7.57
33 14 13 23-0361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	26.02	10.16
33 14 13 23-0362	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	37.74	14.77
33 14 13 23-0363	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	42.53	16.43
33 14 13 23-0364	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	49.86	18.68
33 14 13 23-0365	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	56.66	20.76
33 14 13 23-0366	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	70.19	25.53
33 14 13 23-0367	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	102.96	32.51
33 14 13 23-0368		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	57.83	22.70
33 14 13 23-0370	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	72.54	28.49
33 14 13 23-0371	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	100.91	39.36
33 14 13 23-0372	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	113.46	43.86
33 14 13 23-0373	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	137.25	49.88
33 14 13 23-0374	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	156.25	55.38
33 14 13 23-0375	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	194.25	68.14
33 14 13 23-0376	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	315.99	86.68
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.71	1.02
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.18*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.97	1.23
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.29*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.19	1.37
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.01	1.56
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.78	1.73
		For >1,000, Deduct	*-0.49*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.82*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	13.34	2.13
		For >1,000, Deduct	*-0.67*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.20*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	22.00	2.70
		For >1,000, Deduct	*-1.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.28*	
33 14 13 23-0386		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	37.84	14.18
33 14 13 23-0388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	50.61	19.62
33 14 13 23-0389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	58.57	21.98
33 14 13 23-0390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.52	24.94
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	79.50	27.74
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	100.86	34.07
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	152.73	43.28
33 14 13 23-0394		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	43.72	14.18
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	56.28	19.62
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	64.02	21.98
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	81.73	24.94
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	92.80	27.74
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	127.60	34.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	150.93	43.28
33 14 13 23-0402		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	57.48	21.39
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	84.84	29.55
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	96.00	32.86
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	108.74	37.47
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	122.76	41.51
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	149.75	51.16
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	237.18	65.03
33 14 13 23-0410		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	28.17	10.16
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	41.43	14.77
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	46.01	16.43
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	58.78	18.68
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	65.66	20.76
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	81.13	25.53
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	118.24	32.51
33 14 13 23-0418		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	76.54	28.49
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	113.04	39.36
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	127.93	43.86
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	144.91	49.88
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	163.58	55.38
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	199.54	68.14
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	315.80	86.68
33 14 13 23-0426		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0427		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	59.23	3.64
33 14 13 23-0429	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	84.20	3.92
33 14 13 23-0430	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.64	4.54
33 14 13 23-0431	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.76	5.82
33 14 13 23-0432	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	177.15	7.09
33 14 13 23-0433		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0434	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	751.35	52.80
33 14 13 23-0435	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,578.17	88.53
33 14 13 23-0436	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,739.48	96.63
33 14 13 23-0437	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,475.48	104.54
33 14 13 23-0438	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,764.49	112.47
33 14 13 23-0439		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,051.67	52.80
33 14 13 23-0441	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,275.20	88.53
33 14 13 23-0442	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,721.29	96.63
33 14 13 23-0443	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,356.78	104.54
33 14 13 23-0444	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,799.17	112.47
33 14 13 23-0445		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0426)*		
33 14 13 23-0446	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,455.23	84.48
33 14 13 23-0447	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,145.74	126.25
33 14 13 23-0448	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,834.29	134.64
33 14 13 23-0449	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,881.65	142.57
33 14 13 23-0450	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,697.94	150.47
33 14 13 23-0451		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0426)*		
33 14 13 23-0452	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,429.96	80.25
33 14 13 23-0453	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,561.14	113.94
33 14 13 23-0454	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,780.22	119.94
33 14 13 23-0455	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,017.38	115.44
33 14 13 23-0456	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,239.16	121.52
33 14 13 23-0457	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,553.42	127.91
33 14 13 23-0458	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,951.43	116.13
33 14 13 23-0459	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,334.32	122.23
33 14 13 23-0460	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,822.12	128.67
33 14 13 23-0461	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,385.65	135.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,011.55	116.44
33 14 13 23-0463	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,701.04	122.57
33 14 13 23-0464	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,244.23	129.02
33 14 13 23-0465	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,081.36	135.80
33 14 13 23-0466	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,958.66	142.95
33 14 13 23-0467		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0468	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,469.62	84.48
33 14 13 23-0469	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,477.45	126.25
33 14 13 23-0470	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,347.72	134.64
33 14 13 23-0471	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,825.23	142.57
33 14 13 23-0472	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,507.48	150.47
33 14 13 23-0473		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0474	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,280.35	80.25
33 14 13 23-0475	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,782.88	113.94
33 14 13 23-0476	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,063.89	119.94
33 14 13 23-0477	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,374.49	115.44
33 14 13 23-0478	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,505.46	121.52
33 14 13 23-0479	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,030.45	127.91
33 14 13 23-0480	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,219.90	116.13
33 14 13 23-0481	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,638.13	122.23
33 14 13 23-0482	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,834.87	135.44
33 14 13 23-0483	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,237.48	116.44
33 14 13 23-0484	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,211.07	122.57
33 14 13 23-0485	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,082.39	129.02
33 14 13 23-0486	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,755.44	135.80
33 14 13 23-0487	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,944.37	142.95
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	682.59	52.80
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	927.34	88.53
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,281.97	96.63
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,538.35	104.54
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,777.65	112.47
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	926.64	50.15
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	682.26	47.65
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	948.13	84.10
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,827.57	79.89
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,703.70	75.90
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,338.81	72.11
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	847.26	91.78
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,449.90	87.20
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,065.26	82.84
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,787.14	78.69
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,639.55	99.30
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,232.20	94.34
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,648.89	89.63
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,493.35	85.14
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,311.31	80.89
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,029.40	106.85
33 14 13 23-0511		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	824.30	89.63
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,444.61	85.14
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,097.80	85.14
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,790.04	80.89
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,883.11	76.85
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,795.26	73.00
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,645.48	80.89
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,991.54	76.85
33 14 13 23-0520	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,927.28	73.00
33 14 13 23-0521	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,129.93	69.35
33 14 13 23-0522	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,978.38	76.85
33 14 13 23-0523	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,295.79	73.00
33 14 13 23-0524	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,117.24	69.35
33 14 13 23-0525	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,017.82	65.89
33 14 13 23-0526	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,818.80	62.59
33 14 13 23-0527	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,543.19	101.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0528		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges** *(33 14 13 23-0426)*		
33 14 13 23-0529	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	904.39	52.80
33 14 13 23-0530	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,080.74	88.53
33 14 13 23-0531	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,031.66	96.63
33 14 13 23-0532	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,405.33	104.54
33 14 13 23-0533	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,211.16	112.47
33 14 13 23-0534	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0535	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0536	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0537	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0538	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0539	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0540		**AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23)*		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0541		**High-Density Polyethylene (HDPE) Pressure Pipe** *(33 14 13 23-0540)*		
33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.44	3.28
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.40*	
		For SDR 15.5, Add	*0.59*	
		For SDR 13.5, Add	*0.92*	
		For SDR 11, Add	*1.49*	
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	12.53	4.16
		For SDR 26, Deduct	*-0.77*	
		For SDR 19, Add	*0.38*	
		For SDR 17, Add	*0.94*	
		For SDR 15.5, Add	*1.37*	
		For SDR 13.5, Add	*2.14*	
		For SDR 11, Add	*3.44*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	19.15	5.04
		For SDR 26, Deduct	*-1.66*	
		For SDR 19, Add	*0.82*	
		For SDR 17, Add	*2.02*	
		For SDR 15.5, Add	*2.95*	
		For SDR 13.5, Add	*4.61*	
		For SDR 11, Add	*7.41*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.75	5.67
		For SDR 26, Deduct	*-2.82*	
		For SDR 19, Add	*1.39*	
		For SDR 17, Add	*3.42*	
		For SDR 15.5, Add	*5.01*	
		For SDR 13.5, Add	*7.83*	
		For SDR 11, Add	*12.60*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	36.55	6.30
		For SDR 26, Deduct	*-4.39*	
		For SDR 19, Add	*2.16*	
		For SDR 17, Add	*5.32*	
		For SDR 15.5, Add	*7.79*	
		For SDR 13.5, Add	*12.16*	
		For SDR 11, Add	*19.58*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	48.52	7.06
		For SDR 26, Deduct	*-6.33*	
		For SDR 19, Add	*3.11*	
		For SDR 17, Add	*7.67*	
		For SDR 15.5, Add	*11.24*	
		For SDR 13.5, Add	*17.54*	
		For SDR 11, Add	*28.23*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	56.34	7.94
		For SDR 26, Deduct	*-7.44*	
		For SDR 19, Add	*3.65*	
		For SDR 17, Add	*9.02*	
		For SDR 15.5, Add	*13.21*	
		For SDR 13.5, Add	*20.62*	
		For SDR 11, Add	*33.18*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	70.67	8.82
		For SDR 26, Deduct	*-9.72*	
		For SDR 19, Add	*4.77*	
		For SDR 17, Add	*11.78*	
		For SDR 15.5, Add	*17.26*	
		For SDR 13.5, Add	*26.93*	
		For SDR 11, Add	*43.35*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	88.25	10.58
		For SDR 26, Deduct	*-12.28*	
		For SDR 19, Add	*6.03*	
		For SDR 17, Add	*14.89*	
		For SDR 15.5, Add	*21.81*	
		For SDR 13.5, Add	*34.04*	
		For SDR 11, Add	*54.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	83.92	12.60
		For SDR 26, Deduct	*-10.76*	
		For SDR 19, Add	*5.28*	
		For SDR 17, Add	*13.05*	
		For SDR 15.5, Add	*19.10*	
		For SDR 13.5, Add	*29.82*	
		For SDR 11, Add	*48.00*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	149.50	15.12
		For SDR 26, Deduct	*-21.86*	
		For SDR 19, Add	*10.73*	
		For SDR 17, Add	*26.50*	
		For SDR 15.5, Add	*38.81*	
		For SDR 13.5, Add	*60.57*	
		For SDR 11, Add	*97.50*	

33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*

33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	67.42	17.73
		For SDR 26, Deduct	*-2.61*	
		For SDR 19, Add	*1.28*	
		For SDR 17, Add	*3.16*	
		For SDR 15.5, Add	*4.63*	
		For SDR 13.5, Add	*7.22*	
		For SDR 11, Add	*11.62*	
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	76.05	19.72
		For SDR 26, Deduct	*-3.11*	
		For SDR 19, Add	*1.52*	
		For SDR 17, Add	*3.76*	
		For SDR 15.5, Add	*5.51*	
		For SDR 13.5, Add	*8.60*	
		For SDR 11, Add	*13.85*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	112.55	22.51
		For SDR 26, Deduct	*-8.26*	
		For SDR 19, Add	*4.05*	
		For SDR 17, Add	*10.01*	
		For SDR 15.5, Add	*14.66*	
		For SDR 13.5, Add	*22.88*	
		For SDR 11, Add	*36.83*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	173.00	26.29
		For SDR 26, Deduct	*-17.26*	
		For SDR 19, Add	*8.48*	
		For SDR 17, Add	*20.92*	
		For SDR 15.5, Add	*30.64*	
		For SDR 13.5, Add	*47.83*	
		For SDR 11, Add	*76.98*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	262.26	35.11
		For SDR 26, Deduct	*-28.81*	
		For SDR 19, Add	*14.15*	
		For SDR 17, Add	*34.93*	
		For SDR 15.5, Add	*51.15*	
		For SDR 13.5, Add	*79.83*	
		For SDR 11, Add	*128.49*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	387.73	52.54
		For SDR 26, Deduct	*-42.19*	
		For SDR 19, Add	*20.72*	
		For SDR 17, Add	*51.14*	
		For SDR 15.5, Add	*74.90*	
		For SDR 13.5, Add	*116.90*	
		For SDR 11, Add	*188.16*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	484.63	70.12
		For SDR 26, Deduct	*-50.29*	
		For SDR 19, Add	*24.69*	
		For SDR 17, Add	*60.97*	
		For SDR 15.5, Add	*89.28*	
		For SDR 13.5, Add	*139.36*	
		For SDR 11, Add	*224.31*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	643.70	105.08
		For SDR 26, Deduct	*-60.23*	
		For SDR 19, Add	*29.57*	
		For SDR 17, Add	*73.01*	
		For SDR 15.5, Add	*106.92*	
		For SDR 13.5, Add	*166.89*	
		For SDR 11, Add	*268.61*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	801.77	118.20
		For SDR 26, Deduct	*-81.96*	
		For SDR 19, Add	*40.24*	
		For SDR 17, Add	*99.35*	
		For SDR 15.5, Add	*145.50*	
		For SDR 13.5, Add	*227.10*	
		For SDR 11, Add	*365.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,079.01	134.16
		For SDR 26, Deduct	*-123.25*	
		For SDR 19, Add	*60.52*	
		For SDR 17, Add	*149.41*	
		For SDR 15.5, Add	*218.80*	
		For SDR 13.5, Add	*341.52*	
		For SDR 11, Add	*549.70*	
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,370.49	157.69
		For SDR 26, Deduct	*-164.54*	
		For SDR 19, Add	*80.79*	
		For SDR 17, Add	*199.46*	
		For SDR 15.5, Add	*292.10*	
		For SDR 13.5, Add	*455.93*	
		For SDR 11, Add	*733.85*	
33 14 13 23-0565		**Tees, High-Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23-0540)*		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	74.15	18.56
		For SDR 26, Deduct	*-3.41*	
		For SDR 19, Add	*1.67*	
		For SDR 17, Add	*4.13*	
		For SDR 15.5, Add	*6.05*	
		For SDR 13.5, Add	*9.44*	
		For SDR 11, Add	*15.20*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	84.88	21.02
		For SDR 26, Deduct	*-4.01*	
		For SDR 19, Add	*1.97*	
		For SDR 17, Add	*4.86*	
		For SDR 15.5, Add	*7.12*	
		For SDR 13.5, Add	*11.11*	
		For SDR 11, Add	*17.89*	
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	129.91	24.25
		For SDR 26, Deduct	*-10.48*	
		For SDR 19, Add	*5.15*	
		For SDR 17, Add	*12.71*	
		For SDR 15.5, Add	*18.61*	
		For SDR 13.5, Add	*29.05*	
		For SDR 11, Add	*46.76*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	231.05	28.67
		For SDR 26, Deduct	*-26.60*	
		For SDR 19, Add	*13.06*	
		For SDR 17, Add	*32.25*	
		For SDR 15.5, Add	*47.22*	
		For SDR 13.5, Add	*73.71*	
		For SDR 11, Add	*118.64*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	317.30	42.08
		For SDR 26, Deduct	*-35.05*	
		For SDR 19, Add	*17.21*	
		For SDR 17, Add	*42.48*	
		For SDR 15.5, Add	*62.21*	
		For SDR 13.5, Add	*97.11*	
		For SDR 11, Add	*156.30*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	450.22	63.13
		For SDR 26, Deduct	*-47.85*	
		For SDR 19, Add	*23.50*	
		For SDR 17, Add	*58.01*	
		For SDR 15.5, Add	*84.95*	
		For SDR 13.5, Add	*132.59*	
		For SDR 11, Add	*213.42*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	543.54	78.84
		For SDR 26, Deduct	*-56.30*	
		For SDR 19, Add	*27.64*	
		For SDR 17, Add	*68.24*	
		For SDR 15.5, Add	*99.94*	
		For SDR 13.5, Add	*155.99*	
		For SDR 11, Add	*251.08*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	719.50	118.20
		For SDR 26, Deduct	*-66.85*	
		For SDR 19, Add	*32.82*	
		For SDR 17, Add	*81.04*	
		For SDR 15.5, Add	*118.68*	
		For SDR 13.5, Add	*185.24*	
		For SDR 11, Add	*298.16*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	919.81	137.71
		For SDR 26, Deduct	*-92.89*	
		For SDR 19, Add	*45.61*	
		For SDR 17, Add	*112.60*	
		For SDR 15.5, Add	*164.90*	
		For SDR 13.5, Add	*257.38*	
		For SDR 11, Add	*414.28*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,274.68	162.65
		For SDR 26, Deduct	*-143.20*	
		For SDR 19, Add	*70.31*	
		For SDR 17, Add	*173.60*	
		For SDR 15.5, Add	*254.22*	
		For SDR 13.5, Add	*396.80*	
		For SDR 11, Add	*638.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,646.79	197.17
		For SDR 26, Deduct	*-193.52*	
		For SDR 19, Add	*95.02*	
		For SDR 17, Add	*234.59*	
		For SDR 15.5, Add	*343.54*	
		For SDR 13.5, Add	*536.22*	
		For SDR 11, Add	*863.08*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated, Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	4" Diameter, 15/64" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	88.39	23.93
		For <100, Add	*9.94*	
		For >1,000, Deduct	*-4.42*	
33 14 13 36-0005	LF	4" Diameter, 21/64" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	108.42	23.93
		For <100, Add	*10.94*	
		For >1,000, Deduct	*-5.42*	
33 14 13 36-0006	LF	6" Diameter, 9/32" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.70	31.82
		For <100, Add	*12.95*	
		For >1,000, Deduct	*-6.64*	
33 14 13 36-0007	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	129.24	31.82
		For <100, Add	*13.70*	
		For >1,000, Deduct	*-6.46*	
33 14 13 36-0008	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	155.04	31.82
		For <100, Add	*14.99*	
		For >1,000, Deduct	*-7.75*	
33 14 13 36-0009	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	154.05	34.71
		For <100, Add	*15.59*	
		For >1,000, Deduct	*-7.70*	
33 14 13 36-0010	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.66	34.71
		For <100, Add	*17.22*	
		For >1,000, Deduct	*-9.33*	
33 14 13 36-0011	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.98	36.37
		For <100, Add	*17.61*	
		For >1,000, Deduct	*-9.35*	
33 14 13 36-0012	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	212.35	36.37
		For <100, Add	*18.88*	
		For >1,000, Deduct	*-10.62*	
33 14 13 36-0013	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	226.88	40.19
		For <100, Add	*20.48*	
		For >1,000, Deduct	*-11.34*	
33 14 13 36-0014	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	247.15	40.19
		For <100, Add	*21.49*	
		For >1,000, Deduct	*-12.36*	
33 14 13 36-0015	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	240.82	42.43
		For <100, Add	*21.68*	
		For >1,000, Deduct	*-12.04*	
33 14 13 36-0016	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	256.47	42.43
		For <100, Add	*22.47*	
		For >1,000, Deduct	*-12.82*	
33 14 13 36-0017	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	298.86	47.73
		For <100, Add	*25.79*	
		For >1,000, Deduct	*-14.94*	
33 14 13 36-0018	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	324.51	47.73
		For <100, Add	*27.07*	
		For >1,000, Deduct	*-16.23*	

33 14 13 36-0019 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0020	LF	6" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	178.55	31.82
		For <100, Add	*15.24*	
		For >1,000, Deduct	*-8.93*	
33 14 13 36-0021	LF	8" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	182.80	31.82
		For <100, Add	*16.37*	
		For >1,000, Deduct	*-9.14*	
33 14 13 36-0022	LF	8" Diameter, 13/32" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	218.48	31.82
		For <100, Add	*18.16*	
		For >1,000, Deduct	*-10.92*	
33 14 13 36-0023	LF	8" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	255.52	31.82
		For <100, Add	*20.01*	
		For >1,000, Deduct	*-12.78*	
33 14 13 36-0024	LF	10" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	218.83	34.71
		For <100, Add	*18.83*	
		For >1,000, Deduct	*-10.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0025	LF	10" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	251.68	34.71
		For <100, Add	*20.47*	
		For >1,000, Deduct	*-12.58*	
33 14 13 36-0026	LF	10" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	314.34	34.71
		For <100, Add	*23.61*	
		For >1,000, Deduct	*-15.72*	
33 14 13 36-0027	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	259.36	63.29
		For <100, Add	*22.91*	
		For >1,000, Deduct	*-12.97*	
33 14 13 36-0028	LF	12" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	297.98	63.29
		For <100, Add	*24.84*	
		For >1,000, Deduct	*-14.90*	
33 14 13 36-0029	LF	12" Diameter, 13/32" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	315.60	63.29
		For <100, Add	*25.73*	
		For >1,000, Deduct	*-15.78*	
33 14 13 36-0030	LF	12" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	371.00	63.29
		For <100, Add	*28.50*	
		For >1,000, Deduct	*-18.55*	
33 14 13 36-0031	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	308.09	69.62
		For <100, Add	*26.40*	
		For >1,000, Deduct	*-15.40*	
33 14 13 36-0032	LF	14" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	355.06	69.62
		For <100, Add	*28.75*	
		For >1,000, Deduct	*-17.75*	
33 14 13 36-0033	LF	14" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	399.90	69.62
		For <100, Add	*30.99*	
		For >1,000, Deduct	*-20.00*	
33 14 13 36-0034	LF	14" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	444.40	69.62
		For <100, Add	*33.21*	
		For >1,000, Deduct	*-22.22*	
33 14 13 36-0035	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	342.44	72.78
		For <100, Add	*28.72*	
		For >1,000, Deduct	*-17.12*	
33 14 13 36-0036	LF	16" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	395.47	72.78
		For <100, Add	*31.38*	
		For >1,000, Deduct	*-19.77*	
33 14 13 36-0037	LF	16" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	448.47	72.78
		For <100, Add	*34.03*	
		For >1,000, Deduct	*-22.42*	
33 14 13 36-0038	LF	16" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	497.13	72.78
		For <100, Add	*36.46*	
		For >1,000, Deduct	*-24.86*	
33 14 13 36-0039	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	386.33	82.27
		For <100, Add	*32.37*	
		For >1,000, Deduct	*-19.32*	
33 14 13 36-0040	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	403.72	82.27
		For <100, Add	*33.24*	
		For >1,000, Deduct	*-20.19*	
33 14 13 36-0041	LF	18" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	456.52	82.27
		For <100, Add	*35.88*	
		For >1,000, Deduct	*-22.83*	
33 14 13 36-0042	LF	18" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	556.76	82.27
		For <100, Add	*40.89*	
		For >1,000, Deduct	*-27.84*	
33 14 13 36-0043	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	419.81	82.27
		For <100, Add	*34.05*	
		For >1,000, Deduct	*-20.99*	
33 14 13 36-0044	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	438.36	82.27
		For <100, Add	*34.97*	
		For >1,000, Deduct	*-21.92*	
33 14 13 36-0045	LF	20" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	496.94	82.27
		For <100, Add	*37.90*	
		For >1,000, Deduct	*-24.85*	
33 14 13 36-0046	LF	20" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	552.37	82.27
		For <100, Add	*40.67*	
		For >1,000, Deduct	*-27.62*	
33 14 13 36-0047	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	508.18	94.94
		For <100, Add	*40.33*	
		For >1,000, Deduct	*-25.41*	
33 14 13 36-0048	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	565.57	94.94
		For <100, Add	*43.20*	
		For >1,000, Deduct	*-28.28*	
33 14 13 36-0049	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	706.45	94.94
		For <100, Add	*50.24*	
		For >1,000, Deduct	*-35.32*	
33 14 13 36-0050	LF	24" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	776.68	94.94
		For <100, Add	*53.75*	
		For >1,000, Deduct	*-38.83*	
33 14 13 36-0051	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	632.01	110.76
		For <100, Add	*49.01*	
		For >1,000, Deduct	*-31.60*	
33 14 13 36-0052	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	655.49	110.76
		For <100, Add	*50.18*	
		For >1,000, Deduct	*-32.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0053	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	876.96	110.76
		For <100, Add	*61.25*	
		For >1,000, Deduct	*-43.85*	
33 14 13 36-0054	LF	30" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	982.00	110.76
		For <100, Add	*66.50*	
		For >1,000, Deduct	*-49.10*	
33 14 13 36-0055	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	753.76	110.76
		For <100, Add	*55.09*	
		For >1,000, Deduct	*-37.69*	
33 14 13 36-0056	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	883.63	132.90
		For <100, Add	*65.07*	
		For >1,000, Deduct	*-44.18*	
33 14 13 36-0057	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,055.39	132.90
		For <100, Add	*73.65*	
		For >1,000, Deduct	*-52.77*	
33 14 13 36-0058	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,012.49	132.90
		For <100, Add	*71.51*	
		For >1,000, Deduct	*-50.62*	
33 14 13 36-0059	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,553.36	148.73
		For <100, Add	*100.87*	
		For >1,000, Deduct	*-77.67*	
33 14 13 36-0060	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	940.85	148.73
		For <100, Add	*70.25*	
		For >1,000, Deduct	*-47.04*	
33 14 13 36-0061	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,781.42	167.72
		For <100, Add	*115.18*	
		For >1,000, Deduct	*-89.07*	
33 14 13 36-0062	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,032.09	167.72
		For <100, Add	*77.71*	
		For >1,000, Deduct	*-51.60*	
33 14 13 36-0063	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,865.70	189.87
		For <100, Add	*123.12*	
		For >1,000, Deduct	*-93.29*	
33 14 13 36-0064	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,061.37	189.87
		For <100, Add	*132.91*	
		For >1,000, Deduct	*-103.07*	
33 14 13 36-0065	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,304.68	221.51
		For <100, Add	*150.04*	
		For >1,000, Deduct	*-115.23*	
33 14 13 36-0066	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,608.98	221.51
		For <100, Add	*115.26*	
		For >1,000, Deduct	*-80.45*	
33 14 13 36-0067	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,776.05	180.72
		For <100, Add	*143.02*	
		For >1,000, Deduct	*-88.80*	
33 14 13 36-0068	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	3,347.18	180.72
		For <100, Add	*221.58*	
		For >1,000, Deduct	*-167.36*	

33 14 13 36-0069 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0070	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	166.50	32.42
		For 7" Length, Add	*10.41*	
33 14 13 36-0071	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	233.43	62.36
		For 7" Length, Add	*10.87*	
33 14 13 36-0072	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	310.53	82.30
		For 7" Length, Add	*14.43*	
33 14 13 36-0073	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	500.86	124.70
		For 7" Length, Add	*25.15*	
33 14 13 36-0074	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	660.92	157.13
		For 7" Length, Add	*34.92*	
33 14 13 36-0075	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	910.09	183.07
		For 7" Length, Add	*54.40*	
33 14 13 36-0076	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,071.76	229.44
		For 7" Length, Add	*61.41*	
33 14 13 36-0077	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,155.56	229.44
		For 10" Length, Add	*40.04*	
33 14 13 36-0078	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,218.30	262.39
		For 10" Length, Add	*41.72*	
33 14 13 36-0079	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,339.35	280.70
		For 10" Length, Add	*46.68*	
33 14 13 36-0080	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,461.67	317.31
		For 10" Length, Add	*51.09*	
33 14 13 36-0081	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,881.05	335.61
		For 10" Length, Add	*72.59*	
33 14 13 36-0082	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,282.04	366.13
		For 10" Length, Add	*92.99*	
33 14 13 36-0083	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,689.05	411.89
		For 10" Length, Add	*111.92*	
33 14 13 36-0084	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,117.49	463.77
		For 10" Length, Add	*132.13*	
33 14 13 36-0085	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,625.33	533.93
		For 10" Length, Add	*153.45*	
33 14 13 36-0086	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,007.59	610.21
		For 10" Length, Add	*167.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0087	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,569.97	762.77
		For 10" Length, Add	*182.67*	
33 14 13 36-0088	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,239.57	927.53
		For 12" Length, Add	*170.45*	
33 14 13 36-0089	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	6,239.69	1,098.38
		For 12" Length, Add	*202.15*	

33 14 13 36-0090 Welded, Plain End, Cement Mortar Lined And Coated, Steel Piping *(33 14 13 36)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0091	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	78.83	23.93
33 14 13 36-0092	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	103.57	23.93
33 14 13 36-0093	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	105.13	31.82
33 14 13 36-0094	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	151.37	31.82
33 14 13 36-0095	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	178.39	31.82
33 14 13 36-0096	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	206.16	31.82
33 14 13 36-0097	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	181.33	34.71
33 14 13 36-0098	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	213.94	34.71
33 14 13 36-0099	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	246.11	34.71
33 14 13 36-0100	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	218.65	36.37
33 14 13 36-0101	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	244.01	36.37
33 14 13 36-0102	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	318.43	36.37
33 14 13 36-0103	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	284.20	40.19
33 14 13 36-0104	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	332.76	40.19
33 14 13 36-0105	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	379.72	40.19
33 14 13 36-0106	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	298.57	42.43
33 14 13 36-0107	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	371.47	42.43
33 14 13 36-0108	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	424.49	42.43
33 14 13 36-0109	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	346.35	47.73
33 14 13 36-0110	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	419.11	47.73
33 14 13 36-0111	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	436.51	47.73
33 14 13 36-0112	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	381.24	50.22
33 14 13 36-0113	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	461.83	50.22
33 14 13 36-0114	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	461.83	50.22
33 14 13 36-0115	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	553.57	53.77
33 14 13 36-0116	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	610.97	53.77
33 14 13 36-0117	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	691.12	63.37
33 14 13 36-0118	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	714.60	63.37

33 14 13 36-0119 Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Piping *(33 14 13 36)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0120	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	79.50	23.93
33 14 13 36-0121	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	104.86	23.93
33 14 13 36-0122	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	106.24	31.82
33 14 13 36-0123	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	153.64	31.82
33 14 13 36-0124	LF	8" Diameter, Schedule 10 (0.148" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	154.61	31.82
33 14 13 36-0125	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	181.06	31.82
33 14 13 36-0126	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	208.30	31.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0127	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	181.62	34.71
33 14 13 36-0128	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	216.91	34.71
33 14 13 36-0129	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	224.34	34.71
33 14 13 36-0130	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	221.95	36.37
33 14 13 36-0131	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	247.94	36.37
33 14 13 36-0132	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	318.81	36.37
33 14 13 36-0133	LF	12" Diameter, Schedule 40 (0.406" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	337.99	36.37
33 14 13 36-0134	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	268.09	40.19
33 14 13 36-0135	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	338.63	40.19
33 14 13 36-0136	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	380.19	40.19
33 14 13 36-0137	LF	14" Diameter, Schedule 40 (0.438" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	427.60	40.19
33 14 13 36-0138	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	303.37	42.43
33 14 13 36-0139	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	378.10	42.43
33 14 13 36-0140	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	425.02	42.43
33 14 13 36-0141	LF	16" Diameter, Schedule 40 (0.500" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	531.23	42.43
33 14 13 36-0142	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	352.02	47.73
33 14 13 36-0143	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	426.60	47.73
33 14 13 36-0144	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	426.60	47.73
33 14 13 36-0145	LF	18" Diameter, Schedule 40 (0.562" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	579.58	47.73
33 14 13 36-0146	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	387.55	50.22
33 14 13 36-0147	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	470.15	50.22
33 14 13 36-0148	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	489.17	50.22
33 14 13 36-0149	LF	20" Diameter, Schedule 40 (0.594" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	699.47	50.22
33 14 13 36-0150	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	563.79	53.77
33 14 13 36-0151	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	622.62	53.77
33 14 13 36-0152	LF	24" Diameter, Schedule 40 (0.687" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	1,020.13	53.77
33 14 13 36-0153	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	704.02	63.37
33 14 13 36-0154	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	728.09	63.37

33 14 13 36-0155 Plain End Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36)*

See CSI section 33 14 13 36-0382 for flanged end fittings.

33 14 13 36-0156 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0155)*

33 14 13 36-0157	EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	416.51	230.35
33 14 13 36-0158	EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	726.19	380.24
33 14 13 36-0159	EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,086.86	534.48
33 14 13 36-0160	EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,427.95	610.73
33 14 13 36-0161	EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,940.98	799.15
33 14 13 36-0162	EA	14" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,421.24	944.56
33 14 13 36-0163	EA	16" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,022.15	1,103.00
33 14 13 36-0164	EA	18" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,606.96	1,230.01
33 14 13 36-0165	EA	20" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,625.19	1,379.10
33 14 13 36-0166	EA	24" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	5,502.54	1,425.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0167		**45 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0168	EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	401.41	230.35
33 14 13 36-0169	EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	689.07	380.24
33 14 13 36-0170	EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,017.98	534.48
33 14 13 36-0171	EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,301.48	610.73
33 14 13 36-0172	EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,757.60	799.15
33 14 13 36-0173	EA	14" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,173.03	944.56
33 14 13 36-0174	EA	16" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,682.40	1,103.00
33 14 13 36-0175	EA	18" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,169.68	1,230.01
33 14 13 36-0176	EA	20" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,982.48	1,379.10
33 14 13 36-0177	EA	24" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,662.59	1,425.12
33 14 13 36-0178		**22.5 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0179	EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	397.33	230.35
33 14 13 36-0180	EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	679.03	380.24
33 14 13 36-0181	EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	994.67	534.48
33 14 13 36-0182	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,261.81	610.73
33 14 13 36-0183	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,700.06	799.15
33 14 13 36-0184	EA	14" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,094.75	944.56
33 14 13 36-0185	EA	16" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,575.73	1,103.00
33 14 13 36-0186	EA	18" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,032.36	1,230.01
33 14 13 36-0187	EA	20" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,783.24	1,379.10
33 14 13 36-0188	EA	24" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,371.99	1,425.12
33 14 13 36-0189		**11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0190	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	399.78	230.35
33 14 13 36-0191	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	685.05	380.24
33 14 13 36-0192	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,005.85	534.48
33 14 13 36-0193	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,282.34	610.73
33 14 13 36-0194	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,729.83	799.15
33 14 13 36-0195		**Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0196	EA	4"x4"x4" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	644.58	345.53
33 14 13 36-0197	EA	6"x6"x6" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,071.95	570.23
33 14 13 36-0198	EA	8"x8"x8" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,598.34	801.64
33 14 13 36-0199	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,028.12	916.17
33 14 13 36-0200	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,784.06	1,198.71
33 14 13 36-0201	EA	14"x14"x14" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,688.15	1,416.97
33 14 13 36-0202	EA	16"x16"x16" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,382.66	1,654.56
33 14 13 36-0203	EA	18"x18"x18" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	5,811.78	1,845.00
33 14 13 36-0204	EA	20"x20"x20" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	7,737.72	2,068.73
33 14 13 36-0205	EA	24"x24"x24" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	8,917.80	2,137.62
33 14 13 36-0206	EA	30"x30"x30" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	12,593.74	2,516.95
33 14 13 36-0207		**Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0208	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	629.76	380.24
33 14 13 36-0209	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	896.32	534.48
33 14 13 36-0210	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	880.86	534.48
33 14 13 36-0211	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,058.47	610.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0212	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,614.93	799.15
33 14 13 36-0213	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,409.22	799.15
33 14 13 36-0214	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,402.20	799.15
33 14 13 36-0215	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,382.82	799.15
33 14 13 36-0216		**Reducing Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0155)*		
33 14 13 36-0217	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,072.77	570.23
33 14 13 36-0218	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,599.92	801.64
33 14 13 36-0219	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	2,030.80	916.17
33 14 13 36-0220	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	2,788.10	1,198.71
33 14 13 36-0221		**Welded Neck Flanges, Steel, Class 150** *(33 14 13 36-0155)*		
33 14 13 36-0222	EA	4" Weld Neck Flange, Steel, Class 150	337.50	186.57
33 14 13 36-0223	EA	6" Weld Neck Flange, Steel, Class 150	513.00	282.95
33 14 13 36-0224	EA	8" Weld Neck Flange, Steel, Class 150	601.11	308.19
33 14 13 36-0225	EA	10" Weld Neck Flange, Steel, Class 150	782.73	386.42
33 14 13 36-0226	EA	12" Weld Neck Flange, Steel, Class 150	953.86	438.49
33 14 13 36-0227	EA	14" Weld Neck Flange, Steel, Class 150	1,245.06	530.26
33 14 13 36-0228	EA	16" Weld Neck Flange, Steel, Class 150	1,627.06	616.25
33 14 13 36-0229	EA	18" Weld Neck Flange, Steel, Class 150	2,012.07	690.93
33 14 13 36-0230	EA	20" Weld Neck Flange, Steel, Class 150	2,551.15	876.98
33 14 13 36-0231	EA	24" Weld Neck Flange, Steel, Class 150	2,892.45	950.08
33 14 13 36-0232		**Welded Neck Flanges, Steel, Class 300** *(33 14 13 36-0155)*		
33 14 13 36-0233	EA	4" Weld Neck Flange, Steel, Class 300	377.92	186.57
33 14 13 36-0234	EA	6" Weld Neck Flange, Steel, Class 300	575.20	282.95
33 14 13 36-0235	EA	8" Weld Neck Flange, Steel, Class 300	698.52	308.19
33 14 13 36-0236	EA	10" Weld Neck Flange, Steel, Class 300	925.05	386.42
33 14 13 36-0237	EA	12" Weld Neck Flange, Steel, Class 300	1,161.38	438.49
33 14 13 36-0238	EA	14" Weld Neck Flange, Steel, Class 300	1,560.09	530.26
33 14 13 36-0239	EA	16" Weld Neck Flange, Steel, Class 300	2,119.25	616.25
33 14 13 36-0240	EA	18" Weld Neck Flange, Steel, Class 300	2,695.37	690.93
33 14 13 36-0241	EA	20" Weld Neck Flange, Steel, Class 300	3,416.59	876.98
33 14 13 36-0242	EA	24" Weld Neck Flange, Steel, Class 300	3,920.13	950.08
33 14 13 36-0243		**Slip-on Flanges, Steel, Class 150** *(33 14 13 36-0155)*		
33 14 13 36-0244	EA	4" Slip-on Flange, Steel, Class 150	214.21	115.18
33 14 13 36-0245	EA	6" Slip-on Flange, Steel, Class 150	349.04	190.12
33 14 13 36-0246	EA	8" Slip-on Flange, Steel, Class 150	497.97	267.17
33 14 13 36-0247	EA	10" Slip-on Flange, Steel, Class 150	625.88	305.43
33 14 13 36-0248	EA	12" Slip-on Flange, Steel, Class 150	864.19	399.57
33 14 13 36-0249	EA	14" Slip-on Flange, Steel, Class 150	1,095.57	472.28
33 14 13 36-0250	EA	16" Slip-on Flange, Steel, Class 150	1,348.49	551.56
33 14 13 36-0251	EA	18" Slip-on Flange, Steel, Class 150	1,506.80	614.93
33 14 13 36-0252	EA	20" Slip-on Flange, Steel, Class 150	1,698.62	689.62
33 14 13 36-0253	EA	24" Slip-on Flange, Steel, Class 150	1,815.23	712.50
33 14 13 36-0254	EA	30" Slip-on Flange, Steel, Class 150	2,378.30	838.99
33 14 13 36-0255		**Slip-on Flanges, Steel, Class 300** *(33 14 13 36-0155)*		
33 14 13 36-0256	EA	4" Slip-on Flange, Steel, Class 300	245.39	115.18
33 14 13 36-0257	EA	6" Slip-on Flange, Steel, Class 300	397.03	190.12
33 14 13 36-0258	EA	8" Slip-on Flange, Steel, Class 300	570.98	267.17
33 14 13 36-0259	EA	10" Slip-on Flange, Steel, Class 300	751.93	305.43
33 14 13 36-0260	EA	12" Slip-on Flange, Steel, Class 300	1,063.07	399.57
33 14 13 36-0261	EA	14" Slip-on Flange, Steel, Class 300	1,386.13	472.28
33 14 13 36-0262	EA	16" Slip-on Flange, Steel, Class 300	1,739.70	551.56
33 14 13 36-0263	EA	18" Slip-on Flange, Steel, Class 300	1,945.44	614.93
33 14 13 36-0264	EA	20" Slip-on Flange, Steel, Class 300	2,197.20	689.62
33 14 13 36-0265	EA	24" Slip-on Flange, Steel, Class 300	2,375.43	712.50
33 14 13 36-0266	EA	30" Slip-on Flange, Steel, Class 300	3,274.63	838.99
33 14 13 36-0267		**Blind Flanges, Steel, Class 150** *(33 14 13 36-0155)*		
33 14 13 36-0268	EA	4" Blind Flange, Steel, Class 150	231.70	115.18
33 14 13 36-0269	EA	6" Blind Flange, Steel, Class 150	374.56	190.12
33 14 13 36-0270	EA	8" Blind Flange, Steel, Class 150	542.61	267.17
33 14 13 36-0271	EA	10" Blind Flange, Steel, Class 150	735.10	305.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0272	EA	12" Blind Flange, Steel, Class 150	991.48	399.57
33 14 13 36-0273	EA	14" Blind Flange, Steel, Class 150	1,516.20	472.28
33 14 13 36-0274	EA	16" Blind Flange, Steel, Class 150	1,678.60	551.56
33 14 13 36-0275	EA	18" Blind Flange, Steel, Class 150	1,847.03	614.93
33 14 13 36-0276	EA	20" Blind Flange, Steel, Class 150	2,300.44	689.62
33 14 13 36-0277	EA	24" Blind Flange, Steel, Class 150	2,881.64	712.50
33 14 13 36-0278	EA	30" Blind Flange, Steel, Class 150	4,086.71	838.99
33 14 13 36-0279		**Blind Flanges, Steel, Class 300** *(33 14 13 36-0155)*		
33 14 13 36-0280	EA	4" Blind Flange, Steel, Class 300	276.00	115.18
33 14 13 36-0281	EA	6" Blind Flange, Steel, Class 300	441.70	190.12
33 14 13 36-0282	EA	8" Blind Flange, Steel, Class 300	649.10	267.17
33 14 13 36-0283	EA	10" Blind Flange, Steel, Class 300	943.06	305.43
33 14 13 36-0284	EA	12" Blind Flange, Steel, Class 300	1,285.82	399.57
33 14 13 36-0285	EA	14" Blind Flange, Steel, Class 300	2,122.23	472.28
33 14 13 36-0286	EA	16" Blind Flange, Steel, Class 300	2,317.40	551.56
33 14 13 36-0287	EA	18" Blind Flange, Steel, Class 300	2,540.85	614.93
33 14 13 36-0288	EA	20" Blind Flange, Steel, Class 300	3,250.39	689.62
33 14 13 36-0289	EA	24" Blind Flange, Steel, Class 300	4,241.65	712.50
33 14 13 36-0290	EA	30" Blind Flange, Steel, Class 300	6,208.33	838.99
33 14 13 36-0291		**Screw Flanges, Steel, Class 150** *(33 14 13 36-0155)*		
33 14 13 36-0292	EA	4" Diameter, Screw Flange, Steel, Class 150	224.60	115.18
33 14 13 36-0293	EA	6" Diameter, Screw Flange, Steel, Class 150	365.02	190.12
33 14 13 36-0294	EA	8" Diameter, Screw Flange, Steel, Class 150	525.86	267.17
33 14 13 36-0295	EA	10" Diameter, Screw Flange, Steel, Class 150	640.81	305.43
33 14 13 36-0296	EA	12" Diameter, Screw Flange, Steel, Class 150	865.84	399.57
33 14 13 36-0297		**Screw Flanges, Steel, Class 300** *(33 14 13 36-0155)*		
33 14 13 36-0298	EA	4" Diameter, Screw Flange, Steel, Class 300	268.49	115.18
33 14 13 36-0299	EA	6" Diameter, Screw Flange, Steel, Class 300	432.55	190.12
33 14 13 36-0300	EA	8" Diameter, Screw Flange, Steel, Class 300	631.61	267.17
33 14 13 36-0301	EA	10" Diameter, Screw Flange, Steel, Class 300	795.33	305.43
33 14 13 36-0302	EA	12" Diameter, Screw Flange, Steel, Class 300	1,091.15	399.57
33 14 13 36-0303		**Steel Flange Gaskets** *(33 14 13 36-0155)*		
33 14 13 36-0304		**1/16" Thick Cloth-Inserted Rubber Flange Gasket, Class 150 (Tripac)** *(33 14 13 36-0303)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0305	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	4.72	
33 14 13 36-0306	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	7.41	
33 14 13 36-0307	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	9.89	
33 14 13 36-0308	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	15.26	
33 14 13 36-0309	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	19.93	
33 14 13 36-0310	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	22.87	
33 14 13 36-0311	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	28.48	
33 14 13 36-0312	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	32.36	
33 14 13 36-0313	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	41.80	
33 14 13 36-0314	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	51.35	
33 14 13 36-0315	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	77.94	
33 14 13 36-0316		**1/8" Thick Cloth-Inserted Rubber Flange Gasket, Class 250 (Tripac)** *(33 14 13 36-0303)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0317	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	14.46	
33 14 13 36-0318	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	27.04	
33 14 13 36-0319	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	38.32	
33 14 13 36-0320	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	48.76	
33 14 13 36-0321	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	59.00	
33 14 13 36-0322	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	73.32	
33 14 13 36-0323	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	87.09	
33 14 13 36-0324	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	120.09	
33 14 13 36-0325	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	135.06	
33 14 13 36-0326	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	187.70	
33 14 13 36-0327	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	331.40	
33 14 13 36-0328		**1/8" Thick Insulating Gasket Type E (PSI)** *(33 14 13 36-0303)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0329	EA	1" Insulating Gasket Type E, 1/8" Thick (PSI)	7.78	
33 14 13 36-0330	EA	1-1/4" Insulating Gasket Type E, 1/8" Thick (PSI)	8.61	
33 14 13 36-0331	EA	1-1/2" Insulating Gasket Type E, 1/8" Thick (PSI)	9.64	
33 14 13 36-0332	EA	2" Insulating Gasket Type E, 1/8" Thick (PSI)	16.03	
33 14 13 36-0333	EA	2-1/2" Insulating Gasket Type E, 1/8" Thick (PSI)	16.03	
33 14 13 36-0334	EA	3" Insulating Gasket Type E, 1/8" Thick (PSI)	16.50	
33 14 13 36-0335	EA	4" Insulating Gasket Type E, 1/8" Thick (PSI)	21.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0336	EA	6" Insulating Gasket Type E, 1/8" Thick (PSI)	28.00	
33 14 13 36-0337	EA	8" Insulating Gasket Type E, 1/8" Thick (PSI)	39.59	
33 14 13 36-0338	EA	10" Insulating Gasket Type E, 1/8" Thick (PSI)	52.16	
33 14 13 36-0339	EA	12" Insulating Gasket Type E, 1/8" Thick (PSI)	71.91	

33 14 13 36-0340 Steel Flange Bolt Packs *(33 14 13 36-0155)*

33 14 13 36-0341 Class 150, Steel Flange Bolt Packs *(33 14 13 36-0340)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

33 14 13 36-0342	EA	1" Pipe Diameter, Class 150, Steel Flange Bolt Pack	13.41	
		For Zinc Plated, Add	*3.75*	
		For Hot Dip Galvanized, Add	*5.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.39*	
33 14 13 36-0343	EA	1-1/4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	15.04	
		For Zinc Plated, Add	*4.21*	
		For Hot Dip Galvanized, Add	*6.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.53*	
33 14 13 36-0344	EA	1-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	15.04	
		For Zinc Plated, Add	*4.21*	
		For Hot Dip Galvanized, Add	*6.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.53*	
33 14 13 36-0345	EA	2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.38	
		For Zinc Plated, Add	*5.43*	
		For Hot Dip Galvanized, Add	*7.75*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.57*	
33 14 13 36-0346	EA	2-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0347	EA	3" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0348	EA	4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	45.55	
		For Zinc Plated, Add	*12.75*	
		For Hot Dip Galvanized, Add	*18.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*31.89*	
33 14 13 36-0349	EA	5" Pipe Diameter, Class 150, Steel Flange Bolt Pack	65.26	
		For Zinc Plated, Add	*18.27*	
		For Hot Dip Galvanized, Add	*26.10*	
		For Advanced Fluoropolymer (Blue Coating), Add	*45.68*	
33 14 13 36-0350	EA	6" Pipe Diameter, Class 150, Steel Flange Bolt Pack	70.28	
		For Zinc Plated, Add	*19.68*	
		For Hot Dip Galvanized, Add	*28.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.20*	
33 14 13 36-0351	EA	8" Pipe Diameter, Class 150, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0352	EA	10" Pipe Diameter, Class 150, Steel Flange Bolt Pack	171.43	
		For Zinc Plated, Add	*48.00*	
		For Hot Dip Galvanized, Add	*68.57*	
		For Advanced Fluoropolymer (Blue Coating), Add	*120.00*	
33 14 13 36-0353	EA	12" Pipe Diameter, Class 150, Steel Flange Bolt Pack	172.93	
		For Zinc Plated, Add	*48.42*	
		For Hot Dip Galvanized, Add	*69.17*	
		For Advanced Fluoropolymer (Blue Coating), Add	*121.05*	
33 14 13 36-0354	EA	14" Pipe Diameter, Class 150, Steel Flange Bolt Pack	193.75	
		For Zinc Plated, Add	*54.25*	
		For Hot Dip Galvanized, Add	*77.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*135.63*	
33 14 13 36-0355	EA	16" Pipe Diameter, Class 150, Steel Flange Bolt Pack	325.71	
		For Zinc Plated, Add	*91.20*	
		For Hot Dip Galvanized, Add	*130.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*228.00*	
33 14 13 36-0356	EA	18" Pipe Diameter, Class 150, Steel Flange Bolt Pack	473.18	
		For Zinc Plated, Add	*132.49*	
		For Hot Dip Galvanized, Add	*189.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*331.23*	
33 14 13 36-0357	EA	20" Pipe Diameter, Class 150, Steel Flange Bolt Pack	597.45	
		For Zinc Plated, Add	*167.29*	
		For Hot Dip Galvanized, Add	*238.98*	
		For Advanced Fluoropolymer (Blue Coating), Add	*418.22*	
33 14 13 36-0358	EA	22" Pipe Diameter, Class 150, Steel Flange Bolt Pack	854.84	
		For Zinc Plated, Add	*239.36*	
		For Hot Dip Galvanized, Add	*341.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*598.39*	
33 14 13 36-0359	EA	24" Pipe Diameter, Class 150, Steel Flange Bolt Pack	854.84	
		For Zinc Plated, Add	*239.36*	
		For Hot Dip Galvanized, Add	*341.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*598.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0360	EA	30" Pipe Diameter, Class 150, Steel Flange Bolt Pack	1,350.78	
		For Zinc Plated, Add	*378.22*	
		For Hot Dip Galvanized, Add	*540.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*945.55*	
33 14 13 36-0361	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt Set	1,926.91	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*539.53*	
		For Hot Dip Galvanized, Add	*770.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,348.84*	

33 14 13 36-0362 Class 300, Steel Flange Bolt Packs *(33 14 13 36-0340)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

33 14 13 36-0363	EA	1" Pipe Diameter, Class 300, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0364	EA	1-1/4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0365	EA	1-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	21.83	
		For Zinc Plated, Add	*6.11*	
		For Hot Dip Galvanized, Add	*8.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.28*	
33 14 13 36-0366	EA	2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	43.66	
		For Zinc Plated, Add	*12.22*	
		For Hot Dip Galvanized, Add	*17.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*30.56*	
33 14 13 36-0367	EA	2-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	70.28	
		For Zinc Plated, Add	*19.68*	
		For Hot Dip Galvanized, Add	*28.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.20*	
33 14 13 36-0368	EA	3" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0369	EA	3-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0370	EA	4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	77.70	
		For Zinc Plated, Add	*21.76*	
		For Hot Dip Galvanized, Add	*31.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*54.39*	
33 14 13 36-0371	EA	5" Pipe Diameter, Class 300, Steel Flange Bolt Pack	78.96	
		For Zinc Plated, Add	*22.11*	
		For Hot Dip Galvanized, Add	*31.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*55.27*	
33 14 13 36-0372	EA	6" Pipe Diameter, Class 300, Steel Flange Bolt Pack	118.44	
		For Zinc Plated, Add	*33.16*	
		For Hot Dip Galvanized, Add	*47.38*	
		For Advanced Fluoropolymer (Blue Coating), Add	*82.91*	
33 14 13 36-0373	EA	8" Pipe Diameter, Class 300, Steel Flange Bolt Pack	185.19	
		For Zinc Plated, Add	*51.85*	
		For Hot Dip Galvanized, Add	*74.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*129.63*	
33 14 13 36-0374	EA	10" Pipe Diameter, Class 300, Steel Flange Bolt Pack	347.34	
		For Zinc Plated, Add	*97.26*	
		For Hot Dip Galvanized, Add	*138.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*243.14*	
33 14 13 36-0375	EA	12" Pipe Diameter, Class 300, Steel Flange Bolt Pack	505.61	
		For Zinc Plated, Add	*141.57*	
		For Hot Dip Galvanized, Add	*202.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*353.93*	
33 14 13 36-0376	EA	14" Pipe Diameter, Class 300, Steel Flange Bolt Pack	694.87	
		For Zinc Plated, Add	*194.56*	
		For Hot Dip Galvanized, Add	*277.95*	
		For Advanced Fluoropolymer (Blue Coating), Add	*486.41*	
33 14 13 36-0377	EA	16" Pipe Diameter, Class 300, Steel Flange Bolt Pack	964.84	
		For Zinc Plated, Add	*270.16*	
		For Hot Dip Galvanized, Add	*385.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*675.39*	
33 14 13 36-0378	EA	18" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,235.87	
		For Zinc Plated, Add	*346.04*	
		For Hot Dip Galvanized, Add	*494.35*	
		For Advanced Fluoropolymer (Blue Coating), Add	*865.11*	
33 14 13 36-0379	EA	20" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,308.66	
		For Zinc Plated, Add	*366.42*	
		For Hot Dip Galvanized, Add	*523.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*916.06*	
33 14 13 36-0380	EA	24" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,652.61	
		For Zinc Plated, Add	*462.73*	
		For Hot Dip Galvanized, Add	*661.04*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,156.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0381	EA	30" Pipe Diameter, Class 300, Steel Flange Bolt Pack	2,580.99	
		For Zinc Plated, Add	*722.68*	
		For Hot Dip Galvanized, Add	*1,032.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,806.69*	

33 14 13 36-0382 Flanged Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36)*

See CSI section 33 14 13 36-0303 for full face gaskets, 33 14 13 36-0341 for bolt pack.

33 14 13 36-0383 Flanged 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0384	EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	532.01	230.35
		For Class 300, Add	*139.02*	
33 14 13 36-0385	EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	903.90	380.24
		For Class 300, Add	*248.78*	
33 14 13 36-0386	EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,365.17	534.48
		For Class 300, Add	*420.12*	
33 14 13 36-0387	EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,834.59	610.73
		For Class 300, Add	*684.63*	
33 14 13 36-0388	EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,533.90	799.15
		For Class 300, Add	*995.20*	
33 14 13 36-0389	EA	14" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,310.22	944.56
		For Class 300, Add	*1,411.06*	
33 14 13 36-0390	EA	16" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,413.69	1,103.00
		For Class 300, Add	*2,056.24*	
33 14 13 36-0391	EA	18" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,535.50	1,230.01
		For Class 300, Add	*2,750.15*	
33 14 13 36-0392	EA	20" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,067.25	1,379.10
		For Class 300, Add	*3,724.68*	
33 14 13 36-0393	EA	24" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	8,375.45	1,425.12
		For Class 300, Add	*4,647.97*	

33 14 13 36-0394 Flanged 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0395	EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	516.91	230.35
		For Class 300, Add	*127.77*	
33 14 13 36-0396	EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	866.78	380.24
		For Class 300, Add	*221.12*	
33 14 13 36-0397	EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,296.28	534.48
		For Class 300, Add	*368.80*	
33 14 13 36-0398	EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,708.12	610.73
		For Class 300, Add	*590.41*	
33 14 13 36-0399	EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,350.51	799.15
		For Class 300, Add	*858.58*	
33 14 13 36-0400	EA	14" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,062.00	944.56
		For Class 300, Add	*1,226.14*	
33 14 13 36-0401	EA	16" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,073.94	1,103.00
		For Class 300, Add	*1,803.12*	
33 14 13 36-0402	EA	18" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,098.22	1,230.01
		For Class 300, Add	*2,424.38*	
33 14 13 36-0403	EA	20" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	6,424.54	1,379.10
		For Class 300, Add	*3,245.86*	
33 14 13 36-0404	EA	24" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,535.50	1,425.12
		For Class 300, Add	*4,022.20*	

33 14 13 36-0405 Flanged 22.5 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0406	EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	512.83	230.35
		For Class 300, Add	*124.74*	
33 14 13 36-0407	EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	856.74	380.24
		For Class 300, Add	*213.64*	
33 14 13 36-0408	EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,272.98	534.48
		For Class 300, Add	*351.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0409	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,668.45	610.73
		For Class 300, Add	*560.85*	
33 14 13 36-0410	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,292.97	799.15
		For Class 300, Add	*815.71*	
33 14 13 36-0411	EA	14" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,927.68	944.56
		For Class 300, Add	*1,126.07*	
33 14 13 36-0412	EA	16" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,982.01	1,103.00
		For Class 300, Add	*1,734.64*	
33 14 13 36-0413	EA	18" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,979.90	1,230.01
		For Class 300, Add	*2,336.23*	
33 14 13 36-0414	EA	20" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	6,250.64	1,379.10
		For Class 300, Add	*3,116.31*	
33 14 13 36-0415	EA	24" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,308.23	1,425.12
		For Class 300, Add	*3,852.89*	

33 14 13 36-0416 Flanged 11.25 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0417	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	515.28	230.35
		For Class 300, Add	*126.56*	
33 14 13 36-0418	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	862.77	380.24
		For Class 300, Add	*218.14*	
33 14 13 36-0419	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,284.16	534.48
		For Class 300, Add	*359.77*	
33 14 13 36-0420	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,688.98	610.73
		For Class 300, Add	*576.15*	
33 14 13 36-0421	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,322.75	799.15
		For Class 300, Add	*837.89*	

33 14 13 36-0422 Flanged Tees, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0423	EA	4"x4"x4", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	817.83	345.53
		For Class 300, Add	*223.35*	
33 14 13 36-0424	EA	6"x6"x6", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,338.52	570.23
		For Class 300, Add	*360.21*	
33 14 13 36-0425	EA	8"x8"x8", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,015.80	801.64
		For Class 300, Add	*606.38*	
33 14 13 36-0426	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,638.08	916.17
		For Class 300, Add	*942.15*	
33 14 13 36-0427	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,673.43	1,198.71
		For Class 300, Add	*1,397.87*	
33 14 13 36-0428	EA	14"x14"x14" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,588.25	1,416.97
33 14 13 36-0429	EA	16"x16"x16" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,788.93	1,654.56
33 14 13 36-0430	EA	18"x18"x18" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,764.07	1,845.00
33 14 13 36-0431	EA	20"x20"x20" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	10,210.41	2,068.73
33 14 13 36-0432	EA	24"x24"x24" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	11,854.04	2,137.62

33 14 13 36-0433 Flanged Reducing Tees, Standard Wall Thickness, Steel *(33 14 13 36-0382)*

33 14 13 36-0434	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,308.24	570.23
		For Class 300, Add	*337.65*	
33 14 13 36-0435	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,967.09	801.64
		For Class 300, Add	*570.09*	
33 14 13 36-0436	EA	10"x10"x8" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,576.59	916.17
		For Class 300, Add	*896.34*	
33 14 13 36-0437	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,469.88	1,198.71
		For Class 300, Add	*1,246.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0438		**Flanged Eccentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0382)*		
33 14 13 36-0439	EA	6" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	799.74	380.24
		For Class 300, Add	*171.18*	
33 14 13 36-0440	EA	8" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,174.11	534.48
		For Class 300, Add	*277.78*	
33 14 13 36-0441	EA	8" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,137.16	534.48
		For Class 300, Add	*250.25*	
33 14 13 36-0442	EA	10" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,403.96	610.73
		For Class 300, Add	*363.81*	
33 14 13 36-0443	EA	12" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,772.97	799.15
		For Class 300, Add	*428.31*	
33 14 13 36-0444	EA	12" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,063.98	799.15
		For Class 300, Add	*645.11*	
33 14 13 36-0445	EA	12" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,952.68	799.15
		For Class 300, Add	*562.19*	
33 14 13 36-0446	EA	12" x 10", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,921.25	799.15
		For Class 300, Add	*538.78*	
33 14 13 36-0447		**Flanged Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0382)*		
33 14 13 36-0448	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	776.37	380.24
		For Class 300, Add	*153.77*	
33 14 13 36-0449	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,093.23	534.48
		For Class 300, Add	*217.53*	
33 14 13 36-0450	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,108.87	534.48
		For Class 300, Add	*229.18*	
33 14 13 36-0451	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,400.94	610.73
		For Class 300, Add	*361.56*	
33 14 13 36-0452	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,969.14	799.15
		For Class 300, Add	*574.45*	
33 14 13 36-0453	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,794.53	799.15
		For Class 300, Add	*444.37*	
33 14 13 36-0454	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,837.81	799.15
		For Class 300, Add	*476.61*	
33 14 13 36-0455	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,882.60	799.15
		For Class 300, Add	*509.98*	
33 14 13 36-0456	EA	14" x 12", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,430.32	949.69
		For Class 300, Add	*749.43*	
33 14 13 36-0457	EA	16" x 14", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,169.81	1,068.29
33 14 13 36-0458	EA	18" x 16", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,965.77	1,220.94
33 14 13 36-0459	EA	20" x 18", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,010.96	1,378.45
		For Class 300, Add	*2,192.77*	
33 14 13 36-0460	EA	24" x 20", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,674.02	1,424.46
		For Class 300, Add	*2,635.40*	
33 14 13 36-0461		**Flanged Crosses, Standard Wall Thickness, Steel** *(33 14 13 36-0382)*		
33 14 13 36-0462	EA	8" x 8" x 8" x 8", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	2,726.80	1,065.00
		For Class 300, Add	*840.35*	
33 14 13 36-0463	EA	12" x 12" x 12" x 12", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	5,014.37	1,596.18
		For Class 300, Add	*1,950.99*	
33 14 13 39		**Copper Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 39-0001		**Type L Copper Water Distribution Piping** *(33 14 13 39)*		
33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	9.19	2.29
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	11.82	2.57
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	15.74	2.87
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	19.84	3.44
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	24.58	4.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	36.36	5.72
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	45.61	6.87
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	57.69	7.55
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	77.37	9.50
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	102.41	12.02
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	167.11	14.99
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	216.46	18.09
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	378.06	20.26
33 14 13 39-0015		**Type K Copper Water Distribution Piping** *(33 14 13 39)*		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	9.86	2.29
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	14.18	2.57
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	18.08	2.87
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	21.28	3.44
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	26.72	4.58
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	39.24	5.72
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	53.60	6.87
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	69.66	7.55
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	91.44	9.50
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	123.77	12.02
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	211.30	14.99
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	295.92	18.09
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	524.70	20.26
33 14 13 39-0029		**Copper Flare x Female Copper Flare Service Fitting Coupling** *(33 14 13 39)* Note: Mueller H-15405		
33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	41.73	
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	58.43	
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	133.56	
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	170.03	
33 14 13 39-0034		**Copper Flare x Female Iron Pipe Service Fitting Coupling** *(33 14 13 39)* Note: Mueller H-15450		
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	46.57	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	41.89	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	57.05	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	82.69	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	105.74	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	165.16	
33 14 13 39-0041		**Copper Flare x Male Iron Pipe Service Fitting Coupling** *(33 14 13 39)* Note: Mueller H-15425		
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	40.91	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	41.99	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	55.83	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	82.69	
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	110.15	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	170.62	
33 14 13 39-0048		**Brass Fittings** *(33 14 13 39)*		
33 14 13 39-0049		**Brass Compression Reducer Coupling** *(33 14 13 39-0048)*		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	55.82	18.28
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	44.51	18.28
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	92.62	27.76
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	114.78	35.21
33 14 13 39-0054		**Copper Compression x Male NPT Brass Coupling** *(33 14 13 39-0048)* Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	58.22	20.31
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	66.62	23.70
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	68.25	23.70
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	66.89	23.70
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	90.64	27.08
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	88.16	27.08
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	119.92	33.86
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	157.35	40.63
33 14 13 39-0063		**Brass Nipples** *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.93	8.46
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	50.34	9.14
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.99	9.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0067		Brass "H" Style Meter Insetters *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	292.88	37.41
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	189.08	37.41
33 14 13 39-0070		Meter Setters - Resetter, Brass *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.	770.09	37.41
33 14 13 43		**Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)*		
33 14 13 43-0001		Pipe Coatings *(33 14 13 43)*		
33 14 13 43-0002		Epoxy Wrap And Pipe Coating *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.12	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.71	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.38	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.82	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.64	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.98	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.52	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	8.76	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	11.51	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	18.18	
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	39.18	
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	44.78	
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	50.38	
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	55.98	
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	61.58	
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	67.15	
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	72.77	
33 14 13 43-0020		Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)* Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF	4" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	9.11	
33 14 13 43-0022	LF	6" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	11.21	
33 14 13 43-0023	LF	8" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	14.01	
33 14 13 43-0024	LF	10" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	15.61	
33 14 13 43-0025	LF	12" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	17.62	
33 14 13 43-0026	LF	14" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	20.63	
33 14 13 43-0027	LF	16" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	23.43	
33 14 13 43-0028	LF	18" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	26.43	
33 14 13 43-0029	LF	20" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	29.38	
33 14 13 43-0030	LF	24" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	35.25	
33 14 13 43-0031	LF	30" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	44.06	
33 14 13 43-0032	LF	36" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	52.87	
33 14 13 43-0033	LF	42" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	61.68	
33 14 13 43-0034	LF	48" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	70.49	
33 14 13 43-0035	LF	54" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	79.30	
33 14 13 43-0036	LF	60" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	88.11	
33 14 13 43-0037	LF	66" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	96.93	
33 14 13 43-0038	LF	72" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	105.74	
33 14 13 43-0039	LF	78" Outside Diameter, Fiberglass Or Wire Mesh Reinforcing, 1" To 2" Cement Pipe Coating Note: Reinforcing applied at fabrication shop.	114.55	
33 14 13 43-0040		Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	11.12	
		For 1/2" Thick, Add	*0.49*	
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.97	
		For 1/2" Thick, Add	*0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	20.34	
		For 1/2" Thick, Add	*0.81*	
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	34.16	
		For 1/2" Thick, Add	*1.19*	
33 14 13 43-0045	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	52.18	
		For 1/2" Thick, Add	*1.75*	
33 14 13 43-0046	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	81.77	
		For 1/2" Thick, Add	*2.68*	
33 14 13 43-0047	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	125.81	
		For 1/2" Thick, Add	*3.45*	
33 14 13 43-0048	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	170.74	
		For 1/2" Thick, Add	*3.56*	
33 14 13 43-0049	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	233.01	
		For 1/2" Thick, Add	*4.26*	
33 14 13 43-0050	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	338.98	
		For 1/2" Thick, Add	*5.96*	

33 14 13 43-0051 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0052 Cement Pipe Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0053	LF	4" Diameter, 1/4" Thick Cement Pipe Lining	14.76	
		For 1/2" Thick, Add	*1.21*	
33 14 13 43-0054	LF	6" Diameter, 1/4" Thick Cement Pipe Lining	18.32	
		For 1/2" Thick, Add	*1.49*	
33 14 13 43-0055	LF	8" Diameter, 1/4" Thick Cement Pipe Lining	22.36	
		For 1/2" Thick, Add	*1.87*	
33 14 13 43-0056	LF	10" Diameter, 1/4" Thick Cement Pipe Lining	29.04	
		For 1/2" Thick, Add	*2.33*	
33 14 13 43-0057	LF	12" Diameter, 1/4" Thick Cement Pipe Lining	35.75	
		For 1/2" Thick, Add	*2.81*	
33 14 13 43-0058	LF	14" Diameter, 1/4" Thick Cement Pipe Lining	45.74	
		For 1/2" Thick, Add	*3.29*	
33 14 13 43-0059	LF	16" Diameter, 1/4" Thick Cement Pipe Lining	59.37	
		For 1/2" Thick, Add	*3.73*	
33 14 13 43-0060	LF	18" Diameter, 5/16" Thick Cement Pipe Lining	70.99	
		For 1/2" Thick, Add	*3.58*	
33 14 13 43-0061	LF	20" Diameter, 5/16" Thick Cement Pipe Lining	85.82	
		For 1/2" Thick, Add	*3.98*	
33 14 13 43-0062	LF	24" Diameter, 5/16" Thick Cement Pipe Lining	104.06	
		For 1/2" Thick, Add	*4.77*	
33 14 13 43-0063	LF	30" Diameter, 5/16" Thick Cement Pipe Lining	125.19	
		For 1/2" Thick, Add	*5.97*	
33 14 13 43-0064	LF	36" Diameter, 5/16" Thick Cement Pipe Lining	150.66	
		For 1/2" Thick, Add	*7.16*	
33 14 13 43-0065	LF	42" Diameter, 3/8" Thick Cement Pipe Lining	175.81	
		For 1/2" Thick, Add	*6.14*	
33 14 13 43-0066	LF	48" Diameter, 3/8" Thick Cement Pipe Lining	200.84	
		For 1/2" Thick, Add	*7.02*	
33 14 13 43-0067	LF	54" Diameter, 3/8" Thick Cement Pipe Lining	225.99	
		For 1/2" Thick, Add	*7.90*	
33 14 13 43-0068	LF	60" Diameter, 3/8" Thick Cement Pipe Lining	251.14	
		For 1/2" Thick, Add	*8.78*	
33 14 13 43-0069	LF	66" Diameter, 7/16" Thick Cement Pipe Lining	276.18	
		For 1/2" Thick, Add	*5.15*	
33 14 13 43-0070	LF	72" Diameter, 7/16" Thick Cement Pipe Lining	301.33	
		For 1/2" Thick, Add	*5.62*	
33 14 13 43-0071	LF	78" Diameter, 7/16" Thick Cement Pipe Lining	326.47	
		For 1/2" Thick, Add	*6.08*	

33 14 13 43-0072 Cement Fitting Lining *(33 14 13 43-0051)*

Note: Shop applied.

33 14 13 43-0073	EA	4" Diameter, 1/4" Thick Cement Fitting Lining	15.97	
		For 1/2" Thick, Add	*1.46*	
33 14 13 43-0074	EA	6" Diameter, 1/4" Thick Cement Fitting Lining	20.19	
		For 1/2" Thick, Add	*1.87*	
33 14 13 43-0075	EA	8" Diameter, 1/4" Thick Cement Fitting Lining	28.42	
		For 1/2" Thick, Add	*2.43*	
33 14 13 43-0076	EA	10" Diameter, 1/4" Thick Cement Fitting Lining	46.90	
		For 1/2" Thick, Add	*3.74*	
33 14 13 43-0077	EA	12" Diameter, 1/4" Thick Cement Fitting Lining	71.50	
		For 1/2" Thick, Add	*5.62*	
33 14 13 43-0078	EA	14" Diameter, 1/4" Thick Cement Fitting Lining	106.18	
		For 1/2" Thick, Add	*7.56*	
33 14 13 43-0079	EA	16" Diameter, 1/4" Thick Cement Fitting Lining	157.08	
		For 1/2" Thick, Add	*9.71*	
33 14 13 43-0080	EA	18" Diameter, 5/16" Thick Cement Fitting Lining	212.97	
		For 1/2" Thick, Add	*10.74*	
33 14 13 43-0081	EA	20" Diameter, 5/16" Thick Cement Fitting Lining	285.92	
		For 1/2" Thick, Add	*13.25*	
33 14 13 43-0082	EA	24" Diameter, 5/16" Thick Cement Fitting Lining	416.25	
		For 1/2" Thick, Add	*19.10*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0083		8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*			
		Note: ANSI/AWWA C105/A21.5-99 section 4.2.			
33 14 13 43-0084	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing		1.10	
33 14 13 43-0085	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing		1.86	
33 14 13 43-0086	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing		2.32	
33 14 13 43-0087	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing		2.93	
33 14 13 43-0088	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing		4.07	
33 14 13 43-0089	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing		5.27	
33 14 13 43-0090	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing		6.68	
33 14 13 43-0091	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing		7.97	
33 14 13 43-0092	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing		9.50	
33 14 13 43-0093	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing		10.56	
33 14 13 53		**Public Water Utility Distribution Piping Saddles And Adapters** *(33 14 13)*			
33 14 13 53-0001		Double Stud Stainless Steel Service Saddles *(33 14 13 53)*			
		Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.			
33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		283.57	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		390.19	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		403.95	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		336.47	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		419.74	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		352.16	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		439.89	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		394.78	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		463.46	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		412.17	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)		474.81	
33 14 13 53-0013		Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*			
		Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.			
33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		243.09	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		243.24	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		258.86	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		246.85	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		264.02	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		290.77	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		309.10	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		283.67	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		310.63	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		326.55	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		299.42	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		327.17	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		343.03	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		315.64	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		342.65	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		358.33	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		508.23	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		521.99	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		340.73	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		372.98	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		387.66	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		597.86	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		378.86	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		417.17	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		664.20	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		410.56	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		450.97	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		467.45	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		737.69	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		474.10	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		506.17	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		543.42	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		897.23	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		487.86	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		551.04	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		573.89	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		962.38	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		509.61	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		575.03	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)		598.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	1,001.22	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	560.88	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	644.58	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	634.19	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	700.34	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	661.96	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	744.23	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	329.22	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	358.83	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	373.66	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	403.53	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	414.14	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	435.22	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	404.49	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	429.58	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	504.24	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	543.77	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	739.10	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	831.12	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	856.19	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	952.00	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	344.29	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	377.85	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	391.46	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	423.86	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	436.14	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	458.40	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	488.36	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	521.73	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	524.40	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	566.53	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	789.06	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	901.77	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	915.47	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	995.02	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,013.45	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,013.45	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,090.51	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,090.51	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,243.81	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,243.81	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,492.25	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,804.06	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,152.44	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,273.49	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,399.14	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,567.02	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,641.22	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,605.52	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,772.74	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,174.69	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,279.58	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,050.15	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,238.60	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,325.45	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,364.98	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,634.47	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,628.52	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,656.05	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,866.18	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,918.67	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,976.05	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,110.13	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,368.46	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,562.96	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,032.63	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,175.41	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,595.52	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,938.12	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,588.08	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,769.60	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,842.82	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,192.30	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,680.92	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,955.81	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,985.96	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,154.32	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,204.21	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,777.32	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,996.32	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,051.35	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,516.24	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,741.13	
33 14 13 53-0140		**Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,228.51	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,313.05	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,431.37	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,479.64	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,540.44	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,758.31	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,618.91	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,678.20	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,870.15	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,543.38	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,825.74	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,911.02	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,099.98	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,703.46	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,939.47	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,379.42	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,450.59	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,851.96	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,348.70	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,672.98	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,817.52	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,890.88	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,157.79	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,866.75	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,037.04	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,002.47	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,132.46	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,311.65	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,145.26	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,315.36	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,610.11	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,683.32	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,081.00	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,750.99	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,037.34	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,904.15	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,060.31	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,269.93	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,219.37	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,396.57	
33 14 13 53-0181		**Stainless Steel Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,409.56	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,541.72	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,630.63	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,670.92	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,772.80	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,070.03	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,915.04	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,027.62	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,294.40	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,062.95	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,189.28	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,341.44	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,692.74	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,149.35	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,499.28	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,499.20	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,685.05	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,080.16	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,537.19	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,780.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,035.10	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,287.86	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,481.31	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,972.47	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,306.81	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,353.66	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,729.67	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,931.41	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,363.44	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,933.88	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,630.85	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,005.90	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,170.48	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,971.38	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,418.75	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,287.16	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,343.58	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,540.23	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,495.53	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	6,007.07	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	354.74	72.73
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	444.65	91.70
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	586.63	126.48
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	755.21	148.62
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,164.26	167.59
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,301.47	189.73

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	506.60	72.73
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	600.91	91.70
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	803.69	126.48
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	981.12	148.62
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,193.24	167.59
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,388.62	189.73
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,644.27	208.70
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,940.95	227.67
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,286.11	250.44
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,694.78	275.49

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	454.81	91.70
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	611.70	126.48
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	680.19	148.62
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	976.70	167.59
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,236.08	189.73
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,385.04	208.70
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,622.23	227.67
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,818.83	250.44
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,177.38	275.49
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,613.30	303.06
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,343.89	333.29
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,184.43	366.68

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System *(33 14 13 53)*

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	166.27	50.59
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	204.33	60.08
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	252.41	72.73
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	317.09	91.70
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	424.44	126.48
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	513.99	148.62
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	636.12	167.59
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	741.81	189.73
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,023.59	208.70
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,266.02	227.67

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0003		**Threaded, Class 150, Bronze Angle Valve** *(33 14 19 00-0002)* Note: NIBCO T-335Y		
33 14 19 00-0004	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	110.41	21.67
33 14 19 00-0005	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	148.92	29.12
33 14 19 00-0006	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	199.44	35.88
33 14 19 00-0007	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	256.57	45.10
33 14 19 00-0008	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	319.18	52.13
33 14 19 00-0009	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	471.59	60.93
33 14 19 00-0010	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	750.97	83.17
33 14 19 00-0011	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,131.39	96.02
33 14 19 00-0012		**Butterfly Valves** *(33 14 19 00-0001)*		
33 14 19 00-0013		**Lug Type Flanged, Cast Iron Disc, Butterfly Valves** *(33 14 19 00-0012)* Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,212.70	230.19
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,473.41	230.19
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,498.34	356.28
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,756.82	356.28
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,866.82	420.20
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,125.30	420.20
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,242.86	536.93
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,499.86	536.93
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,065.87	653.65
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	4,065.87	653.65
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,656.62	792.29
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,915.10	792.29
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,255.03	1,123.85
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,930.94	1,123.85
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,282.36	1,236.24
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	8,111.28	1,236.24
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,120.66	1,371.10
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,998.60	1,371.10
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,451.05	1,545.30
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	11,327.50	1,545.30
33 14 19 00-0034		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0012)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	17,429.12	1,896.51
33 14 19 00-0036	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,979.99	1,896.51
33 14 19 00-0037	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	17,376.98	1,896.51
33 14 19 00-0038	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	28,530.26	2,993.72
33 14 19 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	56,294.56	3,991.63
33 14 19 00-0040	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	66,643.00	5,987.45
33 14 19 00-0041	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	84,536.60	7,484.31
33 14 19 00-0042	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	118,022.86	8,981.17
33 14 19 00-0043	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	147,861.49	10,777.40
33 14 19 00-0044	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	212,009.91	12,932.88
33 14 19 00-0045	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.48	
33 14 19 00-0046	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.25	

33 14 19 00-0047 Check Valves *(33 14 19 00-0001)*

33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves *(33 14 19 00-0047)*

Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.

33 14 19 00-0049	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,829.43	180.82
33 14 19 00-0050	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,868.02	211.99
33 14 19 00-0051	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,511.07	268.11
33 14 19 00-0052	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,599.65	403.41
33 14 19 00-0053	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,721.62	450.53
33 14 19 00-0054	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,536.68	448.92
33 14 19 00-0055	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,664.85	510.30
33 14 19 00-0056	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,847.83	573.63
33 14 19 00-0057	EA	8" Flanged, Swing Type Gravity Operated Check Valve	5,064.88	573.63
33 14 19 00-0058	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,682.19	698.33
33 14 19 00-0059	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,271.77	523.75
33 14 19 00-0060	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,694.82	1,123.85
33 14 19 00-0061	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,978.82	1,236.24
33 14 19 00-0062	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,421.53	1,371.10
33 14 19 00-0063	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,426.47	1,545.30

33 14 19 00-0064 Combination Air Release Valves *(33 14 19 00-0001)*

33 14 19 00-0065	EA	1" Combination Air Release Valve	634.92	26.19
33 14 19 00-0066	EA	2" Combination Air Release Valve	1,025.41	44.89

33 14 19 00-0067 Corporation Stop And Curb Valve *(33 14 19 00-0001)*

Note: AWWA C800

33 14 19 00-0068 Ball Corporation Valves *(33 14 19 00-0067)*

Note: Mueller B-25000.

33 14 19 00-0069	EA	3/4" Ball Corporation Valve (Mueller B-25000)	89.18	26.19
33 14 19 00-0070	EA	1" Ball Corporation Valve (Mueller B-25000)	111.74	32.42
33 14 19 00-0071	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	194.81	47.38
33 14 19 00-0072	EA	2" Ball Corporation Valve (Mueller B-25000)	286.04	56.12

33 14 19 00-0073 Gate Valve, AWWA C500 And C509 *(33 14 19 00-0001)*

33 14 19 00-0074 Gate Valve, Flanged *(33 14 19 00-0073)*

Note: Mueller A-2380-6.

33 14 19 00-0075	EA	2" Gate Valve, Flanged	1,112.06	166.23
33 14 19 00-0076	EA	2-1/2" Gate Valve, Flanged	1,306.43	180.82
33 14 19 00-0077	EA	3" Gate Valve, Flanged	1,546.63	211.99
33 14 19 00-0078	EA	4" Gate Valve, Flanged	1,963.06	265.61
33 14 19 00-0079	EA	6" Gate Valve, Flanged	2,477.23	448.92
33 14 19 00-0080	EA	8" Gate Valve, Flanged	3,703.63	573.63
33 14 19 00-0081	EA	10" Gate Valve, Flanged	5,626.03	698.33
33 14 19 00-0082	EA	12" Gate Valve, Flanged	6,786.19	523.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0083	EA	14" Gate Valve, Flanged	15,110.34	1,123.85
33 14 19 00-0084	EA	16" Gate Valve, Flanged	19,859.92	1,236.24
33 14 19 00-0085	EA	18" Gate Valve, Flanged	31,691.73	1,371.10
33 14 19 00-0086	EA	20" Gate Valve, Flanged	37,935.62	1,545.30
33 14 19 00-0087		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0073)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0088	EA	2" Resilient Wedge Gate Valve, Flanged	1,060.91	166.23
33 14 19 00-0089	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,245.31	180.82
33 14 19 00-0090	EA	3" Resilient Wedge Gate Valve, Flanged	1,474.11	211.99
33 14 19 00-0091	EA	4" Resilient Wedge Gate Valve, Flanged	1,881.99	265.61
33 14 19 00-0092	EA	6" Resilient Wedge Gate Valve, Flanged	2,368.86	448.92
33 14 19 00-0093	EA	8" Resilient Wedge Gate Valve, Flanged	3,534.35	573.63
33 14 19 00-0094	EA	10" Resilient Wedge Gate Valve, Flanged	5,357.01	698.33
33 14 19 00-0095	EA	12" Resilient Wedge Gate Valve, Flanged	6,461.38	523.75
33 14 19 00-0096		**Gate Valve, Mechanical Joint** *(33 14 19 00-0073)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0097	EA	2" Gate Valve, Mechanical Joint	1,297.24	132.81
33 14 19 00-0098	EA	2-1/2" Gate Valve, Mechanical Joint	1,391.85	166.47
33 14 19 00-0099	EA	3" Gate Valve, Mechanical Joint	1,753.49	201.39
33 14 19 00-0100	EA	4" Gate Valve, Mechanical Joint	2,076.24	265.61
33 14 19 00-0101	EA	6" Gate Valve, Mechanical Joint	2,623.44	311.76
33 14 19 00-0102	EA	8" Gate Valve, Mechanical Joint	3,859.55	374.10
33 14 19 00-0103	EA	10" Gate Valve, Mechanical Joint	5,708.11	436.46
33 14 19 00-0104	EA	12" Gate Valve, Mechanical Joint	7,158.98	523.75
33 14 19 00-0105	EA	14" Gate Valve, Mechanical Joint	16,098.98	688.36
33 14 19 00-0106	EA	16" Gate Valve, Mechanical Joint	20,901.51	772.65
33 14 19 00-0107	EA	18" Gate Valve, Mechanical Joint	33,554.70	856.94
33 14 19 00-0108	EA	20" Gate Valve, Mechanical Joint	39,948.64	965.81
33 14 19 00-0109		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0073)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0110	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,238.83	132.81
33 14 19 00-0111	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,677.03	201.39
33 14 19 00-0112	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,988.78	265.61
33 14 19 00-0113	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,510.25	311.76
33 14 19 00-0114	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,683.46	374.10
33 14 19 00-0115	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,434.44	436.46
33 14 19 00-0116	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,812.99	523.75
33 14 19 00-0117		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0073)*		
		Note: Mueller A-2361.		
33 14 19 00-0118	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,720.19	1,123.85
33 14 19 00-0119	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,651.87	1,236.24
33 14 19 00-0120	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,253.85	1,371.10
33 14 19 00-0121	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,801.06	1,545.30
33 14 19 00-0122	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	31,011.27	1,896.51
33 14 19 00-0123		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0073)*		
		Note: NIBCO T-113.		
33 14 19 00-0124	EA	1/4" Diameter Threaded, Bronze, Gate Valve	66.34	21.80
33 14 19 00-0125	EA	3/8" Diameter Threaded, Bronze, Gate Valve	68.41	21.80
33 14 19 00-0126	EA	1/2" Diameter Threaded, Bronze, Gate Valve	68.04	21.80
33 14 19 00-0127	EA	3/4" Diameter Threaded, Bronze, Gate Valve	87.91	29.45
33 14 19 00-0128	EA	1" Diameter Threaded, Bronze, Gate Valve	108.24	35.61
33 14 19 00-0129	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	146.41	45.10
33 14 19 00-0130	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	169.83	52.13
33 14 19 00-0131	EA	2" Diameter Threaded, Bronze, Gate Valve	205.72	60.93
33 14 19 00-0132	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	388.71	83.17
33 14 19 00-0133	EA	3" Diameter Threaded, Bronze, Gate Valve	465.13	95.40
33 14 19 00-0134		**Globe Valve, AWWA** *(33 14 19 00-0001)*		
33 14 19 00-0135		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0134)*		
		Note: NIBCO T-235.		
33 14 19 00-0136	EA	1/8" Diameter Threaded, Globe Valve	92.53	21.80
33 14 19 00-0137	EA	1/4" Diameter Threaded, Globe Valve	88.36	21.80
33 14 19 00-0138	EA	3/8" Diameter Threaded, Globe Valve	90.43	21.80
33 14 19 00-0139	EA	1/2" Diameter Threaded, Globe Valve	92.53	21.80
33 14 19 00-0140	EA	3/4" Diameter Threaded, Globe Valve	125.64	29.45
33 14 19 00-0141	EA	1" Diameter Threaded, Globe Valve	175.02	35.61
33 14 19 00-0142	EA	1-1/4" Diameter Threaded, Globe Valve	254.36	45.10
33 14 19 00-0143	EA	1-1/2" Diameter Threaded, Globe Valve	303.27	52.13
33 14 19 00-0144	EA	2" Diameter Threaded, Globe Valve	420.57	60.93
33 14 19 00-0145	EA	2-1/2" Diameter Threaded, Globe Valve	765.76	83.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0146	EA	3" Diameter Threaded, Globe Valve	1,044.47	95.89
33 14 19 00-0147		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0148		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0147)* Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0149	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,599.56	166.23
33 14 19 00-0150	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,061.75	211.99
33 14 19 00-0151	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,460.64	265.61
33 14 19 00-0152	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,237.59	448.92
33 14 19 00-0153	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,678.80	573.63
33 14 19 00-0154	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,811.09	698.33
33 14 19 00-0155	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,123.09	523.75
33 14 19 00-0156	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,542.66	1,123.85
33 14 19 00-0157	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,494.46	1,236.24
33 14 19 00-0158	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,136.39	1,371.10
33 14 19 00-0159		**Accessories For Valves** *(33 14 19)*		
33 14 19 00-0160	EA	1' Valve Extension Stem	119.26	
		For Each Additional LF, Add	*9.32*	
33 14 19 00-0161	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,763.01	124.70
33 14 19 00-0162	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,999.32	137.17
33 14 19 00-0163	EA	Adjust Water Valve Box To Grade	124.70	
33 14 19 00-0164		**Utility Box** *(33 14 19)* Note: Christy Concrete Products.		
33 14 19 00-0165		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 19 00-0164)*		
33 14 19 00-0166	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	136.79	62.10
33 14 19 00-0167	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	137.60	6.90
33 14 19 00-0168	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	57.35	6.90
33 14 19 00-0169	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	300.75	6.90
33 14 19 00-0170	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	81.36	13.80
33 14 19 00-0171	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	116.82	13.80
33 14 19 00-0172		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 19 00-0164)*		
33 14 19 00-0173	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	165.99	82.79
33 14 19 00-0174	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	161.18	8.28
33 14 19 00-0175	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	63.65	8.28
33 14 19 00-0176	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	315.51	6.90
33 14 19 00-0177	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	91.11	13.80
33 14 19 00-0178	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	122.08	20.70
33 14 19 00-0179	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	144.89	37.95
33 14 19 00-0180		**B12 Utility Box, 12" x 20"** *(33 14 19 00-0164)*		
33 14 19 00-0181	EA	12" x 20" Precast Concrete Utility Box	182.47	89.69
33 14 19 00-0182	EA	Cast Iron Lid For 12" x 20" Utility Box	290.15	10.35
33 14 19 00-0183	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	85.42	13.80
33 14 19 00-0184	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	424.43	13.80
33 14 19 00-0185	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	188.90	48.30
33 14 19 00-0186		**B16 Utility Box, 12" x 22-1/4"** *(33 14 19 00-0164)*		
33 14 19 00-0187	EA	12" x 22-1/4" Precast Concrete Utility Box	210.06	104.87
33 14 19 00-0188	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	327.88	13.80
33 14 19 00-0189	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	105.53	13.80
33 14 19 00-0190	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	426.83	13.80
33 14 19 00-0191	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	148.26	23.46
33 14 19 00-0192	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	192.24	48.30
33 14 19 00-0193		**B30 Utility Box, 13-1/4" x 24"** *(33 14 19 00-0164)*		
33 14 19 00-0194	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	253.03	124.19
33 14 19 00-0195	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	142.20	22.08
33 14 19 00-0196	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	527.69	17.94
33 14 19 00-0197	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	148.26	23.46
33 14 19 00-0198	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	227.17	38.63
33 14 19 00-0199	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	177.35	26.22
33 14 19 00-0200	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	249.10	62.10
33 14 19 00-0201		**B36 Utility Box, 17-1/4" x 30"** *(33 14 19 00-0164)*		
33 14 19 00-0202	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	330.64	157.31
33 14 19 00-0203	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	231.73	37.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0204	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	661.54	26.22
33 14 19 00-0205	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	209.04	49.67
33 14 19 00-0206	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	353.32	55.20
33 14 19 00-0207	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	332.55	80.03
33 14 19 00-0208		**B40 Utility Box, 24-1/2" x 36"** *(33 14 19 00-0164)*		
33 14 19 00-0209	EA	24-1/2" x 36" Precast Concrete Utility Box	683.51	242.86
33 14 19 00-0210	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	633.96	91.07
33 14 19 00-0211	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	939.68	40.02
33 14 19 00-0212	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	518.50	85.55
33 14 19 00-0213	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	550.10	89.69
33 14 19 00-0214		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 19 00-0164)*		
33 14 19 00-0215	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	864.87	275.98
33 14 19 00-0216	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	874.19	150.41
33 14 19 00-0217	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,101.68	150.41
33 14 19 00-0218	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,487.73	68.99
33 14 19 00-0219	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	754.39	186.29
33 14 19 00-0220	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	680.11	125.57
33 14 19 00-0221		**Fire Hydrants** *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0222		**Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0221)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0223	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,763.91	326.82
33 14 19 00-0224	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,833.58	326.82
33 14 19 00-0225	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,903.44	326.82
33 14 19 00-0226	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,996.31	350.17
33 14 19 00-0227	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,066.05	350.17
33 14 19 00-0228	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,165.04	379.35
33 14 19 00-0229	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,234.68	379.35
33 14 19 00-0230	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,333.69	408.53
33 14 19 00-0231	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,403.43	408.53
33 14 19 00-0232	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,502.24	437.71
33 14 19 00-0233	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,601.14	466.89
33 14 19 00-0234	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,729.11	525.25
33 14 19 00-0235	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,827.49	326.82
33 14 19 00-0236	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,917.91	326.82
33 14 19 00-0237	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,008.11	326.82
33 14 19 00-0238	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,121.66	350.17
33 14 19 00-0239	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,211.86	350.17
33 14 19 00-0240	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,331.57	379.35
33 14 19 00-0241	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,421.66	379.35
33 14 19 00-0242	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,541.13	408.53
33 14 19 00-0243	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,631.30	408.53
33 14 19 00-0244	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,750.52	437.71
33 14 19 00-0245	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,870.13	466.89
33 14 19 00-0246	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	5,018.53	525.25
33 14 19 00-0247		**Two Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0221)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0248	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,381.45	326.82
33 14 19 00-0249	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,450.88	326.82
33 14 19 00-0250	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,520.71	326.82
33 14 19 00-0251	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,613.87	350.17
33 14 19 00-0252	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,683.39	350.17
33 14 19 00-0253	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,782.23	379.35
33 14 19 00-0254	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,851.97	379.35
33 14 19 00-0255	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,951.05	408.53
33 14 19 00-0256	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,020.64	408.53
33 14 19 00-0257	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,119.83	437.71
33 14 19 00-0258	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,218.28	466.89
33 14 19 00-0259	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,346.41	525.25
33 14 19 00-0260	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,479.67	326.82
33 14 19 00-0261	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,569.89	326.82
33 14 19 00-0262	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,659.98	326.82
33 14 19 00-0263	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,773.75	350.17
33 14 19 00-0264	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,863.72	350.17
33 14 19 00-0265	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,983.28	379.35
33 14 19 00-0266	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,073.30	379.35
33 14 19 00-0267	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,193.06	408.53
33 14 19 00-0268	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,283.03	408.53
33 14 19 00-0269	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,402.57	437.71
33 14 19 00-0270	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,521.72	466.89
33 14 19 00-0271	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,670.62	525.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0272		**Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0221)* Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0273	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,926.52	326.82
33 14 19 00-0274	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	4,016.60	326.82
33 14 19 00-0275	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,106.96	326.82
33 14 19 00-0276	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,220.55	350.17
33 14 19 00-0277	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,310.70	350.17
33 14 19 00-0278	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,430.08	379.35
33 14 19 00-0279	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,520.35	379.35
33 14 19 00-0280	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,639.75	408.53
33 14 19 00-0281	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,729.93	408.53
33 14 19 00-0282	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,849.30	408.53
33 14 19 00-0283	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,968.95	466.89
33 14 19 00-0284	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,116.41	466.89
33 14 19 00-0285		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0221)* Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0286	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,796.93	326.82
33 14 19 00-0287	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,865.48	326.82
33 14 19 00-0288	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,934.80	326.82
33 14 19 00-0289	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	3,025.90	350.17
33 14 19 00-0290	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,094.44	350.17
33 14 19 00-0291	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,192.15	379.35
33 14 19 00-0292	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,260.66	379.35
33 14 19 00-0293	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,358.46	408.53
33 14 19 00-0294	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,426.80	408.53
33 14 19 00-0295	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,524.53	437.71
33 14 19 00-0296	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,622.34	466.89
33 14 19 00-0297	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,748.38	525.25
33 14 19 00-0298		**Fire Hydrant Extension Kits** *(33 14 19 00-0221)*		
33 14 19 00-0299	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	585.21	29.19
33 14 19 00-0300	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	695.64	36.47
33 14 19 00-0301	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	759.40	43.77
33 14 19 00-0302	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	863.88	53.98
33 14 19 00-0303	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,300.28	56.18
33 14 19 00-0304	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,388.50	58.36
33 14 19 00-0305	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,409.97	61.28
33 14 19 00-0306	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,489.38	65.66
33 14 19 00-0307	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,643.06	78.79
33 14 19 00-0308	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,735.85	94.83
33 14 19 00-0309	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	650.95	32.68
33 14 19 00-0310	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	771.21	39.69
33 14 19 00-0311	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	885.28	47.86
33 14 19 00-0312	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	990.62	59.53
33 14 19 00-0313	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,353.13	61.86
33 14 19 00-0314	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,442.50	64.19
33 14 19 00-0315	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,504.29	67.70
33 14 19 00-0316	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,758.44	72.37
33 14 19 00-0317	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,928.36	86.37
33 14 19 00-0318	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,028.46	103.88
33 14 19 00-0319		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0221)* Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0320	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	933.78	
33 14 19 00-0321	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,361.77	
33 14 19 00-0322	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,465.12	
33 14 19 00-0323		**Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0324	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	398.01	40.63
33 14 19 00-0325	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	426.85	40.63
33 14 19 00-0326	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	455.68	40.63
33 14 19 00-0327	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	370.94	51.45
33 14 19 00-0328	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	388.14	51.45
33 14 19 00-0329	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	405.33	51.45
33 14 19 00-0330		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0331	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,766.08	84.63
33 14 19 00-0332	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,856.19	84.63
33 14 19 00-0333	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,946.30	84.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0334		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0335	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	928.21	52.44
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)*		
		Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0385 for Enclosures.		
33 14 23 00-0001		**Roadway Or Curb Valve Boxes** *(33 14 23)*		
		See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0001)*		
33 14 23 00-0003	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	251.33	16.46
33 14 23 00-0004	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	291.52	16.46
33 14 23 00-0005	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	293.37	16.46
33 14 23 00-0006	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	76.11	8.23
33 14 23 00-0007	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	86.75	8.23
33 14 23 00-0008	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	102.76	8.23
33 14 23 00-0009	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	378.26	20.57
33 14 23 00-0010	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	653.95	28.81
33 14 23 00-0011	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	728.93	28.81
33 14 23 00-0012	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	393.13	20.57
33 14 23 00-0013	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	411.04	20.57
33 14 23 00-0014	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	397.36	20.57
33 14 23 00-0015	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	144.15	8.23
33 14 23 00-0016	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	244.02	33.86
33 14 23 00-0017	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	252.15	35.21
33 14 23 00-0018	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	280.62	36.56
33 14 23 00-0019	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	383.69	38.59
33 14 23 00-0020	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	462.10	40.63
33 14 23 00-0021	EA	18" Cast Iron Service Box Extension Section	107.94	
33 14 23 00-0022		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0001)*		
33 14 23 00-0023	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	334.65	47.40
33 14 23 00-0024	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	251.41	33.86
33 14 23 00-0025	EA	Cast Iron Lid For Plastic Meter Box	74.48	
33 14 23 00-0026		**Traffic Valve Box And Lid** *(33 14 23 00-0001)*		
33 14 23 00-0027	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	239.60	
33 14 23 00-0028	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	767.59	
33 14 23 00-0029		**Roadway Valve Box Cover Adjustment** *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0030	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover	338.33	
33 14 23 00-0031		**Roadway Utility Box Cover Adjustment** *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0032	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	669.72	
33 14 23 00-0033	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover	854.98	
33 14 23 00-0034	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover	1,220.85	
33 14 23 00-0035	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover	1,488.65	
33 16		**Water Utility Storage Tanks** *(33 10)*		
33 16 23		**Ground-Level Steel Water Storage Tanks** *(33 16)* See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19		**Water Utility Metering Equipment** *(33 10)*		
33 19 13		**Positive Displacement Water Meters** *(33 19)*		
33 19 13 23		**Nutating Disc Water Meters** *(33 19 13)*		
33 19 13 23-0001		**Bronze Disk Type Water Service Meters** *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	339.39	70.41
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	426.31	83.96
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	571.54	96.14
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,109.50	143.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,502.92	186.86

33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*

33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	619.10	70.41
		For Owner Furnished Material, Deduct	*-547.83*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	706.07	83.96
		For Owner Furnished Material, Deduct	*-621.44*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,050.26	96.14
		For Owner Furnished Material, Deduct	*-953.54*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,776.70	143.53
		For Owner Furnished Material, Deduct	*-1,632.65*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	2,199.96	186.86
		For Owner Furnished Material, Deduct	*-2,011.89*	
33 19 13 23-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	500.73	33.86
		For Owner Furnished Material, Deduct	*-466.87*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001 Flanged Turbine Water Service Meter *(33 19 16 23)*

33 19 16 23-0002 Vertical Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,330.16	130.94
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,870.01	166.23
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,471.38	211.99
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,175.75	331.70
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,820.77	448.92

33 19 16 23-0008 Horizontal Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,107.55	130.94
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,979.83	166.23
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,916.33	211.99
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,763.91	331.70
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,963.70	448.92
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	16,006.36	573.63
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,377.30	698.33
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,927.92	1,101.11

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,644.44	166.23
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,836.66	211.99
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,307.92	331.70
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,819.96	448.92
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,623.05	573.63
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,958.45	698.33

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,241.76	166.23
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	13,043.20	211.99
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,986.11	331.70

33 19 26 Ultrasonic Water Meters *(33 19)*

33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,694.97	211.99
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,423.68	331.70
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,975.97	448.92
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,477.15	573.63

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0002		**Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0001)*		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.19	4.55
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.58	5.37
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.86	6.50
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.61	7.59
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	32.36	8.83
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	43.44	10.26
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	59.49	10.62
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	78.26	11.00
33 31 11 00-0011		**Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0001)* Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.34	6.50
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.84	7.59
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.92	8.83
33 31 11 00-0015		**Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 11 00-0001)*		
33 31 11 00-0016		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0017	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	33.11	15.72
33 31 11 00-0018	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	42.53	20.33
33 31 11 00-0019	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	78.58	27.30
33 31 11 00-0020	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	126.99	31.56
33 31 11 00-0021	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	546.56	41.02
33 31 11 00-0022	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	913.47	55.20
33 31 11 00-0023	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,205.58	73.52
33 31 11 00-0024		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0025	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	35.31	15.72
33 31 11 00-0026	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	42.35	20.33
33 31 11 00-0027	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	75.28	27.30
33 31 11 00-0028	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	110.87	31.56
33 31 11 00-0029	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	505.52	41.02
33 31 11 00-0030	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	818.08	55.20
33 31 11 00-0031	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	924.98	73.52
33 31 11 00-0032	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,380.21	97.92
33 31 11 00-0033		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps** *(33 31 11 00-0015)*		
33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	59.85	15.48
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	57.92	20.33
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	118.16	27.30
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	199.55	31.56
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	406.41	41.02
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	729.29	55.20
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,202.28	73.52
33 31 11 00-0041	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,828.98	97.92
33 31 11 00-0042		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	40.00	15.72
33 31 11 00-0044	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	47.11	20.33
33 31 11 00-0045	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	88.99	27.30
33 31 11 00-0046	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	136.30	31.56
33 31 11 00-0047	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	683.08	41.02
33 31 11 00-0048	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,112.22	55.20
33 31 11 00-0049	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,250.83	73.52
33 31 11 00-0050	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,271.61	97.92
33 31 11 00-0051		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	46.01	17.95
33 31 11 00-0053	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	92.98	21.41
33 31 11 00-0054	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	86.39	23.62
33 31 11 00-0055	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	139.54	25.82
33 31 11 00-0056	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	149.32	29.29
33 31 11 00-0057	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	481.89	36.26
33 31 11 00-0058	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,037.19	48.06
33 31 11 00-0059	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	205.53	52.48
33 31 11 00-0060	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	283.61	57.24
33 31 11 00-0061	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	266.12	64.29
33 31 11 00-0062	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,069.57	69.49
33 31 11 00-0063	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,128.33	76.53
33 31 11 00-0064	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,192.79	85.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0065		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	52.65	23.75
33 31 11 00-0067	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	70.38	30.73
33 31 11 00-0068	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	125.73	40.54
33 31 11 00-0069	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	199.15	50.36
33 31 11 00-0070	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	802.09	55.20
33 31 11 00-0071	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	1,040.26	73.52
33 31 11 00-0072		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	69.69	23.75
33 31 11 00-0074	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	80.28	30.73
33 31 11 00-0075	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	138.37	40.54
33 31 11 00-0076	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	219.85	50.36
33 31 11 00-0077	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	724.40	55.20
33 31 11 00-0078	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	892.70	73.52
33 31 11 00-0079	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,173.73	98.11
33 31 11 00-0080	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,863.89	130.92
33 31 11 00-0081		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	96.44	23.75
33 31 11 00-0083	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	106.30	30.73
33 31 11 00-0084	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	120.78	40.54
33 31 11 00-0085	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	191.46	50.36
33 31 11 00-0086	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	210.88	50.36
33 31 11 00-0087	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	346.86	82.98
33 31 11 00-0088		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0089	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	118.57	30.73
33 31 11 00-0090	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	154.13	40.54
33 31 11 00-0091	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	322.97	54.73
33 31 11 00-0092	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	587.77	66.20
33 31 11 00-0093	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	146.07	40.54
33 31 11 00-0094	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	261.41	54.73
33 31 11 00-0095	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	486.08	66.20
33 31 11 00-0096		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0097	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	90.94	23.75
33 31 11 00-0098	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	113.44	30.73
33 31 11 00-0099	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	238.04	40.54
33 31 11 00-0100	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	443.38	50.36
33 31 11 00-0101	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	185.63	30.73
33 31 11 00-0102	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	303.42	40.54
33 31 11 00-0103	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	212.47	40.54
33 31 11 00-0104	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	412.73	50.36
33 31 11 00-0105	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	440.76	50.36
33 31 11 00-0106		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0107	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	135.06	30.73
33 31 11 00-0108	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	155.96	40.54
33 31 11 00-0109	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	247.30	54.73
33 31 11 00-0110	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	969.96	66.20
33 31 11 00-0111	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	3,270.84	73.29
33 31 11 00-0112		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0113	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	726.55	125.07
33 31 11 00-0114	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,807.98	161.36
33 31 11 00-0115	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,290.89	227.39
33 31 11 00-0116	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	3,134.77	365.78
33 31 11 00-0117		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0015)*		
33 31 11 00-0118	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	31.95	15.72
33 31 11 00-0119	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	39.60	20.21
33 31 11 00-0120	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	64.54	27.07
33 31 11 00-0121	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	86.54	31.56
33 31 11 00-0122	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	278.17	41.02
33 31 11 00-0123	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	708.43	55.20
33 31 11 00-0124	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,079.92	73.52
33 31 11 00-0125	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,798.66	97.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0126		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0015)*		
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	152.67	87.54
33 31 11 00-0128	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	107.06	66.60
33 31 11 00-0129	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	110.18	66.60
33 31 11 00-0130	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	118.47	66.60
33 31 11 00-0131	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	154.95	87.54
33 31 11 00-0132	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	148.31	87.54
33 31 11 00-0133	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	137.42	87.54
33 31 11 00-0134	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	75.59	45.01
33 31 11 00-0135		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0015)*		
33 31 11 00-0136	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	44.37	16.91
33 31 11 00-0137	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	74.64	21.04
33 31 11 00-0138	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	143.83	27.18
33 31 11 00-0139		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0140	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	27.37	15.72
33 31 11 00-0141	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	35.65	20.33
33 31 11 00-0142	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	53.34	27.30
33 31 11 00-0143	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	70.98	31.56
33 31 11 00-0144	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	124.10	41.02
33 31 11 00-0145	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	485.38	55.20
33 31 11 00-0146		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0147	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.17	7.59
		For SDR 26, Add	*0.59*	
33 31 11 00-0148	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.35	8.83
		For SDR 26, Add	*1.12*	
33 31 11 00-0149	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	30.21	10.26
		For SDR 26, Add	*1.90*	
33 31 11 00-0150	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	35.78	10.62
		For SDR 26, Add	*2.85*	
33 31 11 00-0151	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	42.47	11.00
		For SDR 26, Add	*4.01*	
33 31 11 00-0152	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	53.48	11.39
		For SDR 26, Add	*6.02*	
33 31 11 00-0153	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	66.07	11.80
33 31 11 00-0154	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	84.18	12.82
33 31 11 00-0155	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	100.99	13.83
33 31 11 00-0156	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	124.94	16.22
33 31 11 00-0157		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0158	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	18.29	7.59
		For SDR 26, Add	*0.61*	
33 31 11 00-0159	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	23.88	8.83
		For SDR 26, Add	*1.22*	
33 31 11 00-0160	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	31.41	10.26
		For SDR 26, Add	*2.13*	
33 31 11 00-0161		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0162		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0163	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	91.41	28.64
		For SDR 26, Add	*4.19*	
33 31 11 00-0164	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	135.85	33.29
		For SDR 26, Add	*7.71*	
33 31 11 00-0165	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	285.51	37.73
		For SDR 26, Add	*21.34*	
33 31 11 00-0166	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	821.53	44.39
		For SDR 26, Add	*71.76*	
33 31 11 00-0167	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,061.62	56.60
		For SDR 26, Add	*92.86*	
33 31 11 00-0168		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0169	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	82.43	28.64
		For SDR 26, Add	*3.33*	
33 31 11 00-0170	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	125.95	33.29
		For SDR 26, Add	*6.76*	
33 31 11 00-0171	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	260.47	37.73
		For SDR 26, Add	*18.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0172	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	585.82	44.39
		For SDR 26, Add	*49.13*	
33 31 11 00-0173	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	837.50	56.60
		For SDR 26, Add	*71.34*	
33 31 11 00-0174	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,797.29	79.90
		For SDR 26, Add	*159.76*	
33 31 11 00-0175	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,852.17	113.20
33 31 11 00-0176	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,760.59	149.82
33 31 11 00-0177	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,491.34	199.76

33 31 11 00-0178 Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees *(33 31 11 00-0161)*

33 31 11 00-0179	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	138.39	42.94
		For SDR 26, Add	*6.41*	
33 31 11 00-0180	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	223.95	47.61
		For SDR 26, Add	*13.88*	
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	251.85	49.94
		For SDR 26, Add	*16.19*	
33 31 11 00-0182	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	278.18	52.27
		For SDR 26, Add	*18.34*	
33 31 11 00-0183	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	318.85	54.60
		For SDR 26, Add	*21.87*	
33 31 11 00-0184	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	613.33	56.93
		For SDR 26, Add	*49.77*	
33 31 11 00-0185	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	786.36	58.26
		For SDR 26, Add	*66.17*	
33 31 11 00-0186	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	891.53	61.04
		For SDR 26, Add	*75.83*	
33 31 11 00-0187	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,317.93	63.37
		For SDR 26, Add	*116.39*	
33 31 11 00-0188	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,718.66	66.59
		For SDR 26, Add	*154.34*	
33 31 11 00-0189	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	967.60	70.91
		For SDR 26, Add	*81.54*	
33 31 11 00-0190	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,027.33	73.25
		For SDR 26, Add	*86.90*	
33 31 11 00-0191	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,467.50	75.58
		For SDR 26, Add	*128.79*	
33 31 11 00-0192	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,118.44	78.80
		For SDR 26, Add	*190.77*	
33 31 11 00-0193	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,387.57	84.89
		For SDR 26, Add	*215.62*	

33 31 11 00-0194 Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0161)*

33 31 11 00-0195	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	131.42	42.94
		For SDR 26, Add	*5.74*	
33 31 11 00-0196	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	200.73	47.61
		For SDR 26, Add	*11.65*	
33 31 11 00-0197	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	220.66	49.94
		For SDR 26, Add	*13.19*	
33 31 11 00-0198	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	268.22	52.27
33 31 11 00-0199	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	306.97	54.60
33 31 11 00-0200	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	471.43	56.93
33 31 11 00-0201	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	718.97	58.71
33 31 11 00-0202	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	733.34	61.04
33 31 11 00-0203	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,104.95	63.37
33 31 11 00-0204	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,222.87	66.59
33 31 11 00-0205	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	911.39	70.91
33 31 11 00-0206	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	940.00	73.25
33 31 11 00-0207	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,347.81	75.58
33 31 11 00-0208	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,624.78	78.80
33 31 11 00-0209	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,696.32	84.89
33 31 11 00-0210	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,090.67	102.10
33 31 11 00-0211	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,319.77	108.20
33 31 11 00-0212	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,901.20	119.86

33 31 11 00-0213 Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings *(33 31 11 00-0161)*

33 31 11 00-0214	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	90.62	28.64
		For SDR 26, Add	*4.12*	
33 31 11 00-0215	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	141.14	33.29
		For SDR 26, Add	*8.22*	
33 31 11 00-0216	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	208.74	37.95
		For SDR 26, Add	*13.97*	
33 31 11 00-0217	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	396.87	44.39
		For SDR 26, Add	*30.99*	
33 31 11 00-0218	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	563.45	56.60
		For SDR 26, Add	*45.04*	
33 31 11 00-0219	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,103.76	79.90
		For SDR 26, Add	*93.18*	
33 31 11 00-0220	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	2,078.04	113.20
33 31 11 00-0221	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,469.66	149.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0222	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	5,023.70	199.76

33 31 11 00-0223 Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers *(33 31 11 00-0161)*

33 31 11 00-0224	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	174.71	30.96
		For SDR 26, Add	*11.82*	
33 31 11 00-0225	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	250.95	33.29
		For SDR 26, Add	*18.76*	
33 31 11 00-0226	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	264.62	35.62
		For SDR 26, Add	*19.70*	
33 31 11 00-0227	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	598.31	38.84
		For SDR 26, Add	*51.23*	
33 31 11 00-0228	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	687.82	41.17
		For SDR 26, Add	*59.45*	
33 31 11 00-0229	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	768.60	44.95
		For SDR 26, Add	*66.59*	
33 31 11 00-0230	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	882.38	47.28
		For SDR 26, Add	*77.14*	
33 31 11 00-0231	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,011.94	50.50
		For SDR 26, Add	*89.07*	
33 31 11 00-0232	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,523.97	68.25
		For SDR 26, Add	*135.38*	

33 31 11 00-0233 SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps *(33 31 11 00-0161)*

33 31 11 00-0234	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	144.16	
		For SDR 26, Add	*8.51*	
33 31 11 00-0235	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	190.64	
		For SDR 26, Add	*11.91*	
33 31 11 00-0236	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	194.94	
		For SDR 26, Add	*12.32*	
33 31 11 00-0237	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	323.68	
		For SDR 26, Add	*23.62*	
33 31 11 00-0238	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	341.68	
		For SDR 26, Add	*25.34*	
33 31 11 00-0239	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	651.42	
		For SDR 26, Add	*55.08*	
33 31 11 00-0240	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	368.50	
		For SDR 26, Add	*26.32*	
33 31 11 00-0241	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	402.25	
		For SDR 26, Add	*29.56*	
33 31 11 00-0242	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	902.31	
		For SDR 26, Add	*77.57*	
33 31 11 00-0243	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,064.82	
		For SDR 26, Add	*93.17*	
33 31 11 00-0244	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	422.09	
		For SDR 26, Add	*27.74*	
33 31 11 00-0245	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	451.54	
		For SDR 26, Add	*30.56*	

33 31 11 00-0246 SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps *(33 31 11 00-0161)*

33 31 11 00-0247	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	154.24	
		For SDR 26, Add	*9.48*	
33 31 11 00-0248	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	190.64	
		For SDR 26, Add	*11.91*	
33 31 11 00-0249	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	208.66	
		For SDR 26, Add	*13.64*	
33 31 11 00-0250	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	296.97	
		For SDR 26, Add	*21.05*	
33 31 11 00-0251	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	339.53	
		For SDR 26, Add	*25.14*	
33 31 11 00-0252	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	516.98	
		For SDR 26, Add	*42.17*	
33 31 11 00-0253	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	366.36	
		For SDR 26, Add	*26.11*	
33 31 11 00-0254	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	400.21	
		For SDR 26, Add	*29.36*	
33 31 11 00-0255	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	601.30	
		For SDR 26, Add	*48.67*	
33 31 11 00-0256	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	732.54	
		For SDR 26, Add	*61.27*	
33 31 11 00-0257	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	420.76	
		For SDR 26, Add	*27.61*	
33 31 11 00-0258	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	441.56	
		For SDR 26, Add	*29.61*	
33 31 11 00-0259	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	738.89	
		For SDR 26, Add	*58.15*	
33 31 11 00-0260	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	818.08	
		For SDR 26, Add	*65.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0261	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,158.47	
		For SDR 26, Add	*98.43*	

33 31 11 00-0262 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0001)*

Note: ASTM F949.

33 31 11 00-0263 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0262)*

33 31 11 00-0264	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	17.35	7.59
33 31 11 00-0265	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	23.17	8.83
33 31 11 00-0266	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	28.81	10.26
33 31 11 00-0267	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	33.17	10.62
33 31 11 00-0268	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	34.96	11.00
33 31 11 00-0269	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	40.16	11.39
33 31 11 00-0270	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	49.54	11.80
33 31 11 00-0271	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	57.21	12.82
33 31 11 00-0272	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	68.97	13.83
33 31 11 00-0273	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	98.26	18.61

33 31 11 00-0274 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bends *(33 31 11 00-0262)*

33 31 11 00-0275	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	57.55	
33 31 11 00-0276	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	76.60	
33 31 11 00-0277	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	104.59	
33 31 11 00-0278	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	172.12	
33 31 11 00-0279	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	186.95	
33 31 11 00-0280	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	304.62	
33 31 11 00-0281	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	476.87	
33 31 11 00-0282	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	666.32	
33 31 11 00-0283	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	855.71	
33 31 11 00-0284	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	1,122.34	

33 31 11 00-0285 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bends *(33 31 11 00-0262)*

33 31 11 00-0286	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	54.29	
33 31 11 00-0287	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	71.76	
33 31 11 00-0288	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	97.56	
33 31 11 00-0289	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	158.90	
33 31 11 00-0290	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	173.11	
33 31 11 00-0291	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	280.16	
33 31 11 00-0292	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	437.00	
33 31 11 00-0293	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	607.15	
33 31 11 00-0294	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	777.33	
33 31 11 00-0295	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	1,017.74	

33 31 11 00-0296 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bends *(33 31 11 00-0262)*

33 31 11 00-0297	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	49.39	
33 31 11 00-0298	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	61.56	
33 31 11 00-0299	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	92.35	
33 31 11 00-0300	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	116.52	
33 31 11 00-0301	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	158.42	
33 31 11 00-0302	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	254.18	
33 31 11 00-0303	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	368.67	
33 31 11 00-0304	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	546.60	
33 31 11 00-0305	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	724.54	
33 31 11 00-0306	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	1,015.24	

33 31 11 00-0307 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0262)*

33 31 11 00-0308	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	89.21	
33 31 11 00-0309	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	114.08	
33 31 11 00-0310	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	194.51	
33 31 11 00-0311	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	305.74	
33 31 11 00-0312	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	497.38	
33 31 11 00-0313	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	706.81	
33 31 11 00-0314	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,021.98	
33 31 11 00-0315	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,171.79	
33 31 11 00-0316	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,321.58	
33 31 11 00-0317	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	2,363.21	

33 31 11 00-0318 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tees *(33 31 11 00-0262)*

33 31 11 00-0319	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	82.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0320	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	104.91	
33 31 11 00-0321	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	175.76	
33 31 11 00-0322	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	273.72	
33 31 11 00-0323	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	441.12	
33 31 11 00-0324	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	625.60	
33 31 11 00-0325	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	903.08	
33 31 11 00-0326	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,033.89	
33 31 11 00-0327	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,164.68	
33 31 11 00-0328	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	2,068.43	

33 31 11 00-0329 Couplings And Plug Fittings *(33 31 11)*

33 31 11 00-0330 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0329)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0331	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	22.72	8.28
33 31 11 00-0332	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	24.88	9.66
33 31 11 00-0333	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	28.68	11.04
33 31 11 00-0334	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	32.40	11.73
33 31 11 00-0335	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	39.33	12.42
33 31 11 00-0336	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	46.30	13.80
33 31 11 00-0337	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	58.34	15.18
33 31 11 00-0338	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	71.54	15.87
33 31 11 00-0339	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	116.32	16.55
33 31 11 00-0340	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	157.39	17.94
33 31 11 00-0341	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	300.53	18.63
33 31 11 00-0342	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	348.78	19.66
33 31 11 00-0343	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	386.18	20.70
33 31 11 00-0344	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	462.23	22.08

33 31 11 00-0345 Cast Iron Service Saddles With U Bolt *(33 31 11)*

33 31 11 00-0346	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	135.66
33 31 11 00-0347	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	136.37
33 31 11 00-0348	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	150.13
33 31 11 00-0349	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	145.21
33 31 11 00-0350	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	163.79
33 31 11 00-0351	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	184.13
33 31 11 00-0352	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	218.07
33 31 11 00-0353	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	184.40
33 31 11 00-0354	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	201.56
33 31 11 00-0355	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	232.57
33 31 11 00-0356	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	149.18
33 31 11 00-0357	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	162.94
33 31 11 00-0358	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	193.41
33 31 11 00-0359	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	229.47
33 31 11 00-0360	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	246.77

33 31 11 00-0361 Manhole Inside Bowl Drop *(33 31 11)*

33 31 11 00-0362	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	362.89
33 31 11 00-0363	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	380.17
33 31 11 00-0364	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	389.92
33 31 11 00-0365	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	403.08
33 31 11 00-0366	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	418.96
33 31 11 00-0367	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	448.84
33 31 11 00-0368	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	467.55
33 31 11 00-0369	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	482.49
33 31 11 00-0370	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	828.24
33 31 11 00-0371	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	850.65

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,298.15	406.57
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,267.45	406.57
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,068.08	135.48
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,638.57	135.48
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	14,032.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0007		**Submersible Grinder Pumps** *(33 32 16)*		
		Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	4,043.02	816.47
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,966.99	952.55
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,323.65	1,224.70
33 32 16 00-0011		**In-Line Sewage Grinder, Single Shaft Design** *(33 32 16)*		
33 32 16 00-0012	EA	In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,166.62	1,588.77
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0013	EA	In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,166.62	1,588.77
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0014	EA	In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,166.62	1,588.77
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0015	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	23,662.54	1,588.77
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0016	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	31,744.02	1,588.77
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0017	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000	81,328.61	
33 32 16 00-0018	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000	91,164.68	
33 32 16 00-0019	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600	323,336.73	
33 32 16 00-0020		**In-Line Sewage Grinder, Double Shaft Design** *(33 32 16)*		
33 32 16 00-0021	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000	15,405.81	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0022	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000	16,647.93	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0023	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000	17,126.31	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0024	EA	10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000	19,508.72	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0025	EA	12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000	21,357.10	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0026	EA	12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000	41,932.02	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0027	EA	16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000	48,098.81	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0028	EA	18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000	50,495.43	1,588.77
		Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0029	EA	Up To 8" Cutter Cartridge Replacement For Series 30000	101,217.02	
33 32 16 00-0030	EA	10" To 12" Cutter Cartridge Replacement For Series 30000	162,617.59	
33 32 16 00-0031	EA	12" Cutter Cartridge Replacement For Series 40000	342,805.82	
33 32 16 00-0032	EA	16" Cutter Cartridge Replacement For Series 40000	405,200.78	
33 32 16 00-0033	EA	18" Cutter Cartridge Replacement For Series 40000	429,449.51	

33 32 16 00-0034 Open Channel Sewage, Double Shaft Design *(33 32 16)*

33 32 16 00-0035	EA	Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000	27,913.46	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0036	EA	Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000	30,281.66	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0037	EA	Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000	32,649.86	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0038	EA	Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000	39,092.55	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0039	EA	Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000	42,246.99	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0040	EA	Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000	45,266.44	1,588.77
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0041	EA	For Cutter Cartridge Replacement For Series 30000, 40"	184,961.41	
33 32 16 00-0042	EA	For Cutter Cartridge Replacement For Series 30000, 50"	206,826.00	
33 32 16 00-0043	EA	For Cutter Cartridge Replacement For Series 30000, 60"	231,086.72	
33 32 16 00-0044	EA	For Cutter Cartridge Replacement For Series 40000, 18"	255,946.46	
33 32 16 00-0045	EA	For Cutter Cartridge Replacement For Series 40000, 24"	298,777.11	
33 32 16 00-0046	EA	For Cutter Cartridge Replacement For Series 40000, 32"	332,322.79	

33 32 16 00-0047 Monoflo TR Muncher *(33 32 16)*

Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.

33 32 16 00-0048	EA	CT203P Monoflo TR Muncher 4" Ports with 12" Throat	41,206.90	529.68
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0049	EA	CT203Q Monoflo TR Muncher 6" Ports with 12" Throat	41,206.90	529.68
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0050	EA	CT203R Monoflo TR Muncher 8" Ports with 12" Throat	41,862.83	529.68
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0051	EA	CT203S Monoflo TR Muncher 10" Ports with 12" Throat	48,028.52	529.68
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0052	EA	CT203T Monoflo TR Muncher 12" Ports with 12" Throat	51,308.15	529.68
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0053	EA	Monoflo TR Muncher Control Panel (MF-511)	9,185.42	132.42
33 32 16 00-0054	EA	Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only	20,963.36	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0055	EA	Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only	22,039.08	
		For 5mm Thick Cutters, Add	*950.00*	

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,446.12	816.47
		For Non-Traffic Rated, Deduct	*-860.86*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,345.66	901.25
		For Non-Traffic Rated, Deduct	*-1,059.79*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	6,210.42	985.89
		For Non-Traffic Rated, Deduct	*-1,250.00*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,977.35	1,071.62
		For Non-Traffic Rated, Deduct	*-1,666.36*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,499.48	1,479.85
		For Non-Traffic Rated, Deduct	*-1,922.21*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	25,315.75	2,041.17
		For Non-Traffic Rated, Deduct	*-5,702.98*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	46,053.22	3,061.77
		For Non-Traffic Rated, Deduct	*-10,577.04*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	51,612.79	4,286.47
		For Non-Traffic Rated, Deduct	*-11,599.11*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	63,290.73	5,128.52
		For Non-Traffic Rated, Deduct	*-14,257.78*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	74,781.18	6,353.23
		For Non-Traffic Rated, Deduct	*-16,739.17*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,952.14	612.36
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,830.57	816.47
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,713.51	740.00
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	11,229.04	801.09
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	14,096.81	1,110.40
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	22,355.74	1,530.88
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	33,180.05	2,296.32
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	45,552.79	3,214.85
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	55,900.32	3,842.45

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,409.01	249.40
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,169.47	280.57
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,016.43	342.93
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,097.57	374.10
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,589.52	405.27
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,307.01	436.46
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,037.31	311.76
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,312.37	374.10
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,895.61	405.27
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,575.51	436.46

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,039.12	119.75
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,460.23	170.10
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,945.10	204.12
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,167.13	340.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,620.75	476.27

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*
Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	392.29	87.41
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	456.80	104.89
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	795.16	122.37
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,568.73	209.78

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,207.93	103.40
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,477.78	141.00

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	21.68	6.46
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	27.71	7.01
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	37.11	7.63
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	53.39	8.40

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,324.96	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,342.61	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,172.98	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0227 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.42	5.38
		For <100, Add	*1.13*	
		For >1,000, Deduct	*-0.59*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.10	5.77
		For <100, Add	*1.27*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.17	6.05
		For <100, Add	*1.42*	
		For >1,000, Deduct	*-0.81*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.84	6.24
		For <100, Add	*1.63*	
		For >1,000, Deduct	*-1.00*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.30	6.82
		For <100, Add	*1.84*	
		For >1,000, Deduct	*-1.16*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.50	7.69
		For <100, Add	*2.23*	
		For >1,000, Deduct	*-1.46*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	34.47	12.85
		For <100, Add	*3.65*	
		For >1,000, Deduct	*-2.37*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.87	14.11
		For <100, Add	*4.51*	
		For >1,000, Deduct	*-3.10*	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.27	5.38
		For <100, Add	*1.12*	
		For >1,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.03	5.77
		For <100, Add	*1.27*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.00	6.05
		For <100, Add	*1.56*	
		For >1,000, Deduct	*-0.95*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	15.33	6.24
		For <100, Add	*1.70*	
		For >1,000, Deduct	*-1.08*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.93	6.82
		For <100, Add	*1.92*	
		For >1,000, Deduct	*-1.24*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.32	7.69
		For <100, Add	*2.22*	
		For >1,000, Deduct	*-1.45*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.39	12.85
		For <100, Add	*3.60*	
		For >1,000, Deduct	*-2.31*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.16	14.11
		For <100, Add	*4.42*	
		For >1,000, Deduct	*-3.01*	

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	42.88	26.64
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	50.37	31.09
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	68.64	37.76
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	86.23	46.63
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	113.86	55.52
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	197.74	72.54
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	247.76	97.70
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	392.61	111.03

33 41 16 13-0031 Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	43.32	26.64
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.79	31.09
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	83.54	37.76

33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	28.73	17.77

33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	29.18	17.77
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	35.43	20.73
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	46.82	25.17
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	59.56	31.09

33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16 13)*

Note: Includes fittings, couplings, elbows, etc.

33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.34	4.61
		For <100, Add	*1.06*	
		For >1,000, Deduct	*-0.60*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.00	4.97
		For <100, Add	*1.15*	
		For >1,000, Deduct	*-0.65*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	11.19	5.97
		For <100, Add	*1.46*	
		For >1,000, Deduct	*-0.86*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	17.20	7.46
		For <100, Add	*1.98*	
		For >1,000, Deduct	*-1.23*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	27.24	7.76
		For <100, Add	*2.53*	
		For >1,000, Deduct	*-1.75*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	34.56	8.48
		For <100, Add	*3.00*	
		For >1,000, Deduct	*-2.15*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	47.37	9.55
		For <100, Add	*3.80*	
		For >1,000, Deduct	*-2.85*	

33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	38.18	13.73
		For Extra Strength, Add	*2.18*	
		For >1,000, Deduct	*-1.91*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	44.69	15.26
		For Extra Strength, Add	*2.69*	
		For >1,000, Deduct	*-2.23*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	50.60	16.78
		For Extra Strength, Add	*3.13*	
		For >1,000, Deduct	*-2.53*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	59.52	18.31
		For Extra Strength, Add	*3.92*	
		For >1,000, Deduct	*-2.98*	

33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	31.42	13.73
		For >1,000, Deduct	*-1.57*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	34.77	15.26
		For >1,000, Deduct	*-1.74*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	38.35	16.78
		For >1,000, Deduct	*-1.92*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	43.85	17.44
		For >1,000, Deduct	*-2.19*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	51.03	19.62
		For >1,000, Deduct	*-2.55*	
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	63.14	25.06
		For >1,000, Deduct	*-3.16*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	78.84	32.15
		For >1,000, Deduct	*-3.94*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	96.14	39.23
		For >1,000, Deduct	*-4.81*	

33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	29.19	13.73
		For >1,000, Deduct	*-1.46*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	37.24	15.26
		For >1,000, Deduct	*-1.86*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	47.29	16.78
		For >1,000, Deduct	*-2.36*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	57.54	18.31
		For >1,000, Deduct	*-2.88*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	65.95	20.36
		For >1,000, Deduct	*-3.30*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	85.55	25.41
		For >1,000, Deduct	*-4.28*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	29.10	15.26
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	34.87	17.16
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	40.05	17.16
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	53.91	20.97
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	64.30	22.89

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.89	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.17	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.78	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.40	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.59	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.94	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.95	

33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.69	6.54
		For Full Perforated, Add	*1.36*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	33.79	7.93
		For Full Perforated, Add	*1.79*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.62	10.06
		For Full Perforated, Add	*2.25*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	47.31	11.89
		For Full Perforated, Add	*2.35*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	54.19	12.31
		For Full Perforated, Add	*2.96*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	61.22	12.76
		For Full Perforated, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	70.02	13.76
		For Full Perforated, Add	*4.25*	

33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.88	6.54
		For Full Perforated, Add	*1.58*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	36.76	7.93
		For Full Perforated, Add	*2.09*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	46.24	10.06
		For Full Perforated, Add	*2.61*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	50.83	11.89
		For Full Perforated, Add	*2.71*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	58.54	12.31
		For Full Perforated, Add	*3.39*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	66.39	12.76
		For Full Perforated, Add	*4.09*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	76.04	13.76
		For Full Perforated, Add	*4.85*	

33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	29.59	6.54
		For Full Perforated, Add	*1.65*	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	37.67	7.93
		For Full Perforated, Add	*2.18*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	47.40	10.06
		For Full Perforated, Add	*2.73*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	59.52	11.89
		For Full Perforated, Add	*3.57*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	69.36	12.31
		For Full Perforated, Add	*4.47*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	79.50	12.76
		For Full Perforated, Add	*5.40*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	91.34	13.76
		For Full Perforated, Add	*6.38*	

33 41 16 13-0109 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	12.13	2.52
		For External Typar Geotextile Wrap, Add	*2.23*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.87	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.87	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	106.47	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	106.47	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	19.40	3.15
		For External Typar Geotextile Wrap, Add	*3.34*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	81.36	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	81.36	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	139.95	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	139.95	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 13 Underslab Drainage Piping *(33 41 19)*

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	61.29	
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	58.38	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	57.22	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	55.48	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	57.31	18.31
		For >1,000, Deduct	*-2.87*	
		For Class 4, Add	*2.96*	
		For Class 5, Add	*6.23*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	69.00	20.36
		For >1,000, Deduct	*-3.45*	
		For Class 4, Add	*3.79*	
		For Class 5, Add	*7.98*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	78.27	25.41
		For >1,000, Deduct	*-3.91*	
		For Class 4, Add	*3.99*	
		For Class 5, Add	*8.40*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	100.32	32.04
		For >1,000, Deduct	*-5.02*	
		For Class 4, Add	*5.18*	
		For Class 5, Add	*10.91*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	117.31	38.90
		For >1,000, Deduct	*-5.87*	
		For Class 4, Add	*5.86*	
		For Class 5, Add	*12.35*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	149.43	50.06
		For >1,000, Deduct	*-7.47*	
		For Class 4, Add	*7.40*	
		For Class 5, Add	*15.58*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	159.00	51.70
		For >1,000, Deduct	*-7.95*	
		For Class 4, Add	*8.01*	
		For Class 5, Add	*16.85*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	197.35	58.75
		For >1,000, Deduct	*-9.87*	
		For Class 4, Add	*10.86*	
		For Class 5, Add	*22.86*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	256.78	64.62
		For >1,000, Deduct	*-12.84*	
		For Class 4, Add	*15.71*	
		For Class 5, Add	*33.07*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	307.92	71.96
		For >1,000, Deduct	*-15.40*	
		For Class 4, Add	*19.49*	
		For Class 5, Add	*41.02*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	383.82	82.25
		For >1,000, Deduct	*-19.19*	
		For Class 4, Add	*25.30*	
		For Class 5, Add	*53.26*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	463.84	95.41
		For >1,000, Deduct	*-23.19*	
		For Class 4, Add	*31.12*	
		For Class 5, Add	*65.51*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	718.63	105.75
		For >1,000, Deduct	*-35.93*	
		For Class 4, Add	*53.98*	
		For Class 5, Add	*113.65*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	839.08	115.14
		For >1,000, Deduct	*-41.95*	
		For Class 4, Add	*64.09*	
		For Class 5, Add	*134.92*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,009.80	129.24
		For >1,000, Deduct	*-50.49*	
		For Class 4, Add	*78.35*	
		For Class 5, Add	*164.95*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,302.78	143.94
		For >1,000, Deduct	*-65.14*	
		For Class 4, Add	*104.23*	
		For Class 5, Add	*219.43*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	92.31	29.21
		For >1,000, Deduct	*-4.62*	
		For Horizontal Elliptical - II (HE- II), Add	*5.06*	
		For Horizontal Elliptical - III (HE- III), Add	*11.13*	
		For Horizontal Elliptical - IV (HE- IV), Add	*24.28*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	139.09	33.78
		For >1,000, Deduct	*-6.95*	
		For Horizontal Elliptical - II (HE- II), Add	*9.08*	
		For Horizontal Elliptical - III (HE- III), Add	*19.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*43.59*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	192.74	51.74
		For >1,000, Deduct	*-9.64*	
		For Horizontal Elliptical - II (HE- II), Add	*11.88*	
		For Horizontal Elliptical - III (HE- III), Add	*26.14*	
		For Horizontal Elliptical - IV (HE- IV), Add	*57.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	227.97	66.59
		For >1,000, Deduct	*-11.40*	
		For Horizontal Elliptical - II (HE- II), Add	*13.28*	
		For Horizontal Elliptical - III (HE- III), Add	*29.22*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.76*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	242.07	69.57
		For >1,000, Deduct	*-12.10*	
		For Horizontal Elliptical - II (HE- II), Add	*14.27*	
		For Horizontal Elliptical - III (HE- III), Add	*31.39*	
		For Horizontal Elliptical - IV (HE- IV), Add	*68.49*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	278.44	73.46
		For >1,000, Deduct	*-13.92*	
		For Horizontal Elliptical - II (HE- II), Add	*17.35*	
		For Horizontal Elliptical - III (HE- III), Add	*38.17*	
		For Horizontal Elliptical - IV (HE- IV), Add	*83.28*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	314.80	77.34
		For >1,000, Deduct	*-15.74*	
		For Horizontal Elliptical - II (HE- II), Add	*20.43*	
		For Horizontal Elliptical - III (HE- III), Add	*44.95*	
		For Horizontal Elliptical - IV (HE- IV), Add	*98.07*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	384.43	85.10
		For >1,000, Deduct	*-19.22*	
		For Horizontal Elliptical - II (HE- II), Add	*26.29*	
		For Horizontal Elliptical - III (HE- III), Add	*57.83*	
		For Horizontal Elliptical - IV (HE- IV), Add	*126.17*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	463.76	95.71
		For >1,000, Deduct	*-23.19*	
		For Horizontal Elliptical - II (HE- II), Add	*32.70*	
		For Horizontal Elliptical - III (HE- III), Add	*71.94*	
		For Horizontal Elliptical - IV (HE- IV), Add	*156.97*	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	527.88	109.39
		For >1,000, Deduct	*-26.39*	
		For Horizontal Elliptical - II (HE- II), Add	*37.16*	
		For Horizontal Elliptical - III (HE- III), Add	*81.75*	
		For Horizontal Elliptical - IV (HE- IV), Add	*178.37*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	654.47	126.90
		For >1,000, Deduct	*-32.72*	
		For Horizontal Elliptical - II (HE- II), Add	*47.32*	
		For Horizontal Elliptical - III (HE- III), Add	*104.10*	
		For Horizontal Elliptical - IV (HE- IV), Add	*227.14*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	747.41	139.82
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	907.77	152.75
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,085.30	172.73
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,174.47	191.52
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,507.92	200.92
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,749.48	210.32
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	715.24	69.74
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	857.54	85.00
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	1,060.98	93.72
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,216.68	115.52
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,374.06	139.49
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.91	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.47	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.45	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	13.41	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.95	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	16.42	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	20.06	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	23.26	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	26.83	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	32.88	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	48.67	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	50.60	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	52.46	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	60.42	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	72.43	
33 42 11 00-0060		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0061	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	295.27	206.80
33 42 11 00-0062	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	364.26	256.15
33 42 11 00-0063	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	452.04	324.29
33 42 11 00-0064	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	535.14	387.74
33 42 11 00-0065	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	615.77	448.73
33 42 11 00-0066	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	760.07	573.39
33 42 11 00-0067	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	996.09	789.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0068	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,242.34	996.39
33 42 11 00-0069	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,535.00	1,249.94
33 42 11 00-0070	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,718.46	1,408.81
33 42 11 00-0071	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,918.91	1,579.18
33 42 11 00-0072	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,122.30	1,754.25
33 42 11 00-0073	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,205.20	1,821.23
33 42 11 00-0074	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,278.10	1,879.97
33 42 11 00-0075	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,351.00	1,938.72
33 42 11 00-0076	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,425.68	1,997.47
33 42 11 00-0077		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	267.68	
33 42 11 00-0079	EA	>24" Diameter Pipe, 12' Strap Assembly	378.05	
33 42 11 00-0080		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0081		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0080)*		
33 42 11 00-0082		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0081)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.42	18.31
		For >1,000, Deduct	*-8.02*	
		For 100 PSI, Deduct	*-33.57*	
33 42 11 00-0084	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	171.13	20.36
		For >1,000, Deduct	*-8.56*	
		For 100 PSI, Deduct	*-35.51*	
33 42 11 00-0085	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	186.10	25.41
		For >1,000, Deduct	*-9.31*	
		For 100 PSI, Deduct	*-37.45*	
33 42 11 00-0086	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	203.36	32.04
		For >1,000, Deduct	*-10.17*	
		For 100 PSI, Deduct	*-39.40*	
33 42 11 00-0087	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	220.94	38.90
		For >1,000, Deduct	*-11.05*	
		For 100 PSI, Deduct	*-41.34*	
33 42 11 00-0088	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	259.87	51.70
		For >1,000, Deduct	*-12.99*	
		For 100 PSI, Deduct	*-46.29*	
33 42 11 00-0089	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	288.00	58.75
		For >1,000, Deduct	*-14.40*	
		For 100 PSI, Deduct	*-51.23*	
33 42 11 00-0090	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	334.51	64.62
		For >1,000, Deduct	*-16.73*	
		For 100 PSI, Deduct	*-60.77*	
33 42 11 00-0091	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	384.06	71.96
		For >1,000, Deduct	*-19.20*	
		For 100 PSI, Deduct	*-70.31*	
33 42 11 00-0092	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	509.76	93.67
		For >1,000, Deduct	*-25.49*	
		For 100 PSI, Deduct	*-93.99*	
33 42 11 00-0093	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	614.56	108.66
		For >1,000, Deduct	*-30.73*	
		For 100 PSI, Deduct	*-114.83*	
33 42 11 00-0094	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	690.68	120.43
		For >1,000, Deduct	*-34.53*	
		For 100 PSI, Deduct	*-129.85*	
33 42 11 00-0095	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	770.33	131.13
		For >1,000, Deduct	*-38.52*	
		For 100 PSI, Deduct	*-145.75*	
33 42 11 00-0096	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	875.01	147.19
		For >1,000, Deduct	*-43.75*	
		For 100 PSI, Deduct	*-166.07*	
33 42 11 00-0097	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	979.70	163.92
		For >1,000, Deduct	*-48.99*	
		For 100 PSI, Deduct	*-186.38*	
33 42 11 00-0098	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,210.64	191.35
		For >1,000, Deduct	*-60.53*	
		For 100 PSI, Deduct	*-234.08*	
33 42 11 00-0099	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,425.18	218.52
		For >1,000, Deduct	*-71.26*	
		For 100 PSI, Deduct	*-278.25*	
33 42 11 00-0100	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,658.43	233.41
		For >1,000, Deduct	*-82.92*	
		For 100 PSI, Deduct	*-331.25*	
33 42 11 00-0101	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,873.41	247.86
		For >1,000, Deduct	*-93.67*	
		For 100 PSI, Deduct	*-379.83*	
33 42 11 00-0102	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,265.06	262.32
		For >1,000, Deduct	*-113.25*	
		For 100 PSI, Deduct	*-472.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0103	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,637.29	275.55
		For >1,000, Deduct	*-131.86*	
		For 100 PSI, Deduct	*-560.91*	
33 42 11 00-0104	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,875.26	288.78
		For >1,000, Deduct	*-143.76*	
		For 100 PSI, Deduct	*-615.68*	
33 42 11 00-0105	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,116.76	302.02
		For >1,000, Deduct	*-155.84*	
		For 100 PSI, Deduct	*-671.33*	
33 42 11 00-0106	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,356.49	315.25
		For >1,000, Deduct	*-167.82*	
		For 100 PSI, Deduct	*-726.54*	
33 42 11 00-0107	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,596.23	328.48
		For >1,000, Deduct	*-179.81*	
		For 100 PSI, Deduct	*-781.74*	

33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0109	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	523.48	171.64
33 42 11 00-0110	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	723.59	245.20
33 42 11 00-0111	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	929.45	326.93
33 42 11 00-0112	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,135.31	408.66
33 42 11 00-0113	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,377.12	507.83
33 42 11 00-0114	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,765.32	681.09
33 42 11 00-0115	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,209.98	822.49
33 42 11 00-0116	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,573.58	959.96
33 42 11 00-0117	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,896.43	1,096.26
33 42 11 00-0118	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,561.85	1,368.86
33 42 11 00-0119	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,691.85	1,873.40
33 42 11 00-0120	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,229.11	2,074.13
33 42 11 00-0121	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,766.37	2,274.84
33 42 11 00-0122	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,964.11	2,609.38
33 42 11 00-0123	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,154.45	2,943.92
33 42 11 00-0124	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,662.43	3,345.36
33 42 11 00-0125	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	11,163.03	3,746.80
33 42 11 00-0126	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,790.47	4,692.59
33 42 11 00-0127	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,448.59	5,631.10
33 42 11 00-0128	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,961.55	7,508.15
33 42 11 00-0129	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	29,385.66	9,385.18
33 42 11 00-0130	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,198.29	10,122.59
33 42 11 00-0131	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	37,015.90	10,859.99
33 42 11 00-0132	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	48,501.71	11,597.40
33 42 11 00-0133	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	44,729.78	12,334.81

33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0081)*

33 42 11 00-0135	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	487.44	171.64
33 42 11 00-0136	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	676.95	245.20
33 42 11 00-0137	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	874.33	326.93
33 42 11 00-0138	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,071.71	408.66
33 42 11 00-0139	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,305.04	507.83
33 42 11 00-0140	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,666.39	635.32
33 42 11 00-0141	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,096.91	822.49
33 42 11 00-0142	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,442.85	959.96
33 42 11 00-0143	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,755.80	1,096.26
33 42 11 00-0144	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,361.77	1,368.86
33 42 11 00-0145	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,501.51	1,873.40
33 42 11 00-0146	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,024.98	2,074.13
33 42 11 00-0147	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,548.45	2,274.84
33 42 11 00-0148	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,455.42	2,609.38
33 42 11 00-0149	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,355.00	2,943.92
33 42 11 00-0150	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,653.53	3,345.36
33 42 11 00-0151	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,944.68	3,746.80
33 42 11 00-0152	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,977.58	4,683.50
33 42 11 00-0153	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	16,077.53	5,631.10
33 42 11 00-0154	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	21,013.60	7,508.15
33 42 11 00-0155	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	25,860.84	9,385.18
33 42 11 00-0156	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,897.38	10,122.59
33 42 11 00-0157	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,938.91	12,334.81
33 42 11 00-0158	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	34,992.19	11,597.40
33 42 11 00-0159	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	38,407.98	12,334.81

33 42 11 00-0160 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0080)*

33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0162	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	306.35	51.70
		For >1,000, Deduct	*-15.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0163	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	373.82	58.75
		For >1,000, Deduct	*-18.69*	
33 42 11 00-0164	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	436.39	64.62
		For >1,000, Deduct	*-21.82*	

33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0160)*

Note: AWWA C301

33 42 11 00-0166	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	588.71	71.91
		For >1,000, Deduct	*-29.44*	
33 42 11 00-0167	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	706.19	93.67
		For >1,000, Deduct	*-35.31*	
33 42 11 00-0168	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	814.07	108.66
		For >1,000, Deduct	*-40.70*	
33 42 11 00-0169	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	916.59	120.43
		For >1,000, Deduct	*-45.83*	
33 42 11 00-0170	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,110.81	131.13
		For >1,000, Deduct	*-55.54*	

33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0160)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0172	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,390.02
33 42 11 00-0173	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,567.06
33 42 11 00-0174	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,655.57
33 42 11 00-0175	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	3,009.65
33 42 11 00-0176	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	3,098.17
33 42 11 00-0177	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,275.21
33 42 11 00-0178	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,363.73
33 42 11 00-0179	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,452.25
33 42 11 00-0180	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0181	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0182	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0183	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0184	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0185	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0186	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26
33 42 11 00-0187	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26

33 42 11 00-0188 Quick Test Joints *(33 42 11 00-0160)*

33 42 11 00-0189	EA	30" Quick Test Joint	655.07
33 42 11 00-0190	EA	36" Quick Test Joint	660.95
33 42 11 00-0191	EA	42" Quick Test Joint	666.83
33 42 11 00-0192	EA	48" Quick Test Joint	680.43
33 42 11 00-0193	EA	54" Quick Test Joint	712.91
33 42 11 00-0194	EA	60" Quick Test Joint	739.15
33 42 11 00-0195	EA	66" Quick Test Joint	778.28
33 42 11 00-0196	EA	72" Quick Test Joint	817.40

33 42 11 00-0197 Harnessed Joints *(33 42 11 00-0160)*

33 42 11 00-0198 Harness Clamp Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0199	EA	30" Harness Clamp Restrained Joint	13,131.64
33 42 11 00-0200	EA	36" Harness Clamp Restrained Joint	13,638.97
33 42 11 00-0201	EA	42" Harness Clamp Restrained Joint	14,146.29
33 42 11 00-0202	EA	48" Harness Clamp Restrained Joint	14,653.61
33 42 11 00-0203	EA	54" Harness Clamp Restrained Joint	15,177.26
33 42 11 00-0204	EA	60" Harness Clamp Restrained Joint	15,942.80
33 42 11 00-0205	EA	66" Harness Clamp Restrained Joint	16,457.64
33 42 11 00-0206	EA	72" Harness Clamp Restrained Joint	17,624.35

33 42 11 00-0207 Snap Ring Restrained Joints *(33 42 11 00-0197)*

33 42 11 00-0208	EA	30" Snap Ring Restrained Joint	2,099.78
33 42 11 00-0209	EA	36" Snap Ring Restrained Joint	2,406.53
33 42 11 00-0210	EA	42" Snap Ring Restrained Joint	3,264.87
33 42 11 00-0211	EA	48" Snap Ring Restrained Joint	3,722.05
33 42 11 00-0212	EA	54" Snap Ring Restrained Joint	4,195.55
33 42 11 00-0213	EA	60" Snap Ring Restrained Joint	4,760.51
33 42 11 00-0214	EA	66" Snap Ring Restrained Joint	5,275.35
33 42 11 00-0215	EA	72" Snap Ring Restrained Joint	5,890.47

33 42 11 00-0216 Pipe Repairs *(33 42 11 00-0160)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0217 Lined Cylinder Pipe Repair *(33 42 11 00-0216)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0218	EA	30" Lined Cylinder Pipe Repair	6,522.13	
33 42 11 00-0219	EA	36" Lined Cylinder Pipe Repair	8,073.55	
33 42 11 00-0220	EA	42" Lined Cylinder Pipe Repair	11,689.73	
33 42 11 00-0221		**Embedded Cylinder Pipe Repair** *(33 42 11 00-0216)*		
		Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0222	EA	48" Embedded Cylinder Pipe Repair	17,543.82	
33 42 11 00-0223	EA	54" Embedded Cylinder Pipe Repair	20,392.57	
33 42 11 00-0224	EA	60" Embedded Cylinder Pipe Repair	23,260.88	
33 42 11 00-0225	EA	66" Embedded Cylinder Pipe Repair	26,282.49	
33 42 11 00-0226	EA	72" Embedded Cylinder Pipe Repair	31,671.64	
33 42 11 00-0227		**High-Density Polyethylene (HDPE) Drainage Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0228		**Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 42 11 00-0227)*		
		Note: Excludes couplings and gaskets.		
33 42 11 00-0229		**Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 42 11 00-0228)*		
33 42 11 00-0230	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.88	7.59
		For <100, Add	*3.04*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0231	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.97	8.83
		For <100, Add	*3.53*	
		For >1,000, Deduct	*-1.98*	
33 42 11 00-0232	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.99	10.26
		For <100, Add	*4.10*	
		For >1,000, Deduct	*-2.38*	
33 42 11 00-0233	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	30.57	10.62
		For <100, Add	*4.25*	
		For >1,000, Deduct	*-2.59*	
33 42 11 00-0234	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.14	11.00
		For <100, Add	*4.40*	
		For >1,000, Deduct	*-2.71*	
33 42 11 00-0235	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.37	11.39
		For <100, Add	*4.55*	
		For >1,000, Deduct	*-2.96*	
33 42 11 00-0236	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.89	11.80
		For <100, Add	*4.72*	
		For >1,000, Deduct	*-3.38*	
33 42 11 00-0237	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	59.95	13.83
		For <100, Add	*5.53*	
		For >1,000, Deduct	*-4.38*	
33 42 11 00-0238	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	84.94	18.61
		For <100, Add	*7.45*	
		For >1,000, Deduct	*-6.11*	
33 42 11 00-0239	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	111.55	23.52
		For <100, Add	*9.41*	
		For >1,000, Deduct	*-7.93*	
33 42 11 00-0240		**Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 42 11 00-0228)*		
33 42 11 00-0241	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.96	11.00
		For <100, Add	*4.40*	
		For >1,000, Deduct	*-2.70*	
33 42 11 00-0242	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.08	11.39
		For <100, Add	*4.55*	
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0243	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	44.96	11.80
		For <100, Add	*4.72*	
		For >1,000, Deduct	*-3.43*	
33 42 11 00-0244	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	61.65	13.83
		For <100, Add	*5.53*	
		For >1,000, Deduct	*-4.47*	
33 42 11 00-0245	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.59	18.61
		For <100, Add	*7.45*	
		For >1,000, Deduct	*-6.34*	
33 42 11 00-0246	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	115.01	23.52
		For <100, Add	*9.41*	
		For >1,000, Deduct	*-8.10*	
33 42 11 00-0247	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	149.43	25.66
		For <100, Add	*10.27*	
		For >1,000, Deduct	*-10.04*	
33 42 11 00-0248	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	163.04	28.95
		For <100, Add	*11.58*	
		For >1,000, Deduct	*-11.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0249		Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0227)* Note: Excludes couplings and gaskets.		
33 42 11 00-0250		Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0249)*		
33 42 11 00-0251	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.77	7.59
		For <100, Add	*3.04*	
		For >1,000, Deduct	*-1.65*	
33 42 11 00-0252	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	22.00	8.83
		For <100, Add	*3.53*	
		For >1,000, Deduct	*-1.98*	
33 42 11 00-0253	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.99	10.26
		For <100, Add	*4.10*	
		For >1,000, Deduct	*-2.38*	
33 42 11 00-0254	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	30.60	10.62
		For <100, Add	*4.25*	
		For >1,000, Deduct	*-2.59*	
33 42 11 00-0255	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.14	11.00
		For <100, Add	*4.40*	
		For >1,000, Deduct	*-2.71*	
33 42 11 00-0256	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.40	11.39
		For <100, Add	*4.55*	
		For >1,000, Deduct	*-2.96*	
33 42 11 00-0257	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.92	11.80
		For <100, Add	*4.72*	
		For >1,000, Deduct	*-3.38*	
33 42 11 00-0258	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	59.95	13.83
		For <100, Add	*5.53*	
		For >1,000, Deduct	*-4.38*	
33 42 11 00-0259	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	85.24	18.61
		For <100, Add	*7.45*	
		For >1,000, Deduct	*-6.12*	
33 42 11 00-0260	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	111.55	23.52
		For <100, Add	*9.41*	
		For >1,000, Deduct	*-7.93*	
33 42 11 00-0261		Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0249)*		
33 42 11 00-0262	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.99	11.00
		For <100, Add	*4.40*	
		For >1,000, Deduct	*-2.70*	
33 42 11 00-0263	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.11	11.39
		For <100, Add	*4.55*	
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0264	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	44.99	11.80
		For <100, Add	*4.72*	
		For >1,000, Deduct	*-3.43*	
33 42 11 00-0265	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	61.65	13.83
		For <100, Add	*5.53*	
		For >1,000, Deduct	*-4.47*	
33 42 11 00-0266	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.59	18.61
		For <100, Add	*7.45*	
		For >1,000, Deduct	*-6.34*	
33 42 11 00-0267	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	115.01	23.52
		For <100, Add	*9.41*	
		For >1,000, Deduct	*-8.10*	
33 42 11 00-0268	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	149.43	25.66
		For <100, Add	*10.27*	
		For >1,000, Deduct	*-10.04*	
33 42 11 00-0269	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	163.04	28.95
		For <100, Add	*11.58*	
		For >1,000, Deduct	*-11.05*	
33 42 11 00-0270		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0227)* Note: Excludes couplings and gaskets.		
33 42 11 00-0271		Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0270)*		
33 42 11 00-0272	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	49.96	26.64
33 42 11 00-0273	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	60.31	31.09
33 42 11 00-0274	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	84.61	37.76
33 42 11 00-0275	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	117.82	46.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0276	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	167.35	55.52
33 42 11 00-0277	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	230.23	72.54
33 42 11 00-0278	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	324.31	97.70
33 42 11 00-0279	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	401.08	111.53
33 42 11 00-0280	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	633.85	128.80
33 42 11 00-0281	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	796.99	148.79
33 42 11 00-0282	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,254.93	177.66
33 42 11 00-0283	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,562.80	210.97
33 42 11 00-0284		**Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0270)*		
33 42 11 00-0285	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	60.49	26.64
33 42 11 00-0286	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	71.86	31.09
33 42 11 00-0287	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	91.90	37.76
33 42 11 00-0288	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	125.85	46.63
33 42 11 00-0289	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	193.20	55.52
33 42 11 00-0290	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	222.30	72.54
33 42 11 00-0291	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	308.88	97.70
33 42 11 00-0292		**22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0270)*		
33 42 11 00-0293	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	31.98	17.77
33 42 11 00-0294	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	38.24	20.73
33 42 11 00-0295	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	50.57	25.17
33 42 11 00-0296	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	63.04	31.09
33 42 11 00-0297	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	83.14	37.01
33 42 11 00-0298	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	119.91	47.38
33 42 11 00-0299	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	161.35	65.14
33 42 11 00-0300	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	255.18	74.02
33 42 11 00-0301	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	337.08	85.87
33 42 11 00-0302	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	393.55	99.19
33 42 11 00-0303	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	494.37	118.43
33 42 11 00-0304	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	648.30	140.64
33 42 11 00-0305		**45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0270)*		
33 42 11 00-0306	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	33.13	17.77
33 42 11 00-0307	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	40.64	20.73
33 42 11 00-0308	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	51.79	25.17
33 42 11 00-0309	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	73.00	31.09
33 42 11 00-0310	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	83.14	37.01
33 42 11 00-0311	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	119.71	47.38
33 42 11 00-0312	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	177.42	65.14
33 42 11 00-0313	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	267.59	74.02
33 42 11 00-0314	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	337.67	85.87
33 42 11 00-0315	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	420.29	99.19
33 42 11 00-0316	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	597.60	118.43
33 42 11 00-0317	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	740.82	140.64
33 42 11 00-0318		**Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings** *(33 42 11 00-0227)*		
		Note: For single and double wall high-density polyethylene (HDPE) piping.		
33 42 11 00-0319		**Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0318)*		
33 42 11 00-0320	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	0.69	
33 42 11 00-0321	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.23	
33 42 11 00-0322	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.90	
33 42 11 00-0323	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.33	
33 42 11 00-0324	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.51	
33 42 11 00-0325	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.57	
33 42 11 00-0326	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.28	
33 42 11 00-0327	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.41	
33 42 11 00-0328	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.91	
33 42 11 00-0329	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	16.90	
33 42 11 00-0330	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	26.56	
33 42 11 00-0331	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	35.92	
33 42 11 00-0332		**Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0318)*		
33 42 11 00-0333	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	36.37	
33 42 11 00-0334	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	38.09	
33 42 11 00-0335	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	39.88	
33 42 11 00-0336	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	41.75	
33 42 11 00-0337	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	49.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0338	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	51.13	
33 42 11 00-0339	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	53.33	
33 42 11 00-0340	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	60.74	
33 42 11 00-0341	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	97.37	
33 42 11 00-0342	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	106.66	
33 42 11 00-0343	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	116.21	
33 42 11 00-0344	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	141.14	

33 42 11 00-0345 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0318)*

33 42 11 00-0346	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	36.37	
33 42 11 00-0347	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	42.59	
33 42 11 00-0348	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	68.42	
33 42 11 00-0349	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	115.69	
33 42 11 00-0350	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	134.50	
33 42 11 00-0351	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	181.48	
33 42 11 00-0352	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	188.20	

33 42 11 00-0353 Corrugated Metal Piping *(33 42 11)*

33 42 11 00-0354 Galvanized Corrugated Steel Piping *(33 42 11 00-0353)*

33 42 11 00-0355 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0356 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*

33 42 11 00-0357	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	44.68	11.44
		For Bituminous Coated Pipe, Add	*5.06*	
		For Bituminous Coated And 25% Paved, Add	*10.35*	
		For Smooth-Flo, Add	*18.48*	
33 42 11 00-0358	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.94	11.99
		For Bituminous Coated Pipe, Add	*6.37*	
		For Bituminous Coated And 25% Paved, Add	*13.03*	
		For Smooth-Flo, Add	*23.27*	
33 42 11 00-0359	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	57.39	13.08
		For Bituminous Coated Pipe, Add	*7.71*	
		For Bituminous Coated And 25% Paved, Add	*15.78*	
		For Smooth-Flo, Add	*28.18*	
33 42 11 00-0360	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	65.66	14.17
		For Bituminous Coated Pipe, Add	*9.23*	
		For Bituminous Coated And 25% Paved, Add	*18.87*	
		For Smooth-Flo, Add	*33.71*	
33 42 11 00-0361	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.80	15.26
		For Bituminous Coated Pipe, Add	*10.38*	
		For Bituminous Coated And 25% Paved, Add	*21.24*	
		For Smooth-Flo, Add	*37.93*	
33 42 11 00-0362	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.92	19.62
		For Bituminous Coated Pipe, Add	*13.47*	
		For Bituminous Coated And 25% Paved, Add	*27.56*	
		For Smooth-Flo, Add	*49.22*	
33 42 11 00-0363	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	125.06	25.85
		For Bituminous Coated Pipe, Add	*17.00*	
		For Bituminous Coated And 25% Paved, Add	*34.76*	
		For Smooth-Flo, Add	*62.08*	
33 42 11 00-0364	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	142.91	30.55
		For Bituminous Coated Pipe, Add	*20.11*	
		For Bituminous Coated And 25% Paved, Add	*41.13*	
		For Smooth-Flo, Add	*73.46*	
33 42 11 00-0365	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	160.56	35.25
		For Bituminous Coated Pipe, Add	*22.53*	
		For Bituminous Coated And 25% Paved, Add	*46.07*	
		For Smooth-Flo, Add	*82.28*	

33 42 11 00-0366 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*

33 42 11 00-0367	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	49.19	11.44
		For Bituminous Coated Pipe, Add	*5.13*	
		For Bituminous Coated And 25% Paved, Add	*11.90*	
		For Smooth-Flo, Add	*24.05*	
33 42 11 00-0368	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	56.50	11.99
		For Bituminous Coated Pipe, Add	*6.44*	
		For Bituminous Coated And 25% Paved, Add	*14.92*	
		For Smooth-Flo, Add	*30.16*	
33 42 11 00-0369	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	64.12	13.08
		For Bituminous Coated Pipe, Add	*7.80*	
		For Bituminous Coated And 25% Paved, Add	*18.07*	
		For Smooth-Flo, Add	*36.53*	
33 42 11 00-0370	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	73.44	14.17
		For Bituminous Coated Pipe, Add	*9.27*	
		For Bituminous Coated And 25% Paved, Add	*21.49*	
		For Smooth-Flo, Add	*43.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0371	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	81.84	15.26
		For Bituminous Coated Pipe, Add	*10.49*	
		For Bituminous Coated And 25% Paved, Add	*24.31*	
		For Smooth-Flo, Add	*49.14*	
33 42 11 00-0372	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	106.95	19.62
		For Bituminous Coated Pipe, Add	*13.48*	
		For Bituminous Coated And 25% Paved, Add	*31.22*	
		For Smooth-Flo, Add	*63.11*	
33 42 11 00-0373	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	138.45	25.85
		For Bituminous Coated Pipe, Add	*16.89*	
		For Bituminous Coated And 25% Paved, Add	*39.13*	
		For Smooth-Flo, Add	*79.10*	
33 42 11 00-0374	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	158.24	30.55
		For Bituminous Coated Pipe, Add	*19.88*	
		For Bituminous Coated And 25% Paved, Add	*46.07*	
		For Smooth-Flo, Add	*93.11*	
33 42 11 00-0375	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	178.10	35.25
		For Bituminous Coated Pipe, Add	*22.35*	
		For Bituminous Coated And 25% Paved, Add	*51.77*	
		For Smooth-Flo, Add	*104.65*	
33 42 11 00-0376	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	213.45	39.95
		For Bituminous Coated Pipe, Add	*27.48*	
		For Bituminous Coated And 25% Paved, Add	*63.67*	
		For Smooth-Flo, Add	*128.69*	
33 42 11 00-0377		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*		
33 42 11 00-0378	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	78.04	13.08
		For Bituminous Coated Pipe, Add	*8.93*	
		For Bituminous Coated And 25% Paved, Add	*16.13*	
		For Smooth-Flo, Add	*30.99*	
33 42 11 00-0379	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	89.62	14.17
		For Bituminous Coated Pipe, Add	*10.56*	
		For Bituminous Coated And 25% Paved, Add	*19.06*	
		For Smooth-Flo, Add	*36.63*	
33 42 11 00-0380	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	100.27	14.17
		For Bituminous Coated Pipe, Add	*11.96*	
		For Bituminous Coated And 25% Paved, Add	*21.61*	
		For Smooth-Flo, Add	*41.52*	
33 42 11 00-0381	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	129.74	19.62
		For Bituminous Coated Pipe, Add	*15.22*	
		For Bituminous Coated And 25% Paved, Add	*27.48*	
		For Smooth-Flo, Add	*52.81*	
33 42 11 00-0382	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	165.50	25.85
		For Bituminous Coated Pipe, Add	*18.81*	
		For Bituminous Coated And 25% Paved, Add	*33.98*	
		For Smooth-Flo, Add	*65.30*	
33 42 11 00-0383	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	189.50	30.55
		For Bituminous Coated Pipe, Add	*22.05*	
		For Bituminous Coated And 25% Paved, Add	*39.81*	
		For Smooth-Flo, Add	*76.52*	
33 42 11 00-0384	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	213.92	35.25
		For Bituminous Coated Pipe, Add	*24.89*	
		For Bituminous Coated And 25% Paved, Add	*44.96*	
		For Smooth-Flo, Add	*86.40*	
33 42 11 00-0385	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	253.00	39.95
		For Bituminous Coated Pipe, Add	*29.85*	
		For Bituminous Coated And 25% Paved, Add	*53.91*	
		For Smooth-Flo, Add	*103.60*	
33 42 11 00-0386	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	276.66	42.30
		For Bituminous Coated Pipe, Add	*32.69*	
		For Bituminous Coated And 25% Paved, Add	*59.04*	
		For Smooth-Flo, Add	*113.46*	
33 42 11 00-0387	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	335.34	51.70
		For Bituminous Coated Pipe, Add	*39.80*	
		For Bituminous Coated And 25% Paved, Add	*71.87*	
		For Smooth-Flo, Add	*138.12*	
33 42 11 00-0388		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0355)*		
33 42 11 00-0389	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	190.82	25.85
		For Bituminous Coated Pipe, Add	*23.93*	
		For Bituminous Coated And 25% Paved, Add	*39.98*	
		For Smooth-Flo, Add	*57.05*	
33 42 11 00-0390	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	219.12	30.55
		For Bituminous Coated Pipe, Add	*28.04*	
		For Bituminous Coated And 25% Paved, Add	*46.84*	
		For Smooth-Flo, Add	*66.83*	
33 42 11 00-0391	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	247.54	35.25
		For Bituminous Coated Pipe, Add	*31.69*	
		For Bituminous Coated And 25% Paved, Add	*52.94*	
		For Smooth-Flo, Add	*75.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0392	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	290.67	39.95
		For Bituminous Coated Pipe, Add	*37.53*	
		For Bituminous Coated And 25% Paved, Add	*62.70*	
		For Smooth-Flo, Add	*89.46*	
33 42 11 00-0393	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	318.57	42.30
		For Bituminous Coated Pipe, Add	*41.22*	
		For Bituminous Coated And 25% Paved, Add	*68.86*	
		For Smooth-Flo, Add	*98.25*	
33 42 11 00-0394	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	381.40	51.70
		For Bituminous Coated Pipe, Add	*49.31*	
		For Bituminous Coated And 25% Paved, Add	*82.37*	
		For Smooth-Flo, Add	*117.53*	
33 42 11 00-0395	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	450.37	75.20
		For Bituminous Coated Pipe, Add	*52.94*	
		For Bituminous Coated And 25% Paved, Add	*88.44*	
		For Smooth-Flo, Add	*126.19*	
33 42 11 00-0396		**3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0354)*		
33 42 11 00-0397		**16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0396)*		
33 42 11 00-0398	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	148.27	25.85
		For Bituminous Coated Pipe, Add	*18.69*	
		For Bituminous Coated And 25% Paved, Add	*42.42*	
		For Smooth-Flo, Add	*84.47*	
33 42 11 00-0399	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	169.54	30.55
		For Bituminous Coated Pipe, Add	*21.95*	
		For Bituminous Coated And 25% Paved, Add	*49.82*	
		For Smooth-Flo, Add	*99.20*	
33 42 11 00-0400	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	190.55	35.25
		For Bituminous Coated Pipe, Add	*24.61*	
		For Bituminous Coated And 25% Paved, Add	*55.87*	
		For Smooth-Flo, Add	*111.26*	
33 42 11 00-0401	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	227.74	39.95
		For Bituminous Coated Pipe, Add	*30.07*	
		For Bituminous Coated And 25% Paved, Add	*68.25*	
		For Smooth-Flo, Add	*135.90*	
33 42 11 00-0402	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	248.14	42.30
		For Bituminous Coated Pipe, Add	*32.76*	
		For Bituminous Coated And 25% Paved, Add	*74.36*	
		For Smooth-Flo, Add	*148.06*	
33 42 11 00-0403	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	311.60	51.70
		For Bituminous Coated Pipe, Add	*42.07*	
		For Bituminous Coated And 25% Paved, Add	*95.51*	
		For Smooth-Flo, Add	*190.17*	
33 42 11 00-0404	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	373.78	75.20
		For Bituminous Coated Pipe, Add	*44.85*	
		For Bituminous Coated And 25% Paved, Add	*101.80*	
		For Smooth-Flo, Add	*202.70*	
33 42 11 00-0405	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	402.65	82.25
		For Bituminous Coated Pipe, Add	*47.63*	
		For Bituminous Coated And 25% Paved, Add	*108.12*	
		For Smooth-Flo, Add	*215.29*	
33 42 11 00-0406	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	428.31	88.13
		For Bituminous Coated Pipe, Add	*50.41*	
		For Bituminous Coated And 25% Paved, Add	*114.44*	
		For Smooth-Flo, Add	*227.87*	
33 42 11 00-0407	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	454.04	93.99
		For Bituminous Coated Pipe, Add	*53.21*	
		For Bituminous Coated And 25% Paved, Add	*120.78*	
		For Smooth-Flo, Add	*240.50*	
33 42 11 00-0408	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	480.51	99.87
		For Bituminous Coated Pipe, Add	*55.98*	
		For Bituminous Coated And 25% Paved, Add	*127.08*	
		For Smooth-Flo, Add	*253.04*	
33 42 11 00-0409	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	510.39	105.75
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*133.45*	
		For Smooth-Flo, Add	*265.72*	
33 42 11 00-0410		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0396)*		
33 42 11 00-0411	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	251.43	39.95
		For Bituminous Coated Pipe, Add	*34.80*	
		For Bituminous Coated And 25% Paved, Add	*68.22*	
		For Smooth-Flo, Add	*137.82*	
33 42 11 00-0412	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	274.35	42.30
		For Bituminous Coated Pipe, Add	*38.00*	
		For Bituminous Coated And 25% Paved, Add	*74.48*	
		For Smooth-Flo, Add	*150.47*	
33 42 11 00-0413	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	340.43	51.70
		For Bituminous Coated Pipe, Add	*47.84*	
		For Bituminous Coated And 25% Paved, Add	*93.77*	
		For Smooth-Flo, Add	*189.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0414	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	405.19	75.20
		For Bituminous Coated Pipe, Add	*51.13*	
		For Bituminous Coated And 25% Paved, Add	*100.21*	
		For Smooth-Flo, Add	*202.47*	
33 42 11 00-0415	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	436.58	82.25
		For Bituminous Coated Pipe, Add	*54.42*	
		For Bituminous Coated And 25% Paved, Add	*106.66*	
		For Smooth-Flo, Add	*215.49*	
33 42 11 00-0416	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	464.92	88.13
		For Bituminous Coated Pipe, Add	*57.74*	
		For Bituminous Coated And 25% Paved, Add	*113.16*	
		For Smooth-Flo, Add	*228.63*	
33 42 11 00-0417	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	493.12	93.99
		For Bituminous Coated Pipe, Add	*61.02*	
		For Bituminous Coated And 25% Paved, Add	*119.61*	
		For Smooth-Flo, Add	*241.66*	
33 42 11 00-0418	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	522.16	99.87
		For Bituminous Coated Pipe, Add	*64.31*	
		For Bituminous Coated And 25% Paved, Add	*126.05*	
		For Smooth-Flo, Add	*254.68*	
33 42 11 00-0419	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	554.56	105.75
		For Bituminous Coated Pipe, Add	*67.62*	
		For Bituminous Coated And 25% Paved, Add	*132.54*	
		For Smooth-Flo, Add	*267.78*	
33 42 11 00-0420	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	589.66	117.50
		For Bituminous Coated Pipe, Add	*70.93*	
		For Bituminous Coated And 25% Paved, Add	*139.03*	
		For Smooth-Flo, Add	*280.89*	
33 42 11 00-0421	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	623.96	129.24
		For Bituminous Coated Pipe, Add	*74.18*	
		For Bituminous Coated And 25% Paved, Add	*145.39*	
		For Smooth-Flo, Add	*293.74*	
33 42 11 00-0422		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0396)*		
33 42 11 00-0423	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	332.49	42.30
		For Bituminous Coated Pipe, Add	*49.63*	
		For Bituminous Coated And 25% Paved, Add	*94.54*	
		For Smooth-Flo, Add	*154.09*	
33 42 11 00-0424	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	404.83	51.70
		For Bituminous Coated Pipe, Add	*60.72*	
		For Bituminous Coated And 25% Paved, Add	*115.67*	
		For Smooth-Flo, Add	*188.54*	
33 42 11 00-0425	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	475.21	75.20
		For Bituminous Coated Pipe, Add	*65.13*	
		For Bituminous Coated And 25% Paved, Add	*124.08*	
		For Smooth-Flo, Add	*202.23*	
33 42 11 00-0426	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	512.27	82.25
		For Bituminous Coated Pipe, Add	*69.55*	
		For Bituminous Coated And 25% Paved, Add	*132.50*	
		For Smooth-Flo, Add	*215.97*	
33 42 11 00-0427	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	546.23	88.13
		For Bituminous Coated Pipe, Add	*74.00*	
		For Bituminous Coated And 25% Paved, Add	*140.97*	
		For Smooth-Flo, Add	*229.76*	
33 42 11 00-0428	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	580.11	93.99
		For Bituminous Coated Pipe, Add	*78.42*	
		For Bituminous Coated And 25% Paved, Add	*149.39*	
		For Smooth-Flo, Add	*243.50*	
33 42 11 00-0429	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	614.87	99.87
		For Bituminous Coated Pipe, Add	*82.85*	
		For Bituminous Coated And 25% Paved, Add	*157.84*	
		For Smooth-Flo, Add	*257.26*	
33 42 11 00-0430	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	652.94	105.75
		For Bituminous Coated Pipe, Add	*87.30*	
		For Bituminous Coated And 25% Paved, Add	*166.30*	
		For Smooth-Flo, Add	*271.06*	
33 42 11 00-0431	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	693.60	117.50
		For Bituminous Coated Pipe, Add	*91.72*	
		For Bituminous Coated And 25% Paved, Add	*174.73*	
		For Smooth-Flo, Add	*284.79*	
33 42 11 00-0432	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	733.63	129.24
		For Bituminous Coated Pipe, Add	*96.11*	
		For Bituminous Coated And 25% Paved, Add	*183.09*	
		For Smooth-Flo, Add	*298.43*	
33 42 11 00-0433	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	772.45	141.00
		For Bituminous Coated Pipe, Add	*100.56*	
		For Bituminous Coated And 25% Paved, Add	*191.56*	
		For Smooth-Flo, Add	*312.23*	
33 42 11 00-0434		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0396)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0435	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	540.50	75.20
		For Bituminous Coated Pipe, Add	*78.19*	
		For Bituminous Coated And 25% Paved, Add	*148.56*	
		For Smooth-Flo, Add	*198.60*	
33 42 11 00-0436	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	582.92	82.25
		For Bituminous Coated Pipe, Add	*83.68*	
		For Bituminous Coated And 25% Paved, Add	*159.00*	
		For Smooth-Flo, Add	*212.56*	
33 42 11 00-0437	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	622.24	88.13
		For Bituminous Coated Pipe, Add	*89.20*	
		For Bituminous Coated And 25% Paved, Add	*169.48*	
		For Smooth-Flo, Add	*226.57*	
33 42 11 00-0438	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	661.47	93.99
		For Bituminous Coated Pipe, Add	*94.69*	
		For Bituminous Coated And 25% Paved, Add	*179.92*	
		For Smooth-Flo, Add	*240.52*	
33 42 11 00-0439	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	701.59	99.87
		For Bituminous Coated Pipe, Add	*100.20*	
		For Bituminous Coated And 25% Paved, Add	*190.38*	
		For Smooth-Flo, Add	*254.50*	
33 42 11 00-0440	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	745.02	105.75
		For Bituminous Coated Pipe, Add	*105.71*	
		For Bituminous Coated And 25% Paved, Add	*200.86*	
		For Smooth-Flo, Add	*268.51*	
33 42 11 00-0441	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	791.04	117.50
		For Bituminous Coated Pipe, Add	*111.21*	
		For Bituminous Coated And 25% Paved, Add	*211.30*	
		For Smooth-Flo, Add	*282.47*	
33 42 11 00-0442	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	836.37	129.24
		For Bituminous Coated Pipe, Add	*116.66*	
		For Bituminous Coated And 25% Paved, Add	*221.65*	
		For Smooth-Flo, Add	*296.32*	
33 42 11 00-0443	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	880.60	141.00
		For Bituminous Coated Pipe, Add	*122.19*	
		For Bituminous Coated And 25% Paved, Add	*232.15*	
		For Smooth-Flo, Add	*310.35*	
33 42 11 00-0444	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	926.90	152.75
		For Bituminous Coated Pipe, Add	*127.66*	
		For Bituminous Coated And 25% Paved, Add	*242.55*	
		For Smooth-Flo, Add	*324.26*	
33 42 11 00-0445	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	976.24	164.50
		For Bituminous Coated Pipe, Add	*133.17*	
		For Bituminous Coated And 25% Paved, Add	*253.03*	
		For Smooth-Flo, Add	*338.26*	
33 42 11 00-0446	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,029.21	176.25
		For Bituminous Coated Pipe, Add	*138.70*	
		For Bituminous Coated And 25% Paved, Add	*263.53*	
		For Smooth-Flo, Add	*352.30*	

33 42 11 00-0447 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*

33 42 11 00-0448 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0447)*

33 42 11 00-0449	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	191.23	35.25
		For Bituminous Coated Pipe, Add	*30.94*	
		For Bituminous Coated And 25% Paved, Add	*70.54*	
		For Smooth-Flo, Add	*111.99*	
33 42 11 00-0450	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	229.05	39.95
		For Bituminous Coated Pipe, Add	*37.91*	
		For Bituminous Coated And 25% Paved, Add	*86.43*	
		For Smooth-Flo, Add	*137.23*	
33 42 11 00-0451	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	249.29	42.30
		For Bituminous Coated Pipe, Add	*41.23*	
		For Bituminous Coated And 25% Paved, Add	*94.01*	
		For Smooth-Flo, Add	*149.26*	
33 42 11 00-0452	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	308.87	51.70
		For Bituminous Coated Pipe, Add	*51.91*	
		For Bituminous Coated And 25% Paved, Add	*118.35*	
		For Smooth-Flo, Add	*187.91*	
33 42 11 00-0453	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	370.74	75.20
		For Bituminous Coated Pipe, Add	*55.30*	
		For Bituminous Coated And 25% Paved, Add	*126.08*	
		For Smooth-Flo, Add	*200.18*	
33 42 11 00-0454	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	399.19	82.25
		For Bituminous Coated Pipe, Add	*58.67*	
		For Bituminous Coated And 25% Paved, Add	*133.77*	
		For Smooth-Flo, Add	*212.39*	
33 42 11 00-0455	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	424.37	88.13
		For Bituminous Coated Pipe, Add	*62.03*	
		For Bituminous Coated And 25% Paved, Add	*141.43*	
		For Smooth-Flo, Add	*224.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0456	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	449.53	93.99
		For Bituminous Coated Pipe, Add	*65.38*	
		For Bituminous Coated And 25% Paved, Add	*149.07*	
		For Smooth-Flo, Add	*236.68*	
33 42 11 00-0457	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	475.73	99.87
		For Bituminous Coated Pipe, Add	*68.78*	
		For Bituminous Coated And 25% Paved, Add	*156.82*	
		For Smooth-Flo, Add	*248.99*	
33 42 11 00-0458	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	505.50	105.75
		For Bituminous Coated Pipe, Add	*72.26*	
		For Bituminous Coated And 25% Paved, Add	*164.76*	
		For Smooth-Flo, Add	*261.59*	
33 42 11 00-0459		**14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0447)*		
33 42 11 00-0460	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	258.68	39.95
		For Bituminous Coated Pipe, Add	*36.25*	
		For Bituminous Coated And 25% Paved, Add	*85.20*	
		For Smooth-Flo, Add	*154.26*	
33 42 11 00-0461	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	282.23	42.30
		For Bituminous Coated Pipe, Add	*39.57*	
		For Bituminous Coated And 25% Paved, Add	*93.00*	
		For Smooth-Flo, Add	*168.39*	
33 42 11 00-0462	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	344.79	51.70
		For Bituminous Coated Pipe, Add	*48.71*	
		For Bituminous Coated And 25% Paved, Add	*114.47*	
		For Smooth-Flo, Add	*207.27*	
33 42 11 00-0463	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	409.55	75.20
		For Bituminous Coated Pipe, Add	*52.00*	
		For Bituminous Coated And 25% Paved, Add	*122.20*	
		For Smooth-Flo, Add	*221.26*	
33 42 11 00-0464	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	441.52	82.25
		For Bituminous Coated Pipe, Add	*55.40*	
		For Bituminous Coated And 25% Paved, Add	*130.20*	
		For Smooth-Flo, Add	*235.74*	
33 42 11 00-0465	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	470.02	88.13
		For Bituminous Coated Pipe, Add	*58.76*	
		For Bituminous Coated And 25% Paved, Add	*138.08*	
		For Smooth-Flo, Add	*250.01*	
33 42 11 00-0466	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	496.80	93.99
		For Bituminous Coated Pipe, Add	*61.76*	
		For Bituminous Coated And 25% Paved, Add	*145.14*	
		For Smooth-Flo, Add	*262.79*	
33 42 11 00-0467	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	527.78	99.87
		For Bituminous Coated Pipe, Add	*65.44*	
		For Bituminous Coated And 25% Paved, Add	*153.77*	
		For Smooth-Flo, Add	*278.43*	
33 42 11 00-0468	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	560.34	105.75
		For Bituminous Coated Pipe, Add	*68.78*	
		For Bituminous Coated And 25% Paved, Add	*161.63*	
		For Smooth-Flo, Add	*292.65*	
33 42 11 00-0469	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	595.43	117.50
		For Bituminous Coated Pipe, Add	*72.09*	
		For Bituminous Coated And 25% Paved, Add	*169.40*	
		For Smooth-Flo, Add	*306.73*	
33 42 11 00-0470	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	630.47	129.24
		For Bituminous Coated Pipe, Add	*75.48*	
		For Bituminous Coated And 25% Paved, Add	*177.38*	
		For Smooth-Flo, Add	*321.17*	
33 42 11 00-0471		**12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0447)*		
33 42 11 00-0472	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	343.89	42.30
		For Bituminous Coated Pipe, Add	*51.91*	
		For Bituminous Coated And 25% Paved, Add	*98.62*	
		For Smooth-Flo, Add	*178.04*	
33 42 11 00-0473	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	412.71	51.70
		For Bituminous Coated Pipe, Add	*62.30*	
		For Bituminous Coated And 25% Paved, Add	*118.36*	
		For Smooth-Flo, Add	*213.68*	
33 42 11 00-0474	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	483.93	75.20
		For Bituminous Coated Pipe, Add	*66.88*	
		For Bituminous Coated And 25% Paved, Add	*127.06*	
		For Smooth-Flo, Add	*229.38*	
33 42 11 00-0475	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	521.62	82.25
		For Bituminous Coated Pipe, Add	*71.42*	
		For Bituminous Coated And 25% Paved, Add	*135.71*	
		For Smooth-Flo, Add	*244.98*	
33 42 11 00-0476	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.90	88.13
		For Bituminous Coated Pipe, Add	*75.93*	
		For Bituminous Coated And 25% Paved, Add	*144.27*	
		For Smooth-Flo, Add	*260.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0477	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	590.51	93.99
		For Bituminous Coated Pipe, Add	*80.50*	
		For Bituminous Coated And 25% Paved, Add	*152.95*	
		For Smooth-Flo, Add	*276.12*	
33 42 11 00-0478	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	625.80	99.87
		For Bituminous Coated Pipe, Add	*85.04*	
		For Bituminous Coated And 25% Paved, Add	*161.58*	
		For Smooth-Flo, Add	*291.69*	
33 42 11 00-0479	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	664.29	105.75
		For Bituminous Coated Pipe, Add	*89.57*	
		For Bituminous Coated And 25% Paved, Add	*170.18*	
		For Smooth-Flo, Add	*307.22*	
33 42 11 00-0480	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	705.69	117.50
		For Bituminous Coated Pipe, Add	*94.14*	
		For Bituminous Coated And 25% Paved, Add	*178.86*	
		For Smooth-Flo, Add	*322.89*	
33 42 11 00-0481	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.45	129.24
		For Bituminous Coated Pipe, Add	*98.68*	
		For Bituminous Coated And 25% Paved, Add	*187.48*	
		For Smooth-Flo, Add	*338.46*	
33 42 11 00-0482	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	785.74	141.00
		For Bituminous Coated Pipe, Add	*103.21*	
		For Bituminous Coated And 25% Paved, Add	*196.11*	
		For Smooth-Flo, Add	*354.02*	
33 42 11 00-0483		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0447)*		
33 42 11 00-0484	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.16	75.20
		For Bituminous Coated Pipe, Add	*81.12*	
		For Bituminous Coated And 25% Paved, Add	*154.13*	
		For Smooth-Flo, Add	*242.15*	
33 42 11 00-0485	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	599.47	82.25
		For Bituminous Coated Pipe, Add	*86.99*	
		For Bituminous Coated And 25% Paved, Add	*165.29*	
		For Smooth-Flo, Add	*259.68*	
33 42 11 00-0486	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	639.94	88.13
		For Bituminous Coated Pipe, Add	*92.74*	
		For Bituminous Coated And 25% Paved, Add	*176.21*	
		For Smooth-Flo, Add	*276.83*	
33 42 11 00-0487	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	680.17	93.99
		For Bituminous Coated Pipe, Add	*98.43*	
		For Bituminous Coated And 25% Paved, Add	*187.02*	
		For Smooth-Flo, Add	*293.83*	
33 42 11 00-0488	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	721.55	99.87
		For Bituminous Coated Pipe, Add	*104.19*	
		For Bituminous Coated And 25% Paved, Add	*197.96*	
		For Smooth-Flo, Add	*311.01*	
33 42 11 00-0489	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	765.92	105.75
		For Bituminous Coated Pipe, Add	*109.89*	
		For Bituminous Coated And 25% Paved, Add	*208.80*	
		For Smooth-Flo, Add	*328.03*	
33 42 11 00-0490	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	813.21	117.50
		For Bituminous Coated Pipe, Add	*115.64*	
		For Bituminous Coated And 25% Paved, Add	*219.72*	
		For Smooth-Flo, Add	*345.19*	
33 42 11 00-0491	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	859.96	129.24
		For Bituminous Coated Pipe, Add	*121.38*	
		For Bituminous Coated And 25% Paved, Add	*230.62*	
		For Smooth-Flo, Add	*362.31*	
33 42 11 00-0492	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	905.08	141.00
		For Bituminous Coated Pipe, Add	*127.08*	
		For Bituminous Coated And 25% Paved, Add	*241.46*	
		For Smooth-Flo, Add	*379.34*	
33 42 11 00-0493	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	961.67	152.75
		For Bituminous Coated Pipe, Add	*134.61*	
		For Bituminous Coated And 25% Paved, Add	*255.77*	
		For Smooth-Flo, Add	*401.82*	
33 42 11 00-0494	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,014.48	164.50
		For Bituminous Coated Pipe, Add	*140.82*	
		For Bituminous Coated And 25% Paved, Add	*267.56*	
		For Smooth-Flo, Add	*420.35*	
33 42 11 00-0495	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,072.07	176.25
		For Bituminous Coated Pipe, Add	*147.27*	
		For Bituminous Coated And 25% Paved, Add	*279.82*	
		For Smooth-Flo, Add	*439.61*	
33 42 11 00-0496		Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0354)*		
33 42 11 00-0497		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0496)*		
33 42 11 00-0498	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	66.43	13.08
		For Bituminous Coated Pipe, Add	*9.53*	
33 42 11 00-0499	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	76.27	14.17
		For Bituminous Coated Pipe, Add	*11.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0500	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	85.25	15.26
		For Bituminous Coated Pipe, Add	*12.90*	
33 42 11 00-0501	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	111.57	19.62
		For Bituminous Coated Pipe, Add	*16.62*	
33 42 11 00-0502	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	144.23	25.85
		For Bituminous Coated Pipe, Add	*20.83*	
33 42 11 00-0503	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	165.23	30.55
		For Bituminous Coated Pipe, Add	*24.56*	
33 42 11 00-0504	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	186.14	35.25
		For Bituminous Coated Pipe, Add	*27.65*	
33 42 11 00-0505	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	222.75	39.95
		For Bituminous Coated Pipe, Add	*33.86*	
33 42 11 00-0506	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	243.04	42.30
		For Bituminous Coated Pipe, Add	*36.97*	
33 42 11 00-0507		**14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0496)*		
33 42 11 00-0508	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	73.26	13.08
		For Bituminous Coated Pipe, Add	*11.03*	
33 42 11 00-0509	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	84.26	14.17
		For Bituminous Coated Pipe, Add	*13.10*	
33 42 11 00-0510	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	94.34	15.26
		For Bituminous Coated Pipe, Add	*14.89*	
33 42 11 00-0511	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	122.86	19.62
		For Bituminous Coated Pipe, Add	*19.09*	
33 42 11 00-0512	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	157.83	25.85
		For Bituminous Coated Pipe, Add	*23.79*	
33 42 11 00-0513	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	181.15	30.55
		For Bituminous Coated Pipe, Add	*28.03*	
33 42 11 00-0514	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	204.31	35.25
		For Bituminous Coated Pipe, Add	*31.61*	
33 42 11 00-0515	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	243.18	39.95
		For Bituminous Coated Pipe, Add	*38.29*	
33 42 11 00-0516	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	265.78	42.30
		For Bituminous Coated Pipe, Add	*41.91*	
33 42 11 00-0517	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	326.62	51.70
		For Bituminous Coated Pipe, Add	*52.07*	
33 42 11 00-0518	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	390.38	75.20
		For Bituminous Coated Pipe, Add	*55.63*	
33 42 11 00-0519	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	421.04	82.25
		For Bituminous Coated Pipe, Add	*59.26*	
33 42 11 00-0520		**12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0496)*		
33 42 11 00-0521	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	145.76	19.62
		For Bituminous Coated Pipe, Add	*19.94*	
33 42 11 00-0522	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	185.20	25.85
		For Bituminous Coated Pipe, Add	*24.64*	
33 42 11 00-0523	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	213.19	30.55
		For Bituminous Coated Pipe, Add	*28.99*	
33 42 11 00-0524	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	240.87	35.25
		For Bituminous Coated Pipe, Add	*32.77*	
33 42 11 00-0525	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	284.36	39.95
		For Bituminous Coated Pipe, Add	*39.11*	
33 42 11 00-0526	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	311.59	42.30
		For Bituminous Coated Pipe, Add	*42.95*	
33 42 11 00-0527	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	376.89	51.70
		For Bituminous Coated Pipe, Add	*52.10*	
33 42 11 00-0528	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	445.17	75.20
		For Bituminous Coated Pipe, Add	*55.87*	
33 42 11 00-0529	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	480.34	82.25
		For Bituminous Coated Pipe, Add	*59.69*	
33 42 11 00-0530	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	512.20	88.13
		For Bituminous Coated Pipe, Add	*63.50*	
33 42 11 00-0531	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	544.02	93.99
		For Bituminous Coated Pipe, Add	*67.29*	
33 42 11 00-0532	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	576.69	99.87
		For Bituminous Coated Pipe, Add	*71.08*	
33 42 11 00-0533	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	610.39	105.75
		For Bituminous Coated Pipe, Add	*74.45*	
33 42 11 00-0534		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0354)*		
33 42 11 00-0535		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0534)*		
33 42 11 00-0536	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.02	6.54
		For Bituminous Coated Pipe, Add	*2.44*	
33 42 11 00-0537	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	25.06	6.54
		For Bituminous Coated Pipe, Add	*2.94*	
33 42 11 00-0538	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.01	8.17
		For Bituminous Coated Pipe, Add	*3.22*	
33 42 11 00-0539	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	31.59	8.17
		For Bituminous Coated Pipe, Add	*3.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0540		LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	36.65	9.81
			For Bituminous Coated Pipe, Add	*4.05*	
33 42 11 00-0541		LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	39.93	9.81
			For Bituminous Coated Pipe, Add	*4.85*	
33 42 11 00-0542			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0543		LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.31	6.54
			For Bituminous Coated Pipe, Add	*2.40*	
33 42 11 00-0544		LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	25.28	6.54
			For Bituminous Coated Pipe, Add	*2.87*	
33 42 11 00-0545		LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.29	8.17
			For Bituminous Coated Pipe, Add	*3.16*	
33 42 11 00-0546		LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	32.03	8.17
			For Bituminous Coated Pipe, Add	*3.80*	
33 42 11 00-0547		LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	37.14	9.81
			For Bituminous Coated Pipe, Add	*4.00*	
33 42 11 00-0548		LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	40.49	9.81
			For Bituminous Coated Pipe, Add	*4.79*	
33 42 11 00-0549			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0534)*		
33 42 11 00-0550		EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.05	
			For Bituminous Coated Pipe, Add	*3.39*	
33 42 11 00-0551		EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.92	
			For Bituminous Coated Pipe, Add	*4.48*	
33 42 11 00-0552		EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.42	
			For Bituminous Coated Pipe, Add	*5.49*	
33 42 11 00-0553		EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	54.27	
			For Bituminous Coated Pipe, Add	*7.49*	
33 42 11 00-0554		EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.98	
			For Bituminous Coated Pipe, Add	*1.71*	
33 42 11 00-0555		EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.10	
			For Bituminous Coated Pipe, Add	*2.56*	
33 42 11 00-0556			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0354)*		
33 42 11 00-0557			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0558		LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	74.54	11.44
33 42 11 00-0559		LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	88.58	11.99
33 42 11 00-0560		LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	103.04	13.08
33 42 11 00-0561		LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	120.21	14.17
33 42 11 00-0562		LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	134.27	15.26
33 42 11 00-0563		LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	175.54	19.62
33 42 11 00-0564		LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	225.61	25.85
33 42 11 00-0565		LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	261.83	30.55
33 42 11 00-0566		LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	293.80	35.25
33 42 11 00-0567			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0568		LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	85.53	11.44
33 42 11 00-0569		LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	102.20	11.99
33 42 11 00-0570		LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	119.35	13.08
33 42 11 00-0571		LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	139.10	14.17
33 42 11 00-0572		LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	156.20	15.26
33 42 11 00-0573		LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	202.46	19.62
33 42 11 00-0574		LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.11	25.85
33 42 11 00-0575		LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	299.13	30.55
33 42 11 00-0576		LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	336.37	35.25
33 42 11 00-0577		LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	408.13	39.95
33 42 11 00-0578			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0579		LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	153.34	13.08
33 42 11 00-0580		LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	178.78	14.17
33 42 11 00-0581		LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	201.33	15.26
33 42 11 00-0582		LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.83	19.62
33 42 11 00-0583		LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	311.93	25.85
33 42 11 00-0584		LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	377.98	30.55
33 42 11 00-0585		LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	426.36	35.25
33 42 11 00-0586		LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	510.81	39.95
33 42 11 00-0587		LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	558.23	42.30
33 42 11 00-0588		LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	684.09	51.70
33 42 11 00-0589			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0556)*		
33 42 11 00-0590		LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	387.54	25.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0591	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	449.82	30.55
33 42 11 00-0592	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	507.95	35.25
33 42 11 00-0593	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	602.22	39.95
33 42 11 00-0594	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	659.98	42.30
33 42 11 00-0595	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	795.84	51.70
33 42 11 00-0596	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	894.27	75.20
33 42 11 00-0597		**3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0354)*		
33 42 11 00-0598		**16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0597)*		
33 42 11 00-0599	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	288.01	25.85
33 42 11 00-0600	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	333.78	30.55
33 42 11 00-0601	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	374.47	35.25
33 42 11 00-0602	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	454.01	39.95
33 42 11 00-0603	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	494.34	42.30
33 42 11 00-0604	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	630.60	51.70
33 42 11 00-0605	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	713.38	75.20
33 42 11 00-0606	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	762.77	82.25
33 42 11 00-0607	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	809.07	88.13
33 42 11 00-0608	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	855.43	93.99
33 42 11 00-0609	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	902.47	99.87
33 42 11 00-0610	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	953.06	105.75
33 42 11 00-0611		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0597)*		
33 42 11 00-0612	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	512.77	39.95
33 42 11 00-0613	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	559.29	42.30
33 42 11 00-0614	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	702.15	51.70
33 42 11 00-0615	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	791.19	75.20
33 42 11 00-0616	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	846.94	82.25
33 42 11 00-0617	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	899.83	88.13
33 42 11 00-0618	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	952.36	93.99
33 42 11 00-0619	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,005.71	99.87
33 42 11 00-0620	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,062.71	105.75
33 42 11 00-0621	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,122.25	117.50
33 42 11 00-0622	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,180.55	129.24
33 42 11 00-0623		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0597)*		
33 42 11 00-0624	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	707.07	42.30
33 42 11 00-0625	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	866.54	51.70
33 42 11 00-0626	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	969.84	75.20
33 42 11 00-0627	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,039.91	82.25
33 42 11 00-0628	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,107.05	88.13
33 42 11 00-0629	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,173.93	93.99
33 42 11 00-0630	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,241.73	99.87
33 42 11 00-0631	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,312.96	105.75
33 42 11 00-0632	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,386.63	117.50
33 42 11 00-0633	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,459.46	129.24
33 42 11 00-0634	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,531.47	141.00
33 42 11 00-0635		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0597)*		
33 42 11 00-0636	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,132.62	75.20
33 42 11 00-0637	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,215.96	82.25
33 42 11 00-0638	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,296.48	88.13
33 42 11 00-0639	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,376.67	93.99
33 42 11 00-0640	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,457.86	99.87
33 42 11 00-0641	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,542.45	105.75
33 42 11 00-0642	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,629.49	117.50
33 42 11 00-0643	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,715.61	129.24
33 42 11 00-0644	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,800.97	141.00
33 42 11 00-0645	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,888.17	152.75
33 42 11 00-0646	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,978.67	164.50
33 42 11 00-0647	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,072.82	176.25
33 42 11 00-0648		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0354)*		
33 42 11 00-0649		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0648)*		
33 42 11 00-0650	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	361.80	35.25
33 42 11 00-0651	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	440.07	39.95
33 42 11 00-0652	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	478.36	42.30
33 42 11 00-0653	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	600.91	51.70
33 42 11 00-0654	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	681.26	75.20
33 42 11 00-0655	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	728.12	82.25
33 42 11 00-0656	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	771.55	88.13
33 42 11 00-0657	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	814.89	93.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0658	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	859.54	99.87
33 42 11 00-0659	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	908.37	105.75
33 42 11 00-0660		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0648)*		
33 42 11 00-0661	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	509.87	39.95
33 42 11 00-0662	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	556.10	42.30
33 42 11 00-0663	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	685.69	51.70
33 42 11 00-0664	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	772.87	75.20
33 42 11 00-0665	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	828.01	82.25
33 42 11 00-0666	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	879.22	88.13
33 42 11 00-0667	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	926.46	93.99
33 42 11 00-0668	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	982.43	99.87
33 42 11 00-0669	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,037.75	105.75
33 42 11 00-0670	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,095.30	117.50
33 42 11 00-0671	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,153.42	129.24
33 42 11 00-0672		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0648)*		
33 42 11 00-0673	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	711.91	42.30
33 42 11 00-0674	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	858.08	51.70
33 42 11 00-0675	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	961.54	75.20
33 42 11 00-0676	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,031.00	82.25
33 42 11 00-0677	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,096.82	88.13
33 42 11 00-0678	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,163.51	93.99
33 42 11 00-0679	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,230.62	99.87
33 42 11 00-0680	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,300.76	105.75
33 42 11 00-0681	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,374.22	117.50
33 42 11 00-0682	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,446.79	129.24
33 42 11 00-0683	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,517.85	141.00
33 42 11 00-0684		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0648)*		
33 42 11 00-0685	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,132.55	75.20
33 42 11 00-0686	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,217.92	82.25
33 42 11 00-0687	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,298.72	88.13
33 42 11 00-0688	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,378.86	93.99
33 42 11 00-0689	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,460.46	99.87
33 42 11 00-0690	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,544.90	105.75
33 42 11 00-0691	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,632.35	117.50
33 42 11 00-0692	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,719.28	129.24
33 42 11 00-0693	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,804.45	141.00
33 42 11 00-0694	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,913.76	152.75
33 42 11 00-0695	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,010.13	164.50
33 42 11 00-0696	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,112.88	176.25
33 42 11 00-0697		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0353)*		
33 42 11 00-0698		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0699		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0698)*		
33 42 11 00-0700	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	52.46	11.99
		For Bituminous Coated Pipe, Add	*6.93*	
		For Bituminous Coated And 25% Paved, Add	*16.76*	
		For Smooth-Flo, Add	*27.65*	
33 42 11 00-0701	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	58.76	13.08
		For Bituminous Coated Pipe, Add	*8.28*	
		For Bituminous Coated And 25% Paved, Add	*20.02*	
		For Smooth-Flo, Add	*33.02*	
33 42 11 00-0702	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	67.55	14.17
		For Bituminous Coated Pipe, Add	*9.96*	
		For Bituminous Coated And 25% Paved, Add	*24.09*	
		For Smooth-Flo, Add	*39.74*	
33 42 11 00-0703	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	76.01	15.26
		For Bituminous Coated Pipe, Add	*11.48*	
		For Bituminous Coated And 25% Paved, Add	*27.76*	
		For Smooth-Flo, Add	*45.80*	
33 42 11 00-0704	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	98.81	19.62
		For Bituminous Coated Pipe, Add	*14.58*	
		For Bituminous Coated And 25% Paved, Add	*35.26*	
		For Smooth-Flo, Add	*58.16*	
33 42 11 00-0705	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	130.36	25.85
		For Bituminous Coated Pipe, Add	*18.81*	
		For Bituminous Coated And 25% Paved, Add	*45.47*	
		For Smooth-Flo, Add	*75.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0706		**14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0698)*		
33 42 11 00-0707	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	58.08	11.99
		For Bituminous Coated Pipe, Add	*7.19*	
		For Bituminous Coated And 25% Paved, Add	*16.83*	
		For Smooth-Flo, Add	*27.60*	
33 42 11 00-0708	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.64	13.08
		For Bituminous Coated Pipe, Add	*8.63*	
		For Bituminous Coated And 25% Paved, Add	*20.19*	
		For Smooth-Flo, Add	*33.11*	
33 42 11 00-0709	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	75.22	14.17
		For Bituminous Coated Pipe, Add	*10.25*	
		For Bituminous Coated And 25% Paved, Add	*23.99*	
		For Smooth-Flo, Add	*39.34*	
33 42 11 00-0710	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	84.88	15.26
		For Bituminous Coated Pipe, Add	*11.82*	
		For Bituminous Coated And 25% Paved, Add	*27.66*	
		For Smooth-Flo, Add	*45.37*	
33 42 11 00-0711	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	109.89	19.62
		For Bituminous Coated Pipe, Add	*14.97*	
		For Bituminous Coated And 25% Paved, Add	*35.03*	
		For Smooth-Flo, Add	*57.46*	
33 42 11 00-0712	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	143.55	25.85
		For Bituminous Coated Pipe, Add	*19.07*	
		For Bituminous Coated And 25% Paved, Add	*44.63*	
		For Smooth-Flo, Add	*73.19*	
33 42 11 00-0713	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	165.49	30.55
		For Bituminous Coated Pipe, Add	*22.72*	
		For Bituminous Coated And 25% Paved, Add	*53.16*	
		For Smooth-Flo, Add	*87.19*	
33 42 11 00-0714		**12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0698)*		
33 42 11 00-0715	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	86.03	14.10
		For Bituminous Coated Pipe, Add	*9.33*	
		For Bituminous Coated And 25% Paved, Add	*20.77*	
		For Smooth-Flo, Add	*31.93*	
33 42 11 00-0716	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	98.61	15.27
		For Bituminous Coated Pipe, Add	*11.07*	
		For Bituminous Coated And 25% Paved, Add	*24.63*	
		For Smooth-Flo, Add	*37.88*	
33 42 11 00-0717	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	110.98	16.45
		For Bituminous Coated Pipe, Add	*12.69*	
		For Bituminous Coated And 25% Paved, Add	*28.25*	
		For Smooth-Flo, Add	*43.44*	
33 42 11 00-0718	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	143.00	21.15
		For Bituminous Coated Pipe, Add	*15.98*	
		For Bituminous Coated And 25% Paved, Add	*35.57*	
		For Smooth-Flo, Add	*54.69*	
33 42 11 00-0719	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	170.44	25.85
		For Bituminous Coated Pipe, Add	*20.00*	
		For Bituminous Coated And 25% Paved, Add	*44.51*	
		For Smooth-Flo, Add	*68.44*	
33 42 11 00-0720	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	196.54	30.55
		For Bituminous Coated Pipe, Add	*23.65*	
		For Bituminous Coated And 25% Paved, Add	*52.64*	
		For Smooth-Flo, Add	*80.94*	
33 42 11 00-0721	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	229.63	35.25
		For Bituminous Coated Pipe, Add	*28.05*	
		For Bituminous Coated And 25% Paved, Add	*62.43*	
		For Smooth-Flo, Add	*95.99*	
33 42 11 00-0722	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	256.47	39.95
		For Bituminous Coated Pipe, Add	*30.98*	
		For Bituminous Coated And 25% Paved, Add	*68.94*	
		For Smooth-Flo, Add	*106.00*	
33 42 11 00-0723		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0698)*		
33 42 11 00-0724	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	195.76	25.85
		For Bituminous Coated Pipe, Add	*24.10*	
		For Bituminous Coated And 25% Paved, Add	*50.73*	
		For Smooth-Flo, Add	*63.98*	
33 42 11 00-0725	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	226.05	30.55
		For Bituminous Coated Pipe, Add	*28.43*	
		For Bituminous Coated And 25% Paved, Add	*59.85*	
		For Smooth-Flo, Add	*75.47*	
33 42 11 00-0726	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.09	35.25
		For Bituminous Coated Pipe, Add	*33.45*	
		For Bituminous Coated And 25% Paved, Add	*70.42*	
		For Smooth-Flo, Add	*88.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0727	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	294.29	39.95
		For Bituminous Coated Pipe, Add	*37.09*	
		For Bituminous Coated And 25% Paved, Add	*78.08*	
		For Smooth-Flo, Add	*98.46*	
33 42 11 00-0728	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	322.46	42.30
		For Bituminous Coated Pipe, Add	*40.72*	
		For Bituminous Coated And 25% Paved, Add	*85.72*	
		For Smooth-Flo, Add	*108.10*	
33 42 11 00-0729		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0730		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0729)*		
33 42 11 00-0731	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	256.10	39.95
		For Bituminous Coated Pipe, Add	*35.74*	
		For Bituminous Coated And 25% Paved, Add	*108.64*	
		For Smooth-Flo, Add	*121.51*	
33 42 11 00-0732	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	279.91	42.30
		For Bituminous Coated Pipe, Add	*39.11*	
		For Bituminous Coated And 25% Paved, Add	*118.89*	
		For Smooth-Flo, Add	*132.97*	
33 42 11 00-0733	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	346.84	51.70
		For Bituminous Coated Pipe, Add	*49.12*	
		For Bituminous Coated And 25% Paved, Add	*149.33*	
		For Smooth-Flo, Add	*167.01*	
33 42 11 00-0734	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	412.86	75.20
		For Bituminous Coated Pipe, Add	*52.66*	
		For Bituminous Coated And 25% Paved, Add	*160.09*	
		For Smooth-Flo, Add	*179.05*	
33 42 11 00-0735	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	446.41	82.25
		For Bituminous Coated Pipe, Add	*56.38*	
		For Bituminous Coated And 25% Paved, Add	*171.40*	
		For Smooth-Flo, Add	*191.70*	
33 42 11 00-0736	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	476.85	88.13
		For Bituminous Coated Pipe, Add	*60.12*	
		For Bituminous Coated And 25% Paved, Add	*182.77*	
		For Smooth-Flo, Add	*204.41*	
33 42 11 00-0737	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	507.20	93.99
		For Bituminous Coated Pipe, Add	*63.84*	
		For Bituminous Coated And 25% Paved, Add	*194.07*	
		For Smooth-Flo, Add	*217.06*	
33 42 11 00-0738	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	538.34	99.87
		For Bituminous Coated Pipe, Add	*67.55*	
		For Bituminous Coated And 25% Paved, Add	*205.35*	
		For Smooth-Flo, Add	*229.66*	
33 42 11 00-0739		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0729)*		
33 42 11 00-0740	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	338.11	42.30
		For Bituminous Coated Pipe, Add	*50.75*	
		For Bituminous Coated And 25% Paved, Add	*132.97*	
		For Smooth-Flo, Add	*157.33*	
33 42 11 00-0741	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	411.40	51.70
		For Bituminous Coated Pipe, Add	*62.03*	
		For Bituminous Coated And 25% Paved, Add	*162.53*	
		For Smooth-Flo, Add	*192.31*	
33 42 11 00-0742	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	483.14	75.20
		For Bituminous Coated Pipe, Add	*66.72*	
		For Bituminous Coated And 25% Paved, Add	*174.80*	
		For Smooth-Flo, Add	*206.83*	
33 42 11 00-0743	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	522.36	82.25
		For Bituminous Coated Pipe, Add	*71.57*	
		For Bituminous Coated And 25% Paved, Add	*187.52*	
		For Smooth-Flo, Add	*221.87*	
33 42 11 00-0744	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	558.47	88.13
		For Bituminous Coated Pipe, Add	*76.45*	
		For Bituminous Coated And 25% Paved, Add	*200.29*	
		For Smooth-Flo, Add	*236.98*	
33 42 11 00-0745	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	594.55	93.99
		For Bituminous Coated Pipe, Add	*81.31*	
		For Bituminous Coated And 25% Paved, Add	*213.03*	
		For Smooth-Flo, Add	*252.06*	
33 42 11 00-0746	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	631.37	99.87
		For Bituminous Coated Pipe, Add	*86.15*	
		For Bituminous Coated And 25% Paved, Add	*225.72*	
		For Smooth-Flo, Add	*267.08*	
33 42 11 00-0747	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	671.69	105.75
		For Bituminous Coated Pipe, Add	*91.05*	
		For Bituminous Coated And 25% Paved, Add	*238.55*	
		For Smooth-Flo, Add	*282.25*	
33 42 11 00-0748	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	714.56	117.50
		For Bituminous Coated Pipe, Add	*95.91*	
		For Bituminous Coated And 25% Paved, Add	*251.29*	
		For Smooth-Flo, Add	*297.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0749	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	759.37	129.24
		For Bituminous Coated Pipe, Add	*101.26*	
		For Bituminous Coated And 25% Paved, Add	*265.30*	
		For Smooth-Flo, Add	*313.91*	
33 42 11 00-0750		**10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0729)*		
33 42 11 00-0751	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	548.43	75.20
		For Bituminous Coated Pipe, Add	*79.78*	
		For Bituminous Coated And 25% Paved, Add	*189.87*	
		For Smooth-Flo, Add	*206.22*	
33 42 11 00-0752	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	593.06	82.25
		For Bituminous Coated Pipe, Add	*85.71*	
		For Bituminous Coated And 25% Paved, Add	*203.99*	
		For Smooth-Flo, Add	*221.57*	
33 42 11 00-0753	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	634.53	88.13
		For Bituminous Coated Pipe, Add	*91.66*	
		For Bituminous Coated And 25% Paved, Add	*218.15*	
		For Smooth-Flo, Add	*236.94*	
33 42 11 00-0754	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	675.86	93.99
		For Bituminous Coated Pipe, Add	*97.57*	
		For Bituminous Coated And 25% Paved, Add	*232.22*	
		For Smooth-Flo, Add	*252.22*	
33 42 11 00-0755	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	718.09	99.87
		For Bituminous Coated Pipe, Add	*103.50*	
		For Bituminous Coated And 25% Paved, Add	*246.33*	
		For Smooth-Flo, Add	*267.54*	
33 42 11 00-0756	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	763.72	105.75
		For Bituminous Coated Pipe, Add	*109.45*	
		For Bituminous Coated And 25% Paved, Add	*260.50*	
		For Smooth-Flo, Add	*282.94*	
33 42 11 00-0757	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	811.95	117.50
		For Bituminous Coated Pipe, Add	*115.39*	
		For Bituminous Coated And 25% Paved, Add	*274.63*	
		For Smooth-Flo, Add	*298.28*	
33 42 11 00-0758	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	861.69	129.24
		For Bituminous Coated Pipe, Add	*121.72*	
		For Bituminous Coated And 25% Paved, Add	*289.70*	
		For Smooth-Flo, Add	*314.66*	
33 42 11 00-0759	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	916.32	141.00
		For Bituminous Coated Pipe, Add	*129.33*	
		For Bituminous Coated And 25% Paved, Add	*307.81*	
		For Smooth-Flo, Add	*334.32*	
33 42 11 00-0760		**125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0697)*		
33 42 11 00-0761		**12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0760)*		
33 42 11 00-0762	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	489.55	75.20
		For Bituminous Coated Pipe, Add	*68.00*	
		For Bituminous Coated And 25% Paved, Add	*165.92*	
		For Smooth-Flo, Add	*211.14*	
33 42 11 00-0763	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	528.14	82.25
		For Bituminous Coated Pipe, Add	*72.73*	
		For Bituminous Coated And 25% Paved, Add	*177.46*	
		For Smooth-Flo, Add	*225.82*	
33 42 11 00-0764	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	563.25	88.13
		For Bituminous Coated Pipe, Add	*77.40*	
		For Bituminous Coated And 25% Paved, Add	*188.86*	
		For Smooth-Flo, Add	*240.33*	
33 42 11 00-0765	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	598.39	93.99
		For Bituminous Coated Pipe, Add	*82.08*	
		For Bituminous Coated And 25% Paved, Add	*200.27*	
		For Smooth-Flo, Add	*254.85*	
33 42 11 00-0766	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	634.52	99.87
		For Bituminous Coated Pipe, Add	*86.78*	
		For Bituminous Coated And 25% Paved, Add	*211.75*	
		For Smooth-Flo, Add	*269.46*	
33 42 11 00-0767	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	674.32	105.75
		For Bituminous Coated Pipe, Add	*91.57*	
		For Bituminous Coated And 25% Paved, Add	*223.44*	
		For Smooth-Flo, Add	*284.34*	
33 42 11 00-0768	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	716.66	117.50
		For Bituminous Coated Pipe, Add	*96.33*	
		For Bituminous Coated And 25% Paved, Add	*235.05*	
		For Smooth-Flo, Add	*299.11*	
33 42 11 00-0769	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	764.57	129.24
		For Bituminous Coated Pipe, Add	*102.30*	
		For Bituminous Coated And 25% Paved, Add	*249.61*	
		For Smooth-Flo, Add	*317.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0770		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0760)*		
33 42 11 00-0771	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	561.83	75.20
		For Bituminous Coated Pipe, Add	*82.46*	
		For Bituminous Coated And 25% Paved, Add	*186.35*	
		For Smooth-Flo, Add	*202.43*	
33 42 11 00-0772	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	606.19	82.25
		For Bituminous Coated Pipe, Add	*88.34*	
		For Bituminous Coated And 25% Paved, Add	*199.64*	
		For Smooth-Flo, Add	*216.87*	
33 42 11 00-0773	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	647.19	88.13
		For Bituminous Coated Pipe, Add	*94.19*	
		For Bituminous Coated And 25% Paved, Add	*212.87*	
		For Smooth-Flo, Add	*231.24*	
33 42 11 00-0774	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	688.36	93.99
		For Bituminous Coated Pipe, Add	*100.07*	
		For Bituminous Coated And 25% Paved, Add	*226.16*	
		For Smooth-Flo, Add	*245.68*	
33 42 11 00-0775	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	729.38	99.87
		For Bituminous Coated Pipe, Add	*105.76*	
		For Bituminous Coated And 25% Paved, Add	*239.01*	
		For Smooth-Flo, Add	*259.63*	
33 42 11 00-0776	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	775.85	105.75
		For Bituminous Coated Pipe, Add	*111.88*	
		For Bituminous Coated And 25% Paved, Add	*252.85*	
		For Smooth-Flo, Add	*274.67*	
33 42 11 00-0777	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	824.18	117.50
		For Bituminous Coated Pipe, Add	*117.84*	
		For Bituminous Coated And 25% Paved, Add	*266.31*	
		For Smooth-Flo, Add	*289.29*	
33 42 11 00-0778	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	878.02	129.24
		For Bituminous Coated Pipe, Add	*124.99*	
		For Bituminous Coated And 25% Paved, Add	*282.48*	
		For Smooth-Flo, Add	*306.85*	
33 42 11 00-0779	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	928.40	141.00
		For Bituminous Coated Pipe, Add	*131.75*	
		For Bituminous Coated And 25% Paved, Add	*297.75*	
		For Smooth-Flo, Add	*323.44*	
33 42 11 00-0780		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0781		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0780)*		
33 42 11 00-0782	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.68	11.99
33 42 11 00-0783	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	102.05	13.08
33 42 11 00-0784	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	119.78	14.17
33 42 11 00-0785	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	136.28	15.26
33 42 11 00-0786	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	175.58	19.62
33 42 11 00-0787	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	230.10	25.85
33 42 11 00-0788		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0780)*		
33 42 11 00-0789	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	101.60	11.99
33 42 11 00-0790	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.83	13.08
33 42 11 00-0791	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	137.42	14.17
33 42 11 00-0792	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	156.77	15.26
33 42 11 00-0793	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	201.06	19.62
33 42 11 00-0794	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	260.40	25.85
33 42 11 00-0795	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	304.99	30.55
33 42 11 00-0796		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0780)*		
33 42 11 00-0797	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	156.55	13.08
33 42 11 00-0798	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.27	14.17
33 42 11 00-0799	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	208.70	15.26
33 42 11 00-0800	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	265.88	19.62
33 42 11 00-0801	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	338.68	25.85
33 42 11 00-0802	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	396.16	30.55
33 42 11 00-0803	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	467.98	35.25
33 42 11 00-0804	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	518.97	39.95
33 42 11 00-0805		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0780)*		
33 42 11 00-0806	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.09	25.85
33 42 11 00-0807	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	467.80	30.55
33 42 11 00-0808	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	549.20	35.25
33 42 11 00-0809	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	610.80	39.95
33 42 11 00-0810	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	669.23	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0811		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0812		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0811)*		
33 42 11 00-0813	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	524.31	39.95
33 42 11 00-0814	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	572.86	42.30
33 42 11 00-0815	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	717.89	51.70
33 42 11 00-0816	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	810.10	75.20
33 42 11 00-0817	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	871.21	82.25
33 42 11 00-0818	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	929.31	88.13
33 42 11 00-0819	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	987.16	93.99
33 42 11 00-0820	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,045.97	99.87
33 42 11 00-0821		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0811)*		
33 42 11 00-0822	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	720.92	42.30
33 42 11 00-0823	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	882.71	51.70
33 42 11 00-0824	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	989.48	75.20
33 42 11 00-0825	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,064.89	82.25
33 42 11 00-0826	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,137.36	88.13
33 42 11 00-0827	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,209.74	93.99
33 42 11 00-0828	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,282.78	99.87
33 42 11 00-0829	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,359.57	105.75
33 42 11 00-0830	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,438.75	117.50
33 42 11 00-0831	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,523.50	129.24
33 42 11 00-0832		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0811)*		
33 42 11 00-0833	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,152.22	75.20
33 42 11 00-0834	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,241.08	82.25
33 42 11 00-0835	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,326.99	88.13
33 42 11 00-0836	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,412.45	93.99
33 42 11 00-0837	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,498.89	99.87
33 42 11 00-0838	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,588.99	105.75
33 42 11 00-0839	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,681.57	117.50
33 42 11 00-0840	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,778.54	129.24
33 42 11 00-0841	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,889.89	141.00
33 42 11 00-0842		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0697)*		
33 42 11 00-0843		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0842)*		
33 42 11 00-0844	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	974.85	75.20
33 42 11 00-0845	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,046.60	82.25
33 42 11 00-0846	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,114.50	88.13
33 42 11 00-0847	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,182.33	93.99
33 42 11 00-0848	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,251.42	99.87
33 42 11 00-0849	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,324.80	105.75
33 42 11 00-0850	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,400.45	117.50
33 42 11 00-0851	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,490.14	129.24
33 42 11 00-0852		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0842)*		
33 42 11 00-0853	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,148.41	75.20
33 42 11 00-0854	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,233.94	82.25
33 42 11 00-0855	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,315.93	88.13
33 42 11 00-0856	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,398.32	93.99
33 42 11 00-0857	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,479.25	99.87
33 42 11 00-0858	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,568.54	105.75
33 42 11 00-0859	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,658.64	117.50
33 42 11 00-0860	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,762.77	129.24
33 42 11 00-0861	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,860.21	141.00
33 42 11 00-0862		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0353)*		
33 42 11 00-0863		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0862)*		
33 42 11 00-0864		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0863)*		
33 42 11 00-0865	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	49.30	11.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.31*	
33 42 11 00-0866	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.77	11.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.99*	
33 42 11 00-0867	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.48	13.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0868	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.12	14.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.82*	
33 42 11 00-0869	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.36	15.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.20*	
33 42 11 00-0870	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.31	19.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.50*	
33 42 11 00-0871	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.71	25.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.70*	
33 42 11 00-0872	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.40	30.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.04*	
33 42 11 00-0873	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.30	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.98*	

33 42 11 00-0874 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0863)*

33 42 11 00-0875	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.87	11.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.80*	
33 42 11 00-0876	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.65	11.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.29*	
33 42 11 00-0877	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.68	13.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.86*	
33 42 11 00-0878	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.63	14.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.67*	
33 42 11 00-0879	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	93.39	15.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.00*	
33 42 11 00-0880	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.81	19.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.69*	
33 42 11 00-0881	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	157.05	25.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.20*	
33 42 11 00-0882	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.20	30.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.92*	
33 42 11 00-0883	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.73	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.60*	
33 42 11 00-0884	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.71	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.38*	

33 42 11 00-0885 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0863)*

33 42 11 00-0886	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.91	13.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.85*	
33 42 11 00-0887	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.75	14.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.39*	
33 42 11 00-0888	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	116.24	15.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.57*	
33 42 11 00-0889	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.33	19.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.67*	
33 42 11 00-0890	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.45	25.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.37*	
33 42 11 00-0891	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	220.07	30.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.46*	
33 42 11 00-0892	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	248.22	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.86*	
33 42 11 00-0893	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	295.66	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.92*	
33 42 11 00-0894	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.99	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.31*	
33 42 11 00-0895	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	394.69	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.09*	

33 42 11 00-0896 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0863)*

33 42 11 00-0897	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.39	25.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.17*	
33 42 11 00-0898	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.26	30.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.72*	
33 42 11 00-0899	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.30	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.59*	
33 42 11 00-0900	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	341.72	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.75*	
33 42 11 00-0901	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.25	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.66*	
33 42 11 00-0902	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	451.00	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.16*	
33 42 11 00-0903	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	524.53	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.00*	

33 42 11 00-0904 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0862)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0905		**16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0906	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	165.03	25.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.57*	
33 42 11 00-0907	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.23	30.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.30*	
33 42 11 00-0908	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	212.61	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.80*	
33 42 11 00-0909	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.69	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.05*	
33 42 11 00-0910	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.50	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.60*	
33 42 11 00-0911	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.31	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.83*	
33 42 11 00-0912	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.97	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.55*	
33 42 11 00-0913	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.30	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.28*	
33 42 11 00-0914	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	473.48	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.03*	
33 42 11 00-0915	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	501.69	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.79*	
33 42 11 00-0916	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.67	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.52*	
33 42 11 00-0917	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.07	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.32*	
33 42 11 00-0918		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0919	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.63	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.77*	
33 42 11 00-0920	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	308.38	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.69*	
33 42 11 00-0921	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	383.29	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.90*	
33 42 11 00-0922	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	451.00	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.98*	
33 42 11 00-0923	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	485.33	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.06*	
33 42 11 00-0924	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	516.66	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.19*	
33 42 11 00-0925	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	547.80	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.27*	
33 42 11 00-0926	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	579.79	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.35*	
33 42 11 00-0927	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	615.17	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.46*	
33 42 11 00-0928	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	653.21	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.57*	
33 42 11 00-0929	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	690.45	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.59*	
33 42 11 00-0930		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0931	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	377.03	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.73*	
33 42 11 00-0932	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	459.30	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.32*	
33 42 11 00-0933	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	533.62	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.31*	
33 42 11 00-0934	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	574.68	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.34*	
33 42 11 00-0935	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	612.63	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.39*	
33 42 11 00-0936	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	650.49	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.41*	
33 42 11 00-0937	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	689.14	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.42*	
33 42 11 00-0938	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	731.20	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*138.47*	
33 42 11 00-0939	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	775.86	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.49*	
33 42 11 00-0940	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.83	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*152.46*	
33 42 11 00-0941	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	862.64	141.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*159.51*	
33 42 11 00-0942		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0904)*		
33 42 11 00-0943	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	610.68	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0944	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	657.93	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.69*	
33 42 11 00-0945	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	702.24	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.65*	
33 42 11 00-0946	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	746.35	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.55*	
33 42 11 00-0947	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	791.41	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*162.47*	
33 42 11 00-0948	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	839.83	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.43*	
33 42 11 00-0949	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	890.73	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*180.33*	
33 42 11 00-0950	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	941.00	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*189.18*	
33 42 11 00-0951	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	990.17	141.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*198.14*	
33 42 11 00-0952	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,041.40	152.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*207.02*	
33 42 11 00-0953	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,095.69	164.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*215.96*	
33 42 11 00-0954	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,153.59	176.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*224.92*	

33 42 11 00-0955 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0862)

33 42 11 00-0956 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*

33 42 11 00-0957	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.50	35.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.93*	
33 42 11 00-0958	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.31	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.11*	
33 42 11 00-0959	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.92	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.86*	
33 42 11 00-0960	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.16	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.56*	
33 42 11 00-0961	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.45	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.45*	
33 42 11 00-0962	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	441.36	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.33*	
33 42 11 00-0963	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	468.97	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.17*	
33 42 11 00-0964	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	496.49	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*132.96*	
33 42 11 00-0965	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	525.16	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.89*	
33 42 11 00-0966	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.45	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*146.97*	

33 42 11 00-0967 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*

33 42 11 00-0968	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	291.24	39.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.70*	
33 42 11 00-0969	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	317.84	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.38*	
33 42 11 00-0970	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.55	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.69*	
33 42 11 00-0971	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.30	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.30*	
33 42 11 00-0972	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	491.32	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.12*	
33 42 11 00-0973	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	522.81	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.83*	
33 42 11 00-0974	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	552.32	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*123.87*	
33 42 11 00-0975	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	586.56	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.23*	
33 42 11 00-0976	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	622.16	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.94*	
33 42 11 00-0977	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	660.25	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.59*	
33 42 11 00-0978	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	698.33	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.39*	

33 42 11 00-0979 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*

33 42 11 00-0980	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	390.59	42.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.58*	
33 42 11 00-0981	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	468.75	51.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0982	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	544.13	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.85*	
33 42 11 00-0983	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	585.86	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*120.51*	
33 42 11 00-0984	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.23	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.13*	
33 42 11 00-0985	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	662.99	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.85*	
33 42 11 00-0986	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	702.33	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.49*	
33 42 11 00-0987	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	744.91	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.14*	
33 42 11 00-0988	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	790.41	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*158.85*	
33 42 11 00-0989	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	835.27	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.51*	
33 42 11 00-0990	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	878.66	141.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*174.17*	
33 42 11 00-0991		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0955)*		
33 42 11 00-0992	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	628.22	75.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.90*	
33 42 11 00-0993	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	677.78	82.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*146.80*	
33 42 11 00-0994	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	723.46	88.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.50*	
33 42 11 00-0995	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	768.83	93.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.12*	
33 42 11 00-0996	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	815.31	99.87
		For 1/2 Bituminous Coated And 25% Paved, Add	*175.81*	
33 42 11 00-0997	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	864.88	105.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*185.45*	
33 42 11 00-0998	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	917.31	117.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*195.14*	
33 42 11 00-0999	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	969.21	129.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*204.82*	
33 42 11 00-1000	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,019.48	141.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*214.45*	
33 42 11 00-1001	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,082.90	152.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*227.17*	
33 42 11 00-1002	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,141.28	164.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*237.64*	
33 42 11 00-1003	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,204.65	176.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*248.52*	
33 42 11 00-1004		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0862)*		
33 42 11 00-1005		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1004)*		
33 42 11 00-1006	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	73.89	13.08
33 42 11 00-1007	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	84.99	14.17
33 42 11 00-1008	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	95.23	15.26
33 42 11 00-1009	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	124.02	19.62
33 42 11 00-1010	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	159.15	25.85
33 42 11 00-1011	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	182.67	30.55
33 42 11 00-1012	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	206.04	35.25
33 42 11 00-1013	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	245.18	39.95
33 42 11 00-1014	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	267.94	42.30
33 42 11 00-1015		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1004)*		
33 42 11 00-1016	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	81.98	13.08
33 42 11 00-1017	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	94.45	14.17
33 42 11 00-1018	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	105.95	15.26
33 42 11 00-1019	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	137.41	19.62
33 42 11 00-1020	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	175.27	25.85
33 42 11 00-1021	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	201.53	30.55
33 42 11 00-1022	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	227.58	35.25
33 42 11 00-1023	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	269.39	39.95
33 42 11 00-1024	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	294.94	42.30
33 42 11 00-1025	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	358.98	51.70
33 42 11 00-1026	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	425.63	75.20
33 42 11 00-1027	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	459.17	82.25
33 42 11 00-1028		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1004)*		
33 42 11 00-1029	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	164.57	19.62
33 42 11 00-1030	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	207.79	25.85
33 42 11 00-1031	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	239.61	30.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1032	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	271.02	35.25
33 42 11 00-1033	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	318.24	39.95
33 42 11 00-1034	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	349.30	42.30
33 42 11 00-1035	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	418.64	51.70
33 42 11 00-1036	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	490.65	75.20
33 42 11 00-1037	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	529.61	82.25
33 42 11 00-1038	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	565.20	88.13
33 42 11 00-1039	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	600.85	93.99
33 42 11 00-1040	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	637.20	99.87
33 42 11 00-1041	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	674.27	105.75

33 42 11 00-1042 Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0353)*

33 42 11 00-1043 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1042)*

33 42 11 00-1044 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1043)*

33 42 11 00-1045	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.66	11.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.78*	
33 42 11 00-1046	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	66.17	13.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.05*	
33 42 11 00-1047	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	76.43	14.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.11*	
33 42 11 00-1048	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	86.25	15.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.79*	
33 42 11 00-1049	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	111.83	19.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.29*	
33 42 11 00-1050	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	147.17	25.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.52*	

33 42 11 00-1051 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1043)*

33 42 11 00-1052	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	65.54	11.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.39*	
33 42 11 00-1053	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	74.52	13.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.83*	
33 42 11 00-1054	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	85.83	14.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.78*	
33 42 11 00-1055	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	97.12	15.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.57*	
33 42 11 00-1056	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	125.38	19.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*36.18*	
33 42 11 00-1057	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	163.30	25.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*46.10*	
33 42 11 00-1058	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	189.02	30.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.91*	

33 42 11 00-1059 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1043)*

33 42 11 00-1060	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	91.54	13.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.08*	
33 42 11 00-1061	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	106.00	14.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.68*	
33 42 11 00-1062	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	119.97	15.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.03*	
33 42 11 00-1063	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	153.91	19.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.85*	
33 42 11 00-1064	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	197.75	25.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.30*	
33 42 11 00-1065	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	229.21	30.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.96*	
33 42 11 00-1066	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	269.18	35.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*58.29*	
33 42 11 00-1067	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	299.75	39.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*64.26*	

33 42 11 00-1068 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1043)*

33 42 11 00-1069	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	228.69	25.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.47*	
33 42 11 00-1070	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	265.29	30.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*51.37*	
33 42 11 00-1071	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	310.10	35.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.66*	
33 42 11 00-1072	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	346.03	39.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*67.16*	
33 42 11 00-1073	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	378.93	42.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1074		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1042)*		
33 42 11 00-1075		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1074)*		
33 42 11 00-1076	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	288.14	39.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*96.51*	
33 42 11 00-1077	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	314.95	42.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.61*	
33 42 11 00-1078	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	390.86	51.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*132.65*	
33 42 11 00-1079	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	460.03	75.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*142.20*	
33 42 11 00-1080	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	496.94	82.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*152.26*	
33 42 11 00-1081	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	530.69	88.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*162.34*	
33 42 11 00-1082	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	564.35	93.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.37*	
33 42 11 00-1083	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	598.90	99.87
		For 1/2 Bituminous Coated And 40% Paved, Add	*182.42*	
33 42 11 00-1084		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1074)*		
33 42 11 00-1085	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	383.65	42.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*120.02*	
33 42 11 00-1086	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	467.02	51.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*146.68*	
33 42 11 00-1087	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	542.97	75.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*157.76*	
33 42 11 00-1088	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	586.49	82.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*169.22*	
33 42 11 00-1089	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	627.02	88.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*180.76*	
33 42 11 00-1090	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	667.46	93.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*192.26*	
33 42 11 00-1091	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	708.63	99.87
		For 1/2 Bituminous Coated And 40% Paved, Add	*203.72*	
33 42 11 00-1092	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	753.32	105.75
		For 1/2 Bituminous Coated And 40% Paved, Add	*215.28*	
33 42 11 00-1093	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	800.55	117.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*226.79*	
33 42 11 00-1094	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	850.19	129.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*239.45*	
33 42 11 00-1095		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1074)*		
33 42 11 00-1096	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	619.97	75.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*170.76*	
33 42 11 00-1097	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	669.91	82.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*183.46*	
33 42 11 00-1098	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	716.73	88.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*196.20*	
33 42 11 00-1099	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	763.37	93.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*208.86*	
33 42 11 00-1100	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	815.15	99.87
		For 1/2 Bituminous Coated And 40% Paved, Add	*223.08*	
33 42 11 00-1101	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	861.89	105.75
		For 1/2 Bituminous Coated And 40% Paved, Add	*234.29*	
33 42 11 00-1102	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	915.47	117.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*247.01*	
33 42 11 00-1103	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	970.84	129.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*260.55*	
33 42 11 00-1104	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,032.29	141.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*276.83*	
33 42 11 00-1105		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1042)*		
33 42 11 00-1106		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1105)*		
33 42 11 00-1107	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	550.74	75.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*155.26*	
33 42 11 00-1108	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	593.58	82.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*166.05*	
33 42 11 00-1109	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	632.95	88.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*176.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1110	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	672.29	93.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.42*	
33 42 11 00-1111	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	712.62	99.87
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.15*	
33 42 11 00-1112	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	756.73	105.75
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.09*	
33 42 11 00-1113	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	803.38	117.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*219.96*	
33 42 11 00-1114	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	856.65	129.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.59*	
33 42 11 00-1115		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1105)*		
33 42 11 00-1116	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	636.05	75.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.22*	
33 42 11 00-1117	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	685.72	82.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*184.51*	
33 42 11 00-1118	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	731.97	88.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*196.73*	
33 42 11 00-1119	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	778.44	93.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.02*	
33 42 11 00-1120	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	824.61	99.87
		For 1/2 Bituminous Coated And 40% Paved, Add	*220.90*	
33 42 11 00-1121	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	876.54	105.75
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.67*	
33 42 11 00-1122	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	930.29	117.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*246.13*	
33 42 11 00-1123	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	990.53	129.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*261.06*	
33 42 11 00-1124	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,047.00	141.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*275.17*	
33 42 11 00-1125		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0353)*		
33 42 11 00-1126		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1125)*		
33 42 11 00-1127		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1126)*		
33 42 11 00-1128	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	29.70	6.54
		For Bituminous Coated Pipe, Add	*3.19*	
33 42 11 00-1129	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	38.42	8.17
		For Bituminous Coated Pipe, Add	*4.33*	
33 42 11 00-1130	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	49.86	9.81
		For Bituminous Coated Pipe, Add	*5.71*	
33 42 11 00-1131		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1126)*		
33 42 11 00-1132	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	33.36	6.54
		For Bituminous Coated Pipe, Add	*3.16*	
33 42 11 00-1133	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	43.60	8.17
		For Bituminous Coated Pipe, Add	*4.33*	
33 42 11 00-1134	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	56.76	9.81
		For Bituminous Coated Pipe, Add	*5.72*	
33 42 11 00-1135		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1125)*		
33 42 11 00-1136		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1135)*		
33 42 11 00-1137	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	57.71	11.44
		For Bituminous Coated Pipe, Add	*6.28*	
33 42 11 00-1138	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	67.21	11.99
		For Bituminous Coated Pipe, Add	*7.88*	
33 42 11 00-1139	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	77.27	13.08
		For Bituminous Coated Pipe, Add	*9.58*	
33 42 11 00-1140	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	89.32	14.17
		For Bituminous Coated Pipe, Add	*11.43*	
33 42 11 00-1141	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	99.95	15.26
		For Bituminous Coated Pipe, Add	*12.96*	
33 42 11 00-1142		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1135)*		
33 42 11 00-1143	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	65.56	11.44
		For Bituminous Coated Pipe, Add	*6.14*	
33 42 11 00-1144	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	77.21	11.99
		For Bituminous Coated Pipe, Add	*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1145	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	89.26	13.08
		For Bituminous Coated Pipe, Add	*9.37*	
33 42 11 00-1146	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	103.21	14.17
		For Bituminous Coated Pipe, Add	*11.12*	
33 42 11 00-1147	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	115.90	15.26
		For Bituminous Coated Pipe, Add	*12.64*	
33 42 11 00-1148	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	150.48	19.62
		For Bituminous Coated Pipe, Add	*16.21*	
33 42 11 00-1149	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	191.90	25.85
		For Bituminous Coated Pipe, Add	*20.15*	
33 42 11 00-1150		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1151	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	146.40	15.26
		For Bituminous Coated Pipe, Add	*12.00*	
33 42 11 00-1152	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	188.44	19.62
		For Bituminous Coated Pipe, Add	*15.26*	
33 42 11 00-1153	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.49	25.85
		For Bituminous Coated Pipe, Add	*18.81*	
33 42 11 00-1154	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	274.64	30.55
		For Bituminous Coated Pipe, Add	*22.13*	
33 42 11 00-1155	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	310.65	35.25
		For Bituminous Coated Pipe, Add	*25.05*	
33 42 11 00-1156	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	365.90	39.95
		For Bituminous Coated Pipe, Add	*29.71*	
33 42 11 00-1157		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1135)*		
33 42 11 00-1158	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	286.09	25.85
		For Bituminous Coated Pipe, Add	*18.50*	
33 42 11 00-1159	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	331.25	30.55
		For Bituminous Coated Pipe, Add	*21.72*	
33 42 11 00-1160	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	375.54	35.25
		For Bituminous Coated Pipe, Add	*24.64*	
33 42 11 00-1161	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	438.89	39.95
		For Bituminous Coated Pipe, Add	*28.92*	
33 42 11 00-1162	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	482.69	42.30
		For Bituminous Coated Pipe, Add	*31.87*	
33 42 11 00-1163		**3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1125)*		
33 42 11 00-1164		**16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1163)*		
33 42 11 00-1165	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	148.00	19.62
33 42 11 00-1166	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	188.80	25.85
33 42 11 00-1167	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	216.83	30.55
33 42 11 00-1168	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	245.61	35.25
33 42 11 00-1169	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	290.54	39.95
33 42 11 00-1170		**14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1163)*		
33 42 11 00-1171	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	168.00	19.62
33 42 11 00-1172	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	217.33	25.85
33 42 11 00-1173	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	249.94	30.55
33 42 11 00-1174	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	281.75	35.25
33 42 11 00-1175	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	332.88	39.95
33 42 11 00-1176	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	364.03	42.30
33 42 11 00-1177	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	443.11	51.70
33 42 11 00-1178	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	515.90	75.20
33 42 11 00-1179	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	555.38	82.25
33 42 11 00-1180		**12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping** *(33 42 11 00-1163)*		
33 42 11 00-1181	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	214.68	19.62
33 42 11 00-1182	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	269.83	25.85
33 42 11 00-1183	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	312.68	30.55
33 42 11 00-1184	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	353.70	35.25
33 42 11 00-1185	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	413.64	39.95
33 42 11 00-1186	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	453.47	42.30
33 42 11 00-1187	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	541.20	51.70
33 42 11 00-1188	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	622.87	75.20
33 42 11 00-1189	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	671.11	82.25
33 42 11 00-1190	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	716.27	88.13
33 42 11 00-1191	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	761.31	93.99
33 42 11 00-1192	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	807.19	99.87

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1193		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1163)*		
33 42 11 00-1194	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	547.54	42.30
33 42 11 00-1195	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	640.71	51.70
33 42 11 00-1196	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	731.32	75.20
33 42 11 00-1197	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	788.49	82.25
33 42 11 00-1198	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	842.44	88.13
33 42 11 00-1199	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	896.39	93.99
33 42 11 00-1200	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	951.14	99.87
33 42 11 00-1201	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,009.34	105.75
33 42 11 00-1202	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,070.11	117.50
33 42 11 00-1203		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1125)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1204		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1205	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	104.19	13.08
33 42 11 00-1206	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	112.04	14.17
33 42 11 00-1207	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	135.73	15.26
33 42 11 00-1208	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.74	17.44
33 42 11 00-1209	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.39	19.62
33 42 11 00-1210	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	196.33	21.80
33 42 11 00-1211		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1212	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.11	13.08
33 42 11 00-1213	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.41	14.17
33 42 11 00-1214	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.47	15.26
33 42 11 00-1215	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	182.27	17.44
33 42 11 00-1216	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	203.70	19.62
33 42 11 00-1217	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	227.53	21.80
33 42 11 00-1218	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.16	25.85
33 42 11 00-1219	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.39	30.55
33 42 11 00-1220	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.42	35.25
33 42 11 00-1221		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1222	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.06	19.62
33 42 11 00-1223	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	288.30	21.80
33 42 11 00-1224	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.55	25.85
33 42 11 00-1225	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	373.92	30.55
33 42 11 00-1226	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	424.03	35.25
33 42 11 00-1227	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	589.64	39.95
33 42 11 00-1228	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	649.12	42.30
33 42 11 00-1229		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1203)*		
33 42 11 00-1230	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	604.56	35.25
33 42 11 00-1231	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	700.95	39.95
33 42 11 00-1232	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	772.92	42.30
33 42 11 00-1233	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	897.37	51.70
33 42 11 00-1234	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,009.30	75.20
33 42 11 00-1235	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,088.80	82.25
33 42 11 00-1236	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,164.41	88.13
33 42 11 00-1237		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0353)*		
33 42 11 00-1238		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1237)*		
33 42 11 00-1239		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		
33 42 11 00-1240	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	70.78	11.99
		For Bituminous Coated Pipe, Add	*7.89*	
33 42 11 00-1241	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	80.65	13.08
		For Bituminous Coated Pipe, Add	*9.43*	
33 42 11 00-1242	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	93.17	14.17
		For Bituminous Coated Pipe, Add	*11.22*	
33 42 11 00-1243		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1238)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1244	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	80.80	11.99
		For Bituminous Coated Pipe, Add	*7.87*	
33 42 11 00-1245	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	90.27	13.08
		For Bituminous Coated Pipe, Add	*9.07*	
33 42 11 00-1246	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	107.07	14.17
		For Bituminous Coated Pipe, Add	*11.14*	
33 42 11 00-1247	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	121.13	15.26
		For Bituminous Coated Pipe, Add	*12.77*	
33 42 11 00-1248	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	155.68	19.62
		For Bituminous Coated Pipe, Add	*16.16*	
33 42 11 00-1249		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1238)*		
33 42 11 00-1250	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	151.64	15.26
		For Bituminous Coated Pipe, Add	*12.18*	
33 42 11 00-1251	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	193.74	19.62
		For Bituminous Coated Pipe, Add	*15.35*	
33 42 11 00-1252	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	246.45	25.85
		For Bituminous Coated Pipe, Add	*19.16*	
33 42 11 00-1253	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	286.44	30.55
		For Bituminous Coated Pipe, Add	*22.66*	
33 42 11 00-1254		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1238)*		
33 42 11 00-1255	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	294.98	25.85
		For Bituminous Coated Pipe, Add	*18.49*	
33 42 11 00-1256	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	343.14	30.55
		For Bituminous Coated Pipe, Add	*21.82*	
33 42 11 00-1257	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	399.41	35.25
		For Bituminous Coated Pipe, Add	*25.56*	
33 42 11 00-1258	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	446.73	39.95
		For Bituminous Coated Pipe, Add	*28.44*	
33 42 11 00-1259		**3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1237)*		
33 42 11 00-1260		**14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1259)*		
33 42 11 00-1261	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	340.72	39.95
33 42 11 00-1262	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	373.15	42.30
33 42 11 00-1263	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	454.39	51.70
33 42 11 00-1264		**12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1259)*		
33 42 11 00-1265	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	421.49	39.95
33 42 11 00-1266	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	462.59	42.30
33 42 11 00-1267	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	552.08	51.70
33 42 11 00-1268	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	634.58	75.20
33 42 11 00-1269	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	683.63	82.25
33 42 11 00-1270	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	729.62	88.13
33 42 11 00-1271		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1259)*		
33 42 11 00-1272	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	556.53	42.30
33 42 11 00-1273	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	651.19	51.70
33 42 11 00-1274	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	742.59	75.20
33 42 11 00-1275	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	800.59	82.25
33 42 11 00-1276	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	855.37	88.13
33 42 11 00-1277	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	910.12	93.99
33 42 11 00-1278		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0353)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1279		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1278)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1280	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	96.75	
33 42 11 00-1281	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	121.33	
33 42 11 00-1282	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	145.91	
33 42 11 00-1283	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	172.03	
33 42 11 00-1284	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	208.88	
33 42 11 00-1285	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	245.72	
33 42 11 00-1286	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	282.59	
33 42 11 00-1287	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	319.44	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1288		EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	416.21	
33 42 11 00-1289		EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	496.06	
33 42 11 00-1290		EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	575.94	
33 42 11 00-1291		EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	744.88	
33 42 11 00-1292		EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	840.11	
33 42 11 00-1293		EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	938.40	
33 42 11 00-1294		EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,039.76	
33 42 11 00-1295		EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,267.06	
33 42 11 00-1296		EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,382.24	
33 42 11 00-1297		EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,500.49	
33 42 11 00-1298		EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,841.45	
33 42 11 00-1299		EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,976.61	
33 42 11 00-1300		EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,113.30	
33 42 11 00-1301		EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,249.97	
33 42 11 00-1302		EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,385.13	
33 42 11 00-1303		EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,521.82	
33 42 11 00-1304		EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,665.94	
33 42 11 00-1305		EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,818.29	
33 42 11 00-1306		EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,979.32	

33 42 11 00-1307 Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1278)*

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1308		EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	125.94	
33 42 11 00-1309		EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	161.26	
33 42 11 00-1310		EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	196.56	
33 42 11 00-1311		EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	231.92	
33 42 11 00-1312		EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	282.59	
33 42 11 00-1313		EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	334.79	
33 42 11 00-1314		EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	387.04	
33 42 11 00-1315		EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	439.22	
33 42 11 00-1316		EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	575.94	
33 42 11 00-1317		EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	686.52	
33 42 11 00-1318		EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	798.62	
33 42 11 00-1319		EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,036.67	
33 42 11 00-1320		EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,167.22	
33 42 11 00-1321		EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,302.36	
33 42 11 00-1322		EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,440.59	
33 42 11 00-1323		EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,756.96	
33 42 11 00-1324		EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,913.64	
33 42 11 00-1325		EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,073.35	
33 42 11 00-1326		EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,550.97	
33 42 11 00-1327		EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,733.74	
33 42 11 00-1328		EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,916.51	
33 42 11 00-1329		EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,100.79	
33 42 11 00-1330		EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,285.11	
33 42 11 00-1331		EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,467.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1332	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,660.78	
33 42 11 00-1333	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,864.43	
33 42 11 00-1334	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	4,079.39	

33 42 11 00-1335 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1278)*

Note: Applied to pipe tasks.

33 42 11 00-1336	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	48.38	
33 42 11 00-1337	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	60.86	
33 42 11 00-1338	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	76.55	
33 42 11 00-1339	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	93.73	
33 42 11 00-1340	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	118.62	
33 42 11 00-1341	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	145.25	
33 42 11 00-1342	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	170.13	
33 42 11 00-1343	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	197.66	
33 42 11 00-1344	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	242.78	
33 42 11 00-1345	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	289.46	
33 42 11 00-1346	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	345.39	
33 42 11 00-1347	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	424.86	
33 42 11 00-1348	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	480.89	
33 42 11 00-1349	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	541.56	
33 42 11 00-1350	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	656.75	
33 42 11 00-1351	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	728.32	
33 42 11 00-1352	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	888.62	
33 42 11 00-1353	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	968.01	
33 42 11 00-1354	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,052.08	
33 42 11 00-1355	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,134.51	
33 42 11 00-1356	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,218.55	
33 42 11 00-1357	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,304.13	
33 42 11 00-1358	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,388.20	
33 42 11 00-1359	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,472.22	
33 42 11 00-1360	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,561.33	
33 42 11 00-1361	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,655.80	
33 42 11 00-1362	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,756.02	

33 42 11 00-1363 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1278)*

Note: For Field Tap

33 42 11 00-1364	EA	6" Saddle, Corrugated Steel Pipe Fitting	301.42	
33 42 11 00-1365	EA	8" Saddle, Corrugated Steel Pipe Fitting	340.10	
33 42 11 00-1366	EA	10" Saddle, Corrugated Steel Pipe Fitting	391.13	
33 42 11 00-1367	EA	12" Saddle, Corrugated Steel Pipe Fitting	478.70	
33 42 11 00-1368	EA	15" Saddle, Corrugated Steel Pipe Fitting	590.97	
33 42 11 00-1369	EA	18" Saddle, Corrugated Steel Pipe Fitting	705.61	
33 42 11 00-1370	EA	21" Saddle, Corrugated Steel Pipe Fitting	889.95	
33 42 11 00-1371	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,057.98	
33 42 11 00-1372	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,329.76	
33 42 11 00-1373	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,715.64	
33 42 11 00-1374	EA	42" Saddle, Corrugated Steel Pipe Fitting	2,026.16	
33 42 11 00-1375	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,383.39	
33 42 11 00-1376	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,836.23	
33 42 11 00-1377	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,362.12	
33 42 11 00-1378	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,829.65	
33 42 11 00-1379	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,270.32	
33 42 11 00-1380	EA	78" Saddle, Corrugated Steel Pipe Fitting	5,010.91	
33 42 11 00-1381	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,535.38	
33 42 11 00-1382	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,553.95	
33 42 11 00-1383	EA	96" Saddle, Corrugated Steel Pipe Fitting	7,245.06	
33 42 11 00-1384	EA	102" Saddle, Corrugated Steel Pipe Fitting	8,221.10	
33 42 11 00-1385	EA	108" Saddle, Corrugated Steel Pipe Fitting	9,330.31	
33 42 11 00-1386	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,587.87	
33 42 11 00-1387	EA	120" Saddle, Corrugated Steel Pipe Fitting	12,013.32	

33 42 11 00-1388 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1278)*

33 42 11 00-1389	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	18.28	
		For Bituminous Coated, Add	*5.30*	
33 42 11 00-1390	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	24.27	
		For Bituminous Coated, Add	*7.04*	
33 42 11 00-1391	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.57	
		For Bituminous Coated, Add	*8.87*	
33 42 11 00-1392	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	50.74	
		For Bituminous Coated, Add	*14.71*	
33 42 11 00-1393	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	63.98	
		For Bituminous Coated, Add	*18.55*	
33 42 11 00-1394	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	93.86	
		For Bituminous Coated, Add	*27.22*	
33 42 11 00-1395	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	111.41	
		For Bituminous Coated, Add	*32.31*	
33 42 11 00-1396	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	126.32	
		For Bituminous Coated, Add	*36.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1397	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	218.61	
		For Bituminous Coated, Add	*63.40*	
33 42 11 00-1398	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	349.77	
		For Bituminous Coated, Add	*83.94*	
33 42 11 00-1399	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	410.96	
		For Bituminous Coated, Add	*98.63*	
33 42 11 00-1400	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	460.50	
		For Bituminous Coated, Add	*110.52*	
33 42 11 00-1401	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	653.06	
		For Bituminous Coated, Add	*156.73*	
33 42 11 00-1402	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	934.07	
		For Bituminous Coated, Add	*168.13*	
33 42 11 00-1403	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,147.96	
		For Bituminous Coated, Add	*206.63*	
33 42 11 00-1404	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,474.61	
		For Bituminous Coated, Add	*206.45*	
33 42 11 00-1405	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,577.20	
		For Bituminous Coated, Add	*220.81*	
33 42 11 00-1406	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,680.36	
		For Bituminous Coated, Add	*235.25*	
33 42 11 00-1407	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,783.00	
		For Bituminous Coated, Add	*249.62*	
33 42 11 00-1408	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,885.89	
		For Bituminous Coated, Add	*264.02*	
33 42 11 00-1409	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,989.05	
		For Bituminous Coated, Add	*278.47*	
33 42 11 00-1410	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,091.74	
		For Bituminous Coated, Add	*292.84*	
33 42 11 00-1411	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,477.44	
		For Bituminous Coated, Add	*297.29*	
33 42 11 00-1412	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,296.96	
		For Bituminous Coated, Add	*275.64*	
33 42 11 00-1413	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,399.34	
		For Bituminous Coated, Add	*287.92*	
33 42 11 00-1414	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,502.44	
		For Bituminous Coated, Add	*300.29*	
33 42 11 00-1415	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,605.66	
		For Bituminous Coated, Add	*312.68*	

33 42 11 00-1416 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1278)*

33 42 11 00-1417	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	668.80	174.36
33 42 11 00-1418	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	771.27	217.95
33 42 11 00-1419	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	898.53	283.34
33 42 11 00-1420	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,289.34	392.32
33 42 11 00-1421	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,697.24	457.70
33 42 11 00-1422	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,333.91	540.49
33 42 11 00-1423	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,769.84	634.49
33 42 11 00-1424	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,230.23	634.49
33 42 11 00-1425	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,879.16	869.48
33 42 11 00-1426	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,371.53	869.48
33 42 11 00-1427	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,159.97	1,104.48
33 42 11 00-1428	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,447.18	1,174.98

33 42 11 00-1429 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1278)*

33 42 11 00-1430	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	459.55	130.77
33 42 11 00-1431	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	560.06	163.46
33 42 11 00-1432	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	657.51	217.95
33 42 11 00-1433	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	951.99	305.13
33 42 11 00-1434	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,158.04	348.72
33 42 11 00-1435	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,603.76	399.49
33 42 11 00-1436	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,900.46	469.99
33 42 11 00-1437	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,176.49	469.99
33 42 11 00-1438	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,653.03	657.99
33 42 11 00-1439	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,012.02	657.99
33 42 11 00-1440	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,634.19	822.49
33 42 11 00-1441	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,880.38	875.36

33 42 11 00-1442 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-1443 Extra Strength Vitrified Clay Piping *(33 42 11 00-1442)*

33 42 11 00-1444 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1443)*

Note: ASTM C700.

33 42 11 00-1445	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	24.37	
		For 3' Lengths, Add	*2.21*	
		For 2' Lengths, Add	*2.94*	
		For Standard Strength, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1446	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	40.44	
		For 3' Lengths, Add	*3.43*	
		For 2' Lengths, Add	*4.58*	
		For Standard Strength, Deduct	*-1.14*	
		For >1,000, Deduct	*-2.02*	
33 42 11 00-1447	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	48.57	
		For 3' Lengths, Add	*4.91*	
		For 2' Lengths, Add	*6.54*	
		For Standard Strength, Deduct	*-1.64*	
		For >1,000, Deduct	*-2.43*	
33 42 11 00-1448	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	58.59	
		For 3' Lengths, Add	*7.51*	
		For 2' Lengths, Add	*10.01*	
		For Standard Strength, Deduct	*-2.50*	
		For >1,000, Deduct	*-2.93*	
33 42 11 00-1449	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	71.95	
		For 3' Lengths, Add	*10.60*	
		For 2' Lengths, Add	*14.14*	
		For Standard Strength, Deduct	*-3.53*	
		For >1,000, Deduct	*-3.60*	
33 42 11 00-1450	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	107.00	
		For 3' Lengths, Add	*19.88*	
		For 2' Lengths, Add	*26.51*	
		For Standard Strength, Deduct	*-6.63*	
		For >1,000, Deduct	*-5.35*	
33 42 11 00-1451	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	145.79	
		For 3' Lengths, Add	*28.49*	
		For 2' Lengths, Add	*37.99*	
		For Standard Strength, Deduct	*-9.50*	
		For >1,000, Deduct	*-7.29*	
33 42 11 00-1452	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	216.23	
		For 3' Lengths, Add	*45.65*	
		For 2' Lengths, Add	*60.86*	
		For Standard Strength, Deduct	*-15.22*	
		For >1,000, Deduct	*-10.81*	
33 42 11 00-1453	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	276.60	
		For 3' Lengths, Add	*59.64*	
		For 2' Lengths, Add	*79.52*	
		For Standard Strength, Deduct	*-19.88*	
		For >1,000, Deduct	*-13.83*	
33 42 11 00-1454	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	342.35	
		For 3' Lengths, Add	*74.36*	
		For 2' Lengths, Add	*99.15*	
		For Standard Strength, Deduct	*-24.79*	
		For >1,000, Deduct	*-17.12*	
33 42 11 00-1455	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	414.14	
		For 3' Lengths, Add	*89.83*	
		For 2' Lengths, Add	*119.77*	
		For Standard Strength, Deduct	*-29.94*	
		For >1,000, Deduct	*-20.71*	

33 42 11 00-1456 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1443)*

Note: ASTM C425.

33 42 11 00-1457	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	34.46	
		For 3' Lengths, Add	*2.61*	
		For 2' Lengths, Add	*3.48*	
		For Standard Strength, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.72*	
33 42 11 00-1458	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	43.19	
		For 3' Lengths, Add	*4.26*	
		For 2' Lengths, Add	*5.68*	
		For Standard Strength, Deduct	*-1.42*	
		For >1,000, Deduct	*-2.16*	
33 42 11 00-1459	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	52.25	
		For 3' Lengths, Add	*6.01*	
		For 2' Lengths, Add	*8.01*	
		For Standard Strength, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.61*	
33 42 11 00-1460	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	66.45	
		For 3' Lengths, Add	*9.87*	
		For 2' Lengths, Add	*13.16*	
		For Standard Strength, Deduct	*-3.29*	
		For >1,000, Deduct	*-3.32*	
33 42 11 00-1461	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	79.81	
		For 3' Lengths, Add	*12.96*	
		For 2' Lengths, Add	*17.28*	
		For Standard Strength, Deduct	*-4.32*	
		For >1,000, Deduct	*-3.99*	
33 42 11 00-1462	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	119.51	
		For 3' Lengths, Add	*23.63*	
		For 2' Lengths, Add	*31.51*	
		For Standard Strength, Deduct	*-7.88*	
		For >1,000, Deduct	*-5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1463	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	166.16	
		For 3' Lengths, Add	*34.61*	
		For 2' Lengths, Add	*46.14*	
		For Standard Strength, Deduct	*-11.54*	
		For >1,000, Deduct	*-8.31*	
33 42 11 00-1464	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	239.55	
		For 3' Lengths, Add	*52.64*	
		For 2' Lengths, Add	*70.19*	
		For Standard Strength, Deduct	*-17.55*	
		For >1,000, Deduct	*-11.98*	
33 42 11 00-1465	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	313.41	
		For 3' Lengths, Add	*70.68*	
		For 2' Lengths, Add	*94.24*	
		For Standard Strength, Deduct	*-23.56*	
		For >1,000, Deduct	*-15.67*	
33 42 11 00-1466	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	504.33	
		For 3' Lengths, Add	*122.96*	
		For 2' Lengths, Add	*163.94*	
		For Standard Strength, Deduct	*-40.99*	
		For >1,000, Deduct	*-25.22*	
33 42 11 00-1467	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	718.47	
		For 3' Lengths, Add	*181.13*	
		For 2' Lengths, Add	*241.50*	
		For Standard Strength, Deduct	*-60.38*	
		For >1,000, Deduct	*-35.92*	

33 42 11 00-1468 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-1442)*

33 42 11 00-1469 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1468)*

33 42 11 00-1470 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-1469)*

33 42 11 00-1471	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	103.58
33 42 11 00-1472	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	140.47
33 42 11 00-1473	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	202.02
33 42 11 00-1474	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	279.24
33 42 11 00-1475	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	370.14
33 42 11 00-1476	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	892.94
33 42 11 00-1477	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,260.70
33 42 11 00-1478	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,969.94
33 42 11 00-1479	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,272.85
33 42 11 00-1480	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,638.03
33 42 11 00-1481	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,964.81

33 42 11 00-1482 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1469)*

33 42 11 00-1483	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	116.82
33 42 11 00-1484	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	167.16
33 42 11 00-1485	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	227.51
33 42 11 00-1486	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	306.55
33 42 11 00-1487	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	390.17
33 42 11 00-1488	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,001.09
33 42 11 00-1489	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,458.31
33 42 11 00-1490	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,496.53
33 42 11 00-1491	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,911.87
33 42 11 00-1492	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,240.56
33 42 11 00-1493	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,820.65

33 42 11 00-1494 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1468)*

33 42 11 00-1495 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1494)*

33 42 11 00-1496	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	120.59
33 42 11 00-1497	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	160.96
33 42 11 00-1498	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	225.99
33 42 11 00-1499	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	305.23
33 42 11 00-1500	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	399.44
33 42 11 00-1501	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	925.52
33 42 11 00-1502	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,301.34
33 42 11 00-1503	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,021.19
33 42 11 00-1504	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,335.10
33 42 11 00-1505	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,715.66
33 42 11 00-1506	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	4,051.08

33 42 11 00-1507 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1494)*

33 42 11 00-1508	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	137.23
33 42 11 00-1509	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	191.74
33 42 11 00-1510	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	256.27
33 42 11 00-1511	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	337.74
33 42 11 00-1512	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	425.31
33 42 11 00-1513	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,040.19
33 42 11 00-1514	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,507.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1515	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,933.84	
33 42 11 00-1516	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,986.56	
33 42 11 00-1517	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,333.70	
33 42 11 00-1518	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,924.20	

33 42 11 00-1519 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1468)*

33 42 11 00-1520 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1519)*

33 42 11 00-1521	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	131.76	
33 42 11 00-1522	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	172.62	
33 42 11 00-1523	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	236.02	
33 42 11 00-1524	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	313.90	
33 42 11 00-1525	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	398.15	
33 42 11 00-1526	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	932.54	
33 42 11 00-1527	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,306.79	
33 42 11 00-1528	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,890.83	
33 42 11 00-1529	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,634.56	
33 42 11 00-1530	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,784.05	
33 42 11 00-1531	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	4,013.25	

33 42 11 00-1532 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1519)*

33 42 11 00-1533	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	161.12	
33 42 11 00-1534	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	222.17	
33 42 11 00-1535	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	293.87	
33 42 11 00-1536	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	382.25	
33 42 11 00-1537	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	478.26	
33 42 11 00-1538	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,134.53	
33 42 11 00-1539	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,637.85	
33 42 11 00-1540	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,435.54	
33 42 11 00-1541	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,229.23	
33 42 11 00-1542	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,732.93	
33 42 11 00-1543	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	5,309.62	

33 42 11 00-1544 Vitrified Clay Couplings *(33 42 11 00-1442)*

33 42 11 00-1545 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-1544)*

Note: Stainless steel tightening band at each end (Fernco #1002)

33 42 11 00-1546	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.79	
33 42 11 00-1547	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.48	
33 42 11 00-1548	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	49.96	
33 42 11 00-1549	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.48	
33 42 11 00-1550	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	60.17	
33 42 11 00-1551	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.33	
33 42 11 00-1552	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	57.56	
33 42 11 00-1553	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	80.51	
33 42 11 00-1554	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	75.06	
33 42 11 00-1555	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	103.53	
33 42 11 00-1556	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	95.11	
33 42 11 00-1557	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	127.21	
33 42 11 00-1558	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	107.89	
33 42 11 00-1559	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	209.46	
33 42 11 00-1560	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	163.41	

33 42 11 00-1561 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-1544)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1562	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	79.51	
33 42 11 00-1563	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	105.71	
33 42 11 00-1564	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	111.71	
33 42 11 00-1565	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	117.12	
33 42 11 00-1566	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	144.36	
33 42 11 00-1567	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	167.38	

33 42 11 00-1568 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-1544)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1569	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	81.52	
33 42 11 00-1570	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	107.72	
33 42 11 00-1571	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	98.78	
33 42 11 00-1572	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	129.14	
33 42 11 00-1573	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	186.46	
33 42 11 00-1574	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	210.61	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0001			**Precast Reinforced Concrete Box Culvert** *(33 42 13 13)* Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1006 for crane lifting equipment.		
33 42 13 13-0002		LF	3' x 3' Precast Reinforced Concrete Box Culvert	466.13	58.75
			For Each LF Of Cut-Off Section, Add	*18.65*	
33 42 13 13-0003		LF	4' x 2' Precast Reinforced Concrete Box Culvert	525.33	58.75
			For Each LF Of Cut-Off Section, Add	*21.01*	
33 42 13 13-0004		LF	4' x 3' Precast Reinforced Concrete Box Culvert	620.95	58.75
			For Each LF Of Cut-Off Section, Add	*24.84*	
33 42 13 13-0005		LF	5' x 3' Precast Reinforced Concrete Box Culvert	745.45	73.44
			For Each LF Of Cut-Off Section, Add	*29.82*	
33 42 13 13-0006		LF	5' x 4' Precast Reinforced Concrete Box Culvert	763.67	73.44
			For Each LF Of Cut-Off Section, Add	*30.55*	
33 42 13 13-0007		LF	5' x 5' Precast Reinforced Concrete Box Culvert	772.77	73.44
			For Each LF Of Cut-Off Section, Add	*30.91*	
33 42 13 13-0008		LF	6' x 3' Precast Reinforced Concrete Box Culvert	796.76	76.37
			For Each LF Of Cut-Off Section, Add	*31.87*	
33 42 13 13-0009		LF	6' x 4' Precast Reinforced Concrete Box Culvert	801.31	76.37
			For Each LF Of Cut-Off Section, Add	*32.05*	
33 42 13 13-0010		LF	6' x 6' Precast Reinforced Concrete Box Culvert	883.27	76.37
			For Each LF Of Cut-Off Section, Add	*35.33*	
33 42 13 13-0011		LF	7' x 4' Precast Reinforced Concrete Box Culvert	906.37	88.13
			For Each LF Of Cut-Off Section, Add	*36.25*	
33 42 13 13-0012		LF	7' x 6' Precast Reinforced Concrete Box Culvert	968.75	119.85
			For Each LF Of Cut-Off Section, Add	*38.75*	
33 42 13 13-0013		LF	8' x 2' Precast Reinforced Concrete Box Culvert	887.83	76.37
			For Each LF Of Cut-Off Section, Add	*35.51*	
33 42 13 13-0014		LF	8' x 3' Precast Reinforced Concrete Box Culvert	910.93	88.13
			For Each LF Of Cut-Off Section, Add	*36.44*	
33 42 13 13-0015		LF	8' x 4' Precast Reinforced Concrete Box Culvert	924.59	88.13
			For Each LF Of Cut-Off Section, Add	*36.98*	
33 42 13 13-0016		LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,115.30	117.50
			For Each LF Of Cut-Off Section, Add	*44.61*	
33 42 13 13-0017		LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,118.94	117.50
			For Each LF Of Cut-Off Section, Add	*44.76*	
33 42 13 13-0018		LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,237.71	146.87
			For Each LF Of Cut-Off Section, Add	*49.51*	
33 42 13 13-0019		LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,232.78	117.50
			For Each LF Of Cut-Off Section, Add	*49.31*	
33 42 13 13-0020		LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,304.19	146.87
			For Each LF Of Cut-Off Section, Add	*52.17*	
33 42 13 13-0021		LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,308.74	146.87
			For Each LF Of Cut-Off Section, Add	*52.35*	
33 42 13 13-0022		LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,591.06	146.87
			For Each LF Of Cut-Off Section, Add	*63.64*	
33 42 13 13-0023		LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,667.04	176.25
			For Each LF Of Cut-Off Section, Add	*66.68*	
33 42 13 13-0024		LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,685.25	176.25
			For Each LF Of Cut-Off Section, Add	*67.41*	
33 42 13 13-0025		LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,689.80	176.25
			For Each LF Of Cut-Off Section, Add	*67.59*	
33 42 13 13-0026		LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,696.18	176.25
			For Each LF Of Cut-Off Section, Add	*67.85*	
33 42 13 13-0027		LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,761.21	205.62
			For Each LF Of Cut-Off Section, Add	*70.45*	
33 42 13 13-0028		LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,761.21	205.62
			For Each LF Of Cut-Off Section, Add	*70.45*	
33 42 13 13-0029		LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,761.21	205.62
			For Each LF Of Cut-Off Section, Add	*70.45*	
33 42 13 13-0030		LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,761.21	205.62
			For Each LF Of Cut-Off Section, Add	*70.45*	
33 42 13 13-0031		LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,565.75	235.00
			For Each LF Of Cut-Off Section, Add	*102.63*	
33 42 13 13-0032		LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,567.52	235.00
			For Each LF Of Cut-Off Section, Add	*142.70*	
33 42 13 13-0033			**Precast Reinforced Concrete Box Culvert For Roadways** *(33 42 13 13)* Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1006 for crane lifting equipment.		
33 42 13 13-0034		LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,163.27	58.75
			For Each LF Of Cut-Off Section, Add	*46.53*	
33 42 13 13-0035		LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,250.74	58.75
			For Each LF Of Cut-Off Section, Add	*50.03*	
33 42 13 13-0036		LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,405.55	58.75
			For Each LF Of Cut-Off Section, Add	*56.22*	
33 42 13 13-0037		LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,589.21	73.44
			For Each LF Of Cut-Off Section, Add	*63.57*	
33 42 13 13-0038		LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,744.02	73.44
			For Each LF Of Cut-Off Section, Add	*69.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,898.83	73.44
		For Each LF Of Cut-Off Section, Add	*75.95*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,749.79	76.37
		For Each LF Of Cut-Off Section, Add	*69.99*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,904.60	76.37
		For Each LF Of Cut-Off Section, Add	*76.18*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,214.22	76.37
		For Each LF Of Cut-Off Section, Add	*88.57*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,082.51	88.13
		For Each LF Of Cut-Off Section, Add	*83.30*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,454.47	119.85
		For Each LF Of Cut-Off Section, Add	*98.18*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,904.60	76.37
		For Each LF Of Cut-Off Section, Add	*76.18*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,082.51	88.13
		For Each LF Of Cut-Off Section, Add	*83.30*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,237.32	88.13
		For Each LF Of Cut-Off Section, Add	*89.49*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,449.84	117.50
		For Each LF Of Cut-Off Section, Add	*97.99*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,604.65	117.50
		For Each LF Of Cut-Off Section, Add	*104.19*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,972.02	146.87
		For Each LF Of Cut-Off Section, Add	*118.88*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,629.99	117.50
		For Each LF Of Cut-Off Section, Add	*105.20*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,018.61	146.87
		For Each LF Of Cut-Off Section, Add	*120.74*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,984.92	146.87
		For Each LF Of Cut-Off Section, Add	*119.40*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,168.75	146.87
		For Each LF Of Cut-Off Section, Add	*126.75*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,410.32	176.25
		For Each LF Of Cut-Off Section, Add	*136.41*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,594.15	176.25
		For Each LF Of Cut-Off Section, Add	*143.77*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,778.00	176.25
		For Each LF Of Cut-Off Section, Add	*151.12*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,961.83	176.25
		For Each LF Of Cut-Off Section, Add	*158.47*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,957.02	205.62
		For Each LF Of Cut-Off Section, Add	*158.28*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,165.97	205.62
		For Each LF Of Cut-Off Section, Add	*166.64*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,583.95	205.62
		For Each LF Of Cut-Off Section, Add	*183.36*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	5,001.92	205.62
		For Each LF Of Cut-Off Section, Add	*200.08*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,988.50	235.00
		For Each LF Of Cut-Off Section, Add	*239.54*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,567.49	235.00
		For Each LF Of Cut-Off Section, Add	*302.70*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,733.82	776.82
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,184.01	828.61
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,853.55	1,085.35
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,461.91	1,553.63
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,201.71	2,071.51
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,524.59	2,730.47
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,358.61	3,766.34
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	12,316.07	4,438.89
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,815.23	5,403.99
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,776.66	6,541.59

33 42 23 00-0014 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	946.92	196.16
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	979.61	207.06
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	1,078.24	235.39
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	1,191.24	250.65
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,600.16	294.24
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,797.43	305.13
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	2,372.12	362.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,619.21	399.49
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	2,890.71	423.00
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	3,280.36	423.00
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	3,965.64	528.75
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	5,619.46	634.49
33 42 23 00-0027		Precast Concrete Wingwalls *(33 42 23 00-0001)*		
33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,931.64	2,093.82
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall	6,284.14	2,326.47
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,871.64	2,714.21
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,459.13	3,101.96
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,459.13	3,101.96
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,694.12	3,257.05
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall	13,272.60	3,334.60
		Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall	13,625.10	3,567.25
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,758.51	822.49
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	337.78	76.28
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	395.10	81.73
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	465.04	87.18
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	567.85	95.35
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	630.00	103.53
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,038.47	117.15
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,355.51	141.00
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,105.16	164.50
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,577.21	188.00
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,065.40	235.00
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,576.69	281.99
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	354.32	76.28
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	412.12	81.73
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	491.20	87.18
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	599.26	95.35
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	665.61	103.53
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,147.83	117.15
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,492.35	141.00
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,401.67	164.50
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,959.86	188.00
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,452.36	235.00
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,802.28	281.99
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,407.25	423.00
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,298.85	563.99
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,864.98	605.12
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,445.31	646.24
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	45.63	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	51.10	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	57.81	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	62.88	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	70.51	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	124.68	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	134.12	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	185.27	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	197.96	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	242.25	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	247.66	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	263.28	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	296.10	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	331.46	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	338.83	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	395.10	81.73
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	465.04	87.18
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	567.85	95.35
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	630.00	103.53
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	380.81	81.73
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	438.62	87.18
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	492.21	95.35
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	557.78	103.53
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	832.57	117.15
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,232.82	141.00
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,942.38	164.50
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,468.74	188.00
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	388.06	81.73
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	454.38	87.18
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	516.84	95.35
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	586.98	103.53
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	882.21	117.15
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,300.52	141.00
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,050.69	164.50
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,593.39	188.00
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,116.62	235.00
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,108.44	281.99
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,721.77	423.00
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,294.65	563.99
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	51.10	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	57.81	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	62.88	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	70.51	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	124.68	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	134.12	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	185.27	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	206.16	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	242.25	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	250.92	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	289.86	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	325.36	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	530.10	76.28
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	614.08	81.73
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	733.02	87.18
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	915.25	95.35
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,206.17	103.53
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,828.30	117.15
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,499.47	141.00
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,128.68	141.00
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,998.16	164.50
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,730.00	188.00
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,333.59	235.00
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,554.08	281.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,636.95	423.00
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,236.92	563.99
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,278.07	605.12
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,951.74	646.24
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,808.93	704.99
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,723.58	763.74
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	82.99	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	88.18	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	96.00	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	108.42	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	114.82	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	148.29	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	176.17	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	186.67	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	204.83	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	231.57	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	274.43	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	390.01	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	417.57	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	523.96	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	566.35	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	603.22	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	642.14	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	681.32	
33 42 26 16-0128		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0129		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	634.41	81.73
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	782.60	87.18
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	849.50	95.35
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	916.35	103.53
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,393.57	117.15
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,528.39	141.00
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,687.92	141.00
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,604.69	164.50
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,576.77	188.00
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,375.19	235.00
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,709.24	281.99
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,939.28	423.00
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,520.80	563.99
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,726.26	605.12
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,363.19	646.24
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,745.69	704.99
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,731.60	763.74
33 42 26 16-0147		**Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	88.18	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.00	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	101.07	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	110.78	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	125.17	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	162.88	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	179.63	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	204.83	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	231.57	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	274.43	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	352.74	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	448.77	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	601.96	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	685.09	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	716.47	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	741.52	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	772.61	
33 42 26 16-0165		**Low Slope Corrugated Steel Pipe End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0166		**4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	829.73	81.73
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,078.70	87.18
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,327.21	95.35
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,593.68	103.53
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,681.81	117.15
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,207.27	141.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,526.09	164.50
33 42 26 16-0174		**3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	601.17	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,227.18	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,346.77	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,398.92	
33 42 26 16-0179		**6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	871.05	81.73
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,153.01	87.18
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,545.90	95.35
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,820.97	103.53
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,164.32	117.15
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,633.15	141.00
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	4,058.94	164.50
33 42 26 16-0187		**3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,186.37	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,257.15	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,382.19	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,447.96	
33 42 26 16-0192		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section** *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	99.12	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	111.88	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	121.84	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	136.30	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	209.84	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	225.27	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	305.10	
33 42 26 16-0200		**Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0201		**4:1 Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	991.67	87.18
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,252.23	95.35
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,487.51	103.53
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,847.53	117.15
33 42 26 16-0206		**3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	719.18	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,328.57	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,398.92	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,069.16	
33 42 26 16-0211		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	100.01	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	113.90	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	124.20	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	146.65	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		**Corrugated High-Density Polyethylene (HDPE) Pipe End Sections** *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	51.68	22.20
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	85.54	33.29
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	111.35	41.62
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	176.77	66.59
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	204.38	74.91
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	218.21	80.46
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	250.53	88.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	311.33	105.43
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	511.29	119.30
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	607.22	133.17

33 42 26 23 Concrete End Sections for Stormwater Piping *(33 42 26)*

33 42 26 23-0001 Precast Concrete End Sections *(33 42 26 23)*

33 42 26 23-0002 Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	767.90	127.82
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	1,031.02	158.23
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,276.51	200.29
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,464.75	239.52
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,556.42	277.24
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,963.03	350.14
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,433.70	525.92
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	3,004.91	663.63
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,635.59	832.47
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,984.64	938.81
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,346.28	1,051.60
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,717.05	1,169.11
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,685.20	929.01
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,364.81	1,161.24
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,377.51	1,451.56
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,545.96	1,741.86

33 42 26 23-0019 Flared Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	968.15	136.89
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,165.89	170.61
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,415.46	215.97
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,617.47	258.27
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,973.60	298.92
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,380.63	477.40
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,477.56	657.29
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,347.19	829.54
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	4,016.79	1,040.80
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,346.57	1,173.81
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,861.71	1,314.69
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,386.54	1,460.27
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	6,282.67	1,682.46
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	7,327.56	1,877.86
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	8,309.11	2,112.50
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,584.59	2,346.91

33 42 26 23-0036 Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,688.26	215.97
33 42 26 23-0038	EA	19" x 30" Elliptical Precast Concrete End Section	2,354.80	298.92
33 42 26 23-0039	EA	22" x 34" Elliptical Precast Concrete End Section	2,796.60	477.40
33 42 26 23-0040	EA	24" x 38" Elliptical Precast Concrete End Section	2,850.19	657.29
33 42 26 23-0041	EA	27" x 42" Elliptical Precast Concrete End Section	3,361.41	743.76
33 42 26 23-0042	EA	29" x 45" Elliptical Precast Concrete End Section	3,872.63	829.54
33 42 26 23-0043	EA	34" x 53" Elliptical Precast Concrete End Section	4,630.37	1,040.80
33 42 26 23-0044	EA	38" x 60" Elliptical Precast Concrete End Section	4,992.63	1,173.81
33 42 26 23-0045	EA	43" x 68" Elliptical Precast Concrete End Section	5,583.68	1,314.69
33 42 26 23-0046	EA	48" x 76" Elliptical Precast Concrete End Section	6,184.85	1,460.27

33 42 26 23-0047 Mitered Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0048	EA	12" Round Mitered Precast Concrete End Sections	551.07	136.89
33 42 26 23-0049	EA	15" Round Mitered Precast Concrete End Sections	600.42	170.61
33 42 26 23-0050	EA	18" Round Mitered Precast Concrete End Sections	723.93	215.97
33 42 26 23-0051	EA	24" Round Mitered Precast Concrete End Sections	1,048.31	298.92
33 42 26 23-0052	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	643.76	170.61
33 42 26 23-0053	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	800.97	215.97
33 42 26 23-0054	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,142.19	298.92

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*

See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*

Note: Inside dimensions.

33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,990.96	382.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,373.36	447.68
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,755.75	513.15
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,138.13	578.76
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,520.52	644.24
33 42 31 00-0010		**3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,509.45	379.77
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,117.40	506.37
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,999.30	690.51
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,856.63	805.58
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,556.14	920.67
33 42 31 00-0016		**4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,694.40	414.30
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,730.30	575.42
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,579.76	748.04
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,289.32	863.13
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,713.81	1,104.80
33 42 31 00-0022		**Cast In Place, Catch Basin** *(33 42 31 00-0002)* Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		**3' x 3', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,498.36	461.94
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,649.74	491.17
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,899.02	527.55
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,252.08	583.94
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,510.92	621.57
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,676.34	651.83
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,935.42	689.46
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,096.84	719.85
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,358.03	757.37
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,521.33	787.75
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,780.29	825.38
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	597.56	103.12
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,874.00	533.99
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,066.14	571.51
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,325.26	609.14
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,737.78	674.62
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,021.89	717.21
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,212.36	752.54
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,500.25	795.11
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,690.71	830.44
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,976.83	873.02
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,166.93	908.35
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,453.16	950.94
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	681.67	118.89
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,276.36	610.86
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,478.33	649.65
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,776.09	695.57
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,248.77	770.25
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,561.81	817.79
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,778.97	858.17
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,092.01	905.71
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,309.51	946.11
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,622.56	993.63
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,839.71	1,034.03
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	6,152.76	1,081.67
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	769.05	135.22
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,793.98	708.34
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,030.70	748.39
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,361.55	800.17
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,900.75	885.11
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,249.35	938.74
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,502.16	985.11
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,850.41	1,038.75
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,103.24	1,085.24
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,451.83	1,138.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,702.53	1,185.25
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,052.91	1,238.88
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	881.67	154.91
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,882.21	898.46
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,482.82	992.83
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,860.81	1,051.63
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,140.90	1,103.19
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,514.99	1,161.89
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,797.20	1,213.45
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,173.08	1,272.26
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,451.40	1,323.81
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,829.39	1,382.50
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,389.14	172.85
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,428.36	1,001.92
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,318.59	1,134.16
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,738.29	1,199.52
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,060.09	1,258.09
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,481.56	1,323.92
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,805.47	1,382.50
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,225.16	1,448.33
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,546.96	1,506.91
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,966.66	1,572.74
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,120.84	196.57
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	6,003.47	1,110.21
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,984.82	1,255.33
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,434.60	1,326.46
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,786.83	1,390.33
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,234.48	1,461.45
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,588.49	1,525.32
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,036.50	1,596.44
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,388.38	1,660.31
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,838.16	1,731.43
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,229.82	216.47
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,603.60	1,223.69
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,967.19	1,417.72
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,462.99	1,496.43
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,862.89	1,567.90
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,358.69	1,646.50
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,758.59	1,718.08
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,254.39	1,796.68
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,654.28	1,868.15
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,151.86	1,946.87
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,393.92	243.40
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	7,231.12	1,342.11
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,724.57	1,553.86
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,251.14	1,638.10
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,680.17	1,714.98
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,208.74	1,799.10
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,637.75	1,876.10
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,164.33	1,960.22
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,595.47	2,037.21
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	12,121.94	2,121.33
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,515.30	265.15
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	8,214.09	1,506.33
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,512.84	1,695.52
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,068.42	1,785.18
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,530.33	1,867.58
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,087.91	1,957.23
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,549.84	2,039.63
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,105.40	2,129.28
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,567.32	2,211.68
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	13,125.03	2,301.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,640.58	287.71
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,927.26	1,638.91
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,329.98	1,842.72
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,916.80	1,937.78
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,409.49	2,025.70
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,996.20	2,120.77
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,484.63	2,208.69
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,075.58	2,303.75
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,568.27	2,391.67
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	14,144.75	2,486.73
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,769.38	310.84
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	749.00	239.48
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,045.65	359.22
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,328.28	466.98
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,589.07	552.00
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,960.14	700.46
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,243.50	808.23
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	156.56	53.88
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	852.50	266.42
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,183.69	395.13
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,497.62	520.86
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,785.72	607.67
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,216.50	778.30
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,533.70	898.03
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	176.88	64.66
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,118.96	314.31
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,532.96	464.59
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,930.85	613.66
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,404.65	766.32
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,842.23	913.60
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,265.56	1,063.27
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	225.10	75.95
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,348.71	349.64
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,758.03	478.95
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,366.57	718.43
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,953.28	898.03
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,493.46	1,077.64
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	4,017.93	1,257.25
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	276.31	89.81
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,817.01	478.95
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,497.64	718.43
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	3,181.81	957.90
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,894.71	1,197.38
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,598.05	1,436.85
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	5,353.53	1,676.33
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	367.68	119.74
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,661.47	718.43
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,624.53	1,077.64
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,652.02	1,436.85
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,798.65	1,796.07
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,912.50	2,155.29
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	8,002.95	2,514.49
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	548.24	179.60
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,661.91	778.30
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	721.20	95.79
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	413.52	101.78
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	518.99	149.67
		For Each Additional Inch In Height, Add	*61.53*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	612.70	179.60
		For Each Additional Inch In Height, Add	*72.16*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	714.59	209.55
		For Each Additional Inch In Height, Add	*84.21*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	900.62	299.34
		For Each Additional Inch In Height, Add	*100.26*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	718.38	

33 42 31 00-0210 Catch Basin Risers *(33 42 31 00-0152)*

33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	440.52	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	491.77	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	552.71	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	474.24	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	528.93	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	596.47	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	524.61	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	573.18	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	640.93	

33 42 31 00-0220 Cast In Place, Storm Drain Cleanout *(33 42 31 00-0002)*

Note: Inside span.

33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,236.67	911.23
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,980.39	1,039.89
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,819.89	1,180.18
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	8,181.32	1,415.76
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,956.93	1,709.23

33 42 31 00-0226 Precast Concrete Inlet Boxes *(33 42 31 00-0002)*

Note: Inside dimensions.

33 42 31 00-0227 Precast Concrete Inlet Boxes *(33 42 31 00-0226)*

33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*

Note: Yard inlet.

33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0228)*

33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	926.40	83.82
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,088.79	101.78
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,251.17	119.74
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,415.05	138.45

33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0228)*

33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	228.24	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	372.66	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	529.05	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	685.44	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	841.85	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	998.25	

33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*

33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0241)*

33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,891.94	235.00
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,127.44	271.72
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,362.93	308.43
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,598.61	345.24
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,834.28	382.04
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,069.95	418.86
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,305.63	455.66

33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0241)*

33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	446.62	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	725.61	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	785.52	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,007.46	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,229.38	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,442.35	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,677.85	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,913.34	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,149.02	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,384.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,620.36	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,856.04	
33 42 31 00-0263		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0264		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,820.54	258.50
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,056.02	298.88
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,291.47	339.28
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,527.14	379.77
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,762.80	420.25
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,998.46	460.73
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,234.11	501.23
33 42 31 00-0272		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	442.34	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	710.78	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	771.90	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	988.86	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,205.83	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,421.62	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,653.84	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,884.91	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,117.14	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,348.20	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,580.44	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,812.67	
33 42 31 00-0285		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0286		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,168.44	281.99
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,445.12	327.82
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,721.80	374.82
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,997.29	420.64
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,273.98	467.64
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,550.67	513.46
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,826.16	559.29
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	489.63	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	803.01	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	865.88	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,112.59	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,359.31	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,606.02	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,868.60	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,131.19	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,393.77	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,656.35	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,918.92	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,181.51	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,228.10	176.25
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,087.41	313.33
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,458.50	364.83
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,829.60	416.34
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,200.32	467.65
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,571.05	518.96
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,941.78	570.28
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	5,312.50	621.59
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	491.35	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	790.77	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,156.78	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,522.79	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,869.23	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,235.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,606.33	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,977.43	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,348.16	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,718.88	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,089.61	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,460.33	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,334.83	190.93
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,554.99	394.79
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,961.86	460.76
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,368.72	526.72
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,774.85	592.31
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,181.00	657.91
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,587.13	723.51
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,993.26	789.10
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	538.14	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	845.98	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,252.52	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,659.06	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,032.71	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,439.25	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,846.11	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,252.98	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,659.11	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,065.25	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,471.39	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,877.52	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,483.82	213.85
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,447.55	532.27
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,961.86	620.39
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,476.17	707.34
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,989.31	795.47
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,503.61	882.41
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,016.74	969.36
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,532.22	1,057.48
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	718.76	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,110.87	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,616.95	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,123.03	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,595.05	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,101.12	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,615.44	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,129.75	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,642.88	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,157.19	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,670.31	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	6,184.63	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,030.78	235.00
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	437.22	54.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	567.72	54.49
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	567.72	54.49
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	567.72	54.49
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	622.34	54.49
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	458.24	108.98
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	534.70	108.98
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	665.65	136.22
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	567.35	136.22
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	578.27	136.22
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	600.11	136.22
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	621.96	136.22
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	600.11	136.22
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	621.96	136.22
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	643.80	136.22
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	927.79	136.22
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	971.48	136.22
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	1,015.17	136.22
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	687.49	136.22
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	621.96	136.22
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	621.96	136.22
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,279.19	136.22
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,279.19	136.22
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	518.14	149.84
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	725.67	149.84
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	725.67	149.84
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	802.12	149.84
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	922.27	149.84
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	791.20	149.84
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,129.80	149.84
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	998.73	149.84
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,287.86	217.95
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,074.28	217.95
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,255.09	217.95
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,971.61	217.95
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,106.54	326.93
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,159.51	435.91
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,368.18	435.91
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,368.18	435.91
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,095.11	435.91
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,095.11	435.91
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,455.56	435.91
33 42 31 00-0425		Catch Basin Frames And Covers *(33 42 31 00-0001)*		
33 42 31 00-0426		Cast Iron Frames And Covers *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,189.27	119.74
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,515.76	135.30
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,726.10	140.09
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,949.26	162.85
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,298.83	185.59
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,715.11	193.97
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,995.47	147.27
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,616.72	170.03
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,968.78	177.22
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,798.66	177.22
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,891.64	184.40
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	3,109.38	191.58
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,753.87	205.95
33 42 31 00-0440		Area Yard Drain *(33 42 31 00-0001)* See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441		Ductile Iron Grates *(33 42 31 00-0440)* Note: Not for traffic loading.		
33 42 31 00-0442	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	171.71	41.62
33 42 31 00-0443	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	209.83	44.39
33 42 31 00-0444	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	483.36	55.49
33 42 31 00-0445	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	577.59	66.59
33 42 31 00-0446		Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*		
33 42 31 00-0447		Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0448	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,824.28	
33 42 31 00-0449	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,281.15	
33 42 31 00-0450	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,705.32	
33 42 31 00-0451	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,096.80	
33 42 31 00-0452	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,455.60	
33 42 31 00-0453	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,781.70	
33 42 31 00-0454	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,506.54	
33 42 31 00-0455	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,585.25	
33 42 31 00-0456	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,580.89	
33 42 31 00-0457	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,495.83	
33 42 31 00-0458	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,376.20	
33 42 31 00-0459	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,185.53	
33 42 31 00-0460	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,923.84	
33 42 31 00-0461		**Type OL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0462	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,845.83	
33 42 31 00-0463	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,272.82	
33 42 31 00-0464	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,667.11	
33 42 31 00-0465	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,028.71	
33 42 31 00-0466	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,356.43	
33 42 31 00-0467	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,652.66	
33 42 31 00-0468	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,326.25	
33 42 31 00-0469	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,379.74	
33 42 31 00-0470	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,350.15	
33 42 31 00-0471	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,238.66	
33 42 31 00-0472	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,097.15	
33 42 31 00-0473	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,884.62	
33 42 31 00-0474	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,601.08	
33 42 31 00-0475		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0476	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,787.25	
33 42 31 00-0477	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,186.96	
33 42 31 00-0478	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,552.78	
33 42 31 00-0479	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,887.11	
33 42 31 00-0480	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,187.55	
33 42 31 00-0481	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,455.30	
33 42 31 00-0482	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,145.98	
33 42 31 00-0483	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,173.03	
33 42 31 00-0484	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,119.40	
33 42 31 00-0485	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,982.69	
33 42 31 00-0486	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,818.11	
33 42 31 00-0487	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,583.72	
33 42 31 00-0488	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,277.11	
33 42 31 00-0489		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0490	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,129.28	
33 42 31 00-0491	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,488.70	
33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,815.45	
33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,109.48	
33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,370.84	
33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,599.49	
33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,307.24	
33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,298.46	
33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,207.78	
33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,035.21	
33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,840.76	
33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,574.10	
33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,236.42	
33 42 31 00-0503		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,853.40	
33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,132.75	
33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,379.41	
33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,593.38	
33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,773.45	
33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,922.04	
33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,578.55	
33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,499.13	
33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,337.81	
33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,094.59	
33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,838.85	
33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,510.87	
33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,111.90	
33 42 31 00-0517		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,667.07	
33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,138.36	
33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,572.12	
33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,968.33	
33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,328.18	
33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,651.70	
33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,470.45	
33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,643.74	
33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,724.97	
33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,712.92	
33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,669.19	
33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,545.57	
33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,340.87	
33 42 31 00-0531		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,688.61	
33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,128.83	
33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,532.70	
33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,900.24	
33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,230.21	
33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,522.64	
33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,341.40	
33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,487.23	
33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,540.96	
33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,502.62	
33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,434.98	
33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,287.47	
33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,060.05	
33 42 31 00-0545		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,902.88	
33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,274.93	
33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,619.56	
33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,939.17	
33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,233.74	
33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,500.89	
33 42 31 00-0552		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,623.97	
33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,042.08	
33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,430.32	
33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,788.67	
33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,117.15	
33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,414.54	
33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,977.13	
33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,972.37	
33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,892.32	
33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,736.99	
33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,549.81	
33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,297.39	
33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,978.52	
33 42 31 00-0566		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,063.12	
33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,429.97	
33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,770.59	
33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,086.19	
33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,374.37	
33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,637.51	
33 42 31 00-0573		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,543.86	
33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,964.57	
33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,355.39	
33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,715.15	
33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,046.23	
33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,346.24	
33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,942.97	
33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,940.11	
33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,860.76	
33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,706.14	
33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,519.54	
33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,267.67	
33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,950.55	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0587		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,623.97	
33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,042.08	
33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,430.32	
33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,788.67	
33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,117.15	
33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,414.54	
33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,977.13	
33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,972.37	
33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,892.32	
33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,736.99	
33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,549.81	
33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,297.39	
33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,978.52	
33 42 31 00-0601		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,043.10	
33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,410.30	
33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,752.46	
33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,067.21	
33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,356.94	
33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,620.44	
33 42 31 00-0608		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,083.16	
33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,449.66	
33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,789.93	
33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,103.97	
33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,391.79	
33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,654.58	
33 42 31 00-0615		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,485.28	
33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,058.73	
33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,630.11	
33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,083.25	
33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,533.11	
33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,942.97	
33 42 31 00-0622		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,226.40	
33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,850.70	
33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,428.80	
33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,961.92	
33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,448.85	
33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,890.78	
33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,221.86	
33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,689.13	
33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,043.65	
33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,286.63	
33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,484.55	
33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,584.60	
33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,586.79	
33 42 31 00-0636		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,465.24	
33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,039.06	
33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,572.87	
33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,065.47	
33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,515.69	
33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,925.90	
33 42 31 00-0643		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,366.61	
33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,986.07	
33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,560.51	
33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,088.77	
33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,572.04	
33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,010.32	
33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,238.94	
33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,705.85	
33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,060.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,301.45	
33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,499.09	
33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,598.87	
33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,600.78	

33 42 31 00-0657 Type GO Concrete Drainage Inlet Structure *(33 42 31 00-0446)*

33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,483.77	
33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,887.04	
33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,261.16	
33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,606.09	
33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,921.83	
33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,209.61	
33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,789.28	
33 42 31 00-0665	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,754.93	
33 42 31 00-0666	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,645.64	
33 42 31 00-0667	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,463.83	
33 42 31 00-0668	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,252.71	
33 42 31 00-0669	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,976.38	
33 42 31 00-0670	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,637.22	

33 42 31 00-0671 Type GDO Concrete Drainage Inlet Structure *(33 42 31 00-0446)*

33 42 31 00-0672	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,244.92	
33 42 31 00-0673	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,775.00	
33 42 31 00-0674	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,266.93	
33 42 31 00-0675	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,721.88	
33 42 31 00-0676	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,137.45	
33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,516.04	
33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,445.80	
33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,690.38	
33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,839.97	
33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,895.82	
33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,912.36	
33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,846.47	
33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,698.15	

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,507.16	140.09
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,678.51	162.85
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,789.97	162.85
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	3,054.64	191.58
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	3,015.55	204.75

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*

Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	73.47	19.16
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0007 Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	55.72	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	67.69	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	67.69	

33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	225.13	19.16
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	102.57	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	114.54	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	114.54	
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	197.03	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	197.03	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	933.38	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,806.90	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	327.77	19.16
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	111.30	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	123.27	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	123.27	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	197.03	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	197.03	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	933.38	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,806.90	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	423.86	19.16
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	181.18	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	193.15	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	193.15	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	197.03	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	197.03	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	933.38	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,806.90	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	506.72	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	200.98	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	244.90	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	77.72	
33 42 36 00-0058		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0059		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0060		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	423.93	26.34
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	211.00	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.96	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.96	
33 42 36 00-0066		Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	352.14	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	461.33	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,839.15	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,586.19	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	533.12	26.34
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0075		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	219.74	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	235.70	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	235.70	
33 42 36 00-0079		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	352.14	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	461.33	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,839.15	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,586.19	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	751.50	26.34
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	547.31	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	563.27	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	563.27	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	352.14	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	461.33	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,839.15	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,586.19	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	679.63	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	341.79	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	588.84	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	136.30	
33 42 36 00-0105		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0105)*		
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	594.35	35.92
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	671.50	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	979.95	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	979.95	
33 42 36 00-0113		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	800.24	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,643.74	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,137.82	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0118		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	46.50	3.59
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	48.89	3.59
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.35	3.59
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	104.89	3.59
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.35	3.59
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	104.89	3.59
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.63	3.59
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.66	3.59
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.83	3.59
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.59	3.59
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.69	3.59
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.88	3.59
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.88	3.59
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.69	3.59
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.86	3.59
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.86	3.59
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.90	3.59
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.90	3.59
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	220.00	3.59
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	220.00	3.59
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.44	3.59
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.44	3.59
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,124.10	3.59
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	150.12	3.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.82	3.59
33 42 36 00-0146		**12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	596.21	3.89
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	570.00	3.89
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.75	3.89
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.86	3.89
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.89	3.89
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	881.19	3.89
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	881.19	3.89
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.69	3.89
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.69	3.89
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.88	3.89
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.88	3.89
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.72	3.89
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	643.16	3.89
33 42 36 00-0160		**23" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.85	4.19
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.35	4.19
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,230.11	4.19
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	911.27	4.19

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	20,243.41
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,740.02
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	29,603.87
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	31,373.56
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	36,067.41
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	44,014.64
		For Interior Polyurethane Coating, Add	*1,340.10*
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	51,206.36
		For Interior Polyurethane Coating, Add	*1,550.70*
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	67,978.74
		For Interior Polyurethane Coating, Add	*2,057.80*

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,259.51
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,711.70
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	1,014.20
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	750.59
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	256.30
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,318.85
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,637.70
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,956.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	780.09	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	920.68	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,841.36	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	4,080.14	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,109.61	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,445.47	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,001.02	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,644.23	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,685.52	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,880.58	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,413.96	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,465.27	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,786.01	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,805.33	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,397.17	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,695.94	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	2,012.28	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	118.63	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	134.01	
33 44 36 00-0041		Oil Skimmers *(33 44 36)*		
33 44 36 00-0042		Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,345.77	748.33
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,581.57	748.33
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,367.61	748.33
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,669.99	748.33
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,615.41	748.33
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,815.18	748.33
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,666.71	748.33
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,968.01	748.33
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,098.24	997.98
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,350.41	997.98
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,164.83	997.98
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,527.26	997.98
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,735.76	997.98
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,987.93	997.98
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,789.25	997.98
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,152.77	997.98
33 44 36 00-0059		Oil Skimmers, Add-Ons *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	286.26	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	334.29	

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	622.88	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	575.01	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	540.30	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	506.72	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	259.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	229.70	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	212.26	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	195.08	
33 46 23 00-0011		85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	354.39	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	324.76	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	304.03	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	285.06	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	202.69	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	180.64	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	167.09	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	154.97	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,060.42	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	988.61	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	930.97	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	878.45	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	893.20	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	829.73	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	780.05	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	735.07	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	646.86	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	597.81	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	561.94	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	527.27	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	259.40	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	225.17	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	212.26	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	195.08	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,102.29	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,026.31	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	964.53	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	910.94	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,373.03	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,283.49	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,208.87	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,143.06	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	66.62	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	84.74	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	110.52	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	139.64	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	777.92	

33 46 53 Stormwater Leaching Pits *(33 46)*

33 46 53 00-0001 Drainage Wells *(33 46 53)*

Note: Includes augering hole.

33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	35.86	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	44.13	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	59.58	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	20.95	3.28
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.11	3.61
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	27.55	3.71
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	28.27	3.80
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.33	3.85
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.08	4.13
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	43.23	4.87
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	53.89	6.16
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	72.52	7.43
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	97.77	8.61
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	122.89	10.52
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	178.64	13.53

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,627.55
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,720.22
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,896.30
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	4,602.80
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	7,134.27

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,066.20
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,118.16
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,189.56
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,258.69
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,310.48
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,603.84
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,694.45

33 52 16 13-0030 Protective Pipe And Fitting Wrap *(33 52 16 13-0001)*

Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe *(33 52 16 13-0030)*

Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.05
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.27
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.53
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.25
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.62
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.67
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.98	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.28	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	20.57	
33 52 16 13-0042		Corrosion Resistance Wrap And Coat - Fittings *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.99	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.99	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.41	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.59	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.59	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	39.78	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	52.88	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	75.56	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	76.87	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	89.01	
33 52 16 13-0053		Service Fittings *(33 52 16 13-0001)*		
33 52 16 13-0054		Brass Fittings *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	42.42	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	49.31	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	62.61	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	77.77	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	87.31	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	113.76	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	36.71	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	42.23	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	54.87	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	71.03	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	81.27	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	108.79	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	29.78	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	38.25	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	49.82	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	70.80	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	85.54	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	114.58	
33 52 16 13-0073		Anodeless Gas Riser *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodeless Gas Riser	109.03	
33 52 16 13-0075	EA	1" Anodeless Gas Riser	134.96	
33 52 16 13-0076	EA	1-1/4" Anodeless Gas Riser	158.48	
33 52 16 13-0077	EA	1-1/2" Anodeless Gas Riser	198.59	
33 52 16 13-0078	EA	2" Anodeless Gas Riser	228.24	
33 52 16 13-0079		Brass Service Adapter *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	78.48	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	86.33	
33 52 16 13-0082	EA	1" Brass Service Adapter	103.42	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	123.97	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	147.31	
33 52 16 13-0085	EA	2" Brass Service Adapter	175.40	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	318.79	
33 52 16 13-0087	EA	3" Brass Service Adapter	389.42	
33 52 16 13-0088	EA	4" Brass Service Adapter	560.99	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)*		
		Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.77	2.05
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.34	2.20
		For SDR 13.5, Deduct	*-0.15*	
		For Colors, Add	*0.10*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.91	2.35
		For SDR 13.5, Deduct	*-0.18*	
		For Colors, Add	*0.12*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.49	2.49
		For SDR 13.5, Deduct	*-0.22*	
		For Colors, Add	*0.14*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.54	3.00
		For SDR 13.5, Deduct	*-0.31*	
		For Colors, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.60	3.26
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For Colors, Add	*0.26*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	11.06	3.82
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.24*	
		For Colors, Add	*0.43*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	13.65	4.54
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.69*	
		For Colors, Add	*0.59*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	22.21	5.15
		For SDR 13.5, Deduct	*-1.70*	
		For SDR 15.5, Deduct	*-3.13*	
		For Colors, Add	*1.10*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	28.38	5.15
		For SDR 13.5, Deduct	*-2.36*	
		For SDR 15.5, Deduct	*-4.34*	
		For Colors, Add	*1.52*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	34.64	5.15
		For SDR 13.5, Deduct	*-3.02*	
		For SDR 15.5, Deduct	*-5.55*	
		For Colors, Add	*1.95*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	52.11	6.44
		For SDR 13.5, Deduct	*-5.02*	
		For SDR 15.5, Deduct	*-9.24*	
		For Colors, Add	*3.24*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.87	2.05
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.47	2.20
		For SDR 13.5, Deduct	*-0.16*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.05	2.35
		For SDR 13.5, Deduct	*-0.20*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.67	2.49
		For SDR 13.5, Deduct	*-0.24*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.79	3.00
		For SDR 13.5, Deduct	*-0.34*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.93	3.26
		For SDR 13.5, Deduct	*-0.45*	
		For SDR 15.5, Deduct	*-0.82*	
		For SDR 17, Deduct	*-1.19*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	11.61	3.82
		For SDR 13.5, Deduct	*-0.74*	
		For SDR 15.5, Deduct	*-1.36*	
		For SDR 17, Deduct	*-1.98*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	14.39	4.54
		For SDR 13.5, Deduct	*-1.01*	
		For SDR 15.5, Deduct	*-1.86*	
		For SDR 17, Deduct	*-2.70*	
		For SDR 21, Deduct	*-3.70*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	23.59	5.15
		For SDR 13.5, Deduct	*-1.87*	
		For SDR 15.5, Deduct	*-3.44*	
		For SDR 17, Deduct	*-4.99*	
		For SDR 21, Deduct	*-6.84*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	37.07	5.15
		For SDR 13.5, Deduct	*-3.32*	
		For SDR 15.5, Deduct	*-6.10*	
		For SDR 17, Deduct	*-8.86*	
		For SDR 21, Deduct	*-12.13*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	56.17	6.44
		For SDR 13.5, Deduct	*-5.53*	
		For SDR 15.5, Deduct	*-10.16*	
		For SDR 17, Deduct	*-14.75*	
		For SDR 21, Deduct	*-20.19*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	267.13	21.67
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	272.06	21.67
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	283.85	25.73
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	952.87	29.79
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	1,015.09	46.14
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,850.15	103.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,960.18	137.17

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	654.30	84.80
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,286.62	129.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,513.24	129.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,310.01	162.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,743.58	199.52
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,929.30	162.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,486.13	199.52
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	7,243.76	211.99
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	10,251.25	249.40
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	15,657.76	411.51
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,569.09	433.54
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,460.29	503.46
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	20,821.27	536.93
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	40,483.56	653.65
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	66,783.02	817.05

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,673.54
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,847.75
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,847.75
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,196.17
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	3,121.68
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,615.29
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,401.33
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	3,034.58
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	3,034.58
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,437.44
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,546.15
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,418.73
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,461.80
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	4,169.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	4,169.54	
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,795.09	
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,494.95	
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	7,381.84	
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	9,393.35	
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	9,393.35	
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,734.51	
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	10,381.77	
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,649.66	
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	14,391.11	
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	19,603.11	
33 61 13 00-0028		**90 Degree Elbow, Glass Lined Steel Fittings** *(33 61 13 00-0001)*		
		Note: 150 PSIG		
33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	2,013.77	
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,291.89	
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	6,064.23	
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,761.99	
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,933.80	
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	18,715.61	
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	21,497.01	
33 61 13 00-0036		**45 Degree Elbow, Glass Lined Steel Fittings** *(33 61 13 00-0001)*		
		Note: 150 PSIG		
33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,973.85	
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,291.89	
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	6,340.06	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	17,861.17	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,933.80	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	18,715.61	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	21,497.01	
33 61 13 00-0044		**Tee, Glass Lined Steel Fittings** *(33 61 13 00-0001)*		
		Note: 150 PSIG		
33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	3,130.50	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,373.55	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,954.94	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	13,720.87	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	19,528.60	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	23,012.52	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	26,435.59	
33 61 13 00-0052		**Prefabricated/Preinsulated Pipe** *(33 61 13)*		
		Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0053		**Preinsulated Schedule 40 Black Steel Pipe** *(33 61 13 00-0052)*		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0053)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	205.08	22.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.51*	
		For Schedule 80 Pipe, Add	*35.13*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	224.94	23.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
		For Schedule 80 Pipe, Add	*38.63*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	251.32	25.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.35*	
		For Schedule 80 Pipe, Add	*43.52*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.14	26.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.67*	
		For Schedule 80 Pipe, Add	*46.70*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.93	28.36
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
		For Schedule 80 Pipe, Add	*48.82*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	312.11	35.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.31*	
		For Schedule 80 Pipe, Add	*53.07*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.64	42.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
		For Schedule 80 Pipe, Add	*57.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	433.54	54.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
		For Schedule 80 Pipe, Add	*72.17*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	550.71	66.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.23*	
		For Schedule 80 Pipe, Add	*92.34*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.28	78.20
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.72*	
		For Schedule 80 Pipe, Add	*107.20*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	906.11	94.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.60*	
		For Schedule 80 Pipe, Add	*156.03*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,179.48	112.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.59*	
		For Schedule 80 Pipe, Add	*205.91*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,468.81	138.38
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.69*	
		For Schedule 80 Pipe, Add	*256.86*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	222.65	22.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
		For Schedule 80 Pipe, Add	*38.65*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	244.26	23.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.25*	
		For Schedule 80 Pipe, Add	*42.50*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	273.08	25.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.79*	
		For Schedule 80 Pipe, Add	*47.87*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	292.49	26.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.14*	
		For Schedule 80 Pipe, Add	*51.37*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	306.34	28.36
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.71*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	338.64	35.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.84*	
		For Schedule 80 Pipe, Add	*58.38*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	372.30	42.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.30*	
		For Schedule 80 Pipe, Add	*63.05*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	469.63	54.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.94*	
		For Schedule 80 Pipe, Add	*79.39*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	596.88	66.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.16*	
		For Schedule 80 Pipe, Add	*101.58*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	693.88	78.20
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	
		For Schedule 80 Pipe, Add	*117.92*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	984.12	94.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.16*	
		For Schedule 80 Pipe, Add	*171.63*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,282.44	112.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.65*	
		For Schedule 80 Pipe, Add	*226.50*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,597.24	138.38
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.25*	
		For Schedule 80 Pipe, Add	*282.54*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.43	22.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
		For Schedule 80 Pipe, Add	*40.40*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.92	23.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
		For Schedule 80 Pipe, Add	*44.43*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	283.95	25.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
		For Schedule 80 Pipe, Add	*50.04*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	304.16	26.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.71*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.55	28.36
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
		For Schedule 80 Pipe, Add	*56.15*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	351.91	35.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
		For Schedule 80 Pipe, Add	*61.03*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	386.62	42.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
		For Schedule 80 Pipe, Add	*65.91*	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.68	54.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
		For Schedule 80 Pipe, Add	*83.00*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	619.96	66.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.62*	
		For Schedule 80 Pipe, Add	*106.19*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	720.68	78.20
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.33*	
		For Schedule 80 Pipe, Add	*123.28*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,023.13	94.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.94*	
		For Schedule 80 Pipe, Add	*179.43*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,333.92	112.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.68*	
		For Schedule 80 Pipe, Add	*236.80*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,661.45	138.38
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.54*	
		For Schedule 80 Pipe, Add	*295.39*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	244.61	22.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.30*	
		For Schedule 80 Pipe, Add	*43.04*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.41	23.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.73*	
		For Schedule 80 Pipe, Add	*47.33*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	300.27	25.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.33*	
		For Schedule 80 Pipe, Add	*53.31*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	321.68	26.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.72*	
		For Schedule 80 Pipe, Add	*57.21*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	336.86	28.36
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
		For Schedule 80 Pipe, Add	*59.81*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	371.81	35.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.50*	
		For Schedule 80 Pipe, Add	*65.01*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	408.12	42.80
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.02*	
		For Schedule 80 Pipe, Add	*70.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	514.74	54.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.84*	
		For Schedule 80 Pipe, Add	*88.41*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	654.59	66.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.31*	
		For Schedule 80 Pipe, Add	*113.12*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	760.88	78.20
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.13*	
		For Schedule 80 Pipe, Add	*131.32*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,081.64	94.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.11*	
		For Schedule 80 Pipe, Add	*191.13*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,411.13	112.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.22*	
		For Schedule 80 Pipe, Add	*252.24*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,757.77	138.38
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.47*	
		For Schedule 80 Pipe, Add	*314.65*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.76*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,515.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.39*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,731.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.17*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,911.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.00*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,087.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.42*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,304.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.84*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,667.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.50*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,112.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.59*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,865.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.76*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,331.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.41*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,183.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.68*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,109.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*133.81*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,558.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*177.10*	

33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,574.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.77*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,618.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.45*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,848.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,038.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.55*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,220.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.08*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,442.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.60*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,826.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.69*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,298.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.31*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,104.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.54*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,603.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.84*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,576.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.54*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,611.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*143.84*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,222.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.38*	

33 61 13 00-0140 Elbows *(33 61 13 00-0111)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,674.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.78*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,721.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.50*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,964.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.84*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,166.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.10*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,353.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.73*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,580.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.36*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,986.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.88*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,484.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.03*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,343.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.32*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,875.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.28*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,968.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.39*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,112.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.88*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,886.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.66*	

33 61 13 00-0154 Elbows *(33 61 13 00-0111)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,774.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.78*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,823.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,081.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.18*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,293.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.65*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,485.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.39*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,719.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.12*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,145.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.07*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,670.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.74*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,582.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.10*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,146.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.71*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,361.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*128.24*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,614.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*163.91*	
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,550.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*216.95*	

33 61 13 00-0168 Tees *(33 61 13 00-0110)*

33 61 13 00-0169 Tees *(33 61 13 00-0168)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,190.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.74*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,252.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.68*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,573.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.29*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,840.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.49*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,104.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.60*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,428.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.70*	
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,969.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.12*	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,631.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.64*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,753.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*94.68*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,444.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*107.53*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,195.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*155.46*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,066.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*198.70*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,704.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*262.99*	

33 61 13 00-0183 Tees *(33 61 13 00-0168)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,339.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,405.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.73*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,746.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.76*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,030.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.28*	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,301.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.54*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,633.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.80*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,205.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.85*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,907.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.16*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,108.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*101.78*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,847.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.60*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,778.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.12*	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,811.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*213.61*	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,690.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*282.72*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,488.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.70*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,557.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.78*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,920.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.23*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,219.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.07*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,498.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.49*	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,838.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.91*	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,442.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.59*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,183.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.68*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,463.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.88*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,251.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.66*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,361.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.78*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,556.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.51*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,677.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.44*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,637.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.68*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,710.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.83*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,093.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.70*	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,409.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*61.86*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,695.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.43*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,043.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.01*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,679.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.32*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,459.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*90.21*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,818.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.98*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,654.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*131.73*	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,944.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.44*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,301.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*243.41*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	18,663.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*322.16*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,232.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.21*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,268.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.73*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,448.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.87*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,600.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.22*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,754.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.40*	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,955.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.57*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,256.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.28*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,627.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.16*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,255.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.92*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,645.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.10*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,199.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*86.89*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,830.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*111.06*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,880.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*146.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,315.98
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.88*
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,353.43
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.44*
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,545.93
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.81*
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,706.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.34*
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,864.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.60*
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,070.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.87*
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,388.55
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.92*
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,781.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.24*
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,454.28
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.89*
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,870.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.61*
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,525.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.41*
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,247.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.39*
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,431.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.02*

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,399.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.54*
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,438.69
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.15*
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,642.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.75*
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,812.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.46*
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,975.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.81*
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,184.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.16*
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,520.85
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.57*
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,936.02
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.33*
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,652.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.85*
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,096.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.12*
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,850.88
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.92*
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,663.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.72*
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,982.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*169.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0268		**Reducers** *(33 61 13 00-0225)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,482.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.21*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,523.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.85*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,739.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.69*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,918.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.57*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,085.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.01*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,299.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.45*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,653.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.22*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,090.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.42*	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,851.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.82*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,321.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.63*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,176.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*106.44*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,080.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*136.05*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,533.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*180.07*	
33 61 13 00-0282		**Preinsulated Type K Copper Pipe** *(33 61 13 00-0052)*		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283		**Type K Copper Carrier Pipe** *(33 61 13 00-0282)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.62	20.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.16	21.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.15	23.09
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.04	24.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.58	25.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.34	32.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.50	39.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	118.58	49.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	147.64	60.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	172.37	71.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	224.42	86.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	279.41	102.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	345.96	126.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.76	20.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.51	21.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.81	23.09
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.89	24.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.55	25.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	83.57	32.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.00	39.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	122.98	49.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	153.27	60.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	178.90	71.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	233.93	86.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	291.96	102.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.62	126.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.83	20.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.69	21.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.13	23.09
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.31	24.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	73.04	25.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	85.19	32.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	98.74	39.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	125.18	49.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	156.08	60.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	182.17	71.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	238.68	86.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	298.24	102.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	369.45	126.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.44	20.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.46	21.75
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.12	23.09
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.45	24.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	75.27	25.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	87.61	32.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	101.36	39.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	128.48	49.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	160.31	60.94
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	187.07	71.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	245.81	86.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.65	102.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.19	126.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

33 61 13 00-0341 Elbows *(33 61 13 00-0340)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	434.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	493.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	598.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	738.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	859.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,002.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,170.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0351		EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,278.92	
			For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0352		EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,780.43	
			For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0353		EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,454.03	
			For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0354		EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,096.41	
			For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 00-0355 Elbows *(33 61 13 00-0340)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0356		EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	380.29	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0357		EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	395.57	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0358		EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	455.71	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 00-0359		EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	516.84	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0360		EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	622.50	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0361		EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	763.57	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0362		EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	888.17	
			For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0363		EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,036.59	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0364		EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,214.18	
			For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0365		EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,328.45	
			For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0366		EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,852.03	
			For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0367		EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,545.55	
			For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0368		EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,217.55	
			For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0370		EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	398.60	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0371		EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	414.31	
			For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0372		EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	477.03	
			For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0373		EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	540.10	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0374		EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	646.72	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0375		EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	788.76	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0376		EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	917.24	
			For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0377		EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,070.51	
			For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,257.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,378.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,923.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,636.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,339.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	416.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	433.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	498.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	563.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	670.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	813.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	946.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,104.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,301.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.25*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,427.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,995.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,728.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,460.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	539.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	561.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	647.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	735.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	892.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,101.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,282.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,497.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,750.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,909.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,654.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.36*	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,664.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,620.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	566.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	589.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	678.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	770.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	927.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,139.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,326.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,547.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,815.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,982.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.09*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,760.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,800.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,800.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.57*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	593.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	616.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	710.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	804.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	963.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,176.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,369.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,598.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,879.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,056.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,866.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,933.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,983.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	620.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	644.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	742.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	839.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	999.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,214.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,412.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,648.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,944.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,130.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,972.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.74*	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,069.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,163.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	308.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	321.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	371.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	515.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	650.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	749.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	870.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,013.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,105.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,535.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,123.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,671.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	337.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	388.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	441.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	535.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	670.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.00*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	773.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	898.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,049.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,146.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,595.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,199.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,772.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	339.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	461.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	691.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	798.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	926.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,085.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,187.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,654.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.23*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,275.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.30*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,872.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	354.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	424.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	480.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	576.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	712.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	822.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	954.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,121.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,228.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,713.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,351.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.82*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,973.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	446.07	64.29
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	658.21	92.32
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	927.57	111.55
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,204.85	132.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,499.99	163.37
33 61 13 00-0518		**Ductile Iron Carrier Pipe** *(33 61 13 00-0511)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	487.01	64.34
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	719.02	92.32
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,016.07	111.55
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,321.65	132.74
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,645.69	163.38
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,813.87	174.32
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,072.48	186.77
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,365.23	199.23
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,625.64	211.68
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,169.31	230.36
33 61 13 00-0529		**Preinsulated Ductile Iron Fittings** *(33 61 13 00-0052)*		
33 61 13 00-0530		**Elbows** *(33 61 13 00-0529)*		
33 61 13 00-0531		**Elbows** *(33 61 13 00-0530)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,257.50	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,004.18	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,601.22	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,199.22	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	14,648.03	
33 61 13 00-0537		**Elbows** *(33 61 13 00-0530)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,763.24	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,742.71	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,668.90	
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,563.91	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,454.24	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,146.16	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	24,091.58	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	30,154.42	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	38,051.95	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	48,173.26	
33 61 13 00-0548		**Tees** *(33 61 13 00-0529)*		
33 61 13 00-0549		**Tees** *(33 61 13 00-0548)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,331.89	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,927.85	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,785.30	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,654.63	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	21,777.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0555		**Tees** *(33 61 13 00-0548)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,082.91	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,024.59	
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	14,370.80	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,681.20	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	24,460.10	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	29,750.32	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	35,582.79	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	44,538.13	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	56,215.59	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	71,139.55	
33 61 13 00-0566		**Reducers** *(33 61 13 00-0529)*		
33 61 13 00-0567		**Reducers** *(33 61 13 00-0566)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,577.77	
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,033.48	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,205.69	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,395.29	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,274.51	
33 61 13 00-0573		**Reducers** *(33 61 13 00-0566)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,997.53	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,646.46	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,091.84	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,527.98	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,773.68	
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,736.24	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,003.87	
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	24,959.10	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	31,605.08	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	40,051.17	
33 61 13 00-0584		**Tempered Water Piping Pre-Insulated** *(33 61 13 00-0052)*		
33 61 13 00-0585		**Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation** *(33 61 13 00-0584)*		
33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	152.01	26.09
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	198.11	29.81
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	275.67	32.68
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	379.36	40.85
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	486.64	50.38
33 61 13 00-0591		**Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation** *(33 61 13 00-0584)*		
33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	75.52	29.81
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	90.47	29.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	104.68	29.81
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	125.12	35.23
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	151.59	44.71
33 61 13 00-0597		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	75.51	29.81
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	90.47	29.81
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	103.33	29.81
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	125.11	35.23
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	151.58	44.71

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,742.50	592.72
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,316.10	656.99
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,866.69	714.12
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	6,163.09	856.94
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,608.00	856.94
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	7,124.24	892.65
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	8,208.48	999.77
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,892.58	656.99
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,434.47	428.48
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,819.49	856.94
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,475.68	999.77
33 71 19 13-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	1,577.93	249.94
33 71 19 13-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	1,664.98	267.79

33 71 19 13-0016 Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*

33 71 19 13-0017	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	147.81	
33 71 19 13-0018	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	59.14	
33 71 19 13-0019	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	90.82	
33 71 19 13-0020	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	192.54	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	298.01	
		For Galvanized Steel Cover, Add	*51.06*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	74.60	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	74.60	
33 71 19 13-0024	EA	Body, CALTRANS 5 Precast Concrete Pull Box	211.41	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	79.11	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	110.79	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	395.36	
		For Galvanized Steel Cover, Add	*93.61*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	105.80	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	98.93	
33 71 19 13-0030	EA	Body, CALTRANS 6 Precast Concrete Pull Box	231.38	
33 71 19 13-0031	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	105.94	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	137.63	
33 71 19 13-0033	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	542.64	
		For Galvanized Steel Cover, Add	*131.05*	
33 71 19 13-0034	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	125.77	
33 71 19 13-0035	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	118.28	
33 71 19 13-0036	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	163.21	
33 71 19 13-0037	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	330.66	
33 71 19 13-0038	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	475.24	
33 71 19 13-0039	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	150.73	
33 71 19 13-0040	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	138.25	
33 71 19 13-0041	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	431.08	
33 71 19 13-0042	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	687.42	
33 71 19 13-0043	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	180.69	
33 71 19 13-0044	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	175.69	
33 71 19 13-0045	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	613.30	
33 71 19 13-0046	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	962.01	
33 71 19 13-0047	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	305.50	
33 71 19 13-0048	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	238.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0049		**Precast Concrete Box Extensions** *(33 71 19 13-0001)*		
33 71 19 13-0050	EA	14" x 20" x 12", Precast Concrete Extension	239.20	45.87
33 71 19 13-0051	EA	18" x 28" x 12", Precast Concrete Extension	300.53	58.11
33 71 19 13-0052	EA	24" x 36" x 12", Precast Concrete Extension	392.49	79.51
33 71 19 13-0053	EA	30" x 48" x 12", Precast Concrete Extension	485.60	110.10
33 71 19 13-0054	EA	36" x 60" x 12", Precast Concrete Extension	772.92	134.56
33 71 19 13-0055	EA	36" x 72" x 12", Precast Concrete Extension	1,030.81	152.90
33 71 19 13-0056	EA	48" x 48" x 12", Precast Concrete Extension	1,166.09	140.67
33 71 19 13-0057	EA	48" x 60" x 12", Precast Concrete Extension	1,430.02	165.13
33 71 19 13-0058		**Electrical Property Line Boxes** *(33 71 19 13)*		
33 71 19 13-0059	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,850.87	482.03
33 71 19 13-0060	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,884.61	499.88
33 71 19 13-0061	EA	6' x 4' x 5' Deep Property Line Box	7,546.24	607.00
33 71 19 13-0062	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,558.98	892.65
33 71 19 13-0063		**Manhole Accessories** *(33 71 19 13)*		
33 71 19 13-0064	EA	6" Precast Grade Ring Riser Casting	541.96	162.57
33 71 19 13-0065	EA	12" Precast Grade Ring Riser Casting	586.94	176.12
33 71 19 13-0066	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,297.57	270.95
33 71 19 13-0067	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,995.26	338.69
33 71 19 13-0068	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	983.12	180.87
33 71 19 13-0069	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,244.83	203.21

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	38.02
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	76.08
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	78.32
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	157.10
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	115.29
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	231.82
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	348.50
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	216.03
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	430.82
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	663.17
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	307.05
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	616.35
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	917.03

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.71
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.15
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.76
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.53
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	23.03
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	46.77
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.40
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	30.81
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	61.69
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	92.51
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.44
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.84
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	75.19
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	106.58
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	34.59
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	52.60
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	105.44
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	170.56

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.67
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	40.50	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.96	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.91	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	47.66	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.76	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.53	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	63.13	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	94.67	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.98	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.93	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	77.35	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	109.83	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	35.34	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	54.16	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	108.56	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	175.23	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	46.60	
33 71 19 23-0056	EA	3" Adapter	67.09	
33 71 19 23-0057	EA	4" Adapter	86.67	
33 71 19 23-0058	EA	5" Adapter	132.33	
33 71 19 23-0059	EA	6" Adapter	163.75	
33 71 19 23-0060		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	403.43	

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 Traffic Signals *(34 41 13)*

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	8,426.44	908.17

34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	452.12	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	563.83	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	642.66	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	551.59	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	957.23	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,170.24	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,251.90	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,548.37	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,668.20	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,771.46	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,917.83	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	9.07	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	4.18	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	297.51	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	842.40	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	522.69	

34 41 13 00-0020 Overhead Traffic Signals *(34 41 13)*

34 41 13 00-0021	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	6,872.09	1,210.90
34 41 13 00-0022	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	7,076.73	1,210.90
34 41 13 00-0023	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	7,353.59	1,210.90
34 41 13 00-0024	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,285.18	270.95
34 41 13 00-0025	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,405.55	270.95
34 41 13 00-0026	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,800.38	270.95
34 41 13 00-0027	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,285.18	270.95
34 41 13 00-0028	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,405.55	270.95
34 41 13 00-0029	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,800.38	270.95
34 41 13 00-0030	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,285.18	270.95
34 41 13 00-0031	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,405.55	270.95
34 41 13 00-0032	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,800.38	270.95
34 41 13 00-0033	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,285.18	270.95
34 41 13 00-0034	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,405.55	270.95
34 41 13 00-0035	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,800.38	270.95
34 41 13 00-0036	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,285.18	270.95
34 41 13 00-0037	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,405.55	270.95
34 41 13 00-0038	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,800.38	270.95
34 41 13 00-0039	EA	Phase Selector, 2 Channel	4,100.30	33.87
34 41 13 00-0040	EA	Phase Selector, 4 Channel	6,375.39	33.87
34 41 13 00-0041	EA	Malfunction Management Unit For Use With NEMA Controller	2,061.48	67.74
34 41 13 00-0042	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller	2,061.48	67.74
34 41 13 00-0043	EA	Time Switch, 1-Circuit	331.17	40.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	414.25	16.93
34 41 13 00-0045	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	541.85	16.93
34 41 13 00-0046	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	770.57	16.93
34 41 13 00-0047	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	967.98	16.93
34 41 13 00-0048	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	2,629.15	16.93
34 41 13 00-0049	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,629.15	16.93
34 41 13 00-0050	EA	Power Line Surge Protector	242.75	10.16
34 41 13 00-0051	EA	Loop Detector Surge Protector	123.48	10.16
34 41 13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	15,751.11	1,702.82
34 41 13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	17,123.39	1,702.82
34 41 13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	18,772.52	1,702.82
34 41 13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	19,278.10	1,702.82
34 41 13 00-0056	EA	Speed Limit Beacon Control Option	6,926.92	454.09
34 41 13 00-0057	EA	Speed Limit Beacon Control Cabinet	7,835.09	908.17
34 41 13 00-0058	EA	Remote Detector Cabinet	4,103.46	908.17
34 41 13 00-0059	EA	Traffic Signal Hand Control	1,145.34	151.36
34 41 13 00-0060	EA	Load Switch	114.21	10.16
34 41 13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly	904.60	151.36
34 41 13 00-0062	EA	Fiber Optic Transceivers-Repeater Module	1,650.79	270.95
34 41 13 00-0063	EA	Field Transceiver-Repeater	859.15	67.74
34 41 13 00-0064	EA	30" Pedestal With Base Plate And Cover	998.75	136.18
34 41 13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal)	1,170.02	142.37
34 41 13 00-0066	EA	8' Pedestal With Base Plate And Cover	1,466.74	159.70
34 41 13 00-0067	EA	11' Pedestal With Base Plate And Cover	1,632.26	173.32
34 41 13 00-0068	EA	15' Pedestal With Base Plate And Cover	1,814.19	206.74
34 41 13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.85	
34 41 13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.98	
34 41 13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.36	
34 41 13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.77	
34 41 13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.16	
34 41 13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.87	
34 41 13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.55	
34 41 13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.87	
34 41 13 00-0077	LF	3/16" Diameter Messenger Cable	0.77	0.12
34 41 13 00-0078	LF	1/4" Diameter Messenger Cable	0.92	0.12
34 41 13 00-0079	LF	3/8" Diameter Messenger Cable	1.71	0.12
34 41 13 00-0080	LF	1/2" Diameter Messenger Cable	3.55	0.24
34 41 13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	3,210.64	
34 41 13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	5,068.53	
34 41 13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	3,109.25	302.72
34 41 13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,838.41	378.40
34 41 13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	4,182.37	454.09
34 41 13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	4,718.93	529.76
34 41 13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	5,062.90	605.45
34 41 13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	4,929.32	302.72
34 41 13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	6,072.57	378.40
34 41 13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	6,551.35	454.09
34 41 13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	7,319.03	529.76
34 41 13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	7,855.60	605.45
34 41 13 00-0093	EA	Photoelectric Controller, Multi-Volt	106.56	35.22
34 41 13 00-0094	EA	Photoelectric Controller, 120 Volt	107.05	35.22
34 41 13 00-0095	EA	Photoelectric Controller, 480 Volt	107.05	35.22
34 41 13 00-0096	EA	Wi-Fi Communication Unit	1,624.44	151.36
34 41 13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket	347.42	113.52
34 41 13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector	317.48	75.68
34 41 13 00-0099	EA	Wi-Fi Communication Unit Packet	2,289.33	227.04
34 41 13 00-0100	LF	Preemptor Detector Cable	1.87	
34 41 13 00-0101	EA	Sno-Shoe Cable Storage Assembly	294.32	
34 41 13 00-0102	EA	16' Pedestal With Base Plate And Cover	1,914.50	206.74
34 41 13 00-0103	EA	Vehicle Signal Face, LED, 1 - 12" Section	629.13	192.98
34 41 13 00-0104	EA	Vehicle Signal Face, LED, 2 - 12" Sections	1,024.00	272.45
34 41 13 00-0105	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,436.39	332.99
34 41 13 00-0106	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,364.17	332.99
34 41 13 00-0107	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,825.05	370.84
34 41 13 00-0108	EA	Vehicle Signal Face, LED, 5 - 12" Sections	2,183.43	393.55
34 41 13 00-0109	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,323.06	393.55
34 41 13 00-0110	EA	Vehicle Signal Face, LED, 1 - 8" Section	593.01	192.98
34 41 13 00-0111	EA	Vehicle Signal Face, LED, 2 - 8" Sections	951.78	272.45
34 41 13 00-0112	EA	Vehicle Signal Face, LED, 3 - 8" Sections	1,260.64	332.99
34 41 13 00-0113	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,349.72	332.99
34 41 13 00-0114	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,670.97	370.84
34 41 13 00-0115	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,620.41	370.84
34 41 13 00-0116	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,918.60	393.55
34 41 13 00-0117	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	2,031.76	393.55
34 41 13 00-0118	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,929.04	332.99
34 41 13 00-0119	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,830.49	370.84
34 41 13 00-0120	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	5,000.20	393.55
34 41 13 00-0121	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,421.52	393.55
34 41 13 00-0122	EA	Bracket Signal Mounting Assembly	606.06	151.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0123	EA	Mast Arm Signal Mounting Assembly	1,072.51	302.72
34 41 13 00-0124	EA	Top Pole Signal Mounting Assembly	376.30	113.52
34 41 13 00-0125	EA	Pedestrian Signal Head	1,104.11	227.04
34 41 13 00-0126	EA	Pedestrian Signal Insert	682.06	113.52
34 41 13 00-0127	EA	Audible Pedestrian Signal	1,533.18	
34 41 13 00-0128	EA	Junction Box, Pole Or Post Mounted	630.34	
34 41 13 00-0129	EA	Pedestrian Push Button	566.43	
34 41 13 00-0130	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,569.96	
34 41 13 00-0131	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,768.45	
34 41 13 00-0132	EA	Sign, Message, "BLANK OUT", Bracket Mounted	5,033.39	
34 41 13 00-0133	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	5,350.69	
34 41 13 00-0134	EA	Sign, Fiber Optic, Bracket Mounted	5,736.35	
34 41 13 00-0135	EA	Sign, Fiber Optic, Mast Arm Mounted	6,060.29	
34 41 13 00-0136	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	8,613.49	
34 41 13 00-0137	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	10,027.24	
34 41 13 00-0138	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	4,815.94	
34 41 13 00-0139	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	5,361.79	
34 41 13 00-0140	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	5,571.03	
34 41 13 00-0141	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,571.03	
34 41 13 00-0142	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,680.88	
34 41 13 00-0143	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,230.16	
34 41 13 00-0144	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,356.47	
34 41 13 00-0145	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	6,615.46	
34 41 13 00-0146	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	7,023.36	
34 41 13 00-0147	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	5,137.05	
34 41 13 00-0148	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	9,186.63	
34 41 13 00-0149	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	10,332.91	
34 41 13 00-0150	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	10,772.32	
34 41 13 00-0151	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	10,772.32	
34 41 13 00-0152	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	12,156.45	
34 41 13 00-0153	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	12,687.06	
34 41 13 00-0154	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	13,244.15	
34 41 13 00-0155	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	14,121.62	
34 41 13 00-0156	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	10,680.96	
34 41 13 00-0157	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	12,018.29	
34 41 13 00-0158	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	12,530.95	
34 41 13 00-0159	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	12,530.95	
34 41 13 00-0160	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,145.76	
34 41 13 00-0161	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,764.79	
34 41 13 00-0162	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	15,414.75	
34 41 13 00-0163	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	16,438.44	
34 41 13 00-0164	EA	15' Steel Straight Mast Arm, MONOTUBE	3,481.09	
34 41 13 00-0165	EA	20' Steel Straight Mast Arm, MONOTUBE	3,654.41	
34 41 13 00-0166	EA	25' Steel Straight Mast Arm, MONOTUBE	3,916.09	
34 41 13 00-0167	EA	30' Steel Straight Mast Arm, MONOTUBE	5,311.49	
34 41 13 00-0168	EA	35' Steel Straight Mast Arm, MONOTUBE	6,406.34	
34 41 13 00-0169	EA	40' Steel Straight Mast Arm, MONOTUBE	6,881.05	
34 41 13 00-0170	EA	45' Steel Straight Mast Arm, MONOTUBE	7,561.74	
34 41 13 00-0171	EA	50' Steel Straight Mast Arm, MONOTUBE	8,584.31	
34 41 13 00-0172	EA	55' Steel Straight Mast Arm, MONOTUBE	9,765.76	
34 41 13 00-0173	EA	60' Steel Straight Mast Arm, MONOTUBE	10,529.38	
34 41 13 00-0174	EA	65' Steel Straight Mast Arm, MONOTUBE	12,220.73	
34 41 13 00-0175	EA	4' Steel Curved Luminaire Mast Arm	1,187.55	
		For High Rise Arm, Add	*102.07*	
		For High Rise Straight Arm, Add	*81.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0176	EA	6' Steel Curved Luminaire Mast Arm	1,545.47	
		For High Rise Arm, Add	*136.46*	
		For High Rise Straight Arm, Add	*109.17*	
34 41 13 00-0177	EA	8' Steel Curved Luminaire Mast Arm	1,933.66	
		For High Rise Arm, Add	*170.85*	
		For High Rise Straight Arm, Add	*136.68*	
34 41 13 00-0178	EA	10' Steel Curved Luminaire Mast Arm	2,636.84	
		For High Rise Arm, Add	*200.87*	
		For High Rise Straight Arm, Add	*160.70*	
34 41 13 00-0179	EA	12' Steel Curved Luminaire Mast Arm	2,918.88	
		For High Rise Arm, Add	*236.90*	
		For High Rise Straight Arm, Add	*189.52*	
34 41 13 00-0180	EA	15' Steel Curved Luminaire Mast Arm	3,058.97	
		For High Rise Arm, Add	*264.19*	
		For High Rise Straight Arm, Add	*211.35*	
34 41 13 00-0181	EA	20' Steel Curved Luminaire Mast Arm	3,483.37	
		For High Rise Arm, Add	*315.50*	
34 41 13 00-0182	EA	15' Tubular Aluminum Post	1,251.92	
34 41 13 00-0183	EA	17' Tubular Aluminum Post	1,331.92	
34 41 13 00-0184	EA	20' Tubular Aluminum Post	1,479.46	
34 41 13 00-0185	EA	CUT-OFF POLE AND CAPPED	212.23	
34 41 13 00-0186	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	63.77	
34 41 13 00-0187	EA	PAINT EXISTING TS POST COMPLETE	300.78	
34 41 13 00-0188	EA	1 Channel Loop Detector Amplifier	1,941.89	
34 41 13 00-0189	EA	4 Channel Loop Detector Amplifier	3,679.62	
34 41 13 00-0190	EA	FLASHING BEACON WITH DOWNLIGHT	2,703.33	
34 41 13 00-0191	EA	Flashing Beacon, Bracket Mounted	902.37	
34 41 13 00-0192	EA	Flashing Beacon, Mast Arm Mounted	902.37	
34 41 13 00-0193	EA	Flashing Beacon, Solar Powered, Bracket Mounted	24,298.83	
34 41 13 00-0194	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,394.13	
34 41 13 00-0195	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,361.96	
34 41 13 00-0196	EA	Smart Sensor HD (Wavetronix HD125)	12,550.89	
34 41 13 00-0197	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,806.13	
34 41 13 00-0198	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	10,041.77	
34 41 13 00-0199	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	358.36	
34 41 13 00-0200	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,660.25	
34 41 13 00-0201	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	1,193.73	
34 41 13 00-0202	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,985.35	
34 41 13 00-0203	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	7,891.06	1.98
34 41 13 00-0204	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 And 26-4-80 Poles	10,320.69	1.98
34 41 13 00-0205	EA	Pole Base Foundation for Type 15 and 21 Poles	6,162.71	1.98
34 41 13 00-0206	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,891.06	1.98
34 41 13 00-0207	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	10,320.69	1.98
34 41 13 00-0208	EA	Service Equipment Enclosure, Type III-AF	1,550.87	
34 41 13 00-0209	EA	12", 3 Section Signal, Mast Arm Mounted	1,830.48	
34 41 13 00-0210	EA	8", 3 Section Signal, Mast Arm Mounted	1,632.83	
34 41 13 00-0211	EA	12" FCV Visor	110.77	
34 41 13 00-0212	EA	8" FCV Visor	78.66	
34 41 13 00-0213	EA	Eggcrate Visor	106.79	
34 41 13 00-0214	EA	Pedestrian H/M	1,208.17	
34 41 13 00-0215	EA	Pedestrian Audio	1,326.45	
34 41 13 00-0216	EA	Adjustable Pushbutton	328.56	
34 41 13 00-0217	EA	ADA Cap And Switch	416.93	
34 41 13 00-0218	EA	3 Section 12" Backplate	179.51	
34 41 13 00-0219	EA	3 Section 12" MAS Mount Backplate	264.50	
34 41 13 00-0220	EA	3 Section 8" Backplate	144.71	
34 41 13 00-0221	EA	12" Red LED Lenses	304.87	
34 41 13 00-0222	EA	12" Amber LED Lenses	326.96	
34 41 13 00-0223	EA	12" Green LED Lenses	569.34	
34 41 13 00-0224	EA	12" Red Arrow	303.09	
34 41 13 00-0225	EA	12" Amber Arrow	286.91	
34 41 13 00-0226	EA	12" Green Arrow	428.68	
34 41 13 00-0227	EA	8" Red	299.82	
34 41 13 00-0228	EA	8" Amber	287.86	
34 41 13 00-0229	EA	8" Green	346.83	
34 41 13 00-0230	EA	Hand/Man	523.52	
34 41 13 00-0231	EA	Frameworks, 8" TV-1-T	638.23	
34 41 13 00-0232	EA	Frameworks, 8" TV-2-T	724.06	
34 41 13 00-0233	EA	Frameworks, MAT MT	190.64	
34 41 13 00-0234	EA	Frameworks, MAS MT	207.80	
34 41 13 00-0235	EA	Frameworks, 3W PT TC	441.58	
34 41 13 00-0236	EA	Frameworks, 2W PT TC	416.88	
34 41 13 00-0237	EA	Frameworks, 2W SM TC	393.99	
34 41 13 00-0238	EA	Frameworks, SV-1	261.64	
34 41 13 00-0239	EA	Frameworks, TV-1	253.06	
34 41 13 00-0240	EA	Type III Service Pedestal	5,005.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0241	EA	Single Fuse Holder	48.06	
34 41 13 00-0242	EA	Double Fuse Holder	120.12	
34 41 13 00-0243	EA	Pullbox, 1-1/2" x 20" x 14"	110.38	
34 41 13 00-0244	EA	Pullbox, 5" x 28" x 18"	149.46	
34 41 13 00-0245	EA	Pullbox, 6" x 36" x 23"	194.57	
34 41 13 00-0246	EA	Pullbox Lids, FL9D	119.33	
34 41 13 00-0247	EA	Pullbox Lids, FL30D	222.47	
34 41 13 00-0248	EA	Pullbox Lids, FL36D	66.29	
34 41 13 00-0249	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	2,108.55	123.80
34 41 13 00-0250	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	6,082.13	742.80
34 41 13 00-0251	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	21,365.87	495.20
34 41 13 00-0252	EA	Power Control Unit With Enclosure (A/C)	13,705.20	495.20
34 41 13 00-0253	EA	Push Button Assembly With Sign	1,210.41	247.60
34 41 13 00-0254	EA	Advanced Warning Signs	2,386.53	247.60
34 41 13 00-0255	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	4,270.09	
34 41 13 00-0256	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	6,526.27	
34 41 13 00-0257	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	6,781.00	
34 41 13 00-0258	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	9,180.94	
34 41 13 00-0259	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	9,728.59	
34 41 13 00-0260	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,590.61	
34 41 13 00-0261	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	6,761.17	
34 41 13 00-0262	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	5,506.63	
34 41 13 00-0263	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	27,097.20	
34 41 13 00-0264	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	31,283.21	

34 41 13 00-0265 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0266	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.55	1.05
34 41 13 00-0267	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.89	1.14
34 41 13 00-0268	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.21	1.21
34 41 13 00-0269	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.53	1.28
34 41 13 00-0270	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.91	1.36
34 41 13 00-0271	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.59	1.51
34 41 13 00-0272	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.42	1.74
34 41 13 00-0273	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.24	1.96
34 41 13 00-0274	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.46	2.19
34 41 13 00-0275	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.94	2.41
34 41 13 00-0276	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.66	1.05
34 41 13 00-0277	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.04	1.14
34 41 13 00-0278	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.41	1.21
34 41 13 00-0279	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.77	1.28
34 41 13 00-0280	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.21	1.36
34 41 13 00-0281	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.98	1.51
34 41 13 00-0282	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.90	1.74
34 41 13 00-0283	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.82	1.96
34 41 13 00-0284	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	8.23	2.19
34 41 13 00-0285	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.96	2.41
34 41 13 00-0286	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.92	1.05
34 41 13 00-0287	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.42	1.14
34 41 13 00-0288	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.89	1.21
34 41 13 00-0289	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	4.34	1.28
34 41 13 00-0290	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.93	1.36
34 41 13 00-0291	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.92	1.51
34 41 13 00-0292	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	7.06	1.74
34 41 13 00-0293	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	8.20	1.96
34 41 13 00-0294	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	10.08	2.19
34 41 13 00-0295	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	12.43	2.41

34 41 13 00-0296 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0297	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,405.05	227.57
34 41 13 00-0298	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,450.78	227.57
34 41 13 00-0299	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,227.29	227.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0300	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,373.65	227.57
34 41 13 00-0301	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,555.01	227.57
34 41 13 00-0302	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	14,128.59	227.57

34 41 13 00-0303 Traffic Light Control Synchronization *(34 41 13)*

34 41 13 00-0304	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	5,565.22	
34 41 13 00-0305	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	4,151.29	
34 41 13 00-0306	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	9,509.04	
34 41 13 00-0307	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,498.48	
34 41 13 00-0308	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,498.48	
34 41 13 00-0309	EA	Solar Cabinet Assembly	17,524.29	
34 41 13 00-0310	EA	Data Controller Interface Cable Assembly	692.51	
34 41 13 00-0311	EA	900 MHZ Splitter	821.34	
34 41 13 00-0312	EA	900 MHz Surge Suppressor	296.13	
34 41 13 00-0313	EA	Surge-Radio Lead in Cable	186.34	
34 41 13 00-0314	EA	12DB GAIN YAGI Antenna	836.83	
34 41 13 00-0315	EA	PELCO Antenna Mounting Bracket	557.80	
34 41 13 00-0316	MLF	Coaxial Cable, LMR-400	4,514.38	
34 41 13 00-0317	EA	Perle 16 Port Serial Server	4,700.55	
34 41 13 00-0318	EA	Serial to Ethernet Card	2,503.55	
34 41 13 00-0319	EA	404 Stand-Alone Modem (GDI 404)	2,280.11	

34 41 13 00-0320 Traffic Signal Controls *(34 41 13)*

34 41 13 00-0321	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,975.03	
34 41 13 00-0322	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	823.69	
34 41 13 00-0323	EA	Access Box for contract closure master card (CC-ACC)	290.41	
34 41 13 00-0324	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	1,118.48	
34 41 13 00-0325	EA	Flush Mount Wireless Sensor (Speed And Count VSN240-F)	1,118.48	
34 41 13 00-0326	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	172.40	
34 41 13 00-0327	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	474.22	

34 41 13 00-0328 Traffic Signal Devices *(34 41 13)*

34 41 13 00-0329	EA	12" Polycarbonate Signal Head Housing (McCain)	1,046.88	111.42
34 41 13 00-0330	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	533.84	86.66
34 41 13 00-0331	EA	Pedestrian Push Button Cap And Switch (McCain M31334)	404.28	160.94
34 41 13 00-0332	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	552.84	235.22
34 41 13 00-0333	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	424.96	185.70
34 41 13 00-0334	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	1,572.11	80.47
34 41 13 00-0335	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	323.53	30.95
34 41 13 00-0336	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	3,558.22	136.18
34 41 13 00-0337	EA	Camera processor card (Iteris Edge Connect)	8,121.54	198.09
34 41 13 00-0338	EA	Wireless Broadband Radio (Encom BB58)	7,669.30	185.70
34 41 13 00-0339	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	5,066.25	148.56
34 41 13 00-0340	EA	Power Adapter (Mean Well DR-120-48)	178.57	46.43
34 41 13 00-0341	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	1.05	
34 41 13 00-0342	EA	Radar Detection System (Wavetronix Matrix)	14,705.40	470.44
34 41 13 00-0343	EA	Pedestrian Audio Push Button (Polara APS)	440.78	117.61
34 41 13 00-0344	EA	Opticom Infrared System - Detector (GTT 711)	1,139.66	110.43
34 41 13 00-0345	EA	Opticom Infrared System - Detector (GTT 721)	1,275.09	123.55
34 41 13 00-0346	EA	Opticom Infrared System - Detector (GTT 722)	1,775.93	172.09
34 41 13 00-0347	EA	Opticom Multimode Phase Selector (GTT 764)	5,871.00	101.83
34 41 13 00-0348	LF	Opticom GPS Installation Cable (GTT 1070)	1.26	
34 41 13 00-0349	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	980.79	
34 41 13 00-0350	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	1,040.28	
34 41 13 00-0351	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	1,593.91	67.74
34 41 13 00-0352	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	502.74	55.71
34 41 13 00-0353	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	11.25	0.57
34 41 13 00-0354	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.73	0.49
34 41 13 00-0355	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	150.53	55.71
34 41 13 00-0356	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	150.53	55.71
34 41 13 00-0357	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	150.53	55.71
34 41 13 00-0358	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	150.53	55.71
34 41 13 00-0359	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	150.53	55.71
34 41 13 00-0360	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	150.53	55.71
34 41 13 00-0361	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	443.71	142.37
34 41 13 00-0362	EA	EOC Switch (Actellis ML688)	5,835.42	440.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0363	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,571.50	101.61
34 41 13 00-0364	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	125.66	26.22
34 41 13 00-0365	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	450.57	37.95
34 41 13 00-0366	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	156.38	26.22
34 41 13 00-0367	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	545.65	37.95
34 41 13 00-0368	EA	Battery Back-up (Alpha FXM110 UPS)	3,775.49	135.48
34 41 13 00-0369	EA	Battery (Alpha AlphaCell 220GXL)	535.00	33.87
34 41 13 00-0370	EA	BBS Cabinet (Alpha SE48-1616)	4,347.81	304.82
34 41 13 00-0371	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	6.70	2.64
34 41 13 00-0372	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.96	1.22
34 41 13 00-0373	EA	FDU And Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	1,351.00	101.61
34 41 13 00-0374	EA	12" THREE SECTION HOUSING (McCain M22435)	929.84	67.74
34 41 13 00-0375	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,196.16	101.61
34 41 13 00-0376	EA	12" FIVE SECTION HOUSING (McCain M31769)	1,394.75	101.61
34 41 13 00-0377	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,494.05	101.61
34 41 13 00-0378	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	929.84	67.74
34 41 13 00-0379	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	929.84	67.74
34 41 13 00-0380	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	5,438.93	237.08
34 41 13 00-0381	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	266.33	33.87
34 41 13 00-0382	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	266.33	33.87
34 41 13 00-0383	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	598.09	50.80
34 41 13 00-0384	EA	12" Visor (McCain M19302)	46.96	13.55
34 41 13 00-0385	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	498.79	50.80
34 41 13 00-0386	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	830.54	67.74
34 41 13 00-0387	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,543.69	101.61
34 41 13 00-0388	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	830.54	67.74
34 41 13 00-0389	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	167.04	33.87
34 41 13 00-0390	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	498.79	50.80
34 41 13 00-0391	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	929.84	67.74
34 41 13 00-0392	EA	242L ISOLATOR, EDI (McCain M56812)	167.04	33.87
34 41 13 00-0393	EA	EDI 222 DETECTOR (McCain M11407)	216.68	33.87
34 41 13 00-0394	EA	ALPHA BBS, INVERTER AND BYPASS SWITCH (McCain M59763)	3,714.72	169.34
34 41 13 00-0395	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	612.10	67.74
34 41 13 00-0396	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	830.54	67.74
34 41 13 00-0397	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	1,742.28	101.61

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	12,007.33	1,046.21
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	12,127.85	1,106.45
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	14,837.30	1,119.47
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	17,631.04	1,359.23
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,605.22	670.53
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	16,195.23	734.10
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	26,689.56	1,154.13
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	28,394.91	1,279.01
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	40,721.47	1,437.93
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	32,200.41	1,362.26
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	920.28	159.99
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	849.18	240.21
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	376.37	188.18
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	675.80	316.80
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	13,583.02	423.76
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	32,930.86	635.84
34 41 16 00-0018	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,135.18	17.65
34 41 16 00-0019	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	644.89	17.65

34 41 16 00-0020 Transportation Cabinets *(34 41 16)*

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0022	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,980.53	203.21
34 41 16 00-0023	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,736.14	203.21
34 41 16 00-0024	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,785.86	203.21
34 41 16 00-0025	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,980.53	203.21
34 41 16 00-0026	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	13,168.76	203.21
34 41 16 00-0027	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,920.61	203.21

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0029	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	7,274.93	237.08

34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) *(34 41 16 00-0020)*

34 41 16 00-0031	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,810.63	203.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0032	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,505.55	216.76
34 41 16 00-0033		**Transportation Cabinets (McCain)** *(34 41 16 00-0020)*		
34 41 16 00-0034	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	13,273.58	237.08
34 41 16 00-0035	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	13,273.58	237.08
34 41 16 00-0036	EA	ATC ColdFire Controller (McCain 170)	6,797.56	
34 41 16 00-0037		**Traffic Control Equipment** *(34 41 16)*		
34 41 16 00-0038	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	337.61	67.74
34 41 16 00-0039	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	447.13	67.74
34 41 16 00-0040	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	516.70	67.74
34 41 16 00-0041	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	398.43	67.74
34 41 16 00-0042	MLF	10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	3,130.19	742.80
34 41 16 00-0043	EA	Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	134.52	33.87
34 41 16 00-0044	EA	Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	619.20	75.85
34 41 16 00-0045	EA	Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,260.03	227.57
34 41 16 00-0046	EA	Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	590.87	33.87
34 41 16 00-0047	EA	Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	846.88	33.87
34 41 16 00-0048	EA	4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	970.27	67.74
34 41 16 00-0049	EA	Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005)	4,276.04	67.74
34 41 16 00-0050	EA	50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	455.14	227.57
34 41 16 00-0051	EA	60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	614.65	56.89
34 41 16 00-0052	EA	900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	530.16	75.85
34 41 16 00-0053	EA	900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	329.81	75.85
34 41 16 00-0054	EA	Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	368.26	33.87
34 41 16 00-0055	EA	24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202)	446.18	33.87
34 41 16 00-0056	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	201.31	33.87
34 41 16 00-0057	EA	Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200)	602.01	33.87
34 41 16 00-0058	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	679.92	33.87
34 41 16 00-0059	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	846.88	33.87
34 41 16 00-0060	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	67.74	33.87
34 41 16 00-0061	EA	Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	541.29	75.85
34 41 16 00-0062	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,686.72	742.80
34 41 16 00-0063	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	65.13	20.32
34 41 16 00-0064	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,102.68	81.29
34 41 16 00-0065	EA	Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco ld53hdpb-1)	1,069.05	101.61
34 41 16 00-0066	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	220.42	33.87
34 41 16 00-0067	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	162.44	33.87
34 41 16 00-0068	EA	24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	574.53	33.87
34 41 16 00-0069	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	236.81	33.87
34 41 16 00-0070	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	93.07	33.87
34 41 16 00-0071	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	803.31	67.74
34 41 16 00-0072	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	803.31	67.74
34 41 16 00-0073	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,526.80	67.74
34 41 16 00-0074	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,526.80	67.74
34 41 16 00-0075	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Distribution Board.	513.92	67.74
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	736.53	67.74
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	736.53	67.74
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Distribution board.	602.96	67.74
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	10,559.38	270.95
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Distribution Board, providing power redundancy.	446.18	33.87
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	842.99	54.19
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	742.82	54.19
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	831.86	54.19
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	497.95	54.19
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,526.80	67.74
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,916.36	67.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,693.75	67.74
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,361.58	67.74
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,916.36	67.74
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,916.36	67.74
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.92	67.74
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.92	67.74
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.92	67.74
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.92	67.74
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,526.80	67.74
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,526.80	67.74
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,526.80	67.74
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	525.05	67.74
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	614.09	67.74
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,805.06	67.74
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,805.06	67.74
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	692.01	67.74
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	281.64	40.64
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	582.16	40.64
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	582.16	40.64
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	860.43	40.64
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,460.01	67.74
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,972.02	67.74
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R)	1,304.19	67.74
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	858.96	67.74
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075)	324.70	67.74
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	10,559.38	270.95
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	736.53	67.74
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053)	123.39	33.87
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792)	156.78	33.87
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	970.27	67.74
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	970.27	67.74
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	1,263.39	67.89
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	1,263.39	67.89
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	6,816.12	67.89
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	1,631.03	67.89
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261)	223.72	33.87
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	780.22	67.89
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	2,028.99	67.89
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4)	303.56	67.74
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B)	646.54	67.74
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	309.36	16.97
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B)	3,912.51	135.48
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1)	244.24	33.87
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,548.90	67.74
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM)	8,351.28	335.30
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	1,119.90	176.12
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	27.89	10.84
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS)	2,900.46	135.48
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	61.68	10.84
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	2,576.21	75.85
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	143.27	51.48
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	408.03	67.74
34 41 16 00-0139	EA	Single AC Inlet, 8 NEMA 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	723.97	17.65
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT H)	780.21	17.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	414.78	27.10
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	5,002.65	162.57
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	185.65	31.16
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	47.26	6.77
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,574.81	67.74
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,434.96	135.48
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	3,675.43	223.54
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	870.56	387.47
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	606.78	270.95
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	124.53	36.58
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	94.19	24.38
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	74.07	24.38
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	74.07	24.38
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	303.56	67.74
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	343.47	33.94
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	3,193.55	33.94
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	623.23	17.65
34 41 16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version)	12,828.10	227.57
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	491.22	75.85

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Concrete Median Barrier *(34 71 13 13)*

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	73.06	4.70
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	123.71	4.70
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	176.40	4.70
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	54.74	7.72
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	42.98	3.85

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	607.92	55.35

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Mobilize Guide Rail Crew *(34 71 13 26)*

34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	1,406.77	

34 71 13 26-0003 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0004 Corrugated Beam Guide Railing *(34 71 13 26-0003)*

34 71 13 26-0005 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing	38.76	2.52
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	45.98	2.52

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	52.05	2.52
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	62.01	2.52
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	140.52	2.52
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	161.25	2.52

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	267.24	33.16
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	285.33	33.16
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	375.74	33.16
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	393.83	33.16
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	375.74	33.16
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	393.83	33.16
34 71 13 26-0020		**Corrugated Beam Guide Rail End Terminal Systems** *(34 71 13 26-0003)*		
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B And C	10,667.89	202.37
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	8,859.53	202.37
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	10,667.89	202.37
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	1,483.47	95.40
34 71 13 26-0025	EA	Terminal Support System, Type SFT	1,056.47	255.08
34 71 13 26-0026	EA	Terminal Support System, Type ET	5,202.50	721.92
34 71 13 26-0027	EA	Terminal Support System, Type SRT	5,648.32	721.92
34 71 13 26-0028		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware.		
34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail	313.66	18.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	331.74	18.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0031	EA	Extra Long Post For Corrugated Beam Guide Rail	349.82	18.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	367.91	18.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	313.66	18.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	458.33	18.24
		For Installation In Rock, Add	*4.86*	
34 71 13 26-0035		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	313.66	18.24
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	331.74	18.24
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	349.82	18.24
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	367.91	18.24
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0040	EA	Type A Post 1630mm Post	304.62	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic)	322.70	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type B Post 1460mm	286.53	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic)	304.62	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044	EA	Type C Post 1290mm	268.45	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic)	286.53	18.24
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,220.73	18.24
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	114.74	18.24
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	231.08	37.68
34 71 13 26-0050		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	14.73	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail	50.24	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post	8.54	
34 71 13 26-0054		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0055		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing	96.54	3.17
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic)	102.06	3.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0058		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing	118.59	3.17
34 71 13 26-0060	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	124.10	3.17
34 71 13 26-0061		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0054)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0062	EA	Standard Post For Corrugated Thrie Beam Guide Rail	402.06	3.17
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0063	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	420.14	3.17
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0064		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065		**Timber Guide Rail Posts** *(34 71 13 26-0064)*		
34 71 13 26-0066	EA	6" x 8" Timber Guide Rail Post	121.34	12.56
34 71 13 26-0067	EA	6" x 9" Timber Guide Rail Post	138.75	12.56
34 71 13 26-0068	EA	10" x 10" Timber Guide Rail Post	275.19	12.56
34 71 13 26-0069	EA	10" x 12" Timber Guide Rail Post	291.46	12.56
34 71 13 26-0070	EA	12" x 12" Timber Guide Rail Post	337.85	12.56
34 71 13 26-0071		**Timber Guide Rails** *(34 71 13 26-0064)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF	4" x 9" Timber Guide Rail	15.07	1.51
34 71 13 26-0073	LF	6" x 10" Timber Guide Rail	21.34	1.51
34 71 13 26-0074	LF	6" x 12" Timber Guide Rail	25.01	1.51
34 71 13 26-0075		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0076	EA	4" x 9" Spacer Block For Timber Guide Rails	19.61	2.01
34 71 13 26-0077	EA	6" x 8" Spacer Block For Timber Guide Rails	22.62	2.01
34 71 13 26-0078	EA	8" x 8" Spacer Block For Timber Guide Rails	26.45	2.01
34 71 13 26-0079		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0080	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	27.62	1.25
34 71 13 26-0081		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0082	EA	Weathering Steel Splice Plate For Timber Guide Rails	190.27	17.58
34 71 13 26-0083	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	119.02	12.56
34 71 13 26-0084		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0085		**Cable Guide Rail** *(34 71 13 26-0084)*		
34 71 13 26-0086	LF	Cable (Each Cable)	19.05	2.72
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087	EA	Cable Splice With Wedges	567.63	18.84
34 71 13 26-0088		**Cable Guide Rail Posts** *(34 71 13 26-0084)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA	Standard Post for Cable Guide Rail	352.31	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0090	EA	Standard Post (Rustic) for Cable Guide Rail	370.40	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0091	EA	Extra Long Post for Cable Guide Rail	370.40	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0092	EA	Extra Long Post (Rustic) for Cable Guide Rail	388.48	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0093	EA	Slip Impact Post Top for Anchor Unit	249.42	24.32
34 71 13 26-0094	EA	Slip Impact Post Base and Keeper Plate	701.51	24.32
		Note: For anchor unit.		
34 71 13 26-0095		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0084)*		
34 71 13 26-0096	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	950.45	251.71
34 71 13 26-0097	EA	Turnbuckle Cable End Assembly	378.45	12.58
34 71 13 26-0098	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,274.19	6.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0099	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,310.36	6.25
34 71 13 26-0100	EA	Breakaway Anchor Angle	486.95	12.58
34 71 13 26-0101	EA	Standard End Post Cap Assembly	225.34	6.25
34 71 13 26-0102	EA	Driveway End Post Cap Assembly	189.18	6.25
34 71 13 26-0103	EA	End Post Ground Support Plates	98.76	6.25
34 71 13 26-0104	EA	11" Stud Bolt, Cable Guide Rail	85.20	6.25
34 71 13 26-0105	EA	18" Stud Bolt, Cable Guide Rail	103.28	6.25
34 71 13 26-0106	EA	25" Stud Bolt, Cable Guide Rail	121.36	6.25
34 71 13 26-0107	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	1,101.80	12.58
34 71 13 26-0108	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,174.13	12.58
34 71 13 26-0109	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	776.29	12.58
34 71 13 26-0110	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	478.51	6.25
34 71 13 26-0111	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	486.95	12.58
34 71 13 26-0112	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	513.38	18.84
34 71 13 26-0113		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0084)*		
34 71 13 26-0114	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	877.00	20.31
34 71 13 26-0115	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	1,745.01	20.31
34 71 13 26-0116	EA	Anchor Angle For Slip Impact Post System	497.24	20.31
34 71 13 26-0117	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	406.83	20.31
34 71 13 26-0118		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0084)* Note: Includes associated hardware.		
34 71 13 26-0119	LF	Retention Existing Cable (Each Cable)	1.67	
34 71 13 26-0120	LF	Removal And Storage Of Cable Guide Railing	10.12	
34 71 13 26-0121	EA	Install Stored Post For Cable Guide Railing	81.06	
34 71 13 26-0122	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.47	
34 71 13 26-0123		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0124		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0123)*		
34 71 13 26-0125		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0126	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	117.21	3.17
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0127	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	133.75	3.17
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0128	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	139.85	3.17
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0129		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0130	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	180.60	3.17
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0131	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	197.14	3.17
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0132	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	215.80	3.17
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0133		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0123)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0134	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,858.60	37.68
34 71 13 26-0135	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	2,057.52	37.68
34 71 13 26-0136	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,750.10	37.68
34 71 13 26-0137	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,822.43	37.68
34 71 13 26-0138	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	52,567.32	1,004.83
34 71 13 26-0139		**Splices For Box Beam Guide Rail** *(34 71 13 26-0123)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0140	EA	Splice For Box Beam Guide Rail	383.12	55.94
34 71 13 26-0141	EA	Splice For Box Beam Guide Rail (Rustic)	509.71	55.94
34 71 13 26-0142		**Box Beam Guide Rail Posts** *(34 71 13 26-0123)*		
		Note: Includes hardware for box beam mounting.		
34 71 13 26-0143	EA	Standard Post For Box Beam Guide Rail	370.40	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Guide Railing	388.48	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0145	EA	Extra Long Post For Box Beam Guide Rail	406.56	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0146	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	424.65	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0147	EA	Type I End Assembly Post	352.31	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0148	EA	Type I End Assembly Post (Rustic)	370.40	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0149	EA	Type II End Assembly Post	334.23	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0150	EA	Type II End Assembly Post (Rustic)	352.31	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0151		**Box Beam Guide Rail Accessories** *(34 71 13 26-0123)*		
34 71 13 26-0152	EA	Box Beam Guide Rail End Cover Plate	232.08	11.31
34 71 13 26-0153	EA	Box Beam Guide Rail End Cover Plate (Rustic)	250.17	11.31
34 71 13 26-0154		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0123)*		
		Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.96	
34 71 13 26-0156	LF	Reset Box Beam Guide Rail	14.49	
34 71 13 26-0157		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0158		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0157)*		
34 71 13 26-0159		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0158)*		
34 71 13 26-0160	LF	Box Beam Median Barrier Galvanized Excludes Splices	188.70	11.31
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0161	LF	Box Beam Median Barrier (Rustic) Excludes Splices	205.24	11.31
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0162		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0158)*		
34 71 13 26-0163	LF	Shop Curved Box Beam Median Barrier Galvanized	232.16	11.31
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0164	LF	Shop Curved Box Beam Median Barrier Rustic	286.43	11.31
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0165		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0157)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0166	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	6,180.58	37.68
		Note: Excludes splices and post.		
34 71 13 26-0167	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	6,325.25	37.68
		Note: Excludes splices and post.		
34 71 13 26-0168	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	6,180.58	37.68
		Note: Excludes splices and post.		
34 71 13 26-0169	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	6,325.25	37.68
		Note: Excludes splices and post.		
34 71 13 26-0170		**Splices For Box Beam Median Barrier** *(34 71 13 26-0157)*		
34 71 13 26-0171	EA	Splice for Box Beam Median Barrier	438.04	30.14
34 71 13 26-0172	EA	Splice for Box Beam Median Barrier (Rustic)	709.29	30.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0173		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0157)*		
		Note: Includes all associated hardware.		
34 71 13 26-0174	EA	Standard Post for Box Beam Median Barrier	370.40	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0175	EA	Standard Post (Rustic) for Box Beam Median Barrier	388.48	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0176	EA	Extra Long Post for Box Beam Median Barrier	406.56	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0177	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	424.65	60.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0178	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	334.23	60.79
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0179	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	334.23	60.79
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0180	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	406.56	60.79
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0181	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	424.65	60.79
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*16.21*	
34 71 13 26-0182		**Box Beam Median Barrier Accessories** *(34 71 13 26-0157)*		
34 71 13 26-0183	EA	Box Beam Median Barrier End Cover Plate	266.24	26.53
34 71 13 26-0184	EA	Box Beam Median Barrier End Cover Plate (Rustic)	284.33	26.53
34 71 13 26-0185		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0157)*		
		Note: For existing guide rail.		
34 71 13 26-0186	LF	Removal And Storage Of Box Beam Median Barrier and Posts	5.13	
34 71 13 26-0187	LF	Reset Box Beam Median Barrier	15.17	
34 71 13 26-0188		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0189		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0188)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0190	CY	Guide Rail Concrete Anchor Unit	869.50	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0191	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	576.22	
		Note: Includes excavation and backfill.		
34 71 13 26-0192	EA	Removal Of Guide Rail Concrete Anchor Unit	662.66	
34 71 13 26-0193		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0188)*		
		Note: Includes associated hardware.		
34 71 13 26-0194	EA	Straighten And Reset Driven Post For Guide Rail	81.06	
34 71 13 26-0195	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	107.10	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0196		**Additional Wood and Steel Posts** *(34 71 13 26-0188)*		
34 71 13 26-0197	LF	4" x 6" Wood Post	112.96	20.32
		For Installation In Rock, Add	*5.41*	
34 71 13 26-0198	LF	6" x 8" Wood Post	140.08	20.32
		For Installation In Rock, Add	*5.41*	
34 71 13 26-0199	LF	6" x 7/8" Galvanized Steel Post	78.30	20.32
		For Installation In Rock, Add	*5.41*	
34 71 13 26-0200	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	847.35	20.31
34 71 13 26-0201		**Accessories For All Types of Guide Rail** *(34 71 13 26-0188)*		
34 71 13 26-0202	EA	Reflector For Guard Rail	112.72	
34 71 13 26-0203		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0204	EA	6'-5" Concrete Guard Rail Posts, Round	95.73	7.70
34 71 13 26-0205	EA	6'-5" Concrete Posts, Square	107.08	8.66
34 71 13 26-0206	EA	6'-5" Concrete Posts, Triangular	104.27	8.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0207		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0208		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0207)*		
34 71 13 26-0209	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,420.63	
34 71 13 26-0210	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	697.28	
34 71 13 26-0211		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0207)*		
34 71 13 26-0212	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,456.79	
34 71 13 26-0213	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	697.28	
34 71 13 26-0214		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0207)*		
34 71 13 26-0215	EA	Box Beam to Cable Guide Rail U-bolt And Plate	214.40	20.10
34 71 13 26-0216		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0207)*		
34 71 13 26-0217	EA	Box Beam Median Barrier To Concrete Barrier End Connection	2,143.97	
34 71 13 26-0218		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0207)*		
34 71 13 26-0219	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,239.79	
34 71 13 26-0220	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,691.88	
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		**Guard Rail Energy Absorbing Terminals** *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. One Bay consists of one Cartridge, one Diaphragm, and two Fender Panels. The Nose section is not considered a Bay, though there is a Cartridge in the Nose of each system. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		**24" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	40,895.88	3,991.22
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	56,849.62	5,321.63
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	77,653.02	6,984.63
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	86,101.23	8,647.64
34 71 16 00-0007		**30" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	43,991.00	4,490.12
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	61,343.82	5,986.83
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	84,247.22	7,982.44
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	96,362.98	9,645.45
34 71 16 00-0012		**36" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	47,123.14	4,989.03
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	65,874.21	6,652.03
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	90,141.09	8,813.95
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	106,586.62	10,643.25
34 71 16 00-0017		**69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	51,007.53	5,487.93
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	70,697.84	7,317.23
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	97,206.23	9,645.45
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	114,389.04	11,641.06
34 71 16 00-0022		**90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	55,001.12	5,986.83
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	75,649.75	7,982.44
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	105,193.42	10,643.25
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	122,416.46	12,638.87
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	100.86	9.63
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	102.29	9.63
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	103.72	9.63
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	105.15	9.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 01 Operation and Maintenance of Waterway and Marine Construction *(35)*

35 01 70 Operation and Maintenance of Dams *(35 01)*

35 01 70 00-0001 Drilling And Pressure Grouting *(35 01 70)*

35 01 70 00-0002 From Top Of The Dam *(35 01 70 00-0001)*

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole	95.75
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole	116.32
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam	148.14
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam	674.23
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam	380.69
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam	54.76
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam	160.54
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam	208.20

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled *(35 01 70 00-0001)*

35 01 70 00-0012 From Top Of The Dam *(35 01 70 00-0011)*

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical	160.04
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined	175.61
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical	243.99
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined	273.40

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)	41.50
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)	82.96
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)	121.28
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	135.61

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy-Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	11,589.93	1,382.24
		For Electric Motor Operated Valve, Add	*1,985.53*	
35 22 26 00-0003	EA	24" x 24" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	16,604.69	2,073.44
		For Electric Motor Operated Valve, Add	*2,123.76*	
35 22 26 00-0004	EA	30" x 30" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	20,103.78	2,369.65
		For Electric Motor Operated Valve, Add	*2,183.00*	
35 22 26 00-0005	EA	36" x 36" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	22,921.35	2,591.80
		For Electric Motor Operated Valve, Add	*2,227.43*	
35 22 26 00-0006	EA	42" x 42" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	25,726.67	2,962.06
		For Electric Motor Operated Valve, Add	*2,301.48*	
35 22 26 00-0007	EA	48" x 48" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	36,063.44	4,739.30
		For Electric Motor Operated Valve, Add	*2,656.93*	
35 22 26 00-0008	EA	54" x 54" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	48,034.98	5,924.12
		For Electric Motor Operated Valve, Add	*2,893.89*	
35 22 26 00-0009	EA	60" x 60" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	56,073.32	7,849.46
		For Electric Motor Operated Valve, Add	*3,278.96*	
35 22 26 00-0010	EA	66" x 66" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	69,832.55	10,367.21
		For Electric Motor Operated Valve, Add	*3,782.51*	
35 22 26 00-0011	EA	72" x 72" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	73,364.33	11,848.24
		For Electric Motor Operated Valve, Add	*4,078.72*	
35 22 26 00-0012	EA	78" x 78" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	82,229.57	11,848.24
		For Electric Motor Operated Valve, Add	*4,820.57*	
35 22 26 00-0013	EA	84" x 84" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	95,356.00	13,329.27
		For Electric Motor Operated Valve, Add	*5,116.77*	
35 22 26 00-0014	EA	90" x 90" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	114,506.49	15,256.74
		For Electric Motor Operated Valve, Add	*5,502.27*	
35 22 26 00-0015	EA	96" x 96" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	129,052.35	15,983.25
		For Electric Motor Operated Valve, Add	*5,647.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0016	EA	108" x 108" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	159,910.65	18,889.30
		For Electric Motor Operated Valve, Add	*6,228.78*	
35 22 26 00-0017	EA	120" x 120" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	197,557.86	23,248.37
		For Electric Motor Operated Valve, Add	*7,100.59*	
35 22 26 00-0018	EA	132" x 132" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	241,008.22	26,154.42
		For Electric Motor Operated Valve, Add	*7,681.80*	

35 22 59 Hydraulic Closure Gates *(35 22)*

35 22 59 00-0001 Steel Slide Gates Self Contained *(35 22 59)*

Note: Includes anchors and bolts.

35 22 59 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,986.61	518.36
		For Electric Motor Operated Valve, Add	*1,812.74*	
35 22 59 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,312.55	592.41
		For Electric Motor Operated Valve, Add	*1,827.55*	
35 22 59 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,061.80	691.20
		For Electric Motor Operated Valve, Add	*1,847.30*	
35 22 59 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	7,325.09	829.38
		For Electric Motor Operated Valve, Add	*1,874.95*	
35 22 59 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	9,373.89	1,036.72
		For Electric Motor Operated Valve, Add	*1,916.41*	
35 22 59 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	10,988.21	1,382.24
		For Electric Motor Operated Valve, Add	*1,985.53*	
35 22 59 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	15,065.73	2,073.44
		For Electric Motor Operated Valve, Add	*2,123.76*	
35 22 59 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	22,867.03	2,591.80
		For Electric Motor Operated Valve, Add	*2,227.43*	
35 22 59 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	29,834.33	4,146.89
		For Electric Motor Operated Valve, Add	*2,538.45*	
35 22 59 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	38,032.22	6,911.52
		For Electric Motor Operated Valve, Add	*3,091.37*	
35 22 59 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	1,054.82	191.05
		For Electric Motor Operated Valve, Add	*4,161.71*	

35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

35 22 59 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	20,180.43	676.83
35 22 59 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	24,952.52	845.67
35 22 59 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	31,819.27	1,030.80
35 22 59 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	48,592.49	1,974.21
35 22 59 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	71,679.17	4,308.32
35 22 59 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	94,229.17	6,581.69
35 22 59 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	142,248.03	8,228.60
35 22 59 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,773.21	

35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

35 22 59 00-0023	EA	18" Diameter Aluminum Flap Gates	3,865.29	518.36
		For Electric Motor Operated Valve, Add	*1,812.74*	
35 22 59 00-0024	EA	20" Diameter Aluminum Flap Gates	4,301.03	555.38
		For Electric Motor Operated Valve, Add	*1,820.14*	
35 22 59 00-0025	EA	24" Diameter Aluminum Flap Gates	4,732.96	592.41
		For Electric Motor Operated Valve, Add	*1,827.55*	
35 22 59 00-0026	EA	30" Diameter Aluminum Flap Gates	6,411.47	691.20
		For Electric Motor Operated Valve, Add	*1,847.30*	
35 22 59 00-0027	EA	36" Diameter Aluminum Flap Gates	7,947.05	829.38
		For Electric Motor Operated Valve, Add	*1,874.95*	
35 22 59 00-0028	EA	42" Diameter Aluminum Flap Gates	11,242.42	1,036.72
		For Electric Motor Operated Valve, Add	*1,916.41*	
35 22 59 00-0029	EA	48" Diameter Aluminum Flap Gates	14,228.13	1,382.24
		For Electric Motor Operated Valve, Add	*1,985.53*	
35 22 59 00-0030	EA	54" Diameter Aluminum Flap Gates	18,420.85	2,073.44
		For Electric Motor Operated Valve, Add	*2,123.76*	
35 22 59 00-0031	EA	60" Diameter Aluminum Flap Gates	24,360.94	2,962.06
		For Electric Motor Operated Valve, Add	*2,301.48*	
35 22 59 00-0032	EA	66" Diameter Aluminum Flap Gates	31,517.50	4,146.89
		For Electric Motor Operated Valve, Add	*2,538.45*	
35 22 59 00-0033	EA	72" Diameter Aluminum Flap Gates	39,339.79	5,924.12
		For Electric Motor Operated Valve, Add	*2,893.89*	

35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

35 22 59 00-0035	EA	12" x 12" Stainless Steel Flap Gate	8,162.96	444.31
		For Electric Motor Operated Valve, Add	*1,797.93*	
35 22 59 00-0036	EA	18" x 18" Stainless Steel Flap Gate	10,455.84	518.36
		For Electric Motor Operated Valve, Add	*1,812.74*	
35 22 59 00-0037	EA	24" x 24" Stainless Steel Flap Gate	13,473.57	592.41
		For Electric Motor Operated Valve, Add	*1,827.55*	
35 22 59 00-0038	EA	30" x 30" Stainless Steel Flap Gate	17,537.59	691.64
		For Electric Motor Operated Valve, Add	*1,847.30*	
35 22 59 00-0039	EA	36" x 36" Stainless Steel Flap Gate	26,021.77	829.38
		For Electric Motor Operated Valve, Add	*1,874.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0040	EA	48" x 48" Stainless Steel Flap Gate	38,123.55	1,381.80
		For Electric Motor Operated Valve, Add	*1,985.53*	
35 22 59 00-0041	EA	60" x 60" Stainless Steel Flap Gate	58,441.25	2,962.06
		For Electric Motor Operated Valve, Add	*2,301.48*	
35 22 59 00-0042	EA	72" x 72" Stainless Steel Flap Gate	84,790.35	5,924.12
		For Electric Motor Operated Valve, Add	*2,893.89*	
35 22 59 00-0043	EA	84" x 84" Stainless Steel Flap Gate	122,034.27	11,848.24
		For Electric Motor Operated Valve, Add	*4,078.72*	

35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

35 22 59 00-0045	EA	12" x 12" Cast Iron Flap Gate	14,470.92	555.38
		For Electric Motor Operated Valve, Add	*1,820.15*	
35 22 59 00-0046	EA	18" x 18" Cast Iron Flap Gate	20,330.75	648.69
		For Electric Motor Operated Valve, Add	*1,838.66*	
35 22 59 00-0047	EA	24" x 24" Cast Iron Flap Gate	25,957.25	740.52
		For Electric Motor Operated Valve, Add	*1,857.17*	
35 22 59 00-0048	EA	30" x 30" Cast Iron Flap Gate	36,401.67	863.44
		For Electric Motor Operated Valve, Add	*1,881.86*	
35 22 59 00-0049	EA	36" x 36" Cast Iron Flap Gate	41,106.30	1,036.72
		For Electric Motor Operated Valve, Add	*1,916.41*	
35 22 59 00-0050	EA	48" x 48" Cast Iron Flap Gate	51,092.53	1,728.36
		For Electric Motor Operated Valve, Add	*2,054.65*	
35 22 59 00-0051	EA	60" x 60" Cast Iron Flap Gate	87,476.72	3,258.26
		For Electric Motor Operated Valve, Add	*2,360.72*	
35 22 59 00-0052	EA	72" x 72" Cast Iron Flap Gate	139,337.98	6,368.43
		For Electric Motor Operated Valve, Add	*2,982.76*	
35 22 59 00-0053	EA	84" x 84" Cast Iron Flap Gate	161,908.40	12,440.65
		For Electric Motor Operated Valve, Add	*4,197.20*	

35 22 59 00-0054 Steel Knife Gates Including Handwheel Operator *(35 22 59)*

Note: ANSI 150 PSI. for hub, flange, or spigot ends.

35 22 59 00-0055	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	2,046.87	195.80
		For Electric Motor Operated Valve, Add	*1,748.23*	
35 22 59 00-0056	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	2,743.75	228.38
		For Electric Motor Operated Valve, Add	*1,754.76*	
35 22 59 00-0057	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	3,860.79	342.64
		For Electric Motor Operated Valve, Add	*1,777.60*	
35 22 59 00-0058	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	4,829.74	456.90
		For Electric Motor Operated Valve, Add	*1,800.44*	
35 22 59 00-0059	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	5,901.24	489.48
		For Electric Motor Operated Valve, Add	*1,806.97*	
35 22 59 00-0060	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	7,614.39	527.10
		For Electric Motor Operated Valve, Add	*1,814.50*	
35 22 59 00-0061	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	10,087.21	548.22
		For Electric Motor Operated Valve, Add	*1,818.71*	
35 22 59 00-0062	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	12,597.66	623.04
		For Electric Motor Operated Valve, Add	*1,833.67*	
35 22 59 00-0063	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	16,124.29	685.27
		For Electric Motor Operated Valve, Add	*1,846.13*	
35 22 59 00-0064	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	29,270.13	913.66
		For Electric Motor Operated Valve, Add	*1,891.81*	
35 22 59 00-0065	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	38,978.59	1,370.55
		For Electric Motor Operated Valve, Add	*1,983.18*	

35 22 59 00-0066 Steel Hollow Jet Flow Gate Valve *(35 22 59)*

35 22 59 00-0067	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,899.05	207.34
		For Electric Motor Operated Valve, Add	*1,750.54*	
35 22 59 00-0068	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,927.19	242.15
		For Electric Motor Operated Valve, Add	*1,757.50*	
35 22 59 00-0069	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,527.04	362.86
		For Electric Motor Operated Valve, Add	*1,781.64*	
35 22 59 00-0070	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,500.12	483.56
		For Electric Motor Operated Valve, Add	*1,805.80*	
35 22 59 00-0071	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	6,738.57	518.36
		For Electric Motor Operated Valve, Add	*1,812.74*	
35 22 59 00-0072	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	8,116.65	558.35
		For Electric Motor Operated Valve, Add	*1,820.74*	
35 22 59 00-0073	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	13,583.67	580.57
		For Electric Motor Operated Valve, Add	*1,825.19*	
35 22 59 00-0074	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	17,072.31	659.80
		For Electric Motor Operated Valve, Add	*1,841.04*	
35 22 59 00-0075	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	24,516.42	725.70
		For Electric Motor Operated Valve, Add	*1,854.23*	
35 22 59 00-0076	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	30,045.04	967.85
		For Electric Motor Operated Valve, Add	*1,902.63*	
35 22 59 00-0077	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	42,886.50	1,451.41
		For Electric Motor Operated Valve, Add	*1,999.31*	
35 22 59 00-0078	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	51,119.99	1,777.24
		For Electric Motor Operated Valve, Add	*2,806.45*	
35 22 59 00-0079	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	60,612.97	2,073.44
		For Electric Motor Operated Valve, Add	*2,865.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0080	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	79,801.39	2,591.80
		For Electric Motor Operated Valve, Add	*2,969.28*	
35 22 59 00-0081	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	88,913.59	3,110.17
		For Electric Motor Operated Valve, Add	*3,073.20*	
35 22 59 00-0082	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	113,519.67	4,294.98
		For Electric Motor Operated Valve, Add	*3,310.56*	

35 22 59 00-0083 Steel Dish Head Valve *(35 22 59)*

35 22 59 00-0084	EA	12" Diameter Dish Head Valve	2,451.42	518.36
35 22 59 00-0085	EA	18" Diameter Dish Head Valve	3,513.07	592.41
35 22 59 00-0086	EA	20" Diameter Dish Head Valve	4,040.49	647.95
35 22 59 00-0087	EA	24" Diameter Dish Head Valve	4,749.38	691.20
35 22 59 00-0088	EA	30" Diameter Dish Head Valve	7,093.06	829.38
35 22 59 00-0089	EA	36" Diameter Dish Head Valve	8,744.96	1,036.72
35 22 59 00-0090	EA	42" Diameter Dish Head Valve	14,604.19	1,382.24
35 22 59 00-0091	EA	48" Diameter Dish Head Valve	19,160.42	2,073.44
35 22 59 00-0092	EA	54" Diameter Dish Head Valve	27,166.21	2,591.80
35 22 59 00-0093	EA	60" Diameter Dish Head Valve	35,084.25	4,146.89
35 22 59 00-0094	EA	66" Diameter Dish Head Valve	48,475.27	5,183.60
35 22 59 00-0095	EA	72" Diameter Dish Head Valve	59,155.88	6,911.52

35 22 63 Through-Levee Access Gates *(35 22)*

35 22 63 00-0001 Cast Iron Canal Gates *(35 22 63)*

35 22 63 00-0002	EA	12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,965.77	518.36
		For Electric Motor Operated Valve, Add	*1,812.74*	
35 22 63 00-0003	EA	18" Diameter Cast Iron Canal Gates With Fabricated Frame	4,359.56	592.41
		For Electric Motor Operated Valve, Add	*1,827.55*	
35 22 63 00-0004	EA	20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,991.68	647.95
		For Electric Motor Operated Valve, Add	*1,838.66*	
35 22 63 00-0005	EA	24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,973.57	691.20
		For Electric Motor Operated Valve, Add	*1,847.30*	
35 22 63 00-0006	EA	30" Diameter Cast Iron Canal Gates With Fabricated Frame	9,068.85	829.38
		For Electric Motor Operated Valve, Add	*1,874.95*	
35 22 63 00-0007	EA	36" Diameter Cast Iron Canal Gates With Fabricated Frame	11,170.56	1,036.72
		For Electric Motor Operated Valve, Add	*1,916.41*	
35 22 63 00-0008	EA	42" Diameter Cast Iron Canal Gates With Fabricated Frame	18,908.78	1,382.24
		For Electric Motor Operated Valve, Add	*1,985.53*	
35 22 63 00-0009	EA	48" Diameter Cast Iron Canal Gates With Fabricated Frame	24,618.98	2,073.44
		For Electric Motor Operated Valve, Add	*2,123.76*	
35 22 63 00-0010	EA	54" Diameter Cast Iron Canal Gates With Fabricated Frame	35,158.55	2,591.80
		For Electric Motor Operated Valve, Add	*2,227.43*	
35 22 63 00-0011	EA	60" Diameter Cast Iron Canal Gates With Fabricated Frame	44,824.62	4,146.89
		For Electric Motor Operated Valve, Add	*2,538.45*	
35 22 63 00-0012	EA	66" Diameter Cast Iron Canal Gates With Fabricated Frame	62,330.44	5,183.60
		For Electric Motor Operated Valve, Add	*2,745.79*	
35 22 63 00-0013	EA	72" Diameter Cast Iron Canal Gates With Fabricated Frame	73,663.13	5,924.12
		For Electric Motor Operated Valve, Add	*2,893.89*	

35 24 Dredging *(35 20)*

35 24 23 Clamshell Dredging *(35 24)*

35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0039 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

35 24 23 00-0002	EA	Dredge Excavation Mobilization And Demobilization	25,859.61	
		For Inlet Rivers And Canals, Deduct	*-6,464.90*	
35 24 23 00-0003	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	28.74	
35 24 23 00-0004	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	25.86	
35 24 23 00-0005	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	28.62	
35 24 23 00-0006	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	24.01	

35 24 26 Backhoe/Dipper Dredging *(35 24)*

35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	17.14	
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	11.38	

END OF SECTION 35

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,032.25	263.99
		For Class 52 Rating, Deduct	*-69.55*	
		For Class 54 Rating, Add	*99.64*	
		For Class 55 Rating, Add	*150.60*	
		For Class 56 Rating, Add	*200.92*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.89	268.60
		For Class 52 Rating, Deduct	*-76.99*	
		For Class 54 Rating, Add	*109.87*	
		For Class 55 Rating, Add	*165.85*	
		For Class 56 Rating, Add	*221.13*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.53	273.21
		For Class 52 Rating, Deduct	*-84.43*	
		For Class 54 Rating, Add	*120.10*	
		For Class 55 Rating, Add	*181.10*	
		For Class 56 Rating, Add	*241.34*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,256.18	277.83
		For Class 52 Rating, Deduct	*-91.87*	
		For Class 54 Rating, Add	*130.33*	
		For Class 55 Rating, Add	*196.36*	
		For Class 56 Rating, Add	*261.54*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.82	282.44
		For Class 52 Rating, Deduct	*-99.32*	
		For Class 54 Rating, Add	*140.57*	
		For Class 55 Rating, Add	*211.61*	
		For Class 56 Rating, Add	*281.75*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.46	287.06
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*150.80*	
		For Class 55 Rating, Add	*226.86*	
		For Class 56 Rating, Add	*301.96*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,480.11	291.68
		For Class 52 Rating, Deduct	*-114.20*	
		For Class 54 Rating, Add	*161.03*	
		For Class 55 Rating, Add	*242.12*	
		For Class 56 Rating, Add	*322.17*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.74	296.29
		For Class 52 Rating, Deduct	*-121.64*	
		For Class 54 Rating, Add	*171.26*	
		For Class 55 Rating, Add	*257.37*	
		For Class 56 Rating, Add	*342.38*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,629.38	300.91
		For Class 52 Rating, Deduct	*-129.08*	
		For Class 54 Rating, Add	*181.49*	
		For Class 55 Rating, Add	*272.63*	
		For Class 56 Rating, Add	*362.59*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,704.03	305.52
		For Class 52 Rating, Deduct	*-136.52*	
		For Class 54 Rating, Add	*191.72*	
		For Class 55 Rating, Add	*287.88*	
		For Class 56 Rating, Add	*382.80*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,778.67	310.13
		For Class 52 Rating, Deduct	*-143.96*	
		For Class 54 Rating, Add	*201.95*	
		For Class 55 Rating, Add	*303.13*	
		For Class 56 Rating, Add	*403.00*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,853.31	314.75
		For Class 52 Rating, Deduct	*-151.41*	
		For Class 54 Rating, Add	*212.19*	
		For Class 55 Rating, Add	*318.39*	
		For Class 56 Rating, Add	*423.21*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.96	319.36
		For Class 52 Rating, Deduct	*-158.85*	
		For Class 54 Rating, Add	*222.42*	
		For Class 55 Rating, Add	*333.64*	
		For Class 56 Rating, Add	*443.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,002.60	323.99
		For Class 52 Rating, Deduct	*-166.29*	
		For Class 54 Rating, Add	*232.65*	
		For Class 55 Rating, Add	*348.89*	
		For Class 56 Rating, Add	*463.63*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.24	328.60
		For Class 52 Rating, Deduct	*-173.73*	
		For Class 54 Rating, Add	*242.88*	
		For Class 55 Rating, Add	*364.15*	
		For Class 56 Rating, Add	*483.84*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,151.89	333.21
		For Class 52 Rating, Deduct	*-181.17*	
		For Class 54 Rating, Add	*253.11*	
		For Class 55 Rating, Add	*379.40*	
		For Class 56 Rating, Add	*504.05*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.53	337.83
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*263.34*	
		For Class 55 Rating, Add	*394.66*	
		For Class 56 Rating, Add	*524.25*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,301.17	342.44
		For Class 52 Rating, Deduct	*-196.06*	
		For Class 54 Rating, Add	*273.57*	
		For Class 55 Rating, Add	*409.91*	
		For Class 56 Rating, Add	*544.46*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.82	347.05
		For Class 52 Rating, Deduct	*-203.50*	
		For Class 54 Rating, Add	*283.81*	
		For Class 55 Rating, Add	*425.16*	
		For Class 56 Rating, Add	*564.67*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.45	351.67
		For Class 52 Rating, Deduct	*-210.94*	
		For Class 54 Rating, Add	*294.04*	
		For Class 55 Rating, Add	*440.42*	
		For Class 56 Rating, Add	*584.88*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,525.08	356.28
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*304.27*	
		For Class 55 Rating, Add	*455.67*	
		For Class 56 Rating, Add	*605.09*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.73	360.91
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*314.50*	
		For Class 55 Rating, Add	*470.92*	
		For Class 56 Rating, Add	*625.29*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.37	365.52
		For Class 52 Rating, Deduct	*-233.26*	
		For Class 54 Rating, Add	*324.73*	
		For Class 55 Rating, Add	*486.18*	
		For Class 56 Rating, Add	*645.50*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.01	370.13
		For Class 52 Rating, Deduct	*-240.70*	
		For Class 54 Rating, Add	*334.96*	
		For Class 55 Rating, Add	*501.43*	
		For Class 56 Rating, Add	*665.71*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,823.66	374.75
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*345.19*	
		For Class 55 Rating, Add	*516.68*	
		For Class 56 Rating, Add	*685.92*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.30	379.36
		For Class 52 Rating, Deduct	*-255.59*	
		For Class 54 Rating, Add	*355.42*	
		For Class 55 Rating, Add	*531.94*	
		For Class 56 Rating, Add	*706.13*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.94	383.98
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*365.66*	
		For Class 55 Rating, Add	*547.19*	
		For Class 56 Rating, Add	*726.34*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,047.59	388.59
		For Class 52 Rating, Deduct	*-270.47*	
		For Class 54 Rating, Add	*375.89*	
		For Class 55 Rating, Add	*562.45*	
		For Class 56 Rating, Add	*746.55*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.23	393.20
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*386.12*	
		For Class 55 Rating, Add	*577.70*	
		For Class 56 Rating, Add	*766.75*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,196.87	397.83
		For Class 52 Rating, Deduct	*-285.35*	
		For Class 54 Rating, Add	*396.35*	
		For Class 55 Rating, Add	*592.95*	
		For Class 56 Rating, Add	*786.96*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034		EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,271.52	402.44
			For Class 52 Rating, Deduct	*-292.79*	
			For Class 54 Rating, Add	*406.58*	
			For Class 55 Rating, Add	*608.21*	
			For Class 56 Rating, Add	*807.17*	
40 05 19 00-0035		EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.16	407.05
			For Class 52 Rating, Deduct	*-300.24*	
			For Class 54 Rating, Add	*416.81*	
			For Class 55 Rating, Add	*623.46*	
			For Class 56 Rating, Add	*827.38*	
40 05 19 00-0036		EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,420.79	411.67
			For Class 52 Rating, Deduct	*-307.68*	
			For Class 54 Rating, Add	*427.04*	
			For Class 55 Rating, Add	*638.71*	
			For Class 56 Rating, Add	*847.59*	
40 05 19 00-0037		EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.44	416.28
			For Class 52 Rating, Deduct	*-315.12*	
			For Class 54 Rating, Add	*437.28*	
			For Class 55 Rating, Add	*653.97*	
			For Class 56 Rating, Add	*867.80*	
40 05 19 00-0038		EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.08	420.90
			For Class 52 Rating, Deduct	*-322.56*	
			For Class 54 Rating, Add	*447.51*	
			For Class 55 Rating, Add	*669.22*	
			For Class 56 Rating, Add	*888.00*	
40 05 19 00-0039		EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,644.73	425.51
			For Class 52 Rating, Deduct	*-330.00*	
			For Class 54 Rating, Add	*457.74*	
			For Class 55 Rating, Add	*684.48*	
			For Class 56 Rating, Add	*908.21*	
40 05 19 00-0040		EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.37	430.12
			For Class 52 Rating, Deduct	*-337.44*	
			For Class 54 Rating, Add	*467.97*	
			For Class 55 Rating, Add	*699.73*	
			For Class 56 Rating, Add	*928.42*	
40 05 19 00-0041		EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,794.01	434.75
			For Class 52 Rating, Deduct	*-344.88*	
			For Class 54 Rating, Add	*478.20*	
			For Class 55 Rating, Add	*714.98*	
			For Class 56 Rating, Add	*948.63*	
40 05 19 00-0042		EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,868.66	439.36
			For Class 52 Rating, Deduct	*-352.33*	
			For Class 54 Rating, Add	*488.43*	
			For Class 55 Rating, Add	*730.24*	
			For Class 56 Rating, Add	*968.84*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044		EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,307.45	332.29
			For Class 52 Rating, Deduct	*-88.44*	
			For Class 54 Rating, Add	*126.64*	
			For Class 55 Rating, Add	*191.37*	
			For Class 56 Rating, Add	*255.30*	
40 05 19 00-0045		EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,397.71	336.90
			For Class 52 Rating, Deduct	*-97.60*	
			For Class 54 Rating, Add	*139.21*	
			For Class 55 Rating, Add	*210.11*	
			For Class 56 Rating, Add	*280.12*	
40 05 19 00-0046		EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.97	341.51
			For Class 52 Rating, Deduct	*-106.76*	
			For Class 54 Rating, Add	*151.79*	
			For Class 55 Rating, Add	*228.84*	
			For Class 56 Rating, Add	*304.93*	
40 05 19 00-0047		EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,578.22	346.14
			For Class 52 Rating, Deduct	*-115.92*	
			For Class 54 Rating, Add	*164.36*	
			For Class 55 Rating, Add	*247.58*	
			For Class 56 Rating, Add	*329.74*	
40 05 19 00-0048		EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,668.48	350.75
			For Class 52 Rating, Deduct	*-125.07*	
			For Class 54 Rating, Add	*176.93*	
			For Class 55 Rating, Add	*266.31*	
			For Class 56 Rating, Add	*354.56*	
40 05 19 00-0049		EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,758.73	355.37
			For Class 52 Rating, Deduct	*-134.23*	
			For Class 54 Rating, Add	*189.51*	
			For Class 55 Rating, Add	*285.05*	
			For Class 56 Rating, Add	*379.37*	
40 05 19 00-0050		EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,848.98	359.98
			For Class 52 Rating, Deduct	*-143.39*	
			For Class 54 Rating, Add	*202.08*	
			For Class 55 Rating, Add	*303.78*	
			For Class 56 Rating, Add	*404.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.24	364.59
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*214.65*	
		For Class 55 Rating, Add	*322.52*	
		For Class 56 Rating, Add	*429.00*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,029.49	369.21
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*227.22*	
		For Class 55 Rating, Add	*341.25*	
		For Class 56 Rating, Add	*453.81*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,119.76	373.82
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*239.80*	
		For Class 55 Rating, Add	*359.99*	
		For Class 56 Rating, Add	*478.63*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,210.00	378.44
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*252.37*	
		For Class 55 Rating, Add	*378.73*	
		For Class 56 Rating, Add	*503.44*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,300.25	383.06
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*264.95*	
		For Class 55 Rating, Add	*397.46*	
		For Class 56 Rating, Add	*528.26*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,390.51	387.67
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*277.52*	
		For Class 55 Rating, Add	*416.20*	
		For Class 56 Rating, Add	*553.07*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.76	392.29
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*290.09*	
		For Class 55 Rating, Add	*434.93*	
		For Class 56 Rating, Add	*577.88*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.01	396.90
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*302.66*	
		For Class 55 Rating, Add	*453.66*	
		For Class 56 Rating, Add	*602.70*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,661.27	401.51
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*315.24*	
		For Class 55 Rating, Add	*472.40*	
		For Class 56 Rating, Add	*627.51*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.53	406.13
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*327.81*	
		For Class 55 Rating, Add	*491.14*	
		For Class 56 Rating, Add	*652.33*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,841.78	410.74
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*340.38*	
		For Class 55 Rating, Add	*509.87*	
		For Class 56 Rating, Add	*677.14*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.04	415.36
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*352.96*	
		For Class 55 Rating, Add	*528.61*	
		For Class 56 Rating, Add	*701.95*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,022.29	419.98
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*365.53*	
		For Class 55 Rating, Add	*547.34*	
		For Class 56 Rating, Add	*726.77*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.54	424.59
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*378.10*	
		For Class 55 Rating, Add	*566.08*	
		For Class 56 Rating, Add	*751.58*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,202.80	429.21
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*390.68*	
		For Class 55 Rating, Add	*584.81*	
		For Class 56 Rating, Add	*776.39*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,293.04	433.82
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*403.25*	
		For Class 55 Rating, Add	*603.55*	
		For Class 56 Rating, Add	*801.21*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,383.30	438.43
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*415.82*	
		For Class 55 Rating, Add	*622.28*	
		For Class 56 Rating, Add	*826.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,473.56	443.05
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*428.40*	
		For Class 55 Rating, Add	*641.02*	
		For Class 56 Rating, Add	*850.84*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.81	447.66
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*440.97*	
		For Class 55 Rating, Add	*659.75*	
		For Class 56 Rating, Add	*875.65*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,654.06	452.28
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*453.54*	
		For Class 55 Rating, Add	*678.49*	
		For Class 56 Rating, Add	*900.46*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,744.32	456.90
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*466.11*	
		For Class 55 Rating, Add	*697.22*	
		For Class 56 Rating, Add	*925.28*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,834.57	461.51
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*478.69*	
		For Class 55 Rating, Add	*715.96*	
		For Class 56 Rating, Add	*950.09*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.83	466.13
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*491.26*	
		For Class 55 Rating, Add	*734.69*	
		For Class 56 Rating, Add	*974.91*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.09	470.74
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*503.84*	
		For Class 55 Rating, Add	*753.43*	
		For Class 56 Rating, Add	*999.72*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,105.34	475.36
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*516.41*	
		For Class 55 Rating, Add	*772.16*	
		For Class 56 Rating, Add	*1,024.53*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.59	479.97
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*528.98*	
		For Class 55 Rating, Add	*790.90*	
		For Class 56 Rating, Add	*1,049.35*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,285.85	484.58
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*541.55*	
		For Class 55 Rating, Add	*809.63*	
		For Class 56 Rating, Add	*1,074.16*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,376.10	489.20
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*554.13*	
		For Class 55 Rating, Add	*828.37*	
		For Class 56 Rating, Add	*1,098.97*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.34	493.82
		For Class 52 Rating, Deduct	*-409.00*	
		For Class 54 Rating, Add	*566.70*	
		For Class 55 Rating, Add	*847.10*	
		For Class 56 Rating, Add	*1,123.79*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,556.61	498.43
		For Class 52 Rating, Deduct	*-418.16*	
		For Class 54 Rating, Add	*579.27*	
		For Class 55 Rating, Add	*865.84*	
		For Class 56 Rating, Add	*1,148.60*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,646.86	503.05
		For Class 52 Rating, Deduct	*-427.31*	
		For Class 54 Rating, Add	*591.85*	
		For Class 55 Rating, Add	*884.57*	
		For Class 56 Rating, Add	*1,173.42*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,737.11	507.66
		For Class 52 Rating, Deduct	*-436.47*	
		For Class 54 Rating, Add	*604.42*	
		For Class 55 Rating, Add	*903.31*	
		For Class 56 Rating, Add	*1,198.23*	
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,827.19	424.59
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*185.30*	
		For Class 55 Rating, Add	*279.44*	
		For Class 56 Rating, Add	*372.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.68	429.21
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*202.56*	
		For Class 55 Rating, Add	*305.14*	
		For Class 56 Rating, Add	*406.43*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.14	433.82
		For Class 52 Rating, Deduct	*-155.41*	
		For Class 54 Rating, Add	*219.81*	
		For Class 55 Rating, Add	*330.84*	
		For Class 56 Rating, Add	*440.45*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,191.62	438.43
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*237.07*	
		For Class 55 Rating, Add	*356.54*	
		For Class 56 Rating, Add	*474.48*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.10	443.05
		For Class 52 Rating, Deduct	*-180.60*	
		For Class 54 Rating, Add	*254.33*	
		For Class 55 Rating, Add	*382.23*	
		For Class 56 Rating, Add	*508.50*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.58	447.66
		For Class 52 Rating, Deduct	*-193.19*	
		For Class 54 Rating, Add	*271.58*	
		For Class 55 Rating, Add	*407.93*	
		For Class 56 Rating, Add	*542.53*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.05	452.28
		For Class 52 Rating, Deduct	*-205.79*	
		For Class 54 Rating, Add	*288.84*	
		For Class 55 Rating, Add	*433.63*	
		For Class 56 Rating, Add	*576.55*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,677.53	456.90
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*306.10*	
		For Class 55 Rating, Add	*459.33*	
		For Class 56 Rating, Add	*610.57*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.01	461.51
		For Class 52 Rating, Deduct	*-230.97*	
		For Class 54 Rating, Add	*323.35*	
		For Class 55 Rating, Add	*485.03*	
		For Class 56 Rating, Add	*644.60*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.48	466.13
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*340.61*	
		For Class 55 Rating, Add	*510.72*	
		For Class 56 Rating, Add	*678.62*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.97	470.74
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*357.87*	
		For Class 55 Rating, Add	*536.42*	
		For Class 56 Rating, Add	*712.65*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,163.44	475.36
		For Class 52 Rating, Deduct	*-268.75*	
		For Class 54 Rating, Add	*375.12*	
		For Class 55 Rating, Add	*562.12*	
		For Class 56 Rating, Add	*746.67*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.92	479.97
		For Class 52 Rating, Deduct	*-281.35*	
		For Class 54 Rating, Add	*392.38*	
		For Class 55 Rating, Add	*587.82*	
		For Class 56 Rating, Add	*780.70*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,406.40	484.58
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*409.64*	
		For Class 55 Rating, Add	*613.52*	
		For Class 56 Rating, Add	*814.72*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.88	489.20
		For Class 52 Rating, Deduct	*-306.53*	
		For Class 54 Rating, Add	*426.89*	
		For Class 55 Rating, Add	*639.21*	
		For Class 56 Rating, Add	*848.75*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,649.34	493.82
		For Class 52 Rating, Deduct	*-319.13*	
		For Class 54 Rating, Add	*444.15*	
		For Class 55 Rating, Add	*664.91*	
		For Class 56 Rating, Add	*882.77*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,770.83	498.43
		For Class 52 Rating, Deduct	*-331.72*	
		For Class 54 Rating, Add	*461.41*	
		For Class 55 Rating, Add	*690.61*	
		For Class 56 Rating, Add	*916.80*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.30	503.05
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*478.66*	
		For Class 55 Rating, Add	*716.31*	
		For Class 56 Rating, Add	*950.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.77	507.66
		For Class 52 Rating, Deduct	*-356.90*	
		For Class 54 Rating, Add	*495.92*	
		For Class 55 Rating, Add	*742.00*	
		For Class 56 Rating, Add	*984.84*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.26	512.28
		For Class 52 Rating, Deduct	*-369.50*	
		For Class 54 Rating, Add	*513.18*	
		For Class 55 Rating, Add	*767.70*	
		For Class 56 Rating, Add	*1,018.87*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,256.73	516.89
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*530.43*	
		For Class 55 Rating, Add	*793.40*	
		For Class 56 Rating, Add	*1,052.89*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.21	521.50
		For Class 52 Rating, Deduct	*-394.69*	
		For Class 54 Rating, Add	*547.69*	
		For Class 55 Rating, Add	*819.10*	
		For Class 56 Rating, Add	*1,086.92*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,499.69	526.12
		For Class 52 Rating, Deduct	*-407.28*	
		For Class 54 Rating, Add	*564.95*	
		For Class 55 Rating, Add	*844.80*	
		For Class 56 Rating, Add	*1,120.94*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,621.17	530.74
		For Class 52 Rating, Deduct	*-419.87*	
		For Class 54 Rating, Add	*582.20*	
		For Class 55 Rating, Add	*870.50*	
		For Class 56 Rating, Add	*1,154.97*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,742.64	535.36
		For Class 52 Rating, Deduct	*-432.47*	
		For Class 54 Rating, Add	*599.46*	
		For Class 55 Rating, Add	*896.19*	
		For Class 56 Rating, Add	*1,188.99*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,864.13	539.97
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*616.72*	
		For Class 55 Rating, Add	*921.89*	
		For Class 56 Rating, Add	*1,223.02*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.60	544.58
		For Class 52 Rating, Deduct	*-457.65*	
		For Class 54 Rating, Add	*633.97*	
		For Class 55 Rating, Add	*947.59*	
		For Class 56 Rating, Add	*1,257.04*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,107.06	549.20
		For Class 52 Rating, Deduct	*-470.24*	
		For Class 54 Rating, Add	*651.23*	
		For Class 55 Rating, Add	*973.28*	
		For Class 56 Rating, Add	*1,291.07*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.55	553.81
		For Class 52 Rating, Deduct	*-482.84*	
		For Class 54 Rating, Add	*668.49*	
		For Class 55 Rating, Add	*998.98*	
		For Class 56 Rating, Add	*1,325.09*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,350.02	558.42
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*685.74*	
		For Class 55 Rating, Add	*1,024.68*	
		For Class 56 Rating, Add	*1,359.12*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,471.50	563.05
		For Class 52 Rating, Deduct	*-508.03*	
		For Class 54 Rating, Add	*703.00*	
		For Class 55 Rating, Add	*1,050.38*	
		For Class 56 Rating, Add	*1,393.14*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,592.98	567.66
		For Class 52 Rating, Deduct	*-520.62*	
		For Class 54 Rating, Add	*720.25*	
		For Class 55 Rating, Add	*1,076.08*	
		For Class 56 Rating, Add	*1,427.17*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,714.46	572.28
		For Class 52 Rating, Deduct	*-533.21*	
		For Class 54 Rating, Add	*737.51*	
		For Class 55 Rating, Add	*1,101.78*	
		For Class 56 Rating, Add	*1,461.19*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,835.93	576.89
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*754.77*	
		For Class 55 Rating, Add	*1,127.47*	
		For Class 56 Rating, Add	*1,495.22*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,957.42	581.50
		For Class 52 Rating, Deduct	*-558.40*	
		For Class 54 Rating, Add	*772.03*	
		For Class 55 Rating, Add	*1,153.17*	
		For Class 56 Rating, Add	*1,529.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,078.89	586.12
		For Class 52 Rating, Deduct	*-570.99*	
		For Class 54 Rating, Add	*789.28*	
		For Class 55 Rating, Add	*1,178.87*	
		For Class 56 Rating, Add	*1,563.27*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,200.36	590.73
		For Class 52 Rating, Deduct	*-583.58*	
		For Class 54 Rating, Add	*806.54*	
		For Class 55 Rating, Add	*1,204.57*	
		For Class 56 Rating, Add	*1,597.29*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,321.85	595.35
		For Class 52 Rating, Deduct	*-596.18*	
		For Class 54 Rating, Add	*823.79*	
		For Class 55 Rating, Add	*1,230.26*	
		For Class 56 Rating, Add	*1,631.31*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,443.32	599.97
		For Class 52 Rating, Deduct	*-608.77*	
		For Class 54 Rating, Add	*841.05*	
		For Class 55 Rating, Add	*1,255.96*	
		For Class 56 Rating, Add	*1,665.34*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,302.69	516.89
		For Class 52 Rating, Deduct	*-167.15*	
		For Class 54 Rating, Add	*237.33*	
		For Class 55 Rating, Add	*357.65*	
		For Class 56 Rating, Add	*476.45*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.59	521.50
		For Class 52 Rating, Deduct	*-183.75*	
		For Class 54 Rating, Add	*260.05*	
		For Class 55 Rating, Add	*391.47*	
		For Class 56 Rating, Add	*521.22*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.50	526.12
		For Class 52 Rating, Deduct	*-200.35*	
		For Class 54 Rating, Add	*282.77*	
		For Class 55 Rating, Add	*425.29*	
		For Class 56 Rating, Add	*565.99*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,776.41	530.74
		For Class 52 Rating, Deduct	*-216.95*	
		For Class 54 Rating, Add	*305.49*	
		For Class 55 Rating, Add	*459.11*	
		For Class 56 Rating, Add	*610.77*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,934.31	535.36
		For Class 52 Rating, Deduct	*-233.55*	
		For Class 54 Rating, Add	*328.21*	
		For Class 55 Rating, Add	*492.93*	
		For Class 56 Rating, Add	*655.54*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.22	539.97
		For Class 52 Rating, Deduct	*-250.15*	
		For Class 54 Rating, Add	*350.93*	
		For Class 55 Rating, Add	*526.76*	
		For Class 56 Rating, Add	*700.31*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,250.12	544.58
		For Class 52 Rating, Deduct	*-266.75*	
		For Class 54 Rating, Add	*373.65*	
		For Class 55 Rating, Add	*560.58*	
		For Class 56 Rating, Add	*745.08*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,408.01	549.20
		For Class 52 Rating, Deduct	*-283.35*	
		For Class 54 Rating, Add	*396.37*	
		For Class 55 Rating, Add	*594.40*	
		For Class 56 Rating, Add	*789.85*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,565.92	553.81
		For Class 52 Rating, Deduct	*-299.95*	
		For Class 54 Rating, Add	*419.09*	
		For Class 55 Rating, Add	*628.22*	
		For Class 56 Rating, Add	*834.62*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,723.82	558.42
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*441.81*	
		For Class 55 Rating, Add	*662.04*	
		For Class 56 Rating, Add	*879.39*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,881.72	563.05
		For Class 52 Rating, Deduct	*-333.15*	
		For Class 54 Rating, Add	*464.53*	
		For Class 55 Rating, Add	*695.86*	
		For Class 56 Rating, Add	*924.16*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,039.64	567.66
		For Class 52 Rating, Deduct	*-349.75*	
		For Class 54 Rating, Add	*487.25*	
		For Class 55 Rating, Add	*729.68*	
		For Class 56 Rating, Add	*968.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,197.54	572.28
		For Class 52 Rating, Deduct	*-366.35*	
		For Class 54 Rating, Add	*509.97*	
		For Class 55 Rating, Add	*763.50*	
		For Class 56 Rating, Add	*1,013.70*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,355.44	576.89
		For Class 52 Rating, Deduct	*-382.95*	
		For Class 54 Rating, Add	*532.69*	
		For Class 55 Rating, Add	*797.32*	
		For Class 56 Rating, Add	*1,058.47*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,513.35	581.50
		For Class 52 Rating, Deduct	*-399.55*	
		For Class 54 Rating, Add	*555.41*	
		For Class 55 Rating, Add	*831.14*	
		For Class 56 Rating, Add	*1,103.24*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,671.25	586.12
		For Class 52 Rating, Deduct	*-416.15*	
		For Class 54 Rating, Add	*578.14*	
		For Class 55 Rating, Add	*864.96*	
		For Class 56 Rating, Add	*1,148.01*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,829.15	590.73
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*600.86*	
		For Class 55 Rating, Add	*898.79*	
		For Class 56 Rating, Add	*1,192.78*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,987.06	595.35
		For Class 52 Rating, Deduct	*-449.35*	
		For Class 54 Rating, Add	*623.58*	
		For Class 55 Rating, Add	*932.61*	
		For Class 56 Rating, Add	*1,237.55*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,144.97	599.97
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*646.30*	
		For Class 55 Rating, Add	*966.43*	
		For Class 56 Rating, Add	*1,282.32*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,302.87	604.58
		For Class 52 Rating, Deduct	*-482.55*	
		For Class 54 Rating, Add	*669.02*	
		For Class 55 Rating, Add	*1,000.25*	
		For Class 56 Rating, Add	*1,327.09*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,460.77	609.20
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*691.74*	
		For Class 55 Rating, Add	*1,034.07*	
		For Class 56 Rating, Add	*1,371.86*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,618.67	613.81
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*714.46*	
		For Class 55 Rating, Add	*1,067.89*	
		For Class 56 Rating, Add	*1,416.64*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,776.58	618.42
		For Class 52 Rating, Deduct	*-532.35*	
		For Class 54 Rating, Add	*737.18*	
		For Class 55 Rating, Add	*1,101.71*	
		For Class 56 Rating, Add	*1,461.41*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,934.48	623.04
		For Class 52 Rating, Deduct	*-548.95*	
		For Class 54 Rating, Add	*759.90*	
		For Class 55 Rating, Add	*1,135.53*	
		For Class 56 Rating, Add	*1,506.18*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,092.38	627.65
		For Class 52 Rating, Deduct	*-565.55*	
		For Class 54 Rating, Add	*782.62*	
		For Class 55 Rating, Add	*1,169.35*	
		For Class 56 Rating, Add	*1,550.95*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,250.30	632.27
		For Class 52 Rating, Deduct	*-582.15*	
		For Class 54 Rating, Add	*805.34*	
		For Class 55 Rating, Add	*1,203.18*	
		For Class 56 Rating, Add	*1,595.72*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,408.20	636.89
		For Class 52 Rating, Deduct	*-598.75*	
		For Class 54 Rating, Add	*828.06*	
		For Class 55 Rating, Add	*1,237.00*	
		For Class 56 Rating, Add	*1,640.49*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,566.10	641.50
		For Class 52 Rating, Deduct	*-615.35*	
		For Class 54 Rating, Add	*850.78*	
		For Class 55 Rating, Add	*1,270.82*	
		For Class 56 Rating, Add	*1,685.26*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,724.01	646.12
		For Class 52 Rating, Deduct	*-631.95*	
		For Class 54 Rating, Add	*873.50*	
		For Class 55 Rating, Add	*1,304.64*	
		For Class 56 Rating, Add	*1,730.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,881.91	650.73
		For Class 52 Rating, Deduct	*-648.55*	
		For Class 54 Rating, Add	*896.22*	
		For Class 55 Rating, Add	*1,338.46*	
		For Class 56 Rating, Add	*1,774.80*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,039.81	655.35
		For Class 52 Rating, Deduct	*-665.15*	
		For Class 54 Rating, Add	*918.94*	
		For Class 55 Rating, Add	*1,372.28*	
		For Class 56 Rating, Add	*1,819.57*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,195.12	659.96
		For Class 52 Rating, Deduct	*-681.47*	
		For Class 54 Rating, Add	*941.27*	
		For Class 55 Rating, Add	*1,405.52*	
		For Class 56 Rating, Add	*1,863.57*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,355.61	664.57
		For Class 52 Rating, Deduct	*-698.35*	
		For Class 54 Rating, Add	*964.39*	
		For Class 55 Rating, Add	*1,439.92*	
		For Class 56 Rating, Add	*1,909.11*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,513.52	669.19
		For Class 52 Rating, Deduct	*-714.96*	
		For Class 54 Rating, Add	*987.11*	
		For Class 55 Rating, Add	*1,473.74*	
		For Class 56 Rating, Add	*1,953.88*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,671.43	673.81
		For Class 52 Rating, Deduct	*-731.56*	
		For Class 54 Rating, Add	*1,009.83*	
		For Class 55 Rating, Add	*1,507.57*	
		For Class 56 Rating, Add	*1,998.65*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,829.33	678.42
		For Class 52 Rating, Deduct	*-748.16*	
		For Class 54 Rating, Add	*1,032.55*	
		For Class 55 Rating, Add	*1,541.39*	
		For Class 56 Rating, Add	*2,043.42*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,987.23	683.04
		For Class 52 Rating, Deduct	*-764.76*	
		For Class 54 Rating, Add	*1,055.27*	
		For Class 55 Rating, Add	*1,575.21*	
		For Class 56 Rating, Add	*2,088.19*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,145.14	687.65
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,077.99*	
		For Class 55 Rating, Add	*1,609.03*	
		For Class 56 Rating, Add	*2,132.96*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,303.04	692.27
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,100.71*	
		For Class 55 Rating, Add	*1,642.85*	
		For Class 56 Rating, Add	*2,177.73*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,013.67	646.12
		For Class 52 Rating, Deduct	*-223.82*	
		For Class 54 Rating, Add	*316.95*	
		For Class 55 Rating, Add	*477.23*	
		For Class 56 Rating, Add	*635.48*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.60	650.73
		For Class 52 Rating, Deduct	*-244.71*	
		For Class 54 Rating, Add	*345.53*	
		For Class 55 Rating, Add	*519.76*	
		For Class 56 Rating, Add	*691.76*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,407.53	655.35
		For Class 52 Rating, Deduct	*-265.60*	
		For Class 54 Rating, Add	*374.10*	
		For Class 55 Rating, Add	*562.28*	
		For Class 56 Rating, Add	*748.05*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,604.47	659.96
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*402.68*	
		For Class 55 Rating, Add	*604.81*	
		For Class 56 Rating, Add	*804.33*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,801.39	664.57
		For Class 52 Rating, Deduct	*-307.39*	
		For Class 54 Rating, Add	*431.25*	
		For Class 55 Rating, Add	*647.33*	
		For Class 56 Rating, Add	*860.62*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,998.32	669.19
		For Class 52 Rating, Deduct	*-328.28*	
		For Class 54 Rating, Add	*459.83*	
		For Class 55 Rating, Add	*689.86*	
		For Class 56 Rating, Add	*916.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.26	673.81
		For Class 52 Rating, Deduct	*-349.18*	
		For Class 54 Rating, Add	*488.40*	
		For Class 55 Rating, Add	*732.38*	
		For Class 56 Rating, Add	*973.18*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,392.19	678.42
		For Class 52 Rating, Deduct	*-370.07*	
		For Class 54 Rating, Add	*516.98*	
		For Class 55 Rating, Add	*774.90*	
		For Class 56 Rating, Add	*1,029.47*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,589.12	683.04
		For Class 52 Rating, Deduct	*-390.96*	
		For Class 54 Rating, Add	*545.55*	
		For Class 55 Rating, Add	*817.43*	
		For Class 56 Rating, Add	*1,085.75*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.06	687.65
		For Class 52 Rating, Deduct	*-411.86*	
		For Class 54 Rating, Add	*574.13*	
		For Class 55 Rating, Add	*859.95*	
		For Class 56 Rating, Add	*1,142.04*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.99	692.27
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*602.70*	
		For Class 55 Rating, Add	*902.48*	
		For Class 56 Rating, Add	*1,198.32*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.92	696.88
		For Class 52 Rating, Deduct	*-453.64*	
		For Class 54 Rating, Add	*631.28*	
		For Class 55 Rating, Add	*945.00*	
		For Class 56 Rating, Add	*1,254.60*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,376.86	701.49
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*659.85*	
		For Class 55 Rating, Add	*987.53*	
		For Class 56 Rating, Add	*1,310.89*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,573.79	706.11
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*688.43*	
		For Class 55 Rating, Add	*1,030.05*	
		For Class 56 Rating, Add	*1,367.17*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,770.72	710.73
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*717.00*	
		For Class 55 Rating, Add	*1,072.58*	
		For Class 56 Rating, Add	*1,423.46*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,967.66	715.35
		For Class 52 Rating, Deduct	*-537.22*	
		For Class 54 Rating, Add	*745.58*	
		For Class 55 Rating, Add	*1,115.10*	
		For Class 56 Rating, Add	*1,479.74*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,164.59	719.96
		For Class 52 Rating, Deduct	*-558.11*	
		For Class 54 Rating, Add	*774.15*	
		For Class 55 Rating, Add	*1,157.62*	
		For Class 56 Rating, Add	*1,536.02*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,361.51	724.57
		For Class 52 Rating, Deduct	*-579.00*	
		For Class 54 Rating, Add	*802.73*	
		For Class 55 Rating, Add	*1,200.15*	
		For Class 56 Rating, Add	*1,592.31*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,558.45	729.19
		For Class 52 Rating, Deduct	*-599.90*	
		For Class 54 Rating, Add	*831.30*	
		For Class 55 Rating, Add	*1,242.67*	
		For Class 56 Rating, Add	*1,648.59*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,755.38	733.80
		For Class 52 Rating, Deduct	*-620.79*	
		For Class 54 Rating, Add	*859.88*	
		For Class 55 Rating, Add	*1,285.20*	
		For Class 56 Rating, Add	*1,704.88*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,952.31	738.41
		For Class 52 Rating, Deduct	*-641.69*	
		For Class 54 Rating, Add	*888.45*	
		For Class 55 Rating, Add	*1,327.72*	
		For Class 56 Rating, Add	*1,761.16*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,149.25	743.03
		For Class 52 Rating, Deduct	*-662.58*	
		For Class 54 Rating, Add	*917.03*	
		For Class 55 Rating, Add	*1,370.25*	
		For Class 56 Rating, Add	*1,817.44*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,346.18	747.65
		For Class 52 Rating, Deduct	*-683.47*	
		For Class 54 Rating, Add	*945.60*	
		For Class 55 Rating, Add	*1,412.77*	
		For Class 56 Rating, Add	*1,873.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,543.12	752.27
		For Class 52 Rating, Deduct	*-704.37*	
		For Class 54 Rating, Add	*974.18*	
		For Class 55 Rating, Add	*1,455.30*	
		For Class 56 Rating, Add	*1,930.01*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,740.06	756.88
		For Class 52 Rating, Deduct	*-725.26*	
		For Class 54 Rating, Add	*1,002.75*	
		For Class 55 Rating, Add	*1,497.82*	
		For Class 56 Rating, Add	*1,986.30*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,936.99	761.49
		For Class 52 Rating, Deduct	*-746.15*	
		For Class 54 Rating, Add	*1,031.33*	
		For Class 55 Rating, Add	*1,540.35*	
		For Class 56 Rating, Add	*2,042.58*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,133.92	766.11
		For Class 52 Rating, Deduct	*-767.05*	
		For Class 54 Rating, Add	*1,059.90*	
		For Class 55 Rating, Add	*1,582.87*	
		For Class 56 Rating, Add	*2,098.87*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,330.86	770.72
		For Class 52 Rating, Deduct	*-787.94*	
		For Class 54 Rating, Add	*1,088.48*	
		For Class 55 Rating, Add	*1,625.40*	
		For Class 56 Rating, Add	*2,155.15*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,527.79	775.34
		For Class 52 Rating, Deduct	*-808.83*	
		For Class 54 Rating, Add	*1,117.05*	
		For Class 55 Rating, Add	*1,667.92*	
		For Class 56 Rating, Add	*2,211.44*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,724.71	779.96
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,145.63*	
		For Class 55 Rating, Add	*1,710.44*	
		For Class 56 Rating, Add	*2,267.72*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,921.65	784.57
		For Class 52 Rating, Deduct	*-850.62*	
		For Class 54 Rating, Add	*1,174.20*	
		For Class 55 Rating, Add	*1,752.97*	
		For Class 56 Rating, Add	*2,324.00*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,118.58	789.19
		For Class 52 Rating, Deduct	*-871.51*	
		For Class 54 Rating, Add	*1,202.78*	
		For Class 55 Rating, Add	*1,795.49*	
		For Class 56 Rating, Add	*2,380.29*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.51	793.80
		For Class 52 Rating, Deduct	*-892.41*	
		For Class 54 Rating, Add	*1,231.35*	
		For Class 55 Rating, Add	*1,838.02*	
		For Class 56 Rating, Add	*2,436.57*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,512.45	798.41
		For Class 52 Rating, Deduct	*-913.30*	
		For Class 54 Rating, Add	*1,259.93*	
		For Class 55 Rating, Add	*1,880.54*	
		For Class 56 Rating, Add	*2,492.86*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,709.38	803.03
		For Class 52 Rating, Deduct	*-934.19*	
		For Class 54 Rating, Add	*1,288.50*	
		For Class 55 Rating, Add	*1,923.07*	
		For Class 56 Rating, Add	*2,549.14*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,906.31	807.64
		For Class 52 Rating, Deduct	*-955.09*	
		For Class 54 Rating, Add	*1,317.08*	
		For Class 55 Rating, Add	*1,965.59*	
		For Class 56 Rating, Add	*2,605.42*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,103.25	812.26
		For Class 52 Rating, Deduct	*-975.98*	
		For Class 54 Rating, Add	*1,345.65*	
		For Class 55 Rating, Add	*2,008.12*	
		For Class 56 Rating, Add	*2,661.71*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,300.18	816.88
		For Class 52 Rating, Deduct	*-996.87*	
		For Class 54 Rating, Add	*1,374.23*	
		For Class 55 Rating, Add	*2,050.64*	
		For Class 56 Rating, Add	*2,717.99*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,497.11	821.49
		For Class 52 Rating, Deduct	*-1,017.77*	
		For Class 54 Rating, Add	*1,402.80*	
		For Class 55 Rating, Add	*2,093.16*	
		For Class 56 Rating, Add	*2,774.28*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,023.86	775.34
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*441.46*	
		For Class 55 Rating, Add	*663.54*	
		For Class 56 Rating, Add	*882.78*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,262.41	779.96
		For Class 52 Rating, Deduct	*-338.87*	
		For Class 54 Rating, Add	*476.28*	
		For Class 55 Rating, Add	*715.35*	
		For Class 56 Rating, Add	*951.34*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.98	784.57
		For Class 52 Rating, Deduct	*-364.35*	
		For Class 54 Rating, Add	*511.10*	
		For Class 55 Rating, Add	*767.16*	
		For Class 56 Rating, Add	*1,019.91*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,739.55	789.19
		For Class 52 Rating, Deduct	*-389.82*	
		For Class 54 Rating, Add	*545.92*	
		For Class 55 Rating, Add	*818.97*	
		For Class 56 Rating, Add	*1,088.47*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,978.11	793.80
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*580.74*	
		For Class 55 Rating, Add	*870.78*	
		For Class 56 Rating, Add	*1,157.04*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,216.68	798.41
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*615.56*	
		For Class 55 Rating, Add	*922.59*	
		For Class 56 Rating, Add	*1,225.60*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,455.24	803.03
		For Class 52 Rating, Deduct	*-466.24*	
		For Class 54 Rating, Add	*650.38*	
		For Class 55 Rating, Add	*974.39*	
		For Class 56 Rating, Add	*1,294.17*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,693.80	807.64
		For Class 52 Rating, Deduct	*-491.71*	
		For Class 54 Rating, Add	*685.20*	
		For Class 55 Rating, Add	*1,026.20*	
		For Class 56 Rating, Add	*1,362.73*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.37	812.26
		For Class 52 Rating, Deduct	*-517.18*	
		For Class 54 Rating, Add	*720.02*	
		For Class 55 Rating, Add	*1,078.01*	
		For Class 56 Rating, Add	*1,431.30*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,170.93	816.88
		For Class 52 Rating, Deduct	*-542.66*	
		For Class 54 Rating, Add	*754.84*	
		For Class 55 Rating, Add	*1,129.82*	
		For Class 56 Rating, Add	*1,499.86*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,409.49	821.49
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*789.66*	
		For Class 55 Rating, Add	*1,181.62*	
		For Class 56 Rating, Add	*1,568.43*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,648.06	826.11
		For Class 52 Rating, Deduct	*-593.60*	
		For Class 54 Rating, Add	*824.48*	
		For Class 55 Rating, Add	*1,233.43*	
		For Class 56 Rating, Add	*1,636.99*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,886.62	830.72
		For Class 52 Rating, Deduct	*-619.07*	
		For Class 54 Rating, Add	*859.30*	
		For Class 55 Rating, Add	*1,285.24*	
		For Class 56 Rating, Add	*1,705.56*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,125.18	835.34
		For Class 52 Rating, Deduct	*-644.55*	
		For Class 54 Rating, Add	*894.12*	
		For Class 55 Rating, Add	*1,337.05*	
		For Class 56 Rating, Add	*1,774.12*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,363.74	839.95
		For Class 52 Rating, Deduct	*-670.02*	
		For Class 54 Rating, Add	*928.94*	
		For Class 55 Rating, Add	*1,388.86*	
		For Class 56 Rating, Add	*1,842.69*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,602.31	844.56
		For Class 52 Rating, Deduct	*-695.49*	
		For Class 54 Rating, Add	*963.76*	
		For Class 55 Rating, Add	*1,440.67*	
		For Class 56 Rating, Add	*1,911.25*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,840.87	849.18
		For Class 52 Rating, Deduct	*-720.97*	
		For Class 54 Rating, Add	*998.58*	
		For Class 55 Rating, Add	*1,492.47*	
		For Class 56 Rating, Add	*1,979.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,079.44	853.80
		For Class 52 Rating, Deduct	*-746.44*	
		For Class 54 Rating, Add	*1,033.40*	
		For Class 55 Rating, Add	*1,544.28*	
		For Class 56 Rating, Add	*2,048.38*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,318.00	858.41
		For Class 52 Rating, Deduct	*-771.91*	
		For Class 54 Rating, Add	*1,068.21*	
		For Class 55 Rating, Add	*1,596.09*	
		For Class 56 Rating, Add	*2,116.95*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,556.57	863.03
		For Class 52 Rating, Deduct	*-797.38*	
		For Class 54 Rating, Add	*1,103.03*	
		For Class 55 Rating, Add	*1,647.90*	
		For Class 56 Rating, Add	*2,185.51*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,795.13	867.64
		For Class 52 Rating, Deduct	*-822.86*	
		For Class 54 Rating, Add	*1,137.85*	
		For Class 55 Rating, Add	*1,699.71*	
		For Class 56 Rating, Add	*2,254.08*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,033.69	872.26
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,172.67*	
		For Class 55 Rating, Add	*1,751.51*	
		For Class 56 Rating, Add	*2,322.64*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,272.26	876.87
		For Class 52 Rating, Deduct	*-873.80*	
		For Class 54 Rating, Add	*1,207.49*	
		For Class 55 Rating, Add	*1,803.32*	
		For Class 56 Rating, Add	*2,391.21*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,510.82	881.48
		For Class 52 Rating, Deduct	*-899.28*	
		For Class 54 Rating, Add	*1,242.31*	
		For Class 55 Rating, Add	*1,855.13*	
		For Class 56 Rating, Add	*2,459.77*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,749.38	886.10
		For Class 52 Rating, Deduct	*-924.75*	
		For Class 54 Rating, Add	*1,277.13*	
		For Class 55 Rating, Add	*1,906.94*	
		For Class 56 Rating, Add	*2,528.34*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,987.95	890.72
		For Class 52 Rating, Deduct	*-950.22*	
		For Class 54 Rating, Add	*1,311.95*	
		For Class 55 Rating, Add	*1,958.75*	
		For Class 56 Rating, Add	*2,596.90*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,226.51	895.34
		For Class 52 Rating, Deduct	*-975.69*	
		For Class 54 Rating, Add	*1,346.77*	
		For Class 55 Rating, Add	*2,010.56*	
		For Class 56 Rating, Add	*2,665.47*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,465.07	899.95
		For Class 52 Rating, Deduct	*-1,001.17*	
		For Class 54 Rating, Add	*1,381.59*	
		For Class 55 Rating, Add	*2,062.36*	
		For Class 56 Rating, Add	*2,734.04*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,703.64	904.56
		For Class 52 Rating, Deduct	*-1,026.64*	
		For Class 54 Rating, Add	*1,416.41*	
		For Class 55 Rating, Add	*2,114.17*	
		For Class 56 Rating, Add	*2,802.60*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,942.20	909.18
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,451.23*	
		For Class 55 Rating, Add	*2,165.98*	
		For Class 56 Rating, Add	*2,871.17*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,180.76	913.79
		For Class 52 Rating, Deduct	*-1,077.59*	
		For Class 54 Rating, Add	*1,486.05*	
		For Class 55 Rating, Add	*2,217.79*	
		For Class 56 Rating, Add	*2,939.73*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,419.33	918.40
		For Class 52 Rating, Deduct	*-1,103.06*	
		For Class 54 Rating, Add	*1,520.87*	
		For Class 55 Rating, Add	*2,269.60*	
		For Class 56 Rating, Add	*3,008.30*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,657.89	923.02
		For Class 52 Rating, Deduct	*-1,128.53*	
		For Class 54 Rating, Add	*1,555.69*	
		For Class 55 Rating, Add	*2,321.40*	
		For Class 56 Rating, Add	*3,076.86*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,896.45	927.64
		For Class 52 Rating, Deduct	*-1,154.00*	
		For Class 54 Rating, Add	*1,590.51*	
		For Class 55 Rating, Add	*2,373.21*	
		For Class 56 Rating, Add	*3,145.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,135.02	932.26
		For Class 52 Rating, Deduct	*-1,179.48*	
		For Class 54 Rating, Add	*1,625.33*	
		For Class 55 Rating, Add	*2,425.02*	
		For Class 56 Rating, Add	*3,213.99*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,373.58	936.87
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,660.15*	
		For Class 55 Rating, Add	*2,476.83*	
		For Class 56 Rating, Add	*3,282.56*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,612.14	941.48
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,694.97*	
		For Class 55 Rating, Add	*2,528.64*	
		For Class 56 Rating, Add	*3,351.12*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,850.71	946.10
		For Class 52 Rating, Deduct	*-1,255.89*	
		For Class 54 Rating, Add	*1,729.78*	
		For Class 55 Rating, Add	*2,580.44*	
		For Class 56 Rating, Add	*3,419.69*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,719.87	886.10
		For Class 52 Rating, Deduct	*-371.50*	
		For Class 54 Rating, Add	*522.70*	
		For Class 55 Rating, Add	*785.36*	
		For Class 56 Rating, Add	*1,044.63*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.47	890.72
		For Class 52 Rating, Deduct	*-401.27*	
		For Class 54 Rating, Add	*563.38*	
		For Class 55 Rating, Add	*845.87*	
		For Class 56 Rating, Add	*1,124.71*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,275.05	895.34
		For Class 52 Rating, Deduct	*-431.03*	
		For Class 54 Rating, Add	*604.05*	
		For Class 55 Rating, Add	*906.38*	
		For Class 56 Rating, Add	*1,204.79*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,552.64	899.95
		For Class 52 Rating, Deduct	*-460.80*	
		For Class 54 Rating, Add	*644.73*	
		For Class 55 Rating, Add	*966.89*	
		For Class 56 Rating, Add	*1,284.87*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,830.24	904.56
		For Class 52 Rating, Deduct	*-490.57*	
		For Class 54 Rating, Add	*685.40*	
		For Class 55 Rating, Add	*1,027.40*	
		For Class 56 Rating, Add	*1,364.95*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,107.83	909.18
		For Class 52 Rating, Deduct	*-520.33*	
		For Class 54 Rating, Add	*726.07*	
		For Class 55 Rating, Add	*1,087.92*	
		For Class 56 Rating, Add	*1,445.03*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,385.42	913.79
		For Class 52 Rating, Deduct	*-550.10*	
		For Class 54 Rating, Add	*766.75*	
		For Class 55 Rating, Add	*1,148.43*	
		For Class 56 Rating, Add	*1,525.11*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,663.02	918.40
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*807.42*	
		For Class 55 Rating, Add	*1,208.94*	
		For Class 56 Rating, Add	*1,605.18*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,940.61	923.02
		For Class 52 Rating, Deduct	*-609.63*	
		For Class 54 Rating, Add	*848.10*	
		For Class 55 Rating, Add	*1,269.45*	
		For Class 56 Rating, Add	*1,685.26*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,218.20	927.64
		For Class 52 Rating, Deduct	*-639.40*	
		For Class 54 Rating, Add	*888.77*	
		For Class 55 Rating, Add	*1,329.96*	
		For Class 56 Rating, Add	*1,765.34*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,495.80	932.26
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*929.44*	
		For Class 55 Rating, Add	*1,390.47*	
		For Class 56 Rating, Add	*1,845.42*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,773.39	936.87
		For Class 52 Rating, Deduct	*-698.93*	
		For Class 54 Rating, Add	*970.12*	
		For Class 55 Rating, Add	*1,450.99*	
		For Class 56 Rating, Add	*1,925.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,050.98	941.48
		For Class 52 Rating, Deduct	*-728.69*	
		For Class 54 Rating, Add	*1,010.79*	
		For Class 55 Rating, Add	*1,511.50*	
		For Class 56 Rating, Add	*2,005.58*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,328.58	946.10
		For Class 52 Rating, Deduct	*-758.46*	
		For Class 54 Rating, Add	*1,051.47*	
		For Class 55 Rating, Add	*1,572.01*	
		For Class 56 Rating, Add	*2,085.66*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,606.17	950.71
		For Class 52 Rating, Deduct	*-788.23*	
		For Class 54 Rating, Add	*1,092.14*	
		For Class 55 Rating, Add	*1,632.52*	
		For Class 56 Rating, Add	*2,165.74*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,883.75	955.33
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,132.81*	
		For Class 55 Rating, Add	*1,693.03*	
		For Class 56 Rating, Add	*2,245.81*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,161.35	959.94
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,173.49*	
		For Class 55 Rating, Add	*1,753.54*	
		For Class 56 Rating, Add	*2,325.89*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,438.94	964.56
		For Class 52 Rating, Deduct	*-877.52*	
		For Class 54 Rating, Add	*1,214.16*	
		For Class 55 Rating, Add	*1,814.06*	
		For Class 56 Rating, Add	*2,405.97*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,716.53	969.18
		For Class 52 Rating, Deduct	*-907.29*	
		For Class 54 Rating, Add	*1,254.83*	
		For Class 55 Rating, Add	*1,874.57*	
		For Class 56 Rating, Add	*2,486.05*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,994.13	973.79
		For Class 52 Rating, Deduct	*-937.06*	
		For Class 54 Rating, Add	*1,295.51*	
		For Class 55 Rating, Add	*1,935.08*	
		For Class 56 Rating, Add	*2,566.13*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,271.72	978.40
		For Class 52 Rating, Deduct	*-966.82*	
		For Class 54 Rating, Add	*1,336.18*	
		For Class 55 Rating, Add	*1,995.59*	
		For Class 56 Rating, Add	*2,646.21*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,549.31	983.02
		For Class 52 Rating, Deduct	*-996.59*	
		For Class 54 Rating, Add	*1,376.86*	
		For Class 55 Rating, Add	*2,056.10*	
		For Class 56 Rating, Add	*2,726.29*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,826.91	987.63
		For Class 52 Rating, Deduct	*-1,026.35*	
		For Class 54 Rating, Add	*1,417.53*	
		For Class 55 Rating, Add	*2,116.61*	
		For Class 56 Rating, Add	*2,806.37*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,104.49	992.25
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,458.20*	
		For Class 55 Rating, Add	*2,177.12*	
		For Class 56 Rating, Add	*2,886.44*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,382.08	996.86
		For Class 52 Rating, Deduct	*-1,085.88*	
		For Class 54 Rating, Add	*1,498.88*	
		For Class 55 Rating, Add	*2,237.63*	
		For Class 56 Rating, Add	*2,966.52*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,659.68	1,001.48
		For Class 52 Rating, Deduct	*-1,115.65*	
		For Class 54 Rating, Add	*1,539.55*	
		For Class 55 Rating, Add	*2,298.15*	
		For Class 56 Rating, Add	*3,046.60*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,937.27	1,006.10
		For Class 52 Rating, Deduct	*-1,145.42*	
		For Class 54 Rating, Add	*1,580.22*	
		For Class 55 Rating, Add	*2,358.66*	
		For Class 56 Rating, Add	*3,126.68*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,214.85	1,010.71
		For Class 52 Rating, Deduct	*-1,175.18*	
		For Class 54 Rating, Add	*1,620.90*	
		For Class 55 Rating, Add	*2,419.17*	
		For Class 56 Rating, Add	*3,206.76*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,492.45	1,015.33
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,661.57*	
		For Class 55 Rating, Add	*2,479.68*	
		For Class 56 Rating, Add	*3,286.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272		EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,770.04	1,019.94
			For Class 52 Rating, Deduct	*-1,234.71*	
			For Class 54 Rating, Add	*1,702.25*	
			For Class 55 Rating, Add	*2,540.19*	
			For Class 56 Rating, Add	*3,366.91*	
40 05 19 00-0273		EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,047.63	1,024.55
			For Class 52 Rating, Deduct	*-1,264.48*	
			For Class 54 Rating, Add	*1,742.92*	
			For Class 55 Rating, Add	*2,600.70*	
			For Class 56 Rating, Add	*3,446.99*	
40 05 19 00-0274		EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,325.23	1,029.17
			For Class 52 Rating, Deduct	*-1,294.25*	
			For Class 54 Rating, Add	*1,783.59*	
			For Class 55 Rating, Add	*2,661.22*	
			For Class 56 Rating, Add	*3,527.07*	
40 05 19 00-0275		EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,602.82	1,033.78
			For Class 52 Rating, Deduct	*-1,324.01*	
			For Class 54 Rating, Add	*1,824.27*	
			For Class 55 Rating, Add	*2,721.73*	
			For Class 56 Rating, Add	*3,607.15*	
40 05 19 00-0276		EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,880.41	1,038.40
			For Class 52 Rating, Deduct	*-1,353.78*	
			For Class 54 Rating, Add	*1,864.94*	
			For Class 55 Rating, Add	*2,782.24*	
			For Class 56 Rating, Add	*3,687.23*	
40 05 19 00-0277		EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,158.01	1,043.02
			For Class 52 Rating, Deduct	*-1,383.54*	
			For Class 54 Rating, Add	*1,905.62*	
			For Class 55 Rating, Add	*2,842.75*	
			For Class 56 Rating, Add	*3,767.31*	
40 05 19 00-0278		EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,435.60	1,047.63
			For Class 52 Rating, Deduct	*-1,413.31*	
			For Class 54 Rating, Add	*1,946.29*	
			For Class 55 Rating, Add	*2,903.26*	
			For Class 56 Rating, Add	*3,847.39*	
40 05 19 00-0279		EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,713.19	1,052.25
			For Class 52 Rating, Deduct	*-1,443.08*	
			For Class 54 Rating, Add	*1,986.96*	
			For Class 55 Rating, Add	*2,963.77*	
			For Class 56 Rating, Add	*3,927.46*	
40 05 19 00-0280		EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,990.79	1,056.86
			For Class 52 Rating, Deduct	*-1,472.84*	
			For Class 54 Rating, Add	*2,027.64*	
			For Class 55 Rating, Add	*3,024.29*	
			For Class 56 Rating, Add	*4,007.54*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282		EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,494.14	998.71
			For Class 52 Rating, Deduct	*-437.90*	
			For Class 54 Rating, Add	*615.30*	
			For Class 55 Rating, Add	*924.07*	
			For Class 56 Rating, Add	*1,228.85*	
40 05 19 00-0283		EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,813.36	1,003.33
			For Class 52 Rating, Deduct	*-472.25*	
			For Class 54 Rating, Add	*662.22*	
			For Class 55 Rating, Add	*993.86*	
			For Class 56 Rating, Add	*1,321.21*	
40 05 19 00-0284		EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,132.59	1,007.94
			For Class 52 Rating, Deduct	*-506.59*	
			For Class 54 Rating, Add	*709.14*	
			For Class 55 Rating, Add	*1,063.66*	
			For Class 56 Rating, Add	*1,413.57*	
40 05 19 00-0285		EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.81	1,012.55
			For Class 52 Rating, Deduct	*-540.94*	
			For Class 54 Rating, Add	*756.05*	
			For Class 55 Rating, Add	*1,133.45*	
			For Class 56 Rating, Add	*1,505.93*	
40 05 19 00-0286		EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,771.03	1,017.17
			For Class 52 Rating, Deduct	*-575.28*	
			For Class 54 Rating, Add	*802.97*	
			For Class 55 Rating, Add	*1,203.25*	
			For Class 56 Rating, Add	*1,598.29*	
40 05 19 00-0287		EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,090.25	1,021.78
			For Class 52 Rating, Deduct	*-609.63*	
			For Class 54 Rating, Add	*849.89*	
			For Class 55 Rating, Add	*1,273.04*	
			For Class 56 Rating, Add	*1,690.65*	
40 05 19 00-0288		EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,409.47	1,026.40
			For Class 52 Rating, Deduct	*-643.98*	
			For Class 54 Rating, Add	*896.81*	
			For Class 55 Rating, Add	*1,342.84*	
			For Class 56 Rating, Add	*1,783.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,728.69	1,031.02
		For Class 52 Rating, Deduct	*-678.32*	
		For Class 54 Rating, Add	*943.73*	
		For Class 55 Rating, Add	*1,412.63*	
		For Class 56 Rating, Add	*1,875.37*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,047.92	1,035.63
		For Class 52 Rating, Deduct	*-712.67*	
		For Class 54 Rating, Add	*990.65*	
		For Class 55 Rating, Add	*1,482.43*	
		For Class 56 Rating, Add	*1,967.73*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,367.14	1,040.25
		For Class 52 Rating, Deduct	*-747.01*	
		For Class 54 Rating, Add	*1,037.57*	
		For Class 55 Rating, Add	*1,552.22*	
		For Class 56 Rating, Add	*2,060.09*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,686.36	1,044.86
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,084.48*	
		For Class 55 Rating, Add	*1,622.02*	
		For Class 56 Rating, Add	*2,152.45*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,005.59	1,049.48
		For Class 52 Rating, Deduct	*-815.70*	
		For Class 54 Rating, Add	*1,131.40*	
		For Class 55 Rating, Add	*1,691.81*	
		For Class 56 Rating, Add	*2,244.81*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,324.81	1,054.09
		For Class 52 Rating, Deduct	*-850.05*	
		For Class 54 Rating, Add	*1,178.32*	
		For Class 55 Rating, Add	*1,761.61*	
		For Class 56 Rating, Add	*2,337.17*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,644.03	1,058.70
		For Class 52 Rating, Deduct	*-884.39*	
		For Class 54 Rating, Add	*1,225.24*	
		For Class 55 Rating, Add	*1,831.40*	
		For Class 56 Rating, Add	*2,429.53*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,963.26	1,063.33
		For Class 52 Rating, Deduct	*-918.74*	
		For Class 54 Rating, Add	*1,272.16*	
		For Class 55 Rating, Add	*1,901.20*	
		For Class 56 Rating, Add	*2,521.89*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,282.48	1,067.94
		For Class 52 Rating, Deduct	*-953.08*	
		For Class 54 Rating, Add	*1,319.08*	
		For Class 55 Rating, Add	*1,970.99*	
		For Class 56 Rating, Add	*2,614.25*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,601.70	1,072.55
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,365.99*	
		For Class 55 Rating, Add	*2,040.79*	
		For Class 56 Rating, Add	*2,706.61*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,920.93	1,077.17
		For Class 52 Rating, Deduct	*-1,021.77*	
		For Class 54 Rating, Add	*1,412.91*	
		For Class 55 Rating, Add	*2,110.58*	
		For Class 56 Rating, Add	*2,798.97*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,240.14	1,081.78
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,459.83*	
		For Class 55 Rating, Add	*2,180.38*	
		For Class 56 Rating, Add	*2,891.32*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,559.37	1,086.40
		For Class 52 Rating, Deduct	*-1,090.47*	
		For Class 54 Rating, Add	*1,506.75*	
		For Class 55 Rating, Add	*2,250.18*	
		For Class 56 Rating, Add	*2,983.69*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,878.60	1,091.01
		For Class 52 Rating, Deduct	*-1,124.81*	
		For Class 54 Rating, Add	*1,553.67*	
		For Class 55 Rating, Add	*2,319.97*	
		For Class 56 Rating, Add	*3,076.05*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,197.82	1,095.62
		For Class 52 Rating, Deduct	*-1,159.16*	
		For Class 54 Rating, Add	*1,600.59*	
		For Class 55 Rating, Add	*2,389.77*	
		For Class 56 Rating, Add	*3,168.41*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,517.04	1,100.25
		For Class 52 Rating, Deduct	*-1,193.50*	
		For Class 54 Rating, Add	*1,647.51*	
		For Class 55 Rating, Add	*2,459.56*	
		For Class 56 Rating, Add	*3,260.77*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,836.27	1,104.86
		For Class 52 Rating, Deduct	*-1,227.85*	
		For Class 54 Rating, Add	*1,694.42*	
		For Class 55 Rating, Add	*2,529.36*	
		For Class 56 Rating, Add	*3,353.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,155.49	1,109.48
		For Class 52 Rating, Deduct	*-1,262.19*	
		For Class 54 Rating, Add	*1,741.34*	
		For Class 55 Rating, Add	*2,599.15*	
		For Class 56 Rating, Add	*3,445.49*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,474.71	1,114.09
		For Class 52 Rating, Deduct	*-1,296.54*	
		For Class 54 Rating, Add	*1,788.26*	
		For Class 55 Rating, Add	*2,668.95*	
		For Class 56 Rating, Add	*3,537.84*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,793.94	1,118.70
		For Class 52 Rating, Deduct	*-1,330.88*	
		For Class 54 Rating, Add	*1,835.18*	
		For Class 55 Rating, Add	*2,738.74*	
		For Class 56 Rating, Add	*3,630.20*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,113.16	1,123.32
		For Class 52 Rating, Deduct	*-1,365.23*	
		For Class 54 Rating, Add	*1,882.10*	
		For Class 55 Rating, Add	*2,808.54*	
		For Class 56 Rating, Add	*3,722.56*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,432.38	1,127.93
		For Class 52 Rating, Deduct	*-1,399.57*	
		For Class 54 Rating, Add	*1,929.02*	
		For Class 55 Rating, Add	*2,878.33*	
		For Class 56 Rating, Add	*3,814.92*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,751.61	1,132.54
		For Class 52 Rating, Deduct	*-1,433.92*	
		For Class 54 Rating, Add	*1,975.93*	
		For Class 55 Rating, Add	*2,948.13*	
		For Class 56 Rating, Add	*3,907.28*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,070.82	1,137.17
		For Class 52 Rating, Deduct	*-1,468.26*	
		For Class 54 Rating, Add	*2,022.85*	
		For Class 55 Rating, Add	*3,017.92*	
		For Class 56 Rating, Add	*3,999.64*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,390.04	1,141.78
		For Class 52 Rating, Deduct	*-1,502.61*	
		For Class 54 Rating, Add	*2,069.77*	
		For Class 55 Rating, Add	*3,087.72*	
		For Class 56 Rating, Add	*4,092.00*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,709.27	1,146.40
		For Class 52 Rating, Deduct	*-1,536.95*	
		For Class 54 Rating, Add	*2,116.69*	
		For Class 55 Rating, Add	*3,157.51*	
		For Class 56 Rating, Add	*4,184.36*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,028.49	1,151.01
		For Class 52 Rating, Deduct	*-1,571.30*	
		For Class 54 Rating, Add	*2,163.61*	
		For Class 55 Rating, Add	*3,227.31*	
		For Class 56 Rating, Add	*4,276.72*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,347.71	1,155.62
		For Class 52 Rating, Deduct	*-1,605.64*	
		For Class 54 Rating, Add	*2,210.53*	
		For Class 55 Rating, Add	*3,297.10*	
		For Class 56 Rating, Add	*4,369.08*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,666.94	1,160.24
		For Class 52 Rating, Deduct	*-1,639.99*	
		For Class 54 Rating, Add	*2,257.45*	
		For Class 55 Rating, Add	*3,366.90*	
		For Class 56 Rating, Add	*4,461.44*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,986.16	1,164.85
		For Class 52 Rating, Deduct	*-1,674.34*	
		For Class 54 Rating, Add	*2,304.36*	
		For Class 55 Rating, Add	*3,436.69*	
		For Class 56 Rating, Add	*4,553.80*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,305.38	1,169.47
		For Class 52 Rating, Deduct	*-1,708.68*	
		For Class 54 Rating, Add	*2,351.28*	
		For Class 55 Rating, Add	*3,506.49*	
		For Class 56 Rating, Add	*4,646.16*	
40 05 19 00-0320		20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,434.04	1,139.93
		For Class 52 Rating, Deduct	*-517.76*	
		For Class 54 Rating, Add	*726.76*	
		For Class 55 Rating, Add	*1,091.08*	
		For Class 56 Rating, Add	*1,450.70*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.10	1,144.55
		For Class 52 Rating, Deduct	*-557.25*	
		For Class 54 Rating, Add	*780.70*	
		For Class 55 Rating, Add	*1,171.32*	
		For Class 56 Rating, Add	*1,556.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,166.16	1,149.17
		For Class 52 Rating, Deduct	*-596.75*	
		For Class 54 Rating, Add	*834.64*	
		For Class 55 Rating, Add	*1,251.56*	
		For Class 56 Rating, Add	*1,663.06*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,532.22	1,153.78
		For Class 52 Rating, Deduct	*-636.25*	
		For Class 54 Rating, Add	*888.59*	
		For Class 55 Rating, Add	*1,331.80*	
		For Class 56 Rating, Add	*1,769.23*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,898.27	1,158.39
		For Class 52 Rating, Deduct	*-675.74*	
		For Class 54 Rating, Add	*942.53*	
		For Class 55 Rating, Add	*1,412.04*	
		For Class 56 Rating, Add	*1,875.41*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,264.34	1,163.01
		For Class 52 Rating, Deduct	*-715.24*	
		For Class 54 Rating, Add	*996.48*	
		For Class 55 Rating, Add	*1,492.28*	
		For Class 56 Rating, Add	*1,981.59*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,630.39	1,167.62
		For Class 52 Rating, Deduct	*-754.74*	
		For Class 54 Rating, Add	*1,050.42*	
		For Class 55 Rating, Add	*1,572.52*	
		For Class 56 Rating, Add	*2,087.76*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,996.45	1,172.24
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,104.36*	
		For Class 55 Rating, Add	*1,652.76*	
		For Class 56 Rating, Add	*2,193.94*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,362.51	1,176.85
		For Class 52 Rating, Deduct	*-833.73*	
		For Class 54 Rating, Add	*1,158.31*	
		For Class 55 Rating, Add	*1,733.00*	
		For Class 56 Rating, Add	*2,300.11*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,728.57	1,181.47
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,212.25*	
		For Class 55 Rating, Add	*1,813.24*	
		For Class 56 Rating, Add	*2,406.29*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,094.61	1,186.09
		For Class 52 Rating, Deduct	*-912.73*	
		For Class 54 Rating, Add	*1,266.19*	
		For Class 55 Rating, Add	*1,893.48*	
		For Class 56 Rating, Add	*2,512.46*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,460.68	1,190.70
		For Class 52 Rating, Deduct	*-952.22*	
		For Class 54 Rating, Add	*1,320.14*	
		For Class 55 Rating, Add	*1,973.72*	
		For Class 56 Rating, Add	*2,618.64*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,826.73	1,195.31
		For Class 52 Rating, Deduct	*-991.72*	
		For Class 54 Rating, Add	*1,374.08*	
		For Class 55 Rating, Add	*2,053.96*	
		For Class 56 Rating, Add	*2,724.82*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,192.79	1,199.93
		For Class 52 Rating, Deduct	*-1,031.22*	
		For Class 54 Rating, Add	*1,428.02*	
		For Class 55 Rating, Add	*2,134.20*	
		For Class 56 Rating, Add	*2,830.99*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,558.85	1,204.54
		For Class 52 Rating, Deduct	*-1,070.72*	
		For Class 54 Rating, Add	*1,481.97*	
		For Class 55 Rating, Add	*2,214.43*	
		For Class 56 Rating, Add	*2,937.17*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,924.91	1,209.16
		For Class 52 Rating, Deduct	*-1,110.21*	
		For Class 54 Rating, Add	*1,535.91*	
		For Class 55 Rating, Add	*2,294.67*	
		For Class 56 Rating, Add	*3,043.34*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,290.96	1,213.77
		For Class 52 Rating, Deduct	*-1,149.71*	
		For Class 54 Rating, Add	*1,589.86*	
		For Class 55 Rating, Add	*2,374.91*	
		For Class 56 Rating, Add	*3,149.52*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,657.03	1,218.39
		For Class 52 Rating, Deduct	*-1,189.21*	
		For Class 54 Rating, Add	*1,643.80*	
		For Class 55 Rating, Add	*2,455.15*	
		For Class 56 Rating, Add	*3,255.70*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,023.08	1,223.01
		For Class 52 Rating, Deduct	*-1,228.70*	
		For Class 54 Rating, Add	*1,697.74*	
		For Class 55 Rating, Add	*2,535.39*	
		For Class 56 Rating, Add	*3,361.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,389.14	1,227.62
		For Class 52 Rating, Deduct	*-1,268.20*	
		For Class 54 Rating, Add	*1,751.69*	
		For Class 55 Rating, Add	*2,615.63*	
		For Class 56 Rating, Add	*3,468.05*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,755.20	1,232.24
		For Class 52 Rating, Deduct	*-1,307.70*	
		For Class 54 Rating, Add	*1,805.63*	
		For Class 55 Rating, Add	*2,695.87*	
		For Class 56 Rating, Add	*3,574.22*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,121.26	1,236.85
		For Class 52 Rating, Deduct	*-1,347.20*	
		For Class 54 Rating, Add	*1,859.57*	
		For Class 55 Rating, Add	*2,776.11*	
		For Class 56 Rating, Add	*3,680.40*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,487.30	1,241.46
		For Class 52 Rating, Deduct	*-1,386.69*	
		For Class 54 Rating, Add	*1,913.52*	
		For Class 55 Rating, Add	*2,856.35*	
		For Class 56 Rating, Add	*3,786.57*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,853.37	1,246.08
		For Class 52 Rating, Deduct	*-1,426.19*	
		For Class 54 Rating, Add	*1,967.46*	
		For Class 55 Rating, Add	*2,936.59*	
		For Class 56 Rating, Add	*3,892.75*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,219.42	1,250.69
		For Class 52 Rating, Deduct	*-1,465.69*	
		For Class 54 Rating, Add	*2,021.40*	
		For Class 55 Rating, Add	*3,016.83*	
		For Class 56 Rating, Add	*3,998.93*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,585.48	1,255.31
		For Class 52 Rating, Deduct	*-1,505.19*	
		For Class 54 Rating, Add	*2,075.35*	
		For Class 55 Rating, Add	*3,097.07*	
		For Class 56 Rating, Add	*4,105.10*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,951.54	1,259.93
		For Class 52 Rating, Deduct	*-1,544.68*	
		For Class 54 Rating, Add	*2,129.29*	
		For Class 55 Rating, Add	*3,177.31*	
		For Class 56 Rating, Add	*4,211.28*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,317.60	1,264.54
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,183.24*	
		For Class 55 Rating, Add	*3,257.55*	
		For Class 56 Rating, Add	*4,317.46*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,683.65	1,269.16
		For Class 52 Rating, Deduct	*-1,623.68*	
		For Class 54 Rating, Add	*2,237.18*	
		For Class 55 Rating, Add	*3,337.78*	
		For Class 56 Rating, Add	*4,423.63*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,049.72	1,273.77
		For Class 52 Rating, Deduct	*-1,663.17*	
		For Class 54 Rating, Add	*2,291.12*	
		For Class 55 Rating, Add	*3,418.03*	
		For Class 56 Rating, Add	*4,529.81*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,415.77	1,278.38
		For Class 52 Rating, Deduct	*-1,702.67*	
		For Class 54 Rating, Add	*2,345.07*	
		For Class 55 Rating, Add	*3,498.26*	
		For Class 56 Rating, Add	*4,635.98*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,781.83	1,283.00
		For Class 52 Rating, Deduct	*-1,742.17*	
		For Class 54 Rating, Add	*2,399.01*	
		For Class 55 Rating, Add	*3,578.50*	
		For Class 56 Rating, Add	*4,742.16*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,147.89	1,287.61
		For Class 52 Rating, Deduct	*-1,781.66*	
		For Class 54 Rating, Add	*2,452.95*	
		For Class 55 Rating, Add	*3,658.74*	
		For Class 56 Rating, Add	*4,848.33*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,513.95	1,292.24
		For Class 52 Rating, Deduct	*-1,821.16*	
		For Class 54 Rating, Add	*2,506.90*	
		For Class 55 Rating, Add	*3,738.98*	
		For Class 56 Rating, Add	*4,954.51*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,880.00	1,296.85
		For Class 52 Rating, Deduct	*-1,860.66*	
		For Class 54 Rating, Add	*2,560.84*	
		For Class 55 Rating, Add	*3,819.22*	
		For Class 56 Rating, Add	*5,060.69*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,246.06	1,301.46
		For Class 52 Rating, Deduct	*-1,900.16*	
		For Class 54 Rating, Add	*2,614.79*	
		For Class 55 Rating, Add	*3,899.46*	
		For Class 56 Rating, Add	*5,166.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,612.11	1,306.08
		For Class 52 Rating, Deduct	*-1,939.65*	
		For Class 54 Rating, Add	*2,668.73*	
		For Class 55 Rating, Add	*3,979.70*	
		For Class 56 Rating, Add	*5,273.04*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,978.17	1,310.69
		For Class 52 Rating, Deduct	*-1,979.15*	
		For Class 54 Rating, Add	*2,722.67*	
		For Class 55 Rating, Add	*4,059.94*	
		For Class 56 Rating, Add	*5,379.21*	
40 05 19 00-0359		24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,916.98	1,347.61
		For Class 52 Rating, Deduct	*-646.27*	
		For Class 54 Rating, Add	*905.77*	
		For Class 55 Rating, Add	*1,359.16*	
		For Class 56 Rating, Add	*1,806.67*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,368.90	1,352.23
		For Class 52 Rating, Deduct	*-695.21*	
		For Class 54 Rating, Add	*972.60*	
		For Class 55 Rating, Add	*1,458.55*	
		For Class 56 Rating, Add	*1,938.18*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,820.81	1,356.84
		For Class 52 Rating, Deduct	*-744.15*	
		For Class 54 Rating, Add	*1,039.42*	
		For Class 55 Rating, Add	*1,557.93*	
		For Class 56 Rating, Add	*2,069.68*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,272.73	1,361.46
		For Class 52 Rating, Deduct	*-793.09*	
		For Class 54 Rating, Add	*1,106.24*	
		For Class 55 Rating, Add	*1,657.32*	
		For Class 56 Rating, Add	*2,201.19*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,724.66	1,366.08
		For Class 52 Rating, Deduct	*-842.03*	
		For Class 54 Rating, Add	*1,173.07*	
		For Class 55 Rating, Add	*1,756.71*	
		For Class 56 Rating, Add	*2,332.69*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,176.58	1,370.69
		For Class 52 Rating, Deduct	*-890.98*	
		For Class 54 Rating, Add	*1,239.89*	
		For Class 55 Rating, Add	*1,856.09*	
		For Class 56 Rating, Add	*2,464.20*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,628.50	1,375.30
		For Class 52 Rating, Deduct	*-939.92*	
		For Class 54 Rating, Add	*1,306.71*	
		For Class 55 Rating, Add	*1,955.48*	
		For Class 56 Rating, Add	*2,595.71*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,080.42	1,379.92
		For Class 52 Rating, Deduct	*-988.86*	
		For Class 54 Rating, Add	*1,373.53*	
		For Class 55 Rating, Add	*2,054.87*	
		For Class 56 Rating, Add	*2,727.21*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,532.34	1,384.53
		For Class 52 Rating, Deduct	*-1,037.80*	
		For Class 54 Rating, Add	*1,440.36*	
		For Class 55 Rating, Add	*2,154.25*	
		For Class 56 Rating, Add	*2,858.72*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,984.26	1,389.15
		For Class 52 Rating, Deduct	*-1,086.74*	
		For Class 54 Rating, Add	*1,507.18*	
		For Class 55 Rating, Add	*2,253.64*	
		For Class 56 Rating, Add	*2,990.22*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,436.19	1,393.76
		For Class 52 Rating, Deduct	*-1,135.69*	
		For Class 54 Rating, Add	*1,574.00*	
		For Class 55 Rating, Add	*2,353.03*	
		For Class 56 Rating, Add	*3,121.73*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,888.11	1,398.38
		For Class 52 Rating, Deduct	*-1,184.63*	
		For Class 54 Rating, Add	*1,640.83*	
		For Class 55 Rating, Add	*2,452.42*	
		For Class 56 Rating, Add	*3,253.23*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,340.03	1,403.00
		For Class 52 Rating, Deduct	*-1,233.57*	
		For Class 54 Rating, Add	*1,707.65*	
		For Class 55 Rating, Add	*2,551.80*	
		For Class 56 Rating, Add	*3,384.74*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,791.95	1,407.61
		For Class 52 Rating, Deduct	*-1,282.51*	
		For Class 54 Rating, Add	*1,774.47*	
		For Class 55 Rating, Add	*2,651.19*	
		For Class 56 Rating, Add	*3,516.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,243.87	1,412.23
		For Class 52 Rating, Deduct	*-1,331.45*	
		For Class 54 Rating, Add	*1,841.30*	
		For Class 55 Rating, Add	*2,750.57*	
		For Class 56 Rating, Add	*3,647.75*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,695.78	1,416.84
		For Class 52 Rating, Deduct	*-1,380.40*	
		For Class 54 Rating, Add	*1,908.12*	
		For Class 55 Rating, Add	*2,849.96*	
		For Class 56 Rating, Add	*3,779.25*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,147.71	1,421.45
		For Class 52 Rating, Deduct	*-1,429.34*	
		For Class 54 Rating, Add	*1,974.94*	
		For Class 55 Rating, Add	*2,949.35*	
		For Class 56 Rating, Add	*3,910.76*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,599.63	1,426.07
		For Class 52 Rating, Deduct	*-1,478.28*	
		For Class 54 Rating, Add	*2,041.77*	
		For Class 55 Rating, Add	*3,048.74*	
		For Class 56 Rating, Add	*4,042.27*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,051.55	1,430.68
		For Class 52 Rating, Deduct	*-1,527.22*	
		For Class 54 Rating, Add	*2,108.59*	
		For Class 55 Rating, Add	*3,148.12*	
		For Class 56 Rating, Add	*4,173.77*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,503.47	1,435.30
		For Class 52 Rating, Deduct	*-1,576.16*	
		For Class 54 Rating, Add	*2,175.41*	
		For Class 55 Rating, Add	*3,247.51*	
		For Class 56 Rating, Add	*4,305.28*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,955.39	1,439.92
		For Class 52 Rating, Deduct	*-1,625.11*	
		For Class 54 Rating, Add	*2,242.24*	
		For Class 55 Rating, Add	*3,346.90*	
		For Class 56 Rating, Add	*4,436.78*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,407.31	1,444.53
		For Class 52 Rating, Deduct	*-1,674.05*	
		For Class 54 Rating, Add	*2,309.06*	
		For Class 55 Rating, Add	*3,446.28*	
		For Class 56 Rating, Add	*4,568.29*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,859.24	1,449.15
		For Class 52 Rating, Deduct	*-1,722.99*	
		For Class 54 Rating, Add	*2,375.88*	
		For Class 55 Rating, Add	*3,545.67*	
		For Class 56 Rating, Add	*4,699.79*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,311.16	1,453.76
		For Class 52 Rating, Deduct	*-1,771.93*	
		For Class 54 Rating, Add	*2,442.71*	
		For Class 55 Rating, Add	*3,645.06*	
		For Class 56 Rating, Add	*4,831.30*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,763.08	1,458.37
		For Class 52 Rating, Deduct	*-1,820.88*	
		For Class 54 Rating, Add	*2,509.53*	
		For Class 55 Rating, Add	*3,744.44*	
		For Class 56 Rating, Add	*4,962.81*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,215.00	1,462.99
		For Class 52 Rating, Deduct	*-1,869.82*	
		For Class 54 Rating, Add	*2,576.35*	
		For Class 55 Rating, Add	*3,843.83*	
		For Class 56 Rating, Add	*5,094.31*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,666.92	1,467.60
		For Class 52 Rating, Deduct	*-1,918.76*	
		For Class 54 Rating, Add	*2,643.17*	
		For Class 55 Rating, Add	*3,943.22*	
		For Class 56 Rating, Add	*5,225.82*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,118.83	1,472.23
		For Class 52 Rating, Deduct	*-1,967.70*	
		For Class 54 Rating, Add	*2,710.00*	
		For Class 55 Rating, Add	*4,042.60*	
		For Class 56 Rating, Add	*5,357.32*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,570.76	1,476.84
		For Class 52 Rating, Deduct	*-2,016.64*	
		For Class 54 Rating, Add	*2,776.82*	
		For Class 55 Rating, Add	*4,141.99*	
		For Class 56 Rating, Add	*5,488.83*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,141.56	1,559.91
		For Class 52 Rating, Deduct	*-2,065.59*	
		For Class 54 Rating, Add	*2,845.07*	
		For Class 55 Rating, Add	*4,244.23*	
		For Class 56 Rating, Add	*5,624.61*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,593.47	1,564.52
		For Class 52 Rating, Deduct	*-2,114.53*	
		For Class 54 Rating, Add	*2,911.89*	
		For Class 55 Rating, Add	*4,343.62*	
		For Class 56 Rating, Add	*5,756.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,045.39	1,569.14
		For Class 52 Rating, Deduct	*-2,163.47*	
		For Class 54 Rating, Add	*2,978.72*	
		For Class 55 Rating, Add	*4,443.00*	
		For Class 56 Rating, Add	*5,887.62*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,497.32	1,573.75
		For Class 52 Rating, Deduct	*-2,212.41*	
		For Class 54 Rating, Add	*3,045.54*	
		For Class 55 Rating, Add	*4,542.39*	
		For Class 56 Rating, Add	*6,019.13*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,949.24	1,578.37
		For Class 52 Rating, Deduct	*-2,261.35*	
		For Class 54 Rating, Add	*3,112.36*	
		For Class 55 Rating, Add	*4,641.78*	
		For Class 56 Rating, Add	*6,150.64*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,401.16	1,582.99
		For Class 52 Rating, Deduct	*-2,310.30*	
		For Class 54 Rating, Add	*3,179.19*	
		For Class 55 Rating, Add	*4,741.17*	
		For Class 56 Rating, Add	*6,282.14*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,853.08	1,587.60
		For Class 52 Rating, Deduct	*-2,359.24*	
		For Class 54 Rating, Add	*3,246.01*	
		For Class 55 Rating, Add	*4,840.55*	
		For Class 56 Rating, Add	*6,413.65*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,304.99	1,592.22
		For Class 52 Rating, Deduct	*-2,408.18*	
		For Class 54 Rating, Add	*3,312.83*	
		For Class 55 Rating, Add	*4,939.94*	
		For Class 56 Rating, Add	*6,545.15*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,756.92	1,596.83
		For Class 52 Rating, Deduct	*-2,457.12*	
		For Class 54 Rating, Add	*3,379.66*	
		For Class 55 Rating, Add	*5,039.32*	
		For Class 56 Rating, Add	*6,676.66*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,221.84	1,901.42
		For Class 52 Rating, Deduct	*-1,027.50*	
		For Class 54 Rating, Add	*1,435.70*	
		For Class 55 Rating, Add	*2,152.16*	
		For Class 56 Rating, Add	*2,859.28*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,871.51	1,906.05
		For Class 52 Rating, Deduct	*-1,098.19*	
		For Class 54 Rating, Add	*1,532.19*	
		For Class 55 Rating, Add	*2,295.65*	
		For Class 56 Rating, Add	*3,049.12*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,521.18	1,910.66
		For Class 52 Rating, Deduct	*-1,168.89*	
		For Class 54 Rating, Add	*1,628.68*	
		For Class 55 Rating, Add	*2,439.13*	
		For Class 56 Rating, Add	*3,238.96*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,170.85	1,915.27
		For Class 52 Rating, Deduct	*-1,239.58*	
		For Class 54 Rating, Add	*1,725.16*	
		For Class 55 Rating, Add	*2,582.62*	
		For Class 56 Rating, Add	*3,428.80*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,820.51	1,919.89
		For Class 52 Rating, Deduct	*-1,310.27*	
		For Class 54 Rating, Add	*1,821.65*	
		For Class 55 Rating, Add	*2,726.10*	
		For Class 56 Rating, Add	*3,618.64*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,470.18	1,924.50
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,918.13*	
		For Class 55 Rating, Add	*2,869.58*	
		For Class 56 Rating, Add	*3,808.48*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,119.85	1,929.12
		For Class 52 Rating, Deduct	*-1,451.66*	
		For Class 54 Rating, Add	*2,014.62*	
		For Class 55 Rating, Add	*3,013.07*	
		For Class 56 Rating, Add	*3,998.32*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,769.50	1,933.73
		For Class 52 Rating, Deduct	*-1,522.36*	
		For Class 54 Rating, Add	*2,111.10*	
		For Class 55 Rating, Add	*3,156.55*	
		For Class 56 Rating, Add	*4,188.16*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,419.18	1,938.34
		For Class 52 Rating, Deduct	*-1,593.05*	
		For Class 54 Rating, Add	*2,207.59*	
		For Class 55 Rating, Add	*3,300.04*	
		For Class 56 Rating, Add	*4,378.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,068.84	1,942.97
		For Class 52 Rating, Deduct	*-1,663.75*	
		For Class 54 Rating, Add	*2,304.07*	
		For Class 55 Rating, Add	*3,443.52*	
		For Class 56 Rating, Add	*4,567.84*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,718.51	1,947.58
		For Class 52 Rating, Deduct	*-1,734.44*	
		For Class 54 Rating, Add	*2,400.56*	
		For Class 55 Rating, Add	*3,587.00*	
		For Class 56 Rating, Add	*4,757.69*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,368.18	1,952.19
		For Class 52 Rating, Deduct	*-1,805.13*	
		For Class 54 Rating, Add	*2,497.04*	
		For Class 55 Rating, Add	*3,730.49*	
		For Class 56 Rating, Add	*4,947.52*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,017.84	1,956.81
		For Class 52 Rating, Deduct	*-1,875.83*	
		For Class 54 Rating, Add	*2,593.53*	
		For Class 55 Rating, Add	*3,873.97*	
		For Class 56 Rating, Add	*5,137.36*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,667.51	1,961.42
		For Class 52 Rating, Deduct	*-1,946.52*	
		For Class 54 Rating, Add	*2,690.01*	
		For Class 55 Rating, Add	*4,017.46*	
		For Class 56 Rating, Add	*5,327.21*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,317.18	1,966.04
		For Class 52 Rating, Deduct	*-2,017.22*	
		For Class 54 Rating, Add	*2,786.50*	
		For Class 55 Rating, Add	*4,160.94*	
		For Class 56 Rating, Add	*5,517.05*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,966.85	1,970.65
		For Class 52 Rating, Deduct	*-2,087.91*	
		For Class 54 Rating, Add	*2,882.98*	
		For Class 55 Rating, Add	*4,304.43*	
		For Class 56 Rating, Add	*5,706.89*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,616.51	1,975.26
		For Class 52 Rating, Deduct	*-2,158.60*	
		For Class 54 Rating, Add	*2,979.47*	
		For Class 55 Rating, Add	*4,447.91*	
		For Class 56 Rating, Add	*5,896.73*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,266.18	1,979.89
		For Class 52 Rating, Deduct	*-2,229.30*	
		For Class 54 Rating, Add	*3,075.95*	
		For Class 55 Rating, Add	*4,591.39*	
		For Class 56 Rating, Add	*6,086.57*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,915.85	1,984.50
		For Class 52 Rating, Deduct	*-2,299.99*	
		For Class 54 Rating, Add	*3,172.44*	
		For Class 55 Rating, Add	*4,734.88*	
		For Class 56 Rating, Add	*6,276.41*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,565.51	1,989.12
		For Class 52 Rating, Deduct	*-2,370.69*	
		For Class 54 Rating, Add	*3,268.92*	
		For Class 55 Rating, Add	*4,878.36*	
		For Class 56 Rating, Add	*6,466.25*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,215.18	1,993.73
		For Class 52 Rating, Deduct	*-2,441.38*	
		For Class 54 Rating, Add	*3,365.41*	
		For Class 55 Rating, Add	*5,021.85*	
		For Class 56 Rating, Add	*6,656.09*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,864.84	1,998.34
		For Class 52 Rating, Deduct	*-2,512.08*	
		For Class 54 Rating, Add	*3,461.89*	
		For Class 55 Rating, Add	*5,165.33*	
		For Class 56 Rating, Add	*6,845.93*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,514.51	2,002.96
		For Class 52 Rating, Deduct	*-2,582.77*	
		For Class 54 Rating, Add	*3,558.38*	
		For Class 55 Rating, Add	*5,308.81*	
		For Class 56 Rating, Add	*7,035.77*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,164.18	2,007.57
		For Class 52 Rating, Deduct	*-2,653.46*	
		For Class 54 Rating, Add	*3,654.86*	
		For Class 55 Rating, Add	*5,452.30*	
		For Class 56 Rating, Add	*7,225.61*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,811.24	2,012.18
		For Class 52 Rating, Deduct	*-2,723.87*	
		For Class 54 Rating, Add	*3,750.96*	
		For Class 55 Rating, Add	*5,595.20*	
		For Class 56 Rating, Add	*7,414.68*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,463.51	2,016.81
		For Class 52 Rating, Deduct	*-2,794.85*	
		For Class 54 Rating, Add	*3,847.83*	
		For Class 55 Rating, Add	*5,739.27*	
		For Class 56 Rating, Add	*7,605.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,113.18	2,021.42
		For Class 52 Rating, Deduct	*-2,865.55*	
		For Class 54 Rating, Add	*3,944.32*	
		For Class 55 Rating, Add	*5,882.75*	
		For Class 56 Rating, Add	*7,795.13*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,762.85	2,026.04
		For Class 52 Rating, Deduct	*-2,936.24*	
		For Class 54 Rating, Add	*4,040.80*	
		For Class 55 Rating, Add	*6,026.24*	
		For Class 56 Rating, Add	*7,984.98*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,412.51	2,030.65
		For Class 52 Rating, Deduct	*-3,006.93*	
		For Class 54 Rating, Add	*4,137.29*	
		For Class 55 Rating, Add	*6,169.72*	
		For Class 56 Rating, Add	*8,174.81*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,062.19	2,035.26
		For Class 52 Rating, Deduct	*-3,077.63*	
		For Class 54 Rating, Add	*4,233.77*	
		For Class 55 Rating, Add	*6,313.20*	
		For Class 56 Rating, Add	*8,364.66*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,711.85	2,039.88
		For Class 52 Rating, Deduct	*-3,148.32*	
		For Class 54 Rating, Add	*4,330.26*	
		For Class 55 Rating, Add	*6,456.69*	
		For Class 56 Rating, Add	*8,554.50*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,361.51	2,044.49
		For Class 52 Rating, Deduct	*-3,219.02*	
		For Class 54 Rating, Add	*4,426.74*	
		For Class 55 Rating, Add	*6,600.17*	
		For Class 56 Rating, Add	*8,744.34*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,011.18	2,049.11
		For Class 52 Rating, Deduct	*-3,289.71*	
		For Class 54 Rating, Add	*4,523.23*	
		For Class 55 Rating, Add	*6,743.66*	
		For Class 56 Rating, Add	*8,934.18*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,660.84	2,053.73
		For Class 52 Rating, Deduct	*-3,360.41*	
		For Class 54 Rating, Add	*4,619.71*	
		For Class 55 Rating, Add	*6,887.14*	
		For Class 56 Rating, Add	*9,124.02*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,310.51	2,058.34
		For Class 52 Rating, Deduct	*-3,431.10*	
		For Class 54 Rating, Add	*4,716.20*	
		For Class 55 Rating, Add	*7,030.62*	
		For Class 56 Rating, Add	*9,313.86*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,960.18	2,062.96
		For Class 52 Rating, Deduct	*-3,501.79*	
		For Class 54 Rating, Add	*4,812.68*	
		For Class 55 Rating, Add	*7,174.11*	
		For Class 56 Rating, Add	*9,503.70*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,609.85	2,067.57
		For Class 52 Rating, Deduct	*-3,572.49*	
		For Class 54 Rating, Add	*4,909.17*	
		For Class 55 Rating, Add	*7,317.59*	
		For Class 56 Rating, Add	*9,693.54*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,259.51	2,072.18
		For Class 52 Rating, Deduct	*-3,643.18*	
		For Class 54 Rating, Add	*5,005.65*	
		For Class 55 Rating, Add	*7,461.08*	
		For Class 56 Rating, Add	*9,883.38*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,016.19	2,409.09
		For Class 52 Rating, Deduct	*-1,470.27*	
		For Class 54 Rating, Add	*2,048.71*	
		For Class 55 Rating, Add	*3,068.23*	
		For Class 56 Rating, Add	*4,074.39*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,897.44	2,413.71
		For Class 52 Rating, Deduct	*-1,566.43*	
		For Class 54 Rating, Add	*2,179.93*	
		For Class 55 Rating, Add	*3,263.36*	
		For Class 56 Rating, Add	*4,332.55*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,778.67	2,418.32
		For Class 52 Rating, Deduct	*-1,662.60*	
		For Class 54 Rating, Add	*2,311.15*	
		For Class 55 Rating, Add	*3,458.48*	
		For Class 56 Rating, Add	*4,590.70*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,659.91	2,422.94
		For Class 52 Rating, Deduct	*-1,758.77*	
		For Class 54 Rating, Add	*2,442.37*	
		For Class 55 Rating, Add	*3,653.61*	
		For Class 56 Rating, Add	*4,848.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,541.15	2,427.55
		For Class 52 Rating, Deduct	*-1,854.93*	
		For Class 54 Rating, Add	*2,573.59*	
		For Class 55 Rating, Add	*3,848.73*	
		For Class 56 Rating, Add	*5,107.01*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,422.39	2,432.16
		For Class 52 Rating, Deduct	*-1,951.10*	
		For Class 54 Rating, Add	*2,704.81*	
		For Class 55 Rating, Add	*4,043.86*	
		For Class 56 Rating, Add	*5,365.16*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,303.62	2,436.78
		For Class 52 Rating, Deduct	*-2,047.27*	
		For Class 54 Rating, Add	*2,836.03*	
		For Class 55 Rating, Add	*4,238.98*	
		For Class 56 Rating, Add	*5,623.32*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,184.87	2,441.39
		For Class 52 Rating, Deduct	*-2,143.44*	
		For Class 54 Rating, Add	*2,967.26*	
		For Class 55 Rating, Add	*4,434.11*	
		For Class 56 Rating, Add	*5,881.47*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,066.10	2,446.01
		For Class 52 Rating, Deduct	*-2,239.60*	
		For Class 54 Rating, Add	*3,098.48*	
		For Class 55 Rating, Add	*4,629.23*	
		For Class 56 Rating, Add	*6,139.62*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,947.34	2,450.63
		For Class 52 Rating, Deduct	*-2,335.77*	
		For Class 54 Rating, Add	*3,229.70*	
		For Class 55 Rating, Add	*4,824.36*	
		For Class 56 Rating, Add	*6,397.78*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,828.57	2,455.24
		For Class 52 Rating, Deduct	*-2,431.94*	
		For Class 54 Rating, Add	*3,360.92*	
		For Class 55 Rating, Add	*5,019.48*	
		For Class 56 Rating, Add	*6,655.93*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,709.81	2,459.86
		For Class 52 Rating, Deduct	*-2,528.10*	
		For Class 54 Rating, Add	*3,492.14*	
		For Class 55 Rating, Add	*5,214.60*	
		For Class 56 Rating, Add	*6,914.09*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,591.04	2,464.47
		For Class 52 Rating, Deduct	*-2,624.27*	
		For Class 54 Rating, Add	*3,623.36*	
		For Class 55 Rating, Add	*5,409.73*	
		For Class 56 Rating, Add	*7,172.24*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,472.29	2,469.09
		For Class 52 Rating, Deduct	*-2,720.44*	
		For Class 54 Rating, Add	*3,754.58*	
		For Class 55 Rating, Add	*5,604.85*	
		For Class 56 Rating, Add	*7,430.40*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,353.52	2,473.70
		For Class 52 Rating, Deduct	*-2,816.60*	
		For Class 54 Rating, Add	*3,885.80*	
		For Class 55 Rating, Add	*5,799.98*	
		For Class 56 Rating, Add	*7,688.55*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,234.76	2,478.31
		For Class 52 Rating, Deduct	*-2,912.77*	
		For Class 54 Rating, Add	*4,017.02*	
		For Class 55 Rating, Add	*5,995.10*	
		For Class 56 Rating, Add	*7,946.70*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,116.00	2,482.93
		For Class 52 Rating, Deduct	*-3,008.94*	
		For Class 54 Rating, Add	*4,148.24*	
		For Class 55 Rating, Add	*6,190.23*	
		For Class 56 Rating, Add	*8,204.86*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,997.24	2,487.55
		For Class 52 Rating, Deduct	*-3,105.11*	
		For Class 54 Rating, Add	*4,279.46*	
		For Class 55 Rating, Add	*6,385.35*	
		For Class 56 Rating, Add	*8,463.01*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,878.48	2,492.16
		For Class 52 Rating, Deduct	*-3,201.27*	
		For Class 54 Rating, Add	*4,410.68*	
		For Class 55 Rating, Add	*6,580.48*	
		For Class 56 Rating, Add	*8,721.17*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,759.72	2,496.78
		For Class 52 Rating, Deduct	*-3,297.44*	
		For Class 54 Rating, Add	*4,541.90*	
		For Class 55 Rating, Add	*6,775.60*	
		For Class 56 Rating, Add	*8,979.32*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,640.96	2,501.39
		For Class 52 Rating, Deduct	*-3,393.61*	
		For Class 54 Rating, Add	*4,673.13*	
		For Class 55 Rating, Add	*6,970.73*	
		For Class 56 Rating, Add	*9,237.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,522.19	2,506.01
		For Class 52 Rating, Deduct	*-3,489.77*	
		For Class 54 Rating, Add	*4,804.35*	
		For Class 55 Rating, Add	*7,165.85*	
		For Class 56 Rating, Add	*9,495.63*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,403.43	2,510.62
		For Class 52 Rating, Deduct	*-3,585.94*	
		For Class 54 Rating, Add	*4,935.57*	
		For Class 55 Rating, Add	*7,360.97*	
		For Class 56 Rating, Add	*9,753.78*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,284.66	2,515.23
		For Class 52 Rating, Deduct	*-3,682.11*	
		For Class 54 Rating, Add	*5,066.79*	
		For Class 55 Rating, Add	*7,556.10*	
		For Class 56 Rating, Add	*10,011.94*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,165.90	2,519.85
		For Class 52 Rating, Deduct	*-3,778.27*	
		For Class 54 Rating, Add	*5,198.01*	
		For Class 55 Rating, Add	*7,751.22*	
		For Class 56 Rating, Add	*10,270.09*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,047.14	2,524.47
		For Class 52 Rating, Deduct	*-3,874.44*	
		For Class 54 Rating, Add	*5,329.23*	
		For Class 55 Rating, Add	*7,946.35*	
		For Class 56 Rating, Add	*10,528.24*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,928.38	2,529.08
		For Class 52 Rating, Deduct	*-3,970.61*	
		For Class 54 Rating, Add	*5,460.45*	
		For Class 55 Rating, Add	*8,141.47*	
		For Class 56 Rating, Add	*10,786.40*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,809.61	2,533.70
		For Class 52 Rating, Deduct	*-4,066.77*	
		For Class 54 Rating, Add	*5,591.67*	
		For Class 55 Rating, Add	*8,336.60*	
		For Class 56 Rating, Add	*11,044.55*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,690.86	2,538.31
		For Class 52 Rating, Deduct	*-4,162.94*	
		For Class 54 Rating, Add	*5,722.89*	
		For Class 55 Rating, Add	*8,531.72*	
		For Class 56 Rating, Add	*11,302.71*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,572.09	2,542.93
		For Class 52 Rating, Deduct	*-4,259.11*	
		For Class 54 Rating, Add	*5,854.11*	
		For Class 55 Rating, Add	*8,726.84*	
		For Class 56 Rating, Add	*11,560.86*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,453.33	2,547.54
		For Class 52 Rating, Deduct	*-4,355.28*	
		For Class 54 Rating, Add	*5,985.33*	
		For Class 55 Rating, Add	*8,921.97*	
		For Class 56 Rating, Add	*11,819.02*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,334.57	2,552.15
		For Class 52 Rating, Deduct	*-4,451.44*	
		For Class 54 Rating, Add	*6,116.55*	
		For Class 55 Rating, Add	*9,117.09*	
		For Class 56 Rating, Add	*12,077.17*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,215.81	2,556.77
		For Class 52 Rating, Deduct	*-4,547.61*	
		For Class 54 Rating, Add	*6,247.77*	
		For Class 55 Rating, Add	*9,312.22*	
		For Class 56 Rating, Add	*12,335.32*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,097.04	2,561.39
		For Class 52 Rating, Deduct	*-4,643.78*	
		For Class 54 Rating, Add	*6,378.99*	
		For Class 55 Rating, Add	*9,507.34*	
		For Class 56 Rating, Add	*12,593.48*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,978.29	2,566.01
		For Class 52 Rating, Deduct	*-4,739.94*	
		For Class 54 Rating, Add	*6,510.21*	
		For Class 55 Rating, Add	*9,702.47*	
		For Class 56 Rating, Add	*12,851.63*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,859.51	2,570.62
		For Class 52 Rating, Deduct	*-4,836.11*	
		For Class 54 Rating, Add	*6,641.43*	
		For Class 55 Rating, Add	*9,897.59*	
		For Class 56 Rating, Add	*13,109.78*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,740.75	2,575.23
		For Class 52 Rating, Deduct	*-4,932.28*	
		For Class 54 Rating, Add	*6,772.66*	
		For Class 55 Rating, Add	*10,092.72*	
		For Class 56 Rating, Add	*13,367.94*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,621.99	2,579.85
		For Class 52 Rating, Deduct	*-5,028.44*	
		For Class 54 Rating, Add	*6,903.88*	
		For Class 55 Rating, Add	*10,287.84*	
		For Class 56 Rating, Add	*13,626.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,432.08	3,036.75
		For Class 52 Rating, Deduct	*-1,961.41*	
		For Class 54 Rating, Add	*2,729.86*	
		For Class 55 Rating, Add	*4,086.73*	
		For Class 56 Rating, Add	*5,425.77*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,745.24	3,041.36
		For Class 52 Rating, Deduct	*-2,105.08*	
		For Class 54 Rating, Add	*2,925.87*	
		For Class 55 Rating, Add	*4,378.17*	
		For Class 56 Rating, Add	*5,811.34*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,042.78	3,045.98
		For Class 52 Rating, Deduct	*-2,247.04*	
		For Class 54 Rating, Add	*3,119.53*	
		For Class 55 Rating, Add	*4,666.13*	
		For Class 56 Rating, Add	*6,192.31*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,353.34	3,050.59
		For Class 52 Rating, Deduct	*-2,390.44*	
		For Class 54 Rating, Add	*3,315.15*	
		For Class 55 Rating, Add	*4,957.00*	
		For Class 56 Rating, Add	*6,577.11*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,650.89	3,055.20
		For Class 52 Rating, Deduct	*-2,532.40*	
		For Class 54 Rating, Add	*3,508.82*	
		For Class 55 Rating, Add	*5,244.96*	
		For Class 56 Rating, Add	*6,958.08*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,964.04	3,059.82
		For Class 52 Rating, Deduct	*-2,676.07*	
		For Class 54 Rating, Add	*3,704.83*	
		For Class 55 Rating, Add	*5,536.40*	
		For Class 56 Rating, Add	*7,343.64*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,258.98	3,064.43
		For Class 52 Rating, Deduct	*-2,817.75*	
		For Class 54 Rating, Add	*3,898.10*	
		For Class 55 Rating, Add	*5,823.78*	
		For Class 56 Rating, Add	*7,723.84*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,572.15	3,069.05
		For Class 52 Rating, Deduct	*-2,961.43*	
		For Class 54 Rating, Add	*4,094.11*	
		For Class 55 Rating, Add	*6,115.22*	
		For Class 56 Rating, Add	*8,109.41*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,869.69	3,073.67
		For Class 52 Rating, Deduct	*-3,103.39*	
		For Class 54 Rating, Add	*4,287.78*	
		For Class 55 Rating, Add	*6,403.18*	
		For Class 56 Rating, Add	*8,490.38*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,180.25	3,078.28
		For Class 52 Rating, Deduct	*-3,246.78*	
		For Class 54 Rating, Add	*4,483.40*	
		For Class 55 Rating, Add	*6,694.05*	
		For Class 56 Rating, Add	*8,875.18*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,477.79	3,082.90
		For Class 52 Rating, Deduct	*-3,388.74*	
		For Class 54 Rating, Add	*4,677.06*	
		For Class 55 Rating, Add	*6,982.01*	
		For Class 56 Rating, Add	*9,256.14*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,788.33	3,087.51
		For Class 52 Rating, Deduct	*-3,532.13*	
		For Class 54 Rating, Add	*4,872.68*	
		For Class 55 Rating, Add	*7,272.87*	
		For Class 56 Rating, Add	*9,640.94*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,085.89	3,092.12
		For Class 52 Rating, Deduct	*-3,674.09*	
		For Class 54 Rating, Add	*5,066.35*	
		For Class 55 Rating, Add	*7,560.83*	
		For Class 56 Rating, Add	*10,021.91*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,386.03	3,096.74
		For Class 52 Rating, Deduct	*-3,816.34*	
		For Class 54 Rating, Add	*5,260.40*	
		For Class 55 Rating, Add	*7,849.37*	
		For Class 56 Rating, Add	*10,403.64*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,693.98	3,101.35
		For Class 52 Rating, Deduct	*-3,959.45*	
		For Class 54 Rating, Add	*5,455.63*	
		For Class 55 Rating, Add	*8,139.65*	
		For Class 56 Rating, Add	*10,787.68*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,991.53	3,105.98
		For Class 52 Rating, Deduct	*-4,101.41*	
		For Class 54 Rating, Add	*5,649.30*	
		For Class 55 Rating, Add	*8,427.61*	
		For Class 56 Rating, Add	*11,168.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,304.69	3,110.59
		For Class 52 Rating, Deduct	*-4,245.08*	
		For Class 54 Rating, Add	*5,845.31*	
		For Class 55 Rating, Add	*8,719.06*	
		For Class 56 Rating, Add	*11,554.21*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,602.23	3,115.20
		For Class 52 Rating, Deduct	*-4,387.05*	
		For Class 54 Rating, Add	*6,038.97*	
		For Class 55 Rating, Add	*9,007.02*	
		For Class 56 Rating, Add	*11,935.18*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,912.79	3,119.82
		For Class 52 Rating, Deduct	*-4,530.44*	
		For Class 54 Rating, Add	*6,234.59*	
		For Class 55 Rating, Add	*9,297.88*	
		For Class 56 Rating, Add	*12,319.98*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,210.33	3,124.43
		For Class 52 Rating, Deduct	*-4,672.40*	
		For Class 54 Rating, Add	*6,428.26*	
		For Class 55 Rating, Add	*9,585.84*	
		For Class 56 Rating, Add	*12,700.94*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,523.49	3,129.04
		For Class 52 Rating, Deduct	*-4,816.08*	
		For Class 54 Rating, Add	*6,624.27*	
		For Class 55 Rating, Add	*9,877.28*	
		For Class 56 Rating, Add	*13,086.52*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,821.04	3,133.66
		For Class 52 Rating, Deduct	*-4,958.04*	
		For Class 54 Rating, Add	*6,817.93*	
		For Class 55 Rating, Add	*10,165.24*	
		For Class 56 Rating, Add	*13,467.48*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,131.59	3,138.27
		For Class 52 Rating, Deduct	*-5,101.43*	
		For Class 54 Rating, Add	*7,013.55*	
		For Class 55 Rating, Add	*10,456.11*	
		For Class 56 Rating, Add	*13,852.28*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,429.13	3,142.90
		For Class 52 Rating, Deduct	*-5,243.39*	
		For Class 54 Rating, Add	*7,207.22*	
		For Class 55 Rating, Add	*10,744.07*	
		For Class 56 Rating, Add	*14,233.25*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,742.29	3,147.51
		For Class 52 Rating, Deduct	*-5,387.07*	
		For Class 54 Rating, Add	*7,403.23*	
		For Class 55 Rating, Add	*11,035.51*	
		For Class 56 Rating, Add	*14,618.82*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,039.83	3,152.12
		For Class 52 Rating, Deduct	*-5,529.03*	
		For Class 54 Rating, Add	*7,596.89*	
		For Class 55 Rating, Add	*11,323.47*	
		For Class 56 Rating, Add	*14,999.78*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,347.78	3,156.74
		For Class 52 Rating, Deduct	*-5,672.13*	
		For Class 54 Rating, Add	*7,792.12*	
		For Class 55 Rating, Add	*11,613.75*	
		For Class 56 Rating, Add	*15,383.82*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,647.93	3,161.35
		For Class 52 Rating, Deduct	*-5,814.38*	
		For Class 54 Rating, Add	*7,986.18*	
		For Class 55 Rating, Add	*11,902.29*	
		For Class 56 Rating, Add	*15,765.55*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,685.29	3,165.97
		For Class 52 Rating, Deduct	*-5,927.72*	
		For Class 54 Rating, Add	*8,140.82*	
		For Class 55 Rating, Add	*12,132.23*	
		For Class 56 Rating, Add	*16,069.76*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,256.03	3,170.58
		For Class 52 Rating, Deduct	*-6,099.73*	
		For Class 54 Rating, Add	*8,375.46*	
		For Class 55 Rating, Add	*12,481.12*	
		For Class 56 Rating, Add	*16,531.32*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,553.58	3,175.20
		For Class 52 Rating, Deduct	*-6,241.69*	
		For Class 54 Rating, Add	*8,569.13*	
		For Class 55 Rating, Add	*12,769.08*	
		For Class 56 Rating, Add	*16,912.28*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,864.13	3,179.82
		For Class 52 Rating, Deduct	*-6,385.09*	
		For Class 54 Rating, Add	*8,764.75*	
		For Class 55 Rating, Add	*13,059.94*	
		For Class 56 Rating, Add	*17,297.08*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,161.68	3,184.43
		For Class 52 Rating, Deduct	*-6,527.05*	
		For Class 54 Rating, Add	*8,958.42*	
		For Class 55 Rating, Add	*13,347.90*	
		For Class 56 Rating, Add	*17,678.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,474.84	3,189.04
		For Class 52 Rating, Deduct	*-6,670.72*	
		For Class 54 Rating, Add	*9,154.43*	
		For Class 55 Rating, Add	*13,639.34*	
		For Class 56 Rating, Add	*18,063.62*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,769.78	3,193.66
		For Class 52 Rating, Deduct	*-6,812.40*	
		For Class 54 Rating, Add	*9,347.70*	
		For Class 55 Rating, Add	*13,926.72*	
		For Class 56 Rating, Add	*18,443.82*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,082.93	3,198.27
		For Class 52 Rating, Deduct	*-6,956.08*	
		For Class 54 Rating, Add	*9,543.71*	
		For Class 55 Rating, Add	*14,218.17*	
		For Class 56 Rating, Add	*18,829.38*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,380.48	3,202.89
		For Class 52 Rating, Deduct	*-7,098.04*	
		For Class 54 Rating, Add	*9,737.38*	
		For Class 55 Rating, Add	*14,506.13*	
		For Class 56 Rating, Add	*19,210.35*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,691.03	3,207.50
		For Class 52 Rating, Deduct	*-7,241.43*	
		For Class 54 Rating, Add	*9,933.00*	
		For Class 55 Rating, Add	*14,796.99*	
		For Class 56 Rating, Add	*19,595.15*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,138.58	3,816.70
		For Class 52 Rating, Deduct	*-2,459.13*	
		For Class 54 Rating, Add	*3,422.75*	
		For Class 55 Rating, Add	*5,124.11*	
		For Class 56 Rating, Add	*6,803.12*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,047.57	3,821.31
		For Class 52 Rating, Deduct	*-2,668.35*	
		For Class 54 Rating, Add	*3,708.13*	
		For Class 55 Rating, Add	*5,548.42*	
		For Class 56 Rating, Add	*7,364.46*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,953.97	3,825.92
		For Class 52 Rating, Deduct	*-2,877.28*	
		For Class 54 Rating, Add	*3,993.13*	
		For Class 55 Rating, Add	*5,972.16*	
		For Class 56 Rating, Add	*7,925.03*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,875.97	3,830.55
		For Class 52 Rating, Deduct	*-3,087.93*	
		For Class 54 Rating, Add	*4,280.46*	
		For Class 55 Rating, Add	*6,399.37*	
		For Class 56 Rating, Add	*8,490.21*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,784.97	3,835.16
		For Class 52 Rating, Deduct	*-3,297.15*	
		For Class 54 Rating, Add	*4,565.85*	
		For Class 55 Rating, Add	*6,823.69*	
		For Class 56 Rating, Add	*9,051.56*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,693.96	3,839.78
		For Class 52 Rating, Deduct	*-3,506.37*	
		For Class 54 Rating, Add	*4,851.23*	
		For Class 55 Rating, Add	*7,248.00*	
		For Class 56 Rating, Add	*9,612.90*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,613.36	3,844.39
		For Class 52 Rating, Deduct	*-3,716.74*	
		For Class 54 Rating, Add	*5,138.18*	
		For Class 55 Rating, Add	*7,674.64*	
		For Class 56 Rating, Add	*10,177.31*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,524.96	3,849.00
		For Class 52 Rating, Deduct	*-3,926.25*	
		For Class 54 Rating, Add	*5,423.95*	
		For Class 55 Rating, Add	*8,099.53*	
		For Class 56 Rating, Add	*10,739.42*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,431.36	3,853.62
		For Class 52 Rating, Deduct	*-4,135.18*	
		For Class 54 Rating, Add	*5,708.95*	
		For Class 55 Rating, Add	*8,523.27*	
		For Class 56 Rating, Add	*11,300.00*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,353.36	3,858.23
		For Class 52 Rating, Deduct	*-4,345.83*	
		For Class 54 Rating, Add	*5,996.28*	
		For Class 55 Rating, Add	*8,950.48*	
		For Class 56 Rating, Add	*11,865.18*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,262.36	3,862.85
		For Class 52 Rating, Deduct	*-4,555.05*	
		For Class 54 Rating, Add	*6,281.67*	
		For Class 55 Rating, Add	*9,374.80*	
		For Class 56 Rating, Add	*12,426.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,184.37	3,867.47
		For Class 52 Rating, Deduct	*-4,765.70*	
		For Class 54 Rating, Add	*6,569.00*	
		For Class 55 Rating, Add	*9,802.01*	
		For Class 56 Rating, Add	*12,991.70*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,090.76	3,872.08
		For Class 52 Rating, Deduct	*-4,974.64*	
		For Class 54 Rating, Add	*6,854.00*	
		For Class 55 Rating, Add	*10,225.75*	
		For Class 56 Rating, Add	*13,552.28*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,999.76	3,876.70
		For Class 52 Rating, Deduct	*-5,183.86*	
		For Class 54 Rating, Add	*7,139.38*	
		For Class 55 Rating, Add	*10,650.06*	
		For Class 56 Rating, Add	*14,113.62*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,921.77	3,881.31
		For Class 52 Rating, Deduct	*-5,394.51*	
		For Class 54 Rating, Add	*7,426.72*	
		For Class 55 Rating, Add	*11,077.28*	
		For Class 56 Rating, Add	*14,678.80*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,830.76	3,885.92
		For Class 52 Rating, Deduct	*-5,603.73*	
		For Class 54 Rating, Add	*7,712.10*	
		For Class 55 Rating, Add	*11,501.59*	
		For Class 56 Rating, Add	*15,240.14*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,737.15	3,890.54
		For Class 52 Rating, Deduct	*-5,812.66*	
		For Class 54 Rating, Add	*7,997.10*	
		For Class 55 Rating, Add	*11,925.33*	
		For Class 56 Rating, Add	*15,800.72*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,659.16	3,895.15
		For Class 52 Rating, Deduct	*-6,023.32*	
		For Class 54 Rating, Add	*8,284.43*	
		For Class 55 Rating, Add	*12,352.54*	
		For Class 56 Rating, Add	*16,365.90*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,568.15	3,899.77
		For Class 52 Rating, Deduct	*-6,232.54*	
		For Class 54 Rating, Add	*8,569.82*	
		For Class 55 Rating, Add	*12,776.86*	
		For Class 56 Rating, Add	*16,927.24*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,474.54	3,904.39
		For Class 52 Rating, Deduct	*-6,441.47*	
		For Class 54 Rating, Add	*8,854.81*	
		For Class 55 Rating, Add	*13,200.59*	
		For Class 56 Rating, Add	*17,487.82*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,396.55	3,909.00
		For Class 52 Rating, Deduct	*-6,652.12*	
		For Class 54 Rating, Add	*9,142.15*	
		For Class 55 Rating, Add	*13,627.81*	
		For Class 56 Rating, Add	*18,053.00*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,308.15	3,913.62
		For Class 52 Rating, Deduct	*-6,861.63*	
		For Class 54 Rating, Add	*9,427.92*	
		For Class 55 Rating, Add	*14,052.70*	
		For Class 56 Rating, Add	*18,615.11*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,214.54	3,918.23
		For Class 52 Rating, Deduct	*-7,070.56*	
		For Class 54 Rating, Add	*9,712.92*	
		For Class 55 Rating, Add	*14,476.44*	
		For Class 56 Rating, Add	*19,175.68*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,136.55	3,922.85
		For Class 52 Rating, Deduct	*-7,281.21*	
		For Class 54 Rating, Add	*10,000.25*	
		For Class 55 Rating, Add	*14,903.65*	
		For Class 56 Rating, Add	*19,740.86*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,045.55	3,927.46
		For Class 52 Rating, Deduct	*-7,490.43*	
		For Class 54 Rating, Add	*10,285.64*	
		For Class 55 Rating, Add	*15,327.97*	
		For Class 56 Rating, Add	*20,302.21*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,951.94	3,932.07
		For Class 52 Rating, Deduct	*-7,699.37*	
		For Class 54 Rating, Add	*10,570.63*	
		For Class 55 Rating, Add	*15,751.70*	
		For Class 56 Rating, Add	*20,862.78*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,873.95	3,936.69
		For Class 52 Rating, Deduct	*-7,910.02*	
		For Class 54 Rating, Add	*10,857.97*	
		For Class 55 Rating, Add	*16,178.92*	
		For Class 56 Rating, Add	*21,427.96*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,782.95	3,941.31
		For Class 52 Rating, Deduct	*-8,119.24*	
		For Class 54 Rating, Add	*11,143.35*	
		For Class 55 Rating, Add	*16,603.23*	
		For Class 56 Rating, Add	*21,989.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544		EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,457.77	3,945.92
			For Class 52 Rating, Deduct	*-8,302.70*	
			For Class 54 Rating, Add	*11,393.61*	
			For Class 55 Rating, Add	*16,975.33*	
			For Class 56 Rating, Add	*22,481.57*	
40 05 19 00-0545		EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,613.95	3,950.54
			For Class 52 Rating, Deduct	*-8,539.11*	
			For Class 54 Rating, Add	*11,716.07*	
			For Class 55 Rating, Add	*17,454.76*	
			For Class 56 Rating, Add	*23,115.83*	
40 05 19 00-0546		EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,520.33	3,955.15
			For Class 52 Rating, Deduct	*-8,748.04*	
			For Class 54 Rating, Add	*12,001.06*	
			For Class 55 Rating, Add	*17,878.50*	
			For Class 56 Rating, Add	*23,676.40*	
40 05 19 00-0547		EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,444.94	3,959.77
			For Class 52 Rating, Deduct	*-8,958.98*	
			For Class 54 Rating, Add	*12,288.79*	
			For Class 55 Rating, Add	*18,306.29*	
			For Class 56 Rating, Add	*24,242.35*	
40 05 19 00-0548		EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,351.34	3,964.38
			For Class 52 Rating, Deduct	*-9,167.92*	
			For Class 54 Rating, Add	*12,573.78*	
			For Class 55 Rating, Add	*18,730.03*	
			For Class 56 Rating, Add	*24,802.93*	
40 05 19 00-0549		EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	91,257.73	3,968.99
			For Class 52 Rating, Deduct	*-9,376.85*	
			For Class 54 Rating, Add	*12,858.78*	
			For Class 55 Rating, Add	*19,153.76*	
			For Class 56 Rating, Add	*25,363.50*	
40 05 19 00-0550		EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	93,182.34	3,973.62
			For Class 52 Rating, Deduct	*-9,587.79*	
			For Class 54 Rating, Add	*13,146.51*	
			For Class 55 Rating, Add	*19,581.56*	
			For Class 56 Rating, Add	*25,929.45*	
40 05 19 00-0551		EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	95,088.74	3,978.23
			For Class 52 Rating, Deduct	*-9,796.72*	
			For Class 54 Rating, Add	*13,431.50*	
			For Class 55 Rating, Add	*20,005.29*	
			For Class 56 Rating, Add	*26,490.02*	
40 05 19 00-0552		EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	96,997.73	3,982.84
			For Class 52 Rating, Deduct	*-10,005.94*	
			For Class 54 Rating, Add	*13,716.88*	
			For Class 55 Rating, Add	*20,429.61*	
			For Class 56 Rating, Add	*27,051.37*	
40 05 19 00-0553		EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	98,919.74	3,987.46
			For Class 52 Rating, Deduct	*-10,216.60*	
			For Class 54 Rating, Add	*14,004.22*	
			For Class 55 Rating, Add	*20,856.82*	
			For Class 56 Rating, Add	*27,616.55*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556		EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.31	211.19
			For Class 52 Rating, Deduct	*-48.66*	
			For Class 54 Rating, Add	*70.19*	
			For Class 55 Rating, Add	*106.32*	
			For Class 56 Rating, Add	*142.01*	
40 05 19 00-0557		EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	835.55	214.88
			For Class 52 Rating, Deduct	*-56.10*	
			For Class 54 Rating, Add	*80.40*	
			For Class 55 Rating, Add	*121.54*	
			For Class 56 Rating, Add	*162.16*	
40 05 19 00-0558		EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	908.79	218.57
			For Class 52 Rating, Deduct	*-63.54*	
			For Class 54 Rating, Add	*90.62*	
			For Class 55 Rating, Add	*136.76*	
			For Class 56 Rating, Add	*182.32*	
40 05 19 00-0559		EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.05	222.27
			For Class 52 Rating, Deduct	*-70.98*	
			For Class 54 Rating, Add	*100.83*	
			For Class 55 Rating, Add	*151.98*	
			For Class 56 Rating, Add	*202.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.29	225.96
		For Class 52 Rating, Deduct	*-78.42*	
		For Class 54 Rating, Add	*111.05*	
		For Class 55 Rating, Add	*167.20*	
		For Class 56 Rating, Add	*222.64*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.53	229.65
		For Class 52 Rating, Deduct	*-85.86*	
		For Class 54 Rating, Add	*121.26*	
		For Class 55 Rating, Add	*182.42*	
		For Class 56 Rating, Add	*242.80*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,201.78	233.34
		For Class 52 Rating, Deduct	*-93.31*	
		For Class 54 Rating, Add	*131.48*	
		For Class 55 Rating, Add	*197.64*	
		For Class 56 Rating, Add	*262.96*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.02	237.04
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*141.69*	
		For Class 55 Rating, Add	*212.86*	
		For Class 56 Rating, Add	*283.11*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,348.27	240.72
		For Class 52 Rating, Deduct	*-108.19*	
		For Class 54 Rating, Add	*151.91*	
		For Class 55 Rating, Add	*228.08*	
		For Class 56 Rating, Add	*303.27*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,421.51	244.42
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*162.12*	
		For Class 55 Rating, Add	*243.30*	
		For Class 56 Rating, Add	*323.43*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.75	248.11
		For Class 52 Rating, Deduct	*-123.07*	
		For Class 54 Rating, Add	*172.34*	
		For Class 55 Rating, Add	*258.52*	
		For Class 56 Rating, Add	*343.59*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,568.00	251.80
		For Class 52 Rating, Deduct	*-130.51*	
		For Class 54 Rating, Add	*182.55*	
		For Class 55 Rating, Add	*273.74*	
		For Class 56 Rating, Add	*363.75*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.24	255.49
		For Class 52 Rating, Deduct	*-137.95*	
		For Class 54 Rating, Add	*192.76*	
		For Class 55 Rating, Add	*288.96*	
		For Class 56 Rating, Add	*383.90*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,714.48	259.19
		For Class 52 Rating, Deduct	*-145.40*	
		For Class 54 Rating, Add	*202.98*	
		For Class 55 Rating, Add	*304.18*	
		For Class 56 Rating, Add	*404.06*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,787.73	262.88
		For Class 52 Rating, Deduct	*-152.84*	
		For Class 54 Rating, Add	*213.19*	
		For Class 55 Rating, Add	*319.40*	
		For Class 56 Rating, Add	*424.22*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.97	266.57
		For Class 52 Rating, Deduct	*-160.28*	
		For Class 54 Rating, Add	*223.41*	
		For Class 55 Rating, Add	*334.62*	
		For Class 56 Rating, Add	*444.38*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,934.21	270.26
		For Class 52 Rating, Deduct	*-167.72*	
		For Class 54 Rating, Add	*233.62*	
		For Class 55 Rating, Add	*349.84*	
		For Class 56 Rating, Add	*464.54*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.47	273.96
		For Class 52 Rating, Deduct	*-175.16*	
		For Class 54 Rating, Add	*243.84*	
		For Class 55 Rating, Add	*365.06*	
		For Class 56 Rating, Add	*484.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,080.70	277.64
		For Class 52 Rating, Deduct	*-182.60*	
		For Class 54 Rating, Add	*254.05*	
		For Class 55 Rating, Add	*380.28*	
		For Class 56 Rating, Add	*504.85*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,153.94	281.34
		For Class 52 Rating, Deduct	*-190.04*	
		For Class 54 Rating, Add	*264.27*	
		For Class 55 Rating, Add	*395.50*	
		For Class 56 Rating, Add	*525.01*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,227.19	285.03
		For Class 52 Rating, Deduct	*-197.49*	
		For Class 54 Rating, Add	*274.48*	
		For Class 55 Rating, Add	*410.72*	
		For Class 56 Rating, Add	*545.17*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,300.43	288.73
		For Class 52 Rating, Deduct	*-204.93*	
		For Class 54 Rating, Add	*284.70*	
		For Class 55 Rating, Add	*425.94*	
		For Class 56 Rating, Add	*565.32*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,373.67	292.41
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*294.91*	
		For Class 55 Rating, Add	*441.16*	
		For Class 56 Rating, Add	*585.48*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,446.92	296.11
		For Class 52 Rating, Deduct	*-219.81*	
		For Class 54 Rating, Add	*305.12*	
		For Class 55 Rating, Add	*456.38*	
		For Class 56 Rating, Add	*605.64*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.16	299.80
		For Class 52 Rating, Deduct	*-227.25*	
		For Class 54 Rating, Add	*315.34*	
		For Class 55 Rating, Add	*471.60*	
		For Class 56 Rating, Add	*625.80*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,593.40	303.49
		For Class 52 Rating, Deduct	*-234.69*	
		For Class 54 Rating, Add	*325.55*	
		For Class 55 Rating, Add	*486.82*	
		For Class 56 Rating, Add	*645.96*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,666.65	307.18
		For Class 52 Rating, Deduct	*-242.13*	
		For Class 54 Rating, Add	*335.77*	
		For Class 55 Rating, Add	*502.04*	
		For Class 56 Rating, Add	*666.12*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,739.89	310.88
		For Class 52 Rating, Deduct	*-249.58*	
		For Class 54 Rating, Add	*345.98*	
		For Class 55 Rating, Add	*517.26*	
		For Class 56 Rating, Add	*686.27*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.13	314.57
		For Class 52 Rating, Deduct	*-257.02*	
		For Class 54 Rating, Add	*356.20*	
		For Class 55 Rating, Add	*532.48*	
		For Class 56 Rating, Add	*706.43*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.38	318.26
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*366.41*	
		For Class 55 Rating, Add	*547.70*	
		For Class 56 Rating, Add	*726.59*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.62	321.95
		For Class 52 Rating, Deduct	*-271.90*	
		For Class 54 Rating, Add	*376.63*	
		For Class 55 Rating, Add	*562.92*	
		For Class 56 Rating, Add	*746.75*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.87	325.65
		For Class 52 Rating, Deduct	*-279.34*	
		For Class 54 Rating, Add	*386.84*	
		For Class 55 Rating, Add	*578.14*	
		For Class 56 Rating, Add	*766.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.12	329.33
		For Class 52 Rating, Deduct	*-286.78*	
		For Class 54 Rating, Add	*397.06*	
		For Class 55 Rating, Add	*593.36*	
		For Class 56 Rating, Add	*787.06*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,179.36	333.03
		For Class 52 Rating, Deduct	*-294.22*	
		For Class 54 Rating, Add	*407.27*	
		For Class 55 Rating, Add	*608.58*	
		For Class 56 Rating, Add	*807.22*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.60	336.72
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*417.49*	
		For Class 55 Rating, Add	*623.80*	
		For Class 56 Rating, Add	*827.38*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.85	340.41
		For Class 52 Rating, Deduct	*-309.11*	
		For Class 54 Rating, Add	*427.70*	
		For Class 55 Rating, Add	*639.02*	
		For Class 56 Rating, Add	*847.54*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,399.09	344.10
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*437.91*	
		For Class 55 Rating, Add	*654.24*	
		For Class 56 Rating, Add	*867.70*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.33	347.80
		For Class 52 Rating, Deduct	*-323.99*	
		For Class 54 Rating, Add	*448.13*	
		For Class 55 Rating, Add	*669.46*	
		For Class 56 Rating, Add	*887.85*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,545.58	351.49
		For Class 52 Rating, Deduct	*-331.43*	
		For Class 54 Rating, Add	*458.34*	
		For Class 55 Rating, Add	*684.68*	
		For Class 56 Rating, Add	*908.01*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.78	265.83
		For Class 52 Rating, Deduct	*-60.39*	
		For Class 54 Rating, Add	*87.18*	
		For Class 55 Rating, Add	*132.10*	
		For Class 56 Rating, Add	*176.46*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.64	269.53
		For Class 52 Rating, Deduct	*-69.55*	
		For Class 54 Rating, Add	*99.74*	
		For Class 55 Rating, Add	*150.80*	
		For Class 56 Rating, Add	*201.22*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,129.49	273.21
		For Class 52 Rating, Deduct	*-78.71*	
		For Class 54 Rating, Add	*112.30*	
		For Class 55 Rating, Add	*169.50*	
		For Class 56 Rating, Add	*225.98*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,218.34	276.91
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*124.85*	
		For Class 55 Rating, Add	*188.20*	
		For Class 56 Rating, Add	*250.75*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,307.20	280.60
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*137.41*	
		For Class 55 Rating, Add	*206.90*	
		For Class 56 Rating, Add	*275.51*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.06	284.29
		For Class 52 Rating, Deduct	*-106.18*	
		For Class 54 Rating, Add	*149.97*	
		For Class 55 Rating, Add	*225.60*	
		For Class 56 Rating, Add	*300.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,484.91	287.98
		For Class 52 Rating, Deduct	*-115.34*	
		For Class 54 Rating, Add	*162.52*	
		For Class 55 Rating, Add	*244.30*	
		For Class 56 Rating, Add	*325.04*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,573.78	291.68
		For Class 52 Rating, Deduct	*-124.50*	
		For Class 54 Rating, Add	*175.08*	
		For Class 55 Rating, Add	*263.01*	
		For Class 56 Rating, Add	*349.80*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,662.63	295.37
		For Class 52 Rating, Deduct	*-133.66*	
		For Class 54 Rating, Add	*187.64*	
		For Class 55 Rating, Add	*281.71*	
		For Class 56 Rating, Add	*374.57*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.48	299.06
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*200.19*	
		For Class 55 Rating, Add	*300.41*	
		For Class 56 Rating, Add	*399.33*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,840.34	302.75
		For Class 52 Rating, Deduct	*-151.98*	
		For Class 54 Rating, Add	*212.75*	
		For Class 55 Rating, Add	*319.11*	
		For Class 56 Rating, Add	*424.09*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.19	306.45
		For Class 52 Rating, Deduct	*-161.14*	
		For Class 54 Rating, Add	*225.30*	
		For Class 55 Rating, Add	*337.81*	
		For Class 56 Rating, Add	*448.85*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,018.04	310.13
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*237.86*	
		For Class 55 Rating, Add	*356.51*	
		For Class 56 Rating, Add	*473.62*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,106.90	313.83
		For Class 52 Rating, Deduct	*-179.45*	
		For Class 54 Rating, Add	*250.42*	
		For Class 55 Rating, Add	*375.21*	
		For Class 56 Rating, Add	*498.38*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,195.76	317.52
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*262.97*	
		For Class 55 Rating, Add	*393.92*	
		For Class 56 Rating, Add	*523.15*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.61	321.22
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*275.53*	
		For Class 55 Rating, Add	*412.62*	
		For Class 56 Rating, Add	*547.91*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,373.47	324.90
		For Class 52 Rating, Deduct	*-206.93*	
		For Class 54 Rating, Add	*288.09*	
		For Class 55 Rating, Add	*431.32*	
		For Class 56 Rating, Add	*572.67*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.32	328.60
		For Class 52 Rating, Deduct	*-216.09*	
		For Class 54 Rating, Add	*300.64*	
		For Class 55 Rating, Add	*450.02*	
		For Class 56 Rating, Add	*597.44*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,551.17	332.29
		For Class 52 Rating, Deduct	*-225.25*	
		For Class 54 Rating, Add	*313.20*	
		For Class 55 Rating, Add	*468.72*	
		For Class 56 Rating, Add	*622.20*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.04	335.98
		For Class 52 Rating, Deduct	*-234.41*	
		For Class 54 Rating, Add	*325.75*	
		For Class 55 Rating, Add	*487.42*	
		For Class 56 Rating, Add	*646.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,728.89	339.67
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*338.31*	
		For Class 55 Rating, Add	*506.13*	
		For Class 56 Rating, Add	*671.73*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,817.75	343.37
		For Class 52 Rating, Deduct	*-252.73*	
		For Class 54 Rating, Add	*350.87*	
		For Class 55 Rating, Add	*524.83*	
		For Class 56 Rating, Add	*696.49*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,906.61	347.05
		For Class 52 Rating, Deduct	*-261.88*	
		For Class 54 Rating, Add	*363.42*	
		For Class 55 Rating, Add	*543.53*	
		For Class 56 Rating, Add	*721.25*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,995.46	350.75
		For Class 52 Rating, Deduct	*-271.04*	
		For Class 54 Rating, Add	*375.98*	
		For Class 55 Rating, Add	*562.23*	
		For Class 56 Rating, Add	*746.02*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.31	354.44
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*388.54*	
		For Class 55 Rating, Add	*580.93*	
		For Class 56 Rating, Add	*770.78*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,173.17	358.14
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*401.09*	
		For Class 55 Rating, Add	*599.63*	
		For Class 56 Rating, Add	*795.54*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,262.02	361.82
		For Class 52 Rating, Deduct	*-298.52*	
		For Class 54 Rating, Add	*413.65*	
		For Class 55 Rating, Add	*618.33*	
		For Class 56 Rating, Add	*820.31*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.87	365.52
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*426.20*	
		For Class 55 Rating, Add	*637.04*	
		For Class 56 Rating, Add	*845.07*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.74	369.21
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*438.76*	
		For Class 55 Rating, Add	*655.74*	
		For Class 56 Rating, Add	*869.84*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.59	372.90
		For Class 52 Rating, Deduct	*-325.99*	
		For Class 54 Rating, Add	*451.32*	
		For Class 55 Rating, Add	*674.44*	
		For Class 56 Rating, Add	*894.60*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,617.44	376.59
		For Class 52 Rating, Deduct	*-335.15*	
		For Class 54 Rating, Add	*463.87*	
		For Class 55 Rating, Add	*693.14*	
		For Class 56 Rating, Add	*919.36*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,706.30	380.29
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*476.43*	
		For Class 55 Rating, Add	*711.84*	
		For Class 56 Rating, Add	*944.13*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,795.15	383.98
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*488.99*	
		For Class 55 Rating, Add	*730.54*	
		For Class 56 Rating, Add	*968.89*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,884.01	387.67
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*501.54*	
		For Class 55 Rating, Add	*749.25*	
		For Class 56 Rating, Add	*993.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.87	391.36
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*514.10*	
		For Class 55 Rating, Add	*767.95*	
		For Class 56 Rating, Add	*1,018.41*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,061.73	395.06
		For Class 52 Rating, Deduct	*-380.95*	
		For Class 54 Rating, Add	*526.66*	
		For Class 55 Rating, Add	*786.65*	
		For Class 56 Rating, Add	*1,043.18*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,150.58	398.74
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*539.21*	
		For Class 55 Rating, Add	*805.35*	
		For Class 56 Rating, Add	*1,067.94*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,239.44	402.44
		For Class 52 Rating, Deduct	*-399.26*	
		For Class 54 Rating, Add	*551.77*	
		For Class 55 Rating, Add	*824.05*	
		For Class 56 Rating, Add	*1,092.71*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,328.29	406.13
		For Class 52 Rating, Deduct	*-408.42*	
		For Class 54 Rating, Add	*564.33*	
		For Class 55 Rating, Add	*842.75*	
		For Class 56 Rating, Add	*1,117.47*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.05	339.67
		For Class 52 Rating, Deduct	*-88.15*	
		For Class 54 Rating, Add	*126.38*	
		For Class 55 Rating, Add	*191.06*	
		For Class 56 Rating, Add	*254.94*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.13	343.37
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*143.63*	
		For Class 55 Rating, Add	*216.73*	
		For Class 56 Rating, Add	*288.91*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.21	347.05
		For Class 52 Rating, Deduct	*-113.34*	
		For Class 54 Rating, Add	*160.86*	
		For Class 55 Rating, Add	*242.39*	
		For Class 56 Rating, Add	*322.89*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.28	350.75
		For Class 52 Rating, Deduct	*-125.93*	
		For Class 54 Rating, Add	*178.10*	
		For Class 55 Rating, Add	*268.05*	
		For Class 56 Rating, Add	*356.86*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,796.36	354.44
		For Class 52 Rating, Deduct	*-138.53*	
		For Class 54 Rating, Add	*195.34*	
		For Class 55 Rating, Add	*293.72*	
		For Class 56 Rating, Add	*390.84*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.44	358.14
		For Class 52 Rating, Deduct	*-151.12*	
		For Class 54 Rating, Add	*212.58*	
		For Class 55 Rating, Add	*319.38*	
		For Class 56 Rating, Add	*424.81*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,036.52	361.82
		For Class 52 Rating, Deduct	*-163.71*	
		For Class 54 Rating, Add	*229.82*	
		For Class 55 Rating, Add	*345.05*	
		For Class 56 Rating, Add	*458.78*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,156.59	365.52
		For Class 52 Rating, Deduct	*-176.31*	
		For Class 54 Rating, Add	*247.06*	
		For Class 55 Rating, Add	*370.71*	
		For Class 56 Rating, Add	*492.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,276.68	369.21
		For Class 52 Rating, Deduct	*-188.90*	
		For Class 54 Rating, Add	*264.30*	
		For Class 55 Rating, Add	*396.38*	
		For Class 56 Rating, Add	*526.73*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,396.75	372.90
		For Class 52 Rating, Deduct	*-201.49*	
		For Class 54 Rating, Add	*281.54*	
		For Class 55 Rating, Add	*422.04*	
		For Class 56 Rating, Add	*560.71*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,516.83	376.59
		For Class 52 Rating, Deduct	*-214.09*	
		For Class 54 Rating, Add	*298.78*	
		For Class 55 Rating, Add	*447.71*	
		For Class 56 Rating, Add	*594.68*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.91	380.29
		For Class 52 Rating, Deduct	*-226.68*	
		For Class 54 Rating, Add	*316.02*	
		For Class 55 Rating, Add	*473.37*	
		For Class 56 Rating, Add	*628.66*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,756.99	383.98
		For Class 52 Rating, Deduct	*-239.27*	
		For Class 54 Rating, Add	*333.26*	
		For Class 55 Rating, Add	*499.03*	
		For Class 56 Rating, Add	*662.63*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,877.07	387.67
		For Class 52 Rating, Deduct	*-251.87*	
		For Class 54 Rating, Add	*350.50*	
		For Class 55 Rating, Add	*524.70*	
		For Class 56 Rating, Add	*696.60*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.15	391.36
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*367.74*	
		For Class 55 Rating, Add	*550.36*	
		For Class 56 Rating, Add	*730.58*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,117.23	395.06
		For Class 52 Rating, Deduct	*-277.05*	
		For Class 54 Rating, Add	*384.98*	
		For Class 55 Rating, Add	*576.03*	
		For Class 56 Rating, Add	*764.55*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,237.30	398.74
		For Class 52 Rating, Deduct	*-289.65*	
		For Class 54 Rating, Add	*402.22*	
		For Class 55 Rating, Add	*601.69*	
		For Class 56 Rating, Add	*798.53*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.39	402.44
		For Class 52 Rating, Deduct	*-302.24*	
		For Class 54 Rating, Add	*419.46*	
		For Class 55 Rating, Add	*627.36*	
		For Class 56 Rating, Add	*832.50*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,477.46	406.13
		For Class 52 Rating, Deduct	*-314.83*	
		For Class 54 Rating, Add	*436.70*	
		For Class 55 Rating, Add	*653.02*	
		For Class 56 Rating, Add	*866.48*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.54	409.83
		For Class 52 Rating, Deduct	*-327.43*	
		For Class 54 Rating, Add	*453.94*	
		For Class 55 Rating, Add	*678.68*	
		For Class 56 Rating, Add	*900.45*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,717.62	413.51
		For Class 52 Rating, Deduct	*-340.02*	
		For Class 54 Rating, Add	*471.18*	
		For Class 55 Rating, Add	*704.35*	
		For Class 56 Rating, Add	*934.42*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,837.70	417.21
		For Class 52 Rating, Deduct	*-352.61*	
		For Class 54 Rating, Add	*488.42*	
		For Class 55 Rating, Add	*730.01*	
		For Class 56 Rating, Add	*968.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.77	420.90
		For Class 52 Rating, Deduct	*-365.21*	
		For Class 54 Rating, Add	*505.66*	
		For Class 55 Rating, Add	*755.68*	
		For Class 56 Rating, Add	*1,002.37*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,077.85	424.59
		For Class 52 Rating, Deduct	*-377.80*	
		For Class 54 Rating, Add	*522.90*	
		For Class 55 Rating, Add	*781.34*	
		For Class 56 Rating, Add	*1,036.35*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,197.93	428.28
		For Class 52 Rating, Deduct	*-390.39*	
		For Class 54 Rating, Add	*540.14*	
		For Class 55 Rating, Add	*807.01*	
		For Class 56 Rating, Add	*1,070.32*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,318.00	431.98
		For Class 52 Rating, Deduct	*-402.99*	
		For Class 54 Rating, Add	*557.38*	
		For Class 55 Rating, Add	*832.67*	
		For Class 56 Rating, Add	*1,104.29*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,438.09	435.66
		For Class 52 Rating, Deduct	*-415.58*	
		For Class 54 Rating, Add	*574.62*	
		For Class 55 Rating, Add	*858.33*	
		For Class 56 Rating, Add	*1,138.27*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,558.17	439.36
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*591.86*	
		For Class 55 Rating, Add	*884.00*	
		For Class 56 Rating, Add	*1,172.24*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,678.25	443.05
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*609.10*	
		For Class 55 Rating, Add	*909.66*	
		For Class 56 Rating, Add	*1,206.22*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.33	446.75
		For Class 52 Rating, Deduct	*-453.36*	
		For Class 54 Rating, Add	*626.34*	
		For Class 55 Rating, Add	*935.33*	
		For Class 56 Rating, Add	*1,240.19*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,918.41	450.43
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*643.58*	
		For Class 55 Rating, Add	*960.99*	
		For Class 56 Rating, Add	*1,274.17*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,038.48	454.13
		For Class 52 Rating, Deduct	*-478.55*	
		For Class 54 Rating, Add	*660.82*	
		For Class 55 Rating, Add	*986.66*	
		For Class 56 Rating, Add	*1,308.14*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,158.56	457.82
		For Class 52 Rating, Deduct	*-491.14*	
		For Class 54 Rating, Add	*678.06*	
		For Class 55 Rating, Add	*1,012.32*	
		For Class 56 Rating, Add	*1,342.11*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,278.64	461.51
		For Class 52 Rating, Deduct	*-503.73*	
		For Class 54 Rating, Add	*695.30*	
		For Class 55 Rating, Add	*1,037.98*	
		For Class 56 Rating, Add	*1,376.09*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,398.71	465.20
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*712.54*	
		For Class 55 Rating, Add	*1,063.65*	
		For Class 56 Rating, Add	*1,410.06*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,518.80	468.90
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*729.78*	
		For Class 55 Rating, Add	*1,089.31*	
		For Class 56 Rating, Add	*1,444.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,638.87	472.59
		For Class 52 Rating, Deduct	*-541.51*	
		For Class 54 Rating, Add	*747.02*	
		For Class 55 Rating, Add	*1,114.98*	
		For Class 56 Rating, Add	*1,478.01*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,758.95	476.28
		For Class 52 Rating, Deduct	*-554.11*	
		For Class 54 Rating, Add	*764.26*	
		For Class 55 Rating, Add	*1,140.64*	
		For Class 56 Rating, Add	*1,511.99*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,879.03	479.97
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*781.50*	
		For Class 55 Rating, Add	*1,166.30*	
		For Class 56 Rating, Add	*1,545.96*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,651.70	413.51
		For Class 52 Rating, Deduct	*-112.77*	
		For Class 54 Rating, Add	*161.29*	
		For Class 55 Rating, Add	*243.65*	
		For Class 56 Rating, Add	*324.98*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,808.20	417.21
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*184.00*	
		For Class 55 Rating, Add	*277.43*	
		For Class 56 Rating, Add	*369.70*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.70	420.90
		For Class 52 Rating, Deduct	*-145.97*	
		For Class 54 Rating, Add	*206.70*	
		For Class 55 Rating, Add	*311.22*	
		For Class 56 Rating, Add	*414.42*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.21	424.59
		For Class 52 Rating, Deduct	*-162.57*	
		For Class 54 Rating, Add	*229.40*	
		For Class 55 Rating, Add	*345.01*	
		For Class 56 Rating, Add	*459.14*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,277.71	428.28
		For Class 52 Rating, Deduct	*-179.17*	
		For Class 54 Rating, Add	*252.11*	
		For Class 55 Rating, Add	*378.80*	
		For Class 56 Rating, Add	*503.86*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.21	431.98
		For Class 52 Rating, Deduct	*-195.77*	
		For Class 54 Rating, Add	*274.81*	
		For Class 55 Rating, Add	*412.58*	
		For Class 56 Rating, Add	*548.58*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.72	435.66
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*297.51*	
		For Class 55 Rating, Add	*446.37*	
		For Class 56 Rating, Add	*593.30*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,747.24	439.36
		For Class 52 Rating, Deduct	*-228.97*	
		For Class 54 Rating, Add	*320.22*	
		For Class 55 Rating, Add	*480.16*	
		For Class 56 Rating, Add	*638.02*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,903.74	443.05
		For Class 52 Rating, Deduct	*-245.57*	
		For Class 54 Rating, Add	*342.92*	
		For Class 55 Rating, Add	*513.95*	
		For Class 56 Rating, Add	*682.74*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.25	446.75
		For Class 52 Rating, Deduct	*-262.17*	
		For Class 54 Rating, Add	*365.63*	
		For Class 55 Rating, Add	*547.73*	
		For Class 56 Rating, Add	*727.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.75	450.43
		For Class 52 Rating, Deduct	*-278.77*	
		For Class 54 Rating, Add	*388.33*	
		For Class 55 Rating, Add	*581.52*	
		For Class 56 Rating, Add	*772.18*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,373.25	454.13
		For Class 52 Rating, Deduct	*-295.37*	
		For Class 54 Rating, Add	*411.03*	
		For Class 55 Rating, Add	*615.31*	
		For Class 56 Rating, Add	*816.90*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.76	457.82
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*433.74*	
		For Class 55 Rating, Add	*649.10*	
		For Class 56 Rating, Add	*861.62*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,686.26	461.51
		For Class 52 Rating, Deduct	*-328.57*	
		For Class 54 Rating, Add	*456.44*	
		For Class 55 Rating, Add	*682.88*	
		For Class 56 Rating, Add	*906.34*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,842.77	465.20
		For Class 52 Rating, Deduct	*-345.17*	
		For Class 54 Rating, Add	*479.15*	
		For Class 55 Rating, Add	*716.67*	
		For Class 56 Rating, Add	*951.06*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.28	468.90
		For Class 52 Rating, Deduct	*-361.77*	
		For Class 54 Rating, Add	*501.85*	
		For Class 55 Rating, Add	*750.46*	
		For Class 56 Rating, Add	*995.78*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,155.78	472.59
		For Class 52 Rating, Deduct	*-378.37*	
		For Class 54 Rating, Add	*524.55*	
		For Class 55 Rating, Add	*784.25*	
		For Class 56 Rating, Add	*1,040.50*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,312.28	476.28
		For Class 52 Rating, Deduct	*-394.97*	
		For Class 54 Rating, Add	*547.26*	
		For Class 55 Rating, Add	*818.03*	
		For Class 56 Rating, Add	*1,085.22*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.79	479.97
		For Class 52 Rating, Deduct	*-411.57*	
		For Class 54 Rating, Add	*569.96*	
		For Class 55 Rating, Add	*851.82*	
		For Class 56 Rating, Add	*1,129.94*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,625.29	483.67
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*592.66*	
		For Class 55 Rating, Add	*885.61*	
		For Class 56 Rating, Add	*1,174.66*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.79	487.35
		For Class 52 Rating, Deduct	*-444.77*	
		For Class 54 Rating, Add	*615.37*	
		For Class 55 Rating, Add	*919.40*	
		For Class 56 Rating, Add	*1,219.38*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.32	491.05
		For Class 52 Rating, Deduct	*-461.37*	
		For Class 54 Rating, Add	*638.07*	
		For Class 55 Rating, Add	*953.19*	
		For Class 56 Rating, Add	*1,264.10*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,094.82	494.74
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*660.78*	
		For Class 55 Rating, Add	*986.97*	
		For Class 56 Rating, Add	*1,308.82*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,251.32	498.43
		For Class 52 Rating, Deduct	*-494.57*	
		For Class 54 Rating, Add	*683.48*	
		For Class 55 Rating, Add	*1,020.76*	
		For Class 56 Rating, Add	*1,353.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,407.83	502.12
		For Class 52 Rating, Deduct	*-511.17*	
		For Class 54 Rating, Add	*706.18*	
		For Class 55 Rating, Add	*1,054.55*	
		For Class 56 Rating, Add	*1,398.26*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,564.33	505.82
		For Class 52 Rating, Deduct	*-527.77*	
		For Class 54 Rating, Add	*728.89*	
		For Class 55 Rating, Add	*1,088.33*	
		For Class 56 Rating, Add	*1,442.98*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,720.83	509.51
		For Class 52 Rating, Deduct	*-544.37*	
		For Class 54 Rating, Add	*751.59*	
		For Class 55 Rating, Add	*1,122.12*	
		For Class 56 Rating, Add	*1,487.70*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,877.34	513.20
		For Class 52 Rating, Deduct	*-560.97*	
		For Class 54 Rating, Add	*774.29*	
		For Class 55 Rating, Add	*1,155.91*	
		For Class 56 Rating, Add	*1,532.42*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,033.84	516.89
		For Class 52 Rating, Deduct	*-577.57*	
		For Class 54 Rating, Add	*797.00*	
		For Class 55 Rating, Add	*1,189.70*	
		For Class 56 Rating, Add	*1,577.14*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,190.35	520.59
		For Class 52 Rating, Deduct	*-594.17*	
		For Class 54 Rating, Add	*819.70*	
		For Class 55 Rating, Add	*1,223.48*	
		For Class 56 Rating, Add	*1,621.86*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,346.86	524.27
		For Class 52 Rating, Deduct	*-610.78*	
		For Class 54 Rating, Add	*842.41*	
		For Class 55 Rating, Add	*1,257.27*	
		For Class 56 Rating, Add	*1,666.58*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,503.36	527.97
		For Class 52 Rating, Deduct	*-627.38*	
		For Class 54 Rating, Add	*865.11*	
		For Class 55 Rating, Add	*1,291.06*	
		For Class 56 Rating, Add	*1,711.30*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,659.86	531.66
		For Class 52 Rating, Deduct	*-643.98*	
		For Class 54 Rating, Add	*887.81*	
		For Class 55 Rating, Add	*1,324.85*	
		For Class 56 Rating, Add	*1,756.02*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,816.37	535.36
		For Class 52 Rating, Deduct	*-660.58*	
		For Class 54 Rating, Add	*910.52*	
		For Class 55 Rating, Add	*1,358.63*	
		For Class 56 Rating, Add	*1,800.74*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,972.87	539.04
		For Class 52 Rating, Deduct	*-677.18*	
		For Class 54 Rating, Add	*933.22*	
		For Class 55 Rating, Add	*1,392.42*	
		For Class 56 Rating, Add	*1,845.46*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,129.38	542.74
		For Class 52 Rating, Deduct	*-693.78*	
		For Class 54 Rating, Add	*955.93*	
		For Class 55 Rating, Add	*1,426.21*	
		For Class 56 Rating, Add	*1,890.18*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,285.90	546.43
		For Class 52 Rating, Deduct	*-710.38*	
		For Class 54 Rating, Add	*978.63*	
		For Class 55 Rating, Add	*1,460.00*	
		For Class 56 Rating, Add	*1,934.91*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,442.40	550.12
		For Class 52 Rating, Deduct	*-726.98*	
		For Class 54 Rating, Add	*1,001.33*	
		For Class 55 Rating, Add	*1,493.78*	
		For Class 56 Rating, Add	*1,979.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,598.90	553.81
		For Class 52 Rating, Deduct	*-743.58*	
		For Class 54 Rating, Add	*1,024.04*	
		For Class 55 Rating, Add	*1,527.57*	
		For Class 56 Rating, Add	*2,024.35*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,141.37	516.89
		For Class 52 Rating, Deduct	*-149.40*	
		For Class 54 Rating, Add	*213.13*	
		For Class 55 Rating, Add	*321.67*	
		For Class 56 Rating, Add	*428.86*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,336.90	520.59
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*241.69*	
		For Class 55 Rating, Add	*364.17*	
		For Class 56 Rating, Add	*485.10*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,532.44	524.27
		For Class 52 Rating, Deduct	*-191.19*	
		For Class 54 Rating, Add	*270.24*	
		For Class 55 Rating, Add	*406.66*	
		For Class 56 Rating, Add	*541.33*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,727.97	527.97
		For Class 52 Rating, Deduct	*-212.08*	
		For Class 54 Rating, Add	*298.80*	
		For Class 55 Rating, Add	*449.15*	
		For Class 56 Rating, Add	*597.56*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,923.50	531.66
		For Class 52 Rating, Deduct	*-232.98*	
		For Class 54 Rating, Add	*327.36*	
		For Class 55 Rating, Add	*491.64*	
		For Class 56 Rating, Add	*653.80*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,119.04	535.36
		For Class 52 Rating, Deduct	*-253.87*	
		For Class 54 Rating, Add	*355.92*	
		For Class 55 Rating, Add	*534.13*	
		For Class 56 Rating, Add	*710.03*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.57	539.04
		For Class 52 Rating, Deduct	*-274.76*	
		For Class 54 Rating, Add	*384.48*	
		For Class 55 Rating, Add	*576.62*	
		For Class 56 Rating, Add	*766.27*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,510.11	542.74
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*413.03*	
		For Class 55 Rating, Add	*619.11*	
		For Class 56 Rating, Add	*822.50*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,705.65	546.43
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*441.59*	
		For Class 55 Rating, Add	*661.60*	
		For Class 56 Rating, Add	*878.73*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,901.18	550.12
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*470.15*	
		For Class 55 Rating, Add	*704.09*	
		For Class 56 Rating, Add	*934.97*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.71	553.81
		For Class 52 Rating, Deduct	*-358.34*	
		For Class 54 Rating, Add	*498.71*	
		For Class 55 Rating, Add	*746.58*	
		For Class 56 Rating, Add	*991.20*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,292.25	557.51
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*527.27*	
		For Class 55 Rating, Add	*789.07*	
		For Class 56 Rating, Add	*1,047.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,487.78	561.20
		For Class 52 Rating, Deduct	*-400.12*	
		For Class 54 Rating, Add	*555.83*	
		For Class 55 Rating, Add	*831.57*	
		For Class 56 Rating, Add	*1,103.67*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,683.31	564.89
		For Class 52 Rating, Deduct	*-421.02*	
		For Class 54 Rating, Add	*584.38*	
		For Class 55 Rating, Add	*874.06*	
		For Class 56 Rating, Add	*1,159.90*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,878.85	568.58
		For Class 52 Rating, Deduct	*-441.91*	
		For Class 54 Rating, Add	*612.94*	
		For Class 55 Rating, Add	*916.55*	
		For Class 56 Rating, Add	*1,216.13*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,074.38	572.28
		For Class 52 Rating, Deduct	*-462.80*	
		For Class 54 Rating, Add	*641.50*	
		For Class 55 Rating, Add	*959.04*	
		For Class 56 Rating, Add	*1,272.37*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.91	575.96
		For Class 52 Rating, Deduct	*-483.70*	
		For Class 54 Rating, Add	*670.06*	
		For Class 55 Rating, Add	*1,001.53*	
		For Class 56 Rating, Add	*1,328.60*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,465.45	579.66
		For Class 52 Rating, Deduct	*-504.59*	
		For Class 54 Rating, Add	*698.62*	
		For Class 55 Rating, Add	*1,044.02*	
		For Class 56 Rating, Add	*1,384.84*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,660.99	583.35
		For Class 52 Rating, Deduct	*-525.48*	
		For Class 54 Rating, Add	*727.18*	
		For Class 55 Rating, Add	*1,086.51*	
		For Class 56 Rating, Add	*1,441.07*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,856.52	587.04
		For Class 52 Rating, Deduct	*-546.38*	
		For Class 54 Rating, Add	*755.73*	
		For Class 55 Rating, Add	*1,129.00*	
		For Class 56 Rating, Add	*1,497.31*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,052.06	590.73
		For Class 52 Rating, Deduct	*-567.27*	
		For Class 54 Rating, Add	*784.29*	
		For Class 55 Rating, Add	*1,171.49*	
		For Class 56 Rating, Add	*1,553.54*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,247.60	594.43
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*812.85*	
		For Class 55 Rating, Add	*1,213.99*	
		For Class 56 Rating, Add	*1,609.77*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,443.13	598.12
		For Class 52 Rating, Deduct	*-609.06*	
		For Class 54 Rating, Add	*841.41*	
		For Class 55 Rating, Add	*1,256.48*	
		For Class 56 Rating, Add	*1,666.01*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,638.67	601.81
		For Class 52 Rating, Deduct	*-629.95*	
		For Class 54 Rating, Add	*869.97*	
		For Class 55 Rating, Add	*1,298.97*	
		For Class 56 Rating, Add	*1,722.24*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,834.20	605.50
		For Class 52 Rating, Deduct	*-650.84*	
		For Class 54 Rating, Add	*898.52*	
		For Class 55 Rating, Add	*1,341.46*	
		For Class 56 Rating, Add	*1,778.47*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,029.73	609.20
		For Class 52 Rating, Deduct	*-671.74*	
		For Class 54 Rating, Add	*927.08*	
		For Class 55 Rating, Add	*1,383.95*	
		For Class 56 Rating, Add	*1,834.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,225.27	612.88
		For Class 52 Rating, Deduct	*-692.63*	
		For Class 54 Rating, Add	*955.64*	
		For Class 55 Rating, Add	*1,426.44*	
		For Class 56 Rating, Add	*1,890.94*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,420.80	616.58
		For Class 52 Rating, Deduct	*-713.52*	
		For Class 54 Rating, Add	*984.20*	
		For Class 55 Rating, Add	*1,468.93*	
		For Class 56 Rating, Add	*1,947.18*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,616.33	620.27
		For Class 52 Rating, Deduct	*-734.42*	
		For Class 54 Rating, Add	*1,012.76*	
		For Class 55 Rating, Add	*1,511.42*	
		For Class 56 Rating, Add	*2,003.41*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,811.87	623.97
		For Class 52 Rating, Deduct	*-755.31*	
		For Class 54 Rating, Add	*1,041.32*	
		For Class 55 Rating, Add	*1,553.91*	
		For Class 56 Rating, Add	*2,059.64*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,007.40	627.65
		For Class 52 Rating, Deduct	*-776.21*	
		For Class 54 Rating, Add	*1,069.87*	
		For Class 55 Rating, Add	*1,596.40*	
		For Class 56 Rating, Add	*2,115.88*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,202.93	631.35
		For Class 52 Rating, Deduct	*-797.10*	
		For Class 54 Rating, Add	*1,098.43*	
		For Class 55 Rating, Add	*1,638.89*	
		For Class 56 Rating, Add	*2,172.11*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,398.47	635.04
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,126.99*	
		For Class 55 Rating, Add	*1,681.38*	
		For Class 56 Rating, Add	*2,228.34*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,594.00	638.73
		For Class 52 Rating, Deduct	*-838.89*	
		For Class 54 Rating, Add	*1,155.55*	
		For Class 55 Rating, Add	*1,723.88*	
		For Class 56 Rating, Add	*2,284.58*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,789.53	642.42
		For Class 52 Rating, Deduct	*-859.78*	
		For Class 54 Rating, Add	*1,184.11*	
		For Class 55 Rating, Add	*1,766.37*	
		For Class 56 Rating, Add	*2,340.81*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,985.08	646.12
		For Class 52 Rating, Deduct	*-880.67*	
		For Class 54 Rating, Add	*1,212.66*	
		For Class 55 Rating, Add	*1,808.86*	
		For Class 56 Rating, Add	*2,397.05*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,180.61	649.80
		For Class 52 Rating, Deduct	*-901.57*	
		For Class 54 Rating, Add	*1,241.22*	
		For Class 55 Rating, Add	*1,851.35*	
		For Class 56 Rating, Add	*2,453.28*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,376.14	653.50
		For Class 52 Rating, Deduct	*-922.46*	
		For Class 54 Rating, Add	*1,269.78*	
		For Class 55 Rating, Add	*1,893.84*	
		For Class 56 Rating, Add	*2,509.51*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,571.68	657.19
		For Class 52 Rating, Deduct	*-943.35*	
		For Class 54 Rating, Add	*1,298.34*	
		For Class 55 Rating, Add	*1,936.33*	
		For Class 56 Rating, Add	*2,565.75*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,969.30	620.27
		For Class 52 Rating, Deduct	*-223.25*	
		For Class 54 Rating, Add	*315.70*	
		For Class 55 Rating, Add	*475.13*	
		For Class 56 Rating, Add	*632.54*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.47	623.97
		For Class 52 Rating, Deduct	*-248.72*	
		For Class 54 Rating, Add	*350.51*	
		For Class 55 Rating, Add	*526.91*	
		For Class 56 Rating, Add	*701.05*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,443.63	627.65
		For Class 52 Rating, Deduct	*-274.19*	
		For Class 54 Rating, Add	*385.31*	
		For Class 55 Rating, Add	*578.68*	
		For Class 56 Rating, Add	*769.56*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,680.79	631.35
		For Class 52 Rating, Deduct	*-299.66*	
		For Class 54 Rating, Add	*420.11*	
		For Class 55 Rating, Add	*630.46*	
		For Class 56 Rating, Add	*838.08*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,917.96	635.04
		For Class 52 Rating, Deduct	*-325.14*	
		For Class 54 Rating, Add	*454.91*	
		For Class 55 Rating, Add	*682.23*	
		For Class 56 Rating, Add	*906.59*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,155.12	638.73
		For Class 52 Rating, Deduct	*-350.61*	
		For Class 54 Rating, Add	*489.72*	
		For Class 55 Rating, Add	*734.01*	
		For Class 56 Rating, Add	*975.11*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,392.28	642.42
		For Class 52 Rating, Deduct	*-376.08*	
		For Class 54 Rating, Add	*524.52*	
		For Class 55 Rating, Add	*785.78*	
		For Class 56 Rating, Add	*1,043.62*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,629.46	646.12
		For Class 52 Rating, Deduct	*-401.55*	
		For Class 54 Rating, Add	*559.32*	
		For Class 55 Rating, Add	*837.55*	
		For Class 56 Rating, Add	*1,112.14*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,866.62	649.80
		For Class 52 Rating, Deduct	*-427.03*	
		For Class 54 Rating, Add	*594.12*	
		For Class 55 Rating, Add	*889.33*	
		For Class 56 Rating, Add	*1,180.65*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,103.79	653.50
		For Class 52 Rating, Deduct	*-452.50*	
		For Class 54 Rating, Add	*628.93*	
		For Class 55 Rating, Add	*941.11*	
		For Class 56 Rating, Add	*1,249.17*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,340.96	657.19
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*663.73*	
		For Class 55 Rating, Add	*992.88*	
		For Class 56 Rating, Add	*1,317.68*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,578.12	660.89
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*698.53*	
		For Class 55 Rating, Add	*1,044.65*	
		For Class 56 Rating, Add	*1,386.20*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,815.28	664.57
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*733.34*	
		For Class 55 Rating, Add	*1,096.43*	
		For Class 56 Rating, Add	*1,454.71*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,052.45	668.27
		For Class 52 Rating, Deduct	*-554.39*	
		For Class 54 Rating, Add	*768.14*	
		For Class 55 Rating, Add	*1,148.20*	
		For Class 56 Rating, Add	*1,523.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,289.61	671.96
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*802.94*	
		For Class 55 Rating, Add	*1,199.98*	
		For Class 56 Rating, Add	*1,591.74*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,526.77	675.65
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*837.74*	
		For Class 55 Rating, Add	*1,251.75*	
		For Class 56 Rating, Add	*1,660.26*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,763.94	679.34
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*872.55*	
		For Class 55 Rating, Add	*1,303.53*	
		For Class 56 Rating, Add	*1,728.77*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,001.10	683.04
		For Class 52 Rating, Deduct	*-656.28*	
		For Class 54 Rating, Add	*907.35*	
		For Class 55 Rating, Add	*1,355.30*	
		For Class 56 Rating, Add	*1,797.29*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,238.26	686.73
		For Class 52 Rating, Deduct	*-681.75*	
		For Class 54 Rating, Add	*942.15*	
		For Class 55 Rating, Add	*1,407.07*	
		For Class 56 Rating, Add	*1,865.80*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,475.43	690.42
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*976.95*	
		For Class 55 Rating, Add	*1,458.85*	
		For Class 56 Rating, Add	*1,934.31*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,712.60	694.11
		For Class 52 Rating, Deduct	*-732.70*	
		For Class 54 Rating, Add	*1,011.76*	
		For Class 55 Rating, Add	*1,510.63*	
		For Class 56 Rating, Add	*2,002.83*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,949.78	697.81
		For Class 52 Rating, Deduct	*-758.17*	
		For Class 54 Rating, Add	*1,046.56*	
		For Class 55 Rating, Add	*1,562.40*	
		For Class 56 Rating, Add	*2,071.35*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,186.94	701.49
		For Class 52 Rating, Deduct	*-783.65*	
		For Class 54 Rating, Add	*1,081.36*	
		For Class 55 Rating, Add	*1,614.17*	
		For Class 56 Rating, Add	*2,139.86*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,424.10	705.19
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,116.17*	
		For Class 55 Rating, Add	*1,665.95*	
		For Class 56 Rating, Add	*2,208.38*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,661.27	708.88
		For Class 52 Rating, Deduct	*-834.59*	
		For Class 54 Rating, Add	*1,150.97*	
		For Class 55 Rating, Add	*1,717.72*	
		For Class 56 Rating, Add	*2,276.89*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,898.43	712.58
		For Class 52 Rating, Deduct	*-860.06*	
		For Class 54 Rating, Add	*1,185.77*	
		For Class 55 Rating, Add	*1,769.50*	
		For Class 56 Rating, Add	*2,345.40*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,135.59	716.26
		For Class 52 Rating, Deduct	*-885.54*	
		For Class 54 Rating, Add	*1,220.57*	
		For Class 55 Rating, Add	*1,821.27*	
		For Class 56 Rating, Add	*2,413.92*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,372.76	719.96
		For Class 52 Rating, Deduct	*-911.01*	
		For Class 54 Rating, Add	*1,255.38*	
		For Class 55 Rating, Add	*1,873.05*	
		For Class 56 Rating, Add	*2,482.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,609.92	723.65
		For Class 52 Rating, Deduct	*-936.48*	
		For Class 54 Rating, Add	*1,290.18*	
		For Class 55 Rating, Add	*1,924.82*	
		For Class 56 Rating, Add	*2,550.95*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,847.08	727.34
		For Class 52 Rating, Deduct	*-961.96*	
		For Class 54 Rating, Add	*1,324.98*	
		For Class 55 Rating, Add	*1,976.59*	
		For Class 56 Rating, Add	*2,619.46*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,084.25	731.03
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,359.78*	
		For Class 55 Rating, Add	*2,028.37*	
		For Class 56 Rating, Add	*2,687.98*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,321.41	734.73
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,394.59*	
		For Class 55 Rating, Add	*2,080.14*	
		For Class 56 Rating, Add	*2,756.49*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,558.58	738.41
		For Class 52 Rating, Deduct	*-1,038.37*	
		For Class 54 Rating, Add	*1,429.39*	
		For Class 55 Rating, Add	*2,131.92*	
		For Class 56 Rating, Add	*2,825.01*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,795.75	742.11
		For Class 52 Rating, Deduct	*-1,063.85*	
		For Class 54 Rating, Add	*1,464.19*	
		For Class 55 Rating, Add	*2,183.69*	
		For Class 56 Rating, Add	*2,893.52*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,032.91	745.80
		For Class 52 Rating, Deduct	*-1,089.32*	
		For Class 54 Rating, Add	*1,499.00*	
		For Class 55 Rating, Add	*2,235.47*	
		For Class 56 Rating, Add	*2,962.04*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,270.08	749.50
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,533.80*	
		For Class 55 Rating, Add	*2,287.24*	
		For Class 56 Rating, Add	*3,030.55*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,507.25	753.18
		For Class 52 Rating, Deduct	*-1,140.27*	
		For Class 54 Rating, Add	*1,568.60*	
		For Class 55 Rating, Add	*2,339.02*	
		For Class 56 Rating, Add	*3,099.07*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,744.41	756.88
		For Class 52 Rating, Deduct	*-1,165.74*	
		For Class 54 Rating, Add	*1,603.40*	
		For Class 55 Rating, Add	*2,390.79*	
		For Class 56 Rating, Add	*3,167.58*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,475.64	708.88
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*373.12*	
		For Class 55 Rating, Add	*561.33*	
		For Class 56 Rating, Add	*747.13*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.83	712.58
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*413.78*	
		For Class 55 Rating, Add	*621.81*	
		For Class 56 Rating, Add	*827.16*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,028.02	716.26
		For Class 52 Rating, Deduct	*-323.70*	
		For Class 54 Rating, Add	*454.44*	
		For Class 55 Rating, Add	*682.28*	
		For Class 56 Rating, Add	*907.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,304.22	719.96
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*495.10*	
		For Class 55 Rating, Add	*742.76*	
		For Class 56 Rating, Add	*987.21*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,580.41	723.65
		For Class 52 Rating, Deduct	*-383.24*	
		For Class 54 Rating, Add	*535.75*	
		For Class 55 Rating, Add	*803.24*	
		For Class 56 Rating, Add	*1,067.24*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,856.60	727.34
		For Class 52 Rating, Deduct	*-413.00*	
		For Class 54 Rating, Add	*576.41*	
		For Class 55 Rating, Add	*863.72*	
		For Class 56 Rating, Add	*1,147.27*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,132.80	731.03
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*617.07*	
		For Class 55 Rating, Add	*924.20*	
		For Class 56 Rating, Add	*1,227.30*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,408.99	734.73
		For Class 52 Rating, Deduct	*-472.53*	
		For Class 54 Rating, Add	*657.72*	
		For Class 55 Rating, Add	*984.67*	
		For Class 56 Rating, Add	*1,307.33*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,685.18	738.41
		For Class 52 Rating, Deduct	*-502.30*	
		For Class 54 Rating, Add	*698.38*	
		For Class 55 Rating, Add	*1,045.15*	
		For Class 56 Rating, Add	*1,387.36*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,935.36	742.11
		For Class 52 Rating, Deduct	*-529.20*	
		For Class 54 Rating, Add	*735.14*	
		For Class 55 Rating, Add	*1,099.83*	
		For Class 56 Rating, Add	*1,459.71*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,237.57	745.80
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*779.70*	
		For Class 55 Rating, Add	*1,166.11*	
		For Class 56 Rating, Add	*1,547.41*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,513.77	749.50
		For Class 52 Rating, Deduct	*-591.60*	
		For Class 54 Rating, Add	*820.35*	
		For Class 55 Rating, Add	*1,226.59*	
		For Class 56 Rating, Add	*1,627.44*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,789.97	753.18
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*861.01*	
		For Class 55 Rating, Add	*1,287.06*	
		For Class 56 Rating, Add	*1,707.47*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,066.16	756.88
		For Class 52 Rating, Deduct	*-651.13*	
		For Class 54 Rating, Add	*901.67*	
		For Class 55 Rating, Add	*1,347.54*	
		For Class 56 Rating, Add	*1,787.50*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,342.35	760.57
		For Class 52 Rating, Deduct	*-680.90*	
		For Class 54 Rating, Add	*942.32*	
		For Class 55 Rating, Add	*1,408.02*	
		For Class 56 Rating, Add	*1,867.53*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,618.55	764.26
		For Class 52 Rating, Deduct	*-710.66*	
		For Class 54 Rating, Add	*982.98*	
		For Class 55 Rating, Add	*1,468.50*	
		For Class 56 Rating, Add	*1,947.56*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,894.74	767.95
		For Class 52 Rating, Deduct	*-740.43*	
		For Class 54 Rating, Add	*1,023.64*	
		For Class 55 Rating, Add	*1,528.98*	
		For Class 56 Rating, Add	*2,027.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,170.93	771.65
		For Class 52 Rating, Deduct	*-770.19*	
		For Class 54 Rating, Add	*1,064.30*	
		For Class 55 Rating, Add	*1,589.45*	
		For Class 56 Rating, Add	*2,107.61*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,447.13	775.34
		For Class 52 Rating, Deduct	*-799.96*	
		For Class 54 Rating, Add	*1,104.95*	
		For Class 55 Rating, Add	*1,649.93*	
		For Class 56 Rating, Add	*2,187.64*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,723.32	779.03
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,145.61*	
		For Class 55 Rating, Add	*1,710.41*	
		For Class 56 Rating, Add	*2,267.67*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,999.51	782.72
		For Class 52 Rating, Deduct	*-859.49*	
		For Class 54 Rating, Add	*1,186.27*	
		For Class 55 Rating, Add	*1,770.89*	
		For Class 56 Rating, Add	*2,347.70*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,275.71	786.42
		For Class 52 Rating, Deduct	*-889.26*	
		For Class 54 Rating, Add	*1,226.92*	
		For Class 55 Rating, Add	*1,831.37*	
		For Class 56 Rating, Add	*2,427.73*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,551.90	790.10
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,267.58*	
		For Class 55 Rating, Add	*1,891.84*	
		For Class 56 Rating, Add	*2,507.75*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,828.08	793.80
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,308.24*	
		For Class 55 Rating, Add	*1,952.32*	
		For Class 56 Rating, Add	*2,587.78*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,104.28	797.49
		For Class 52 Rating, Deduct	*-978.56*	
		For Class 54 Rating, Add	*1,348.89*	
		For Class 55 Rating, Add	*2,012.80*	
		For Class 56 Rating, Add	*2,667.81*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,380.48	801.18
		For Class 52 Rating, Deduct	*-1,008.32*	
		For Class 54 Rating, Add	*1,389.55*	
		For Class 55 Rating, Add	*2,073.28*	
		For Class 56 Rating, Add	*2,747.84*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,656.67	804.87
		For Class 52 Rating, Deduct	*-1,038.09*	
		For Class 54 Rating, Add	*1,430.21*	
		For Class 55 Rating, Add	*2,133.75*	
		For Class 56 Rating, Add	*2,827.86*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,932.87	808.57
		For Class 52 Rating, Deduct	*-1,067.85*	
		For Class 54 Rating, Add	*1,470.87*	
		For Class 55 Rating, Add	*2,194.23*	
		For Class 56 Rating, Add	*2,907.89*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,209.06	812.26
		For Class 52 Rating, Deduct	*-1,097.62*	
		For Class 54 Rating, Add	*1,511.52*	
		For Class 55 Rating, Add	*2,254.71*	
		For Class 56 Rating, Add	*2,987.92*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,485.25	815.95
		For Class 52 Rating, Deduct	*-1,127.39*	
		For Class 54 Rating, Add	*1,552.18*	
		For Class 55 Rating, Add	*2,315.19*	
		For Class 56 Rating, Add	*3,067.95*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,761.45	819.64
		For Class 52 Rating, Deduct	*-1,157.15*	
		For Class 54 Rating, Add	*1,592.84*	
		For Class 55 Rating, Add	*2,375.67*	
		For Class 56 Rating, Add	*3,147.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,037.64	823.34
		For Class 52 Rating, Deduct	*-1,186.92*	
		For Class 54 Rating, Add	*1,633.49*	
		For Class 55 Rating, Add	*2,436.15*	
		For Class 56 Rating, Add	*3,228.01*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,313.83	827.02
		For Class 52 Rating, Deduct	*-1,216.68*	
		For Class 54 Rating, Add	*1,674.15*	
		For Class 55 Rating, Add	*2,496.62*	
		For Class 56 Rating, Add	*3,308.03*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,590.03	830.72
		For Class 52 Rating, Deduct	*-1,246.45*	
		For Class 54 Rating, Add	*1,714.81*	
		For Class 55 Rating, Add	*2,557.10*	
		For Class 56 Rating, Add	*3,388.06*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,866.22	834.41
		For Class 52 Rating, Deduct	*-1,276.22*	
		For Class 54 Rating, Add	*1,755.47*	
		For Class 55 Rating, Add	*2,617.58*	
		For Class 56 Rating, Add	*3,468.09*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,142.41	838.11
		For Class 52 Rating, Deduct	*-1,305.98*	
		For Class 54 Rating, Add	*1,796.12*	
		For Class 55 Rating, Add	*2,678.06*	
		For Class 56 Rating, Add	*3,548.12*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,418.61	841.79
		For Class 52 Rating, Deduct	*-1,335.75*	
		For Class 54 Rating, Add	*1,836.78*	
		For Class 55 Rating, Add	*2,738.54*	
		For Class 56 Rating, Add	*3,628.15*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,694.80	845.49
		For Class 52 Rating, Deduct	*-1,365.51*	
		For Class 54 Rating, Add	*1,877.44*	
		For Class 55 Rating, Add	*2,799.01*	
		For Class 56 Rating, Add	*3,708.18*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,059.66	798.98
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*441.89*	
		For Class 55 Rating, Add	*664.40*	
		For Class 56 Rating, Add	*884.06*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.48	802.66
		For Class 52 Rating, Deduct	*-347.75*	
		For Class 54 Rating, Add	*488.79*	
		For Class 55 Rating, Add	*734.16*	
		For Class 56 Rating, Add	*976.37*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,695.31	806.36
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*535.70*	
		For Class 55 Rating, Add	*803.93*	
		For Class 56 Rating, Add	*1,068.68*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,013.13	810.05
		For Class 52 Rating, Deduct	*-416.44*	
		For Class 54 Rating, Add	*582.60*	
		For Class 55 Rating, Add	*873.69*	
		For Class 56 Rating, Add	*1,160.99*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,330.95	813.74
		For Class 52 Rating, Deduct	*-450.78*	
		For Class 54 Rating, Add	*629.50*	
		For Class 55 Rating, Add	*943.45*	
		For Class 56 Rating, Add	*1,253.30*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,648.78	817.43
		For Class 52 Rating, Deduct	*-485.13*	
		For Class 54 Rating, Add	*676.40*	
		For Class 55 Rating, Add	*1,013.21*	
		For Class 56 Rating, Add	*1,345.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,966.60	821.13
		For Class 52 Rating, Deduct	*-519.47*	
		For Class 54 Rating, Add	*723.30*	
		For Class 55 Rating, Add	*1,082.97*	
		For Class 56 Rating, Add	*1,437.92*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,284.43	824.82
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*770.20*	
		For Class 55 Rating, Add	*1,152.74*	
		For Class 56 Rating, Add	*1,530.23*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,602.26	828.51
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*817.11*	
		For Class 55 Rating, Add	*1,222.50*	
		For Class 56 Rating, Add	*1,622.54*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,920.09	832.20
		For Class 52 Rating, Deduct	*-622.51*	
		For Class 54 Rating, Add	*864.01*	
		For Class 55 Rating, Add	*1,292.26*	
		For Class 56 Rating, Add	*1,714.85*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,237.91	835.90
		For Class 52 Rating, Deduct	*-656.86*	
		For Class 54 Rating, Add	*910.91*	
		For Class 55 Rating, Add	*1,362.02*	
		For Class 56 Rating, Add	*1,807.16*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,555.74	839.58
		For Class 52 Rating, Deduct	*-691.20*	
		For Class 54 Rating, Add	*957.81*	
		For Class 55 Rating, Add	*1,431.78*	
		For Class 56 Rating, Add	*1,899.47*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,873.56	843.28
		For Class 52 Rating, Deduct	*-725.55*	
		For Class 54 Rating, Add	*1,004.71*	
		For Class 55 Rating, Add	*1,501.54*	
		For Class 56 Rating, Add	*1,991.78*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,191.38	846.97
		For Class 52 Rating, Deduct	*-759.89*	
		For Class 54 Rating, Add	*1,051.61*	
		For Class 55 Rating, Add	*1,571.31*	
		For Class 56 Rating, Add	*2,084.09*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,509.21	850.66
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,098.52*	
		For Class 55 Rating, Add	*1,641.07*	
		For Class 56 Rating, Add	*2,176.40*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,827.03	854.35
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,145.42*	
		For Class 55 Rating, Add	*1,710.83*	
		For Class 56 Rating, Add	*2,268.71*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,144.85	858.05
		For Class 52 Rating, Deduct	*-862.93*	
		For Class 54 Rating, Add	*1,192.32*	
		For Class 55 Rating, Add	*1,780.59*	
		For Class 56 Rating, Add	*2,361.02*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,462.68	861.74
		For Class 52 Rating, Deduct	*-897.27*	
		For Class 54 Rating, Add	*1,239.22*	
		For Class 55 Rating, Add	*1,850.35*	
		For Class 56 Rating, Add	*2,453.32*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,780.50	865.43
		For Class 52 Rating, Deduct	*-931.62*	
		For Class 54 Rating, Add	*1,286.12*	
		For Class 55 Rating, Add	*1,920.11*	
		For Class 56 Rating, Add	*2,545.63*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,098.32	869.12
		For Class 52 Rating, Deduct	*-965.96*	
		For Class 54 Rating, Add	*1,333.02*	
		For Class 55 Rating, Add	*1,989.87*	
		For Class 56 Rating, Add	*2,637.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,416.15	872.82
		For Class 52 Rating, Deduct	*-1,000.31*	
		For Class 54 Rating, Add	*1,379.93*	
		For Class 55 Rating, Add	*2,059.64*	
		For Class 56 Rating, Add	*2,730.25*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,733.97	876.50
		For Class 52 Rating, Deduct	*-1,034.65*	
		For Class 54 Rating, Add	*1,426.83*	
		For Class 55 Rating, Add	*2,129.40*	
		For Class 56 Rating, Add	*2,822.56*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,051.79	880.20
		For Class 52 Rating, Deduct	*-1,069.00*	
		For Class 54 Rating, Add	*1,473.73*	
		For Class 55 Rating, Add	*2,199.16*	
		For Class 56 Rating, Add	*2,914.87*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,369.63	883.89
		For Class 52 Rating, Deduct	*-1,103.34*	
		For Class 54 Rating, Add	*1,520.63*	
		For Class 55 Rating, Add	*2,268.92*	
		For Class 56 Rating, Add	*3,007.18*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,687.45	887.59
		For Class 52 Rating, Deduct	*-1,137.69*	
		For Class 54 Rating, Add	*1,567.53*	
		For Class 55 Rating, Add	*2,338.68*	
		For Class 56 Rating, Add	*3,099.49*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,005.27	891.27
		For Class 52 Rating, Deduct	*-1,172.03*	
		For Class 54 Rating, Add	*1,614.43*	
		For Class 55 Rating, Add	*2,408.44*	
		For Class 56 Rating, Add	*3,191.80*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,323.10	894.97
		For Class 52 Rating, Deduct	*-1,206.38*	
		For Class 54 Rating, Add	*1,661.34*	
		For Class 55 Rating, Add	*2,478.21*	
		For Class 56 Rating, Add	*3,284.11*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,640.92	898.66
		For Class 52 Rating, Deduct	*-1,240.73*	
		For Class 54 Rating, Add	*1,708.24*	
		For Class 55 Rating, Add	*2,547.97*	
		For Class 56 Rating, Add	*3,376.42*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,958.74	902.35
		For Class 52 Rating, Deduct	*-1,275.07*	
		For Class 54 Rating, Add	*1,755.14*	
		For Class 55 Rating, Add	*2,617.73*	
		For Class 56 Rating, Add	*3,468.73*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,276.57	906.04
		For Class 52 Rating, Deduct	*-1,309.42*	
		For Class 54 Rating, Add	*1,802.04*	
		For Class 55 Rating, Add	*2,687.49*	
		For Class 56 Rating, Add	*3,561.04*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,594.39	909.74
		For Class 52 Rating, Deduct	*-1,343.76*	
		For Class 54 Rating, Add	*1,848.94*	
		For Class 55 Rating, Add	*2,757.25*	
		For Class 56 Rating, Add	*3,653.34*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,912.21	913.42
		For Class 52 Rating, Deduct	*-1,378.11*	
		For Class 54 Rating, Add	*1,895.84*	
		For Class 55 Rating, Add	*2,827.01*	
		For Class 56 Rating, Add	*3,745.65*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,230.05	917.12
		For Class 52 Rating, Deduct	*-1,412.45*	
		For Class 54 Rating, Add	*1,942.75*	
		For Class 55 Rating, Add	*2,896.78*	
		For Class 56 Rating, Add	*3,837.97*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,547.87	920.81
		For Class 52 Rating, Deduct	*-1,446.80*	
		For Class 54 Rating, Add	*1,989.65*	
		For Class 55 Rating, Add	*2,966.54*	
		For Class 56 Rating, Add	*3,930.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,865.69	924.51
		For Class 52 Rating, Deduct	*-1,481.14*	
		For Class 54 Rating, Add	*2,036.55*	
		For Class 55 Rating, Add	*3,036.30*	
		For Class 56 Rating, Add	*4,022.58*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,183.52	928.19
		For Class 52 Rating, Deduct	*-1,515.49*	
		For Class 54 Rating, Add	*2,083.45*	
		For Class 55 Rating, Add	*3,106.06*	
		For Class 56 Rating, Add	*4,114.89*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,501.34	931.89
		For Class 52 Rating, Deduct	*-1,549.83*	
		For Class 54 Rating, Add	*2,130.35*	
		For Class 55 Rating, Add	*3,175.82*	
		For Class 56 Rating, Add	*4,207.20*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,819.17	935.58
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,177.25*	
		For Class 55 Rating, Add	*3,245.58*	
		For Class 56 Rating, Add	*4,299.51*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,709.60	911.95
		For Class 52 Rating, Deduct	*-366.06*	
		For Class 54 Rating, Add	*515.76*	
		For Class 55 Rating, Add	*775.27*	
		For Class 56 Rating, Add	*1,031.46*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,074.25	915.63
		For Class 52 Rating, Deduct	*-405.56*	
		For Class 54 Rating, Add	*569.69*	
		For Class 55 Rating, Add	*855.48*	
		For Class 56 Rating, Add	*1,137.59*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,438.92	919.33
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*623.61*	
		For Class 55 Rating, Add	*935.69*	
		For Class 56 Rating, Add	*1,243.71*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,803.57	923.02
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*677.54*	
		For Class 55 Rating, Add	*1,015.89*	
		For Class 56 Rating, Add	*1,349.84*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.23	926.72
		For Class 52 Rating, Deduct	*-524.05*	
		For Class 54 Rating, Add	*731.47*	
		For Class 55 Rating, Add	*1,096.10*	
		For Class 56 Rating, Add	*1,455.96*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,532.89	930.40
		For Class 52 Rating, Deduct	*-563.55*	
		For Class 54 Rating, Add	*785.39*	
		For Class 55 Rating, Add	*1,176.30*	
		For Class 56 Rating, Add	*1,562.09*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,897.55	934.10
		For Class 52 Rating, Deduct	*-603.05*	
		For Class 54 Rating, Add	*839.32*	
		For Class 55 Rating, Add	*1,256.51*	
		For Class 56 Rating, Add	*1,668.21*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,262.20	937.79
		For Class 52 Rating, Deduct	*-642.54*	
		For Class 54 Rating, Add	*893.25*	
		For Class 55 Rating, Add	*1,336.71*	
		For Class 56 Rating, Add	*1,774.34*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,626.87	941.48
		For Class 52 Rating, Deduct	*-682.04*	
		For Class 54 Rating, Add	*947.17*	
		For Class 55 Rating, Add	*1,416.92*	
		For Class 56 Rating, Add	*1,880.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,991.52	945.17
		For Class 52 Rating, Deduct	*-721.54*	
		For Class 54 Rating, Add	*1,001.10*	
		For Class 55 Rating, Add	*1,497.13*	
		For Class 56 Rating, Add	*1,986.59*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,356.18	948.87
		For Class 52 Rating, Deduct	*-761.04*	
		For Class 54 Rating, Add	*1,055.03*	
		For Class 55 Rating, Add	*1,577.33*	
		For Class 56 Rating, Add	*2,092.72*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,720.84	952.55
		For Class 52 Rating, Deduct	*-800.53*	
		For Class 54 Rating, Add	*1,108.95*	
		For Class 55 Rating, Add	*1,657.54*	
		For Class 56 Rating, Add	*2,198.84*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,085.51	956.25
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,162.88*	
		For Class 55 Rating, Add	*1,737.74*	
		For Class 56 Rating, Add	*2,304.97*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,450.16	959.94
		For Class 52 Rating, Deduct	*-879.53*	
		For Class 54 Rating, Add	*1,216.81*	
		For Class 55 Rating, Add	*1,817.95*	
		For Class 56 Rating, Add	*2,411.09*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,814.83	963.64
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,270.74*	
		For Class 55 Rating, Add	*1,898.16*	
		For Class 56 Rating, Add	*2,517.22*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,179.48	967.32
		For Class 52 Rating, Deduct	*-958.52*	
		For Class 54 Rating, Add	*1,324.66*	
		For Class 55 Rating, Add	*1,978.36*	
		For Class 56 Rating, Add	*2,623.34*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,544.14	971.02
		For Class 52 Rating, Deduct	*-998.02*	
		For Class 54 Rating, Add	*1,378.59*	
		For Class 55 Rating, Add	*2,058.57*	
		For Class 56 Rating, Add	*2,729.47*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,908.80	974.71
		For Class 52 Rating, Deduct	*-1,037.52*	
		For Class 54 Rating, Add	*1,432.52*	
		For Class 55 Rating, Add	*2,138.77*	
		For Class 56 Rating, Add	*2,835.59*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,273.45	978.40
		For Class 52 Rating, Deduct	*-1,077.01*	
		For Class 54 Rating, Add	*1,486.44*	
		For Class 55 Rating, Add	*2,218.98*	
		For Class 56 Rating, Add	*2,941.72*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,638.11	982.09
		For Class 52 Rating, Deduct	*-1,116.51*	
		For Class 54 Rating, Add	*1,540.37*	
		For Class 55 Rating, Add	*2,299.18*	
		For Class 56 Rating, Add	*3,047.85*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,002.77	985.79
		For Class 52 Rating, Deduct	*-1,156.01*	
		For Class 54 Rating, Add	*1,594.30*	
		For Class 55 Rating, Add	*2,379.39*	
		For Class 56 Rating, Add	*3,153.97*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,367.43	989.48
		For Class 52 Rating, Deduct	*-1,195.50*	
		For Class 54 Rating, Add	*1,648.22*	
		For Class 55 Rating, Add	*2,459.59*	
		For Class 56 Rating, Add	*3,260.10*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,732.08	993.17
		For Class 52 Rating, Deduct	*-1,235.00*	
		For Class 54 Rating, Add	*1,702.15*	
		For Class 55 Rating, Add	*2,539.80*	
		For Class 56 Rating, Add	*3,366.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,096.75	996.86
		For Class 52 Rating, Deduct	*-1,274.50*	
		For Class 54 Rating, Add	*1,756.08*	
		For Class 55 Rating, Add	*2,620.01*	
		For Class 56 Rating, Add	*3,472.35*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,461.40	1,000.56
		For Class 52 Rating, Deduct	*-1,314.00*	
		For Class 54 Rating, Add	*1,810.00*	
		For Class 55 Rating, Add	*2,700.21*	
		For Class 56 Rating, Add	*3,578.47*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,826.07	1,004.24
		For Class 52 Rating, Deduct	*-1,353.49*	
		For Class 54 Rating, Add	*1,863.93*	
		For Class 55 Rating, Add	*2,780.42*	
		For Class 56 Rating, Add	*3,684.60*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,190.73	1,007.94
		For Class 52 Rating, Deduct	*-1,392.99*	
		For Class 54 Rating, Add	*1,917.86*	
		For Class 55 Rating, Add	*2,860.62*	
		For Class 56 Rating, Add	*3,790.72*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,555.39	1,011.63
		For Class 52 Rating, Deduct	*-1,432.49*	
		For Class 54 Rating, Add	*1,971.78*	
		For Class 55 Rating, Add	*2,940.83*	
		For Class 56 Rating, Add	*3,896.85*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,920.04	1,015.33
		For Class 52 Rating, Deduct	*-1,471.98*	
		For Class 54 Rating, Add	*2,025.71*	
		For Class 55 Rating, Add	*3,021.03*	
		For Class 56 Rating, Add	*4,002.97*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,284.71	1,019.01
		For Class 52 Rating, Deduct	*-1,511.48*	
		For Class 54 Rating, Add	*2,079.64*	
		For Class 55 Rating, Add	*3,101.24*	
		For Class 56 Rating, Add	*4,109.10*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,649.36	1,022.71
		For Class 52 Rating, Deduct	*-1,550.98*	
		For Class 54 Rating, Add	*2,133.56*	
		For Class 55 Rating, Add	*3,181.44*	
		For Class 56 Rating, Add	*4,215.23*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,014.02	1,026.40
		For Class 52 Rating, Deduct	*-1,590.48*	
		For Class 54 Rating, Add	*2,187.49*	
		For Class 55 Rating, Add	*3,261.65*	
		For Class 56 Rating, Add	*4,321.35*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,378.68	1,030.09
		For Class 52 Rating, Deduct	*-1,629.97*	
		For Class 54 Rating, Add	*2,241.42*	
		For Class 55 Rating, Add	*3,341.86*	
		For Class 56 Rating, Add	*4,427.48*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,743.34	1,033.78
		For Class 52 Rating, Deduct	*-1,669.47*	
		For Class 54 Rating, Add	*2,295.35*	
		For Class 55 Rating, Add	*3,422.06*	
		For Class 56 Rating, Add	*4,533.60*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,107.99	1,037.48
		For Class 52 Rating, Deduct	*-1,708.97*	
		For Class 54 Rating, Add	*2,349.27*	
		For Class 55 Rating, Add	*3,502.27*	
		For Class 56 Rating, Add	*4,639.73*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,472.66	1,041.17
		For Class 52 Rating, Deduct	*-1,748.46*	
		For Class 54 Rating, Add	*2,403.20*	
		For Class 55 Rating, Add	*3,582.47*	
		For Class 56 Rating, Add	*4,745.85*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,837.31	1,044.86
		For Class 52 Rating, Deduct	*-1,787.96*	
		For Class 54 Rating, Add	*2,457.13*	
		For Class 55 Rating, Add	*3,662.68*	
		For Class 56 Rating, Add	*4,851.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,201.97	1,048.55
		For Class 52 Rating, Deduct	*-1,827.46*	
		For Class 54 Rating, Add	*2,511.05*	
		For Class 55 Rating, Add	*3,742.89*	
		For Class 56 Rating, Add	*4,958.11*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,838.17	1,078.10
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*650.31*	
		For Class 55 Rating, Add	*976.85*	
		For Class 56 Rating, Add	*1,299.19*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.69	1,081.78
		For Class 52 Rating, Deduct	*-511.46*	
		For Class 54 Rating, Add	*717.11*	
		For Class 55 Rating, Add	*1,076.20*	
		For Class 56 Rating, Add	*1,430.65*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,739.22	1,085.48
		For Class 52 Rating, Deduct	*-560.40*	
		For Class 54 Rating, Add	*783.92*	
		For Class 55 Rating, Add	*1,175.56*	
		For Class 56 Rating, Add	*1,562.10*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,189.74	1,089.17
		For Class 52 Rating, Deduct	*-609.34*	
		For Class 54 Rating, Add	*850.73*	
		For Class 55 Rating, Add	*1,274.91*	
		For Class 56 Rating, Add	*1,693.56*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,640.26	1,092.86
		For Class 52 Rating, Deduct	*-658.29*	
		For Class 54 Rating, Add	*917.53*	
		For Class 55 Rating, Add	*1,374.27*	
		For Class 56 Rating, Add	*1,825.01*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,090.78	1,096.55
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*984.34*	
		For Class 55 Rating, Add	*1,473.62*	
		For Class 56 Rating, Add	*1,956.47*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,541.30	1,100.25
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,051.14*	
		For Class 55 Rating, Add	*1,572.97*	
		For Class 56 Rating, Add	*2,087.92*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,991.82	1,103.93
		For Class 52 Rating, Deduct	*-805.11*	
		For Class 54 Rating, Add	*1,117.95*	
		For Class 55 Rating, Add	*1,672.32*	
		For Class 56 Rating, Add	*2,219.38*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,442.36	1,107.63
		For Class 52 Rating, Deduct	*-854.05*	
		For Class 54 Rating, Add	*1,184.76*	
		For Class 55 Rating, Add	*1,771.68*	
		For Class 56 Rating, Add	*2,350.83*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,892.88	1,111.32
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,251.56*	
		For Class 55 Rating, Add	*1,871.03*	
		For Class 56 Rating, Add	*2,482.29*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,343.40	1,115.02
		For Class 52 Rating, Deduct	*-951.94*	
		For Class 54 Rating, Add	*1,318.37*	
		For Class 55 Rating, Add	*1,970.39*	
		For Class 56 Rating, Add	*2,613.75*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,793.92	1,118.70
		For Class 52 Rating, Deduct	*-1,000.88*	
		For Class 54 Rating, Add	*1,385.18*	
		For Class 55 Rating, Add	*2,069.74*	
		For Class 56 Rating, Add	*2,745.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,244.44	1,122.40
		For Class 52 Rating, Deduct	*-1,049.82*	
		For Class 54 Rating, Add	*1,451.98*	
		For Class 55 Rating, Add	*2,169.09*	
		For Class 56 Rating, Add	*2,876.65*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,694.96	1,126.09
		For Class 52 Rating, Deduct	*-1,098.76*	
		For Class 54 Rating, Add	*1,518.79*	
		For Class 55 Rating, Add	*2,268.44*	
		For Class 56 Rating, Add	*3,008.11*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,145.49	1,129.78
		For Class 52 Rating, Deduct	*-1,147.71*	
		For Class 54 Rating, Add	*1,585.60*	
		For Class 55 Rating, Add	*2,367.80*	
		For Class 56 Rating, Add	*3,139.57*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,596.01	1,133.47
		For Class 52 Rating, Deduct	*-1,196.65*	
		For Class 54 Rating, Add	*1,652.40*	
		For Class 55 Rating, Add	*2,467.15*	
		For Class 56 Rating, Add	*3,271.02*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,046.53	1,137.17
		For Class 52 Rating, Deduct	*-1,245.59*	
		For Class 54 Rating, Add	*1,719.21*	
		For Class 55 Rating, Add	*2,566.51*	
		For Class 56 Rating, Add	*3,402.48*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,497.05	1,140.86
		For Class 52 Rating, Deduct	*-1,294.53*	
		For Class 54 Rating, Add	*1,786.01*	
		For Class 55 Rating, Add	*2,665.86*	
		For Class 56 Rating, Add	*3,533.93*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,947.57	1,144.55
		For Class 52 Rating, Deduct	*-1,343.48*	
		For Class 54 Rating, Add	*1,852.82*	
		For Class 55 Rating, Add	*2,765.21*	
		For Class 56 Rating, Add	*3,665.39*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,398.09	1,148.24
		For Class 52 Rating, Deduct	*-1,392.42*	
		For Class 54 Rating, Add	*1,919.63*	
		For Class 55 Rating, Add	*2,864.56*	
		For Class 56 Rating, Add	*3,796.84*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,848.62	1,151.94
		For Class 52 Rating, Deduct	*-1,441.36*	
		For Class 54 Rating, Add	*1,986.43*	
		For Class 55 Rating, Add	*2,963.92*	
		For Class 56 Rating, Add	*3,928.30*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,299.14	1,155.62
		For Class 52 Rating, Deduct	*-1,490.30*	
		For Class 54 Rating, Add	*2,053.24*	
		For Class 55 Rating, Add	*3,063.27*	
		For Class 56 Rating, Add	*4,059.75*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,749.68	1,159.32
		For Class 52 Rating, Deduct	*-1,539.24*	
		For Class 54 Rating, Add	*2,120.05*	
		For Class 55 Rating, Add	*3,162.63*	
		For Class 56 Rating, Add	*4,191.21*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,200.19	1,163.01
		For Class 52 Rating, Deduct	*-1,588.19*	
		For Class 54 Rating, Add	*2,186.85*	
		For Class 55 Rating, Add	*3,261.98*	
		For Class 56 Rating, Add	*4,322.66*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,650.71	1,166.71
		For Class 52 Rating, Deduct	*-1,637.13*	
		For Class 54 Rating, Add	*2,253.66*	
		For Class 55 Rating, Add	*3,361.33*	
		For Class 56 Rating, Add	*4,454.12*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,101.24	1,170.39
		For Class 52 Rating, Deduct	*-1,686.07*	
		For Class 54 Rating, Add	*2,320.47*	
		For Class 55 Rating, Add	*3,460.68*	
		For Class 56 Rating, Add	*4,585.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,551.76	1,174.09
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,387.27*	
		For Class 55 Rating, Add	*3,560.04*	
		For Class 56 Rating, Add	*4,717.03*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,002.28	1,177.78
		For Class 52 Rating, Deduct	*-1,783.95*	
		For Class 54 Rating, Add	*2,454.08*	
		For Class 55 Rating, Add	*3,659.39*	
		For Class 56 Rating, Add	*4,848.48*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,452.81	1,181.47
		For Class 52 Rating, Deduct	*-1,832.90*	
		For Class 54 Rating, Add	*2,520.89*	
		For Class 55 Rating, Add	*3,758.74*	
		For Class 56 Rating, Add	*4,979.94*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,998.42	1,247.93
		For Class 52 Rating, Deduct	*-1,881.84*	
		For Class 54 Rating, Add	*2,588.83*	
		For Class 55 Rating, Add	*3,860.38*	
		For Class 56 Rating, Add	*5,114.82*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,448.94	1,251.62
		For Class 52 Rating, Deduct	*-1,930.78*	
		For Class 54 Rating, Add	*2,655.64*	
		For Class 55 Rating, Add	*3,959.73*	
		For Class 56 Rating, Add	*5,246.27*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,899.46	1,255.31
		For Class 52 Rating, Deduct	*-1,979.72*	
		For Class 54 Rating, Add	*2,722.45*	
		For Class 55 Rating, Add	*4,059.09*	
		For Class 56 Rating, Add	*5,377.73*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,349.99	1,259.00
		For Class 52 Rating, Deduct	*-2,028.67*	
		For Class 54 Rating, Add	*2,789.25*	
		For Class 55 Rating, Add	*4,158.44*	
		For Class 56 Rating, Add	*5,509.18*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,800.52	1,262.70
		For Class 52 Rating, Deduct	*-2,077.61*	
		For Class 54 Rating, Add	*2,856.06*	
		For Class 55 Rating, Add	*4,257.79*	
		For Class 56 Rating, Add	*5,640.64*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,251.04	1,266.39
		For Class 52 Rating, Deduct	*-2,126.55*	
		For Class 54 Rating, Add	*2,922.87*	
		For Class 55 Rating, Add	*4,357.15*	
		For Class 56 Rating, Add	*5,772.10*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,701.56	1,270.08
		For Class 52 Rating, Deduct	*-2,175.49*	
		For Class 54 Rating, Add	*2,989.67*	
		For Class 55 Rating, Add	*4,456.50*	
		For Class 56 Rating, Add	*5,903.55*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,152.08	1,273.77
		For Class 52 Rating, Deduct	*-2,224.43*	
		For Class 54 Rating, Add	*3,056.48*	
		For Class 55 Rating, Add	*4,555.85*	
		For Class 56 Rating, Add	*6,035.00*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,602.60	1,277.47
		For Class 52 Rating, Deduct	*-2,273.38*	
		For Class 54 Rating, Add	*3,123.28*	
		For Class 55 Rating, Add	*4,655.21*	
		For Class 56 Rating, Add	*6,166.46*	
40 05 19 00-0950		30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,017.71	1,521.14
		For Class 52 Rating, Deduct	*-738.42*	
		For Class 54 Rating, Add	*1,034.60*	
		For Class 55 Rating, Add	*1,552.30*	
		For Class 56 Rating, Add	*2,063.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.99	1,524.83
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,131.07*	
		For Class 55 Rating, Add	*1,695.75*	
		For Class 56 Rating, Add	*2,253.08*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,314.25	1,528.53
		For Class 52 Rating, Deduct	*-879.81*	
		For Class 54 Rating, Add	*1,227.54*	
		For Class 55 Rating, Add	*1,839.20*	
		For Class 56 Rating, Add	*2,442.87*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,962.52	1,532.22
		For Class 52 Rating, Deduct	*-950.51*	
		For Class 54 Rating, Add	*1,324.01*	
		For Class 55 Rating, Add	*1,982.66*	
		For Class 56 Rating, Add	*2,632.66*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,610.79	1,535.91
		For Class 52 Rating, Deduct	*-1,021.20*	
		For Class 54 Rating, Add	*1,420.47*	
		For Class 55 Rating, Add	*2,126.11*	
		For Class 56 Rating, Add	*2,822.45*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,259.05	1,539.60
		For Class 52 Rating, Deduct	*-1,091.90*	
		For Class 54 Rating, Add	*1,516.94*	
		For Class 55 Rating, Add	*2,269.55*	
		For Class 56 Rating, Add	*3,012.24*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,907.32	1,543.30
		For Class 52 Rating, Deduct	*-1,162.59*	
		For Class 54 Rating, Add	*1,613.41*	
		For Class 55 Rating, Add	*2,413.01*	
		For Class 56 Rating, Add	*3,202.03*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,555.59	1,546.98
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,709.88*	
		For Class 55 Rating, Add	*2,556.46*	
		For Class 56 Rating, Add	*3,391.82*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,203.86	1,550.68
		For Class 52 Rating, Deduct	*-1,303.98*	
		For Class 54 Rating, Add	*1,806.35*	
		For Class 55 Rating, Add	*2,699.91*	
		For Class 56 Rating, Add	*3,581.62*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,852.12	1,554.37
		For Class 52 Rating, Deduct	*-1,374.67*	
		For Class 54 Rating, Add	*1,902.81*	
		For Class 55 Rating, Add	*2,843.36*	
		For Class 56 Rating, Add	*3,771.40*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,500.40	1,558.06
		For Class 52 Rating, Deduct	*-1,445.37*	
		For Class 54 Rating, Add	*1,999.28*	
		For Class 55 Rating, Add	*2,986.81*	
		For Class 56 Rating, Add	*3,961.20*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,148.66	1,561.75
		For Class 52 Rating, Deduct	*-1,516.06*	
		For Class 54 Rating, Add	*2,095.75*	
		For Class 55 Rating, Add	*3,130.26*	
		For Class 56 Rating, Add	*4,150.99*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,796.92	1,565.45
		For Class 52 Rating, Deduct	*-1,586.75*	
		For Class 54 Rating, Add	*2,192.22*	
		For Class 55 Rating, Add	*3,273.71*	
		For Class 56 Rating, Add	*4,340.77*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,445.20	1,569.14
		For Class 52 Rating, Deduct	*-1,657.45*	
		For Class 54 Rating, Add	*2,288.69*	
		For Class 55 Rating, Add	*3,417.16*	
		For Class 56 Rating, Add	*4,530.57*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,093.47	1,572.83
		For Class 52 Rating, Deduct	*-1,728.14*	
		For Class 54 Rating, Add	*2,385.16*	
		For Class 55 Rating, Add	*3,560.61*	
		For Class 56 Rating, Add	*4,720.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,741.74	1,576.52
		For Class 52 Rating, Deduct	*-1,798.84*	
		For Class 54 Rating, Add	*2,481.62*	
		For Class 55 Rating, Add	*3,704.06*	
		For Class 56 Rating, Add	*4,910.15*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,390.01	1,580.22
		For Class 52 Rating, Deduct	*-1,869.53*	
		For Class 54 Rating, Add	*2,578.09*	
		For Class 55 Rating, Add	*3,847.51*	
		For Class 56 Rating, Add	*5,099.94*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,038.28	1,583.90
		For Class 52 Rating, Deduct	*-1,940.23*	
		For Class 54 Rating, Add	*2,674.56*	
		For Class 55 Rating, Add	*3,990.96*	
		For Class 56 Rating, Add	*5,289.73*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,686.54	1,587.60
		For Class 52 Rating, Deduct	*-2,010.92*	
		For Class 54 Rating, Add	*2,771.03*	
		For Class 55 Rating, Add	*4,134.41*	
		For Class 56 Rating, Add	*5,479.52*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,334.81	1,591.29
		For Class 52 Rating, Deduct	*-2,081.61*	
		For Class 54 Rating, Add	*2,867.50*	
		For Class 55 Rating, Add	*4,277.86*	
		For Class 56 Rating, Add	*5,669.31*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,983.08	1,594.99
		For Class 52 Rating, Deduct	*-2,152.31*	
		For Class 54 Rating, Add	*2,963.97*	
		For Class 55 Rating, Add	*4,421.32*	
		For Class 56 Rating, Add	*5,859.10*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,631.34	1,598.67
		For Class 52 Rating, Deduct	*-2,223.00*	
		For Class 54 Rating, Add	*3,060.43*	
		For Class 55 Rating, Add	*4,564.77*	
		For Class 56 Rating, Add	*6,048.89*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,279.62	1,602.37
		For Class 52 Rating, Deduct	*-2,293.70*	
		For Class 54 Rating, Add	*3,156.90*	
		For Class 55 Rating, Add	*4,708.22*	
		For Class 56 Rating, Add	*6,238.68*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,927.88	1,606.06
		For Class 52 Rating, Deduct	*-2,364.39*	
		For Class 54 Rating, Add	*3,253.37*	
		For Class 55 Rating, Add	*4,851.67*	
		For Class 56 Rating, Add	*6,428.47*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,576.15	1,609.75
		For Class 52 Rating, Deduct	*-2,435.09*	
		For Class 54 Rating, Add	*3,349.84*	
		For Class 55 Rating, Add	*4,995.12*	
		For Class 56 Rating, Add	*6,618.26*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,224.42	1,613.44
		For Class 52 Rating, Deduct	*-2,505.78*	
		For Class 54 Rating, Add	*3,446.31*	
		For Class 55 Rating, Add	*5,138.57*	
		For Class 56 Rating, Add	*6,808.05*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,872.68	1,617.14
		For Class 52 Rating, Deduct	*-2,576.47*	
		For Class 54 Rating, Add	*3,542.77*	
		For Class 55 Rating, Add	*5,282.02*	
		For Class 56 Rating, Add	*6,997.84*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,520.96	1,620.83
		For Class 52 Rating, Deduct	*-2,647.17*	
		For Class 54 Rating, Add	*3,639.24*	
		For Class 55 Rating, Add	*5,425.47*	
		For Class 56 Rating, Add	*7,187.63*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,169.23	1,624.52
		For Class 52 Rating, Deduct	*-2,717.86*	
		For Class 54 Rating, Add	*3,735.71*	
		For Class 55 Rating, Add	*5,568.92*	
		For Class 56 Rating, Add	*7,377.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,817.50	1,628.21
		For Class 52 Rating, Deduct	*-2,788.56*	
		For Class 54 Rating, Add	*3,832.18*	
		For Class 55 Rating, Add	*5,712.37*	
		For Class 56 Rating, Add	*7,567.21*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,465.77	1,631.91
		For Class 52 Rating, Deduct	*-2,859.25*	
		For Class 54 Rating, Add	*3,928.65*	
		For Class 55 Rating, Add	*5,855.82*	
		For Class 56 Rating, Add	*7,757.00*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,114.04	1,635.59
		For Class 52 Rating, Deduct	*-2,929.94*	
		For Class 54 Rating, Add	*4,025.12*	
		For Class 55 Rating, Add	*5,999.27*	
		For Class 56 Rating, Add	*7,946.79*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,762.30	1,639.29
		For Class 52 Rating, Deduct	*-3,000.64*	
		For Class 54 Rating, Add	*4,121.58*	
		For Class 55 Rating, Add	*6,142.72*	
		For Class 56 Rating, Add	*8,136.58*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,410.57	1,642.98
		For Class 52 Rating, Deduct	*-3,071.33*	
		For Class 54 Rating, Add	*4,218.05*	
		For Class 55 Rating, Add	*6,286.17*	
		For Class 56 Rating, Add	*8,326.37*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,058.84	1,646.67
		For Class 52 Rating, Deduct	*-3,142.03*	
		For Class 54 Rating, Add	*4,314.52*	
		For Class 55 Rating, Add	*6,429.62*	
		For Class 56 Rating, Add	*8,516.16*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,707.10	1,650.36
		For Class 52 Rating, Deduct	*-3,212.72*	
		For Class 54 Rating, Add	*4,410.99*	
		For Class 55 Rating, Add	*6,573.07*	
		For Class 56 Rating, Add	*8,705.95*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,355.38	1,654.06
		For Class 52 Rating, Deduct	*-3,283.42*	
		For Class 54 Rating, Add	*4,507.46*	
		For Class 55 Rating, Add	*6,716.53*	
		For Class 56 Rating, Add	*8,895.74*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,003.64	1,657.75
		For Class 52 Rating, Deduct	*-3,354.11*	
		For Class 54 Rating, Add	*4,603.93*	
		For Class 55 Rating, Add	*6,859.98*	
		For Class 56 Rating, Add	*9,085.53*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,383.28	1,927.27
		For Class 52 Rating, Deduct	*-1,040.95*	
		For Class 54 Rating, Add	*1,454.52*	
		For Class 55 Rating, Add	*2,180.37*	
		For Class 56 Rating, Add	*2,896.76*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,263.13	1,930.96
		For Class 52 Rating, Deduct	*-1,137.12*	
		For Class 54 Rating, Add	*1,585.72*	
		For Class 55 Rating, Add	*2,375.46*	
		For Class 56 Rating, Add	*3,154.87*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,142.97	1,934.66
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,716.93*	
		For Class 55 Rating, Add	*2,570.55*	
		For Class 56 Rating, Add	*3,412.97*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,022.81	1,938.34
		For Class 52 Rating, Deduct	*-1,329.45*	
		For Class 54 Rating, Add	*1,848.13*	
		For Class 55 Rating, Add	*2,765.65*	
		For Class 56 Rating, Add	*3,671.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,902.65	1,942.04
		For Class 52 Rating, Deduct	*-1,425.62*	
		For Class 54 Rating, Add	*1,979.33*	
		For Class 55 Rating, Add	*2,960.74*	
		For Class 56 Rating, Add	*3,929.18*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,782.49	1,945.73
		For Class 52 Rating, Deduct	*-1,521.79*	
		For Class 54 Rating, Add	*2,110.54*	
		For Class 55 Rating, Add	*3,155.83*	
		For Class 56 Rating, Add	*4,187.28*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,662.32	1,949.42
		For Class 52 Rating, Deduct	*-1,617.95*	
		For Class 54 Rating, Add	*2,241.74*	
		For Class 55 Rating, Add	*3,350.92*	
		For Class 56 Rating, Add	*4,445.38*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,542.17	1,953.11
		For Class 52 Rating, Deduct	*-1,714.12*	
		For Class 54 Rating, Add	*2,372.95*	
		For Class 55 Rating, Add	*3,546.01*	
		For Class 56 Rating, Add	*4,703.49*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,422.00	1,956.81
		For Class 52 Rating, Deduct	*-1,810.29*	
		For Class 54 Rating, Add	*2,504.15*	
		For Class 55 Rating, Add	*3,741.10*	
		For Class 56 Rating, Add	*4,961.59*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,301.84	1,960.50
		For Class 52 Rating, Deduct	*-1,906.45*	
		For Class 54 Rating, Add	*2,635.35*	
		For Class 55 Rating, Add	*3,936.19*	
		For Class 56 Rating, Add	*5,219.70*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,181.68	1,964.19
		For Class 52 Rating, Deduct	*-2,002.62*	
		For Class 54 Rating, Add	*2,766.56*	
		For Class 55 Rating, Add	*4,131.28*	
		For Class 56 Rating, Add	*5,477.80*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,061.52	1,967.88
		For Class 52 Rating, Deduct	*-2,098.79*	
		For Class 54 Rating, Add	*2,897.76*	
		For Class 55 Rating, Add	*4,326.37*	
		For Class 56 Rating, Add	*5,735.90*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,941.35	1,971.58
		For Class 52 Rating, Deduct	*-2,194.95*	
		For Class 54 Rating, Add	*3,028.96*	
		For Class 55 Rating, Add	*4,521.46*	
		For Class 56 Rating, Add	*5,994.01*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,821.20	1,975.26
		For Class 52 Rating, Deduct	*-2,291.12*	
		For Class 54 Rating, Add	*3,160.17*	
		For Class 55 Rating, Add	*4,716.55*	
		For Class 56 Rating, Add	*6,252.11*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,701.03	1,978.96
		For Class 52 Rating, Deduct	*-2,387.29*	
		For Class 54 Rating, Add	*3,291.37*	
		For Class 55 Rating, Add	*4,911.64*	
		For Class 56 Rating, Add	*6,510.21*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,580.87	1,982.65
		For Class 52 Rating, Deduct	*-2,483.45*	
		For Class 54 Rating, Add	*3,422.58*	
		For Class 55 Rating, Add	*5,106.74*	
		For Class 56 Rating, Add	*6,768.32*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,460.72	1,986.35
		For Class 52 Rating, Deduct	*-2,579.62*	
		For Class 54 Rating, Add	*3,553.78*	
		For Class 55 Rating, Add	*5,301.83*	
		For Class 56 Rating, Add	*7,026.42*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,340.56	1,990.03
		For Class 52 Rating, Deduct	*-2,675.79*	
		For Class 54 Rating, Add	*3,684.99*	
		For Class 55 Rating, Add	*5,496.92*	
		For Class 56 Rating, Add	*7,284.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,220.40	1,993.73
		For Class 52 Rating, Deduct	*-2,771.96*	
		For Class 54 Rating, Add	*3,816.19*	
		For Class 55 Rating, Add	*5,692.01*	
		For Class 56 Rating, Add	*7,542.63*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,100.24	1,997.42
		For Class 52 Rating, Deduct	*-2,868.12*	
		For Class 54 Rating, Add	*3,947.39*	
		For Class 55 Rating, Add	*5,887.10*	
		For Class 56 Rating, Add	*7,800.73*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,980.08	2,001.11
		For Class 52 Rating, Deduct	*-2,964.29*	
		For Class 54 Rating, Add	*4,078.60*	
		For Class 55 Rating, Add	*6,082.19*	
		For Class 56 Rating, Add	*8,058.84*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,859.91	2,004.80
		For Class 52 Rating, Deduct	*-3,060.46*	
		For Class 54 Rating, Add	*4,209.80*	
		For Class 55 Rating, Add	*6,277.28*	
		For Class 56 Rating, Add	*8,316.94*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,739.76	2,008.50
		For Class 52 Rating, Deduct	*-3,156.62*	
		For Class 54 Rating, Add	*4,341.01*	
		For Class 55 Rating, Add	*6,472.37*	
		For Class 56 Rating, Add	*8,575.05*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,619.59	2,012.18
		For Class 52 Rating, Deduct	*-3,252.79*	
		For Class 54 Rating, Add	*4,472.21*	
		For Class 55 Rating, Add	*6,667.46*	
		For Class 56 Rating, Add	*8,833.15*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,499.43	2,015.88
		For Class 52 Rating, Deduct	*-3,348.96*	
		For Class 54 Rating, Add	*4,603.41*	
		For Class 55 Rating, Add	*6,862.56*	
		For Class 56 Rating, Add	*9,091.25*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,379.27	2,019.57
		For Class 52 Rating, Deduct	*-3,445.12*	
		For Class 54 Rating, Add	*4,734.62*	
		For Class 55 Rating, Add	*7,057.65*	
		For Class 56 Rating, Add	*9,349.36*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,259.11	2,023.27
		For Class 52 Rating, Deduct	*-3,541.29*	
		For Class 54 Rating, Add	*4,865.82*	
		For Class 55 Rating, Add	*7,252.74*	
		For Class 56 Rating, Add	*9,607.46*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,138.94	2,026.95
		For Class 52 Rating, Deduct	*-3,637.46*	
		For Class 54 Rating, Add	*4,997.02*	
		For Class 55 Rating, Add	*7,447.83*	
		For Class 56 Rating, Add	*9,865.56*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,018.79	2,030.65
		For Class 52 Rating, Deduct	*-3,733.63*	
		For Class 54 Rating, Add	*5,128.23*	
		For Class 55 Rating, Add	*7,642.92*	
		For Class 56 Rating, Add	*10,123.67*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,898.62	2,034.34
		For Class 52 Rating, Deduct	*-3,829.79*	
		For Class 54 Rating, Add	*5,259.43*	
		For Class 55 Rating, Add	*7,838.01*	
		For Class 56 Rating, Add	*10,381.77*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,778.47	2,038.03
		For Class 52 Rating, Deduct	*-3,925.96*	
		For Class 54 Rating, Add	*5,390.64*	
		For Class 55 Rating, Add	*8,033.10*	
		For Class 56 Rating, Add	*10,639.87*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,658.31	2,041.72
		For Class 52 Rating, Deduct	*-4,022.13*	
		For Class 54 Rating, Add	*5,521.84*	
		For Class 55 Rating, Add	*8,228.19*	
		For Class 56 Rating, Add	*10,897.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022		EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,538.15	2,045.42
			For Class 52 Rating, Deduct	*-4,118.29*	
			For Class 54 Rating, Add	*5,653.04*	
			For Class 55 Rating, Add	*8,423.28*	
			For Class 56 Rating, Add	*11,156.08*	
40 05 19 00-1023		EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,417.98	2,049.11
			For Class 52 Rating, Deduct	*-4,214.46*	
			For Class 54 Rating, Add	*5,784.25*	
			For Class 55 Rating, Add	*8,618.37*	
			For Class 56 Rating, Add	*11,414.18*	
40 05 19 00-1024		EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,297.83	2,052.80
			For Class 52 Rating, Deduct	*-4,310.63*	
			For Class 54 Rating, Add	*5,915.45*	
			For Class 55 Rating, Add	*8,813.46*	
			For Class 56 Rating, Add	*11,672.29*	
40 05 19 00-1025		EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,177.66	2,056.49
			For Class 52 Rating, Deduct	*-4,406.79*	
			For Class 54 Rating, Add	*6,046.65*	
			For Class 55 Rating, Add	*9,008.55*	
			For Class 56 Rating, Add	*11,930.39*	
40 05 19 00-1026		EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,057.50	2,060.19
			For Class 52 Rating, Deduct	*-4,502.96*	
			For Class 54 Rating, Add	*6,177.86*	
			For Class 55 Rating, Add	*9,203.65*	
			For Class 56 Rating, Add	*12,188.50*	
40 05 19 00-1027		EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,937.34	2,063.87
			For Class 52 Rating, Deduct	*-4,599.13*	
			For Class 54 Rating, Add	*6,309.06*	
			For Class 55 Rating, Add	*9,398.74*	
			For Class 56 Rating, Add	*12,446.60*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030		EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.86	180.56
			For Class 52 Rating, Deduct	*-41.50*	
			For Class 54 Rating, Add	*59.87*	
			For Class 55 Rating, Add	*90.70*	
			For Class 56 Rating, Add	*121.15*	
40 05 19 00-1031		EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	723.29	183.72
			For Class 52 Rating, Deduct	*-48.94*	
			For Class 54 Rating, Add	*70.08*	
			For Class 55 Rating, Add	*105.90*	
			For Class 56 Rating, Add	*141.28*	
40 05 19 00-1032		EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	795.73	186.89
			For Class 52 Rating, Deduct	*-56.38*	
			For Class 54 Rating, Add	*80.28*	
			For Class 55 Rating, Add	*121.10*	
			For Class 56 Rating, Add	*161.40*	
40 05 19 00-1033		EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	868.16	190.03
			For Class 52 Rating, Deduct	*-63.83*	
			For Class 54 Rating, Add	*90.49*	
			For Class 55 Rating, Add	*136.30*	
			For Class 56 Rating, Add	*181.53*	
40 05 19 00-1034		EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	940.59	193.20
			For Class 52 Rating, Deduct	*-71.27*	
			For Class 54 Rating, Add	*100.69*	
			For Class 55 Rating, Add	*151.50*	
			For Class 56 Rating, Add	*201.66*	
40 05 19 00-1035		EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.02	196.36
			For Class 52 Rating, Deduct	*-78.71*	
			For Class 54 Rating, Add	*110.90*	
			For Class 55 Rating, Add	*166.70*	
			For Class 56 Rating, Add	*221.79*	
40 05 19 00-1036		EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,085.45	199.52
			For Class 52 Rating, Deduct	*-86.15*	
			For Class 54 Rating, Add	*121.10*	
			For Class 55 Rating, Add	*181.90*	
			For Class 56 Rating, Add	*241.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,157.89	202.66
		For Class 52 Rating, Deduct	*-93.59*	
		For Class 54 Rating, Add	*131.31*	
		For Class 55 Rating, Add	*197.10*	
		For Class 56 Rating, Add	*262.05*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.32	205.82
		For Class 52 Rating, Deduct	*-101.03*	
		For Class 54 Rating, Add	*141.51*	
		For Class 55 Rating, Add	*212.31*	
		For Class 56 Rating, Add	*282.18*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.76	208.98
		For Class 52 Rating, Deduct	*-108.47*	
		For Class 54 Rating, Add	*151.72*	
		For Class 55 Rating, Add	*227.51*	
		For Class 56 Rating, Add	*302.31*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.19	212.13
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*161.92*	
		For Class 55 Rating, Add	*242.71*	
		For Class 56 Rating, Add	*322.44*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,447.62	215.29
		For Class 52 Rating, Deduct	*-123.36*	
		For Class 54 Rating, Add	*172.13*	
		For Class 55 Rating, Add	*257.91*	
		For Class 56 Rating, Add	*342.56*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,520.05	218.45
		For Class 52 Rating, Deduct	*-130.80*	
		For Class 54 Rating, Add	*182.33*	
		For Class 55 Rating, Add	*273.11*	
		For Class 56 Rating, Add	*362.69*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,592.48	221.61
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*192.54*	
		For Class 55 Rating, Add	*288.31*	
		For Class 56 Rating, Add	*382.82*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,664.92	224.76
		For Class 52 Rating, Deduct	*-145.68*	
		For Class 54 Rating, Add	*202.74*	
		For Class 55 Rating, Add	*303.51*	
		For Class 56 Rating, Add	*402.95*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,737.35	227.92
		For Class 52 Rating, Deduct	*-153.12*	
		For Class 54 Rating, Add	*212.95*	
		For Class 55 Rating, Add	*318.71*	
		For Class 56 Rating, Add	*423.08*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,809.79	231.08
		For Class 52 Rating, Deduct	*-160.56*	
		For Class 54 Rating, Add	*223.15*	
		For Class 55 Rating, Add	*333.91*	
		For Class 56 Rating, Add	*443.21*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,882.22	234.23
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*233.36*	
		For Class 55 Rating, Add	*349.11*	
		For Class 56 Rating, Add	*463.34*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,954.65	237.38
		For Class 52 Rating, Deduct	*-175.45*	
		For Class 54 Rating, Add	*243.56*	
		For Class 55 Rating, Add	*364.31*	
		For Class 56 Rating, Add	*483.47*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,027.09	240.54
		For Class 52 Rating, Deduct	*-182.89*	
		For Class 54 Rating, Add	*253.77*	
		For Class 55 Rating, Add	*379.51*	
		For Class 56 Rating, Add	*503.60*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.51	243.70
		For Class 52 Rating, Deduct	*-190.33*	
		For Class 54 Rating, Add	*263.97*	
		For Class 55 Rating, Add	*394.71*	
		For Class 56 Rating, Add	*523.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,171.95	246.85
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*274.18*	
		For Class 55 Rating, Add	*409.91*	
		For Class 56 Rating, Add	*543.85*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,244.38	250.01
		For Class 52 Rating, Deduct	*-205.21*	
		For Class 54 Rating, Add	*284.38*	
		For Class 55 Rating, Add	*425.12*	
		For Class 56 Rating, Add	*563.98*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,316.81	253.17
		For Class 52 Rating, Deduct	*-212.66*	
		For Class 54 Rating, Add	*294.59*	
		For Class 55 Rating, Add	*440.32*	
		For Class 56 Rating, Add	*584.11*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,389.25	256.32
		For Class 52 Rating, Deduct	*-220.10*	
		For Class 54 Rating, Add	*304.79*	
		For Class 55 Rating, Add	*455.52*	
		For Class 56 Rating, Add	*604.24*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,461.68	259.48
		For Class 52 Rating, Deduct	*-227.54*	
		For Class 54 Rating, Add	*315.00*	
		For Class 55 Rating, Add	*470.72*	
		For Class 56 Rating, Add	*624.37*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.12	262.64
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*325.20*	
		For Class 55 Rating, Add	*485.92*	
		For Class 56 Rating, Add	*644.50*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.55	265.80
		For Class 52 Rating, Deduct	*-242.42*	
		For Class 54 Rating, Add	*335.41*	
		For Class 55 Rating, Add	*501.12*	
		For Class 56 Rating, Add	*664.63*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,678.98	268.95
		For Class 52 Rating, Deduct	*-249.86*	
		For Class 54 Rating, Add	*345.61*	
		For Class 55 Rating, Add	*516.32*	
		For Class 56 Rating, Add	*684.76*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.41	272.11
		For Class 52 Rating, Deduct	*-257.30*	
		For Class 54 Rating, Add	*355.82*	
		For Class 55 Rating, Add	*531.52*	
		For Class 56 Rating, Add	*704.89*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,823.84	275.27
		For Class 52 Rating, Deduct	*-264.75*	
		For Class 54 Rating, Add	*366.02*	
		For Class 55 Rating, Add	*546.72*	
		For Class 56 Rating, Add	*725.01*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.28	278.44
		For Class 52 Rating, Deduct	*-272.19*	
		For Class 54 Rating, Add	*376.23*	
		For Class 55 Rating, Add	*561.92*	
		For Class 56 Rating, Add	*745.14*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.71	281.57
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*386.43*	
		For Class 55 Rating, Add	*577.12*	
		For Class 56 Rating, Add	*765.27*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.15	284.74
		For Class 52 Rating, Deduct	*-287.07*	
		For Class 54 Rating, Add	*396.64*	
		For Class 55 Rating, Add	*592.32*	
		For Class 56 Rating, Add	*785.40*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,113.58	287.90
		For Class 52 Rating, Deduct	*-294.51*	
		For Class 54 Rating, Add	*406.84*	
		For Class 55 Rating, Add	*607.52*	
		For Class 56 Rating, Add	*805.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,186.01	291.05
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*417.05*	
		For Class 55 Rating, Add	*622.73*	
		For Class 56 Rating, Add	*825.66*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,258.44	294.21
		For Class 52 Rating, Deduct	*-309.39*	
		For Class 54 Rating, Add	*427.25*	
		For Class 55 Rating, Add	*637.93*	
		For Class 56 Rating, Add	*845.79*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.87	297.37
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*437.46*	
		For Class 55 Rating, Add	*653.13*	
		For Class 56 Rating, Add	*865.92*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.31	300.53
		For Class 52 Rating, Deduct	*-324.28*	
		For Class 54 Rating, Add	*447.66*	
		For Class 55 Rating, Add	*668.33*	
		For Class 56 Rating, Add	*886.05*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	815.32	227.29
		For Class 52 Rating, Deduct	*-51.80*	
		For Class 54 Rating, Add	*74.77*	
		For Class 55 Rating, Add	*113.29*	
		For Class 56 Rating, Add	*151.33*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.36	230.45
		For Class 52 Rating, Deduct	*-60.96*	
		For Class 54 Rating, Add	*87.32*	
		For Class 55 Rating, Add	*131.97*	
		For Class 56 Rating, Add	*176.06*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	991.41	233.60
		For Class 52 Rating, Deduct	*-70.12*	
		For Class 54 Rating, Add	*99.87*	
		For Class 55 Rating, Add	*150.65*	
		For Class 56 Rating, Add	*200.80*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,079.45	236.76
		For Class 52 Rating, Deduct	*-79.28*	
		For Class 54 Rating, Add	*112.41*	
		For Class 55 Rating, Add	*169.33*	
		For Class 56 Rating, Add	*225.53*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.50	239.92
		For Class 52 Rating, Deduct	*-88.44*	
		For Class 54 Rating, Add	*124.96*	
		For Class 55 Rating, Add	*188.01*	
		For Class 56 Rating, Add	*250.26*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.54	243.07
		For Class 52 Rating, Deduct	*-97.60*	
		For Class 54 Rating, Add	*137.51*	
		For Class 55 Rating, Add	*206.70*	
		For Class 56 Rating, Add	*275.00*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,343.58	246.23
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*150.05*	
		For Class 55 Rating, Add	*225.38*	
		For Class 56 Rating, Add	*299.73*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.63	249.39
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*162.60*	
		For Class 55 Rating, Add	*244.06*	
		For Class 56 Rating, Add	*324.47*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.67	252.55
		For Class 52 Rating, Deduct	*-125.07*	
		For Class 54 Rating, Add	*175.15*	
		For Class 55 Rating, Add	*262.74*	
		For Class 56 Rating, Add	*349.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,607.72	255.69
		For Class 52 Rating, Deduct	*-134.23*	
		For Class 54 Rating, Add	*187.69*	
		For Class 55 Rating, Add	*281.42*	
		For Class 56 Rating, Add	*373.94*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.76	258.85
		For Class 52 Rating, Deduct	*-143.39*	
		For Class 54 Rating, Add	*200.24*	
		For Class 55 Rating, Add	*300.11*	
		For Class 56 Rating, Add	*398.67*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.81	262.01
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*212.79*	
		For Class 55 Rating, Add	*318.79*	
		For Class 56 Rating, Add	*423.40*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.85	265.16
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*225.33*	
		For Class 55 Rating, Add	*337.47*	
		For Class 56 Rating, Add	*448.14*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.90	268.32
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*237.88*	
		For Class 55 Rating, Add	*356.15*	
		For Class 56 Rating, Add	*472.87*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.94	271.48
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*250.43*	
		For Class 55 Rating, Add	*374.84*	
		For Class 56 Rating, Add	*497.61*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.98	274.64
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*262.97*	
		For Class 55 Rating, Add	*393.52*	
		For Class 56 Rating, Add	*522.34*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.03	277.79
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*275.52*	
		For Class 55 Rating, Add	*412.20*	
		For Class 56 Rating, Add	*547.08*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,312.07	280.95
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*288.07*	
		For Class 55 Rating, Add	*430.88*	
		For Class 56 Rating, Add	*571.81*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.11	284.11
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*300.61*	
		For Class 55 Rating, Add	*449.56*	
		For Class 56 Rating, Add	*596.54*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,488.16	287.27
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*313.16*	
		For Class 55 Rating, Add	*468.24*	
		For Class 56 Rating, Add	*621.28*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.21	290.42
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*325.71*	
		For Class 55 Rating, Add	*486.93*	
		For Class 56 Rating, Add	*646.01*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,664.26	293.57
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*338.25*	
		For Class 55 Rating, Add	*505.61*	
		For Class 56 Rating, Add	*670.75*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.29	296.73
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*350.80*	
		For Class 55 Rating, Add	*524.29*	
		For Class 56 Rating, Add	*695.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.34	299.88
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*363.35*	
		For Class 55 Rating, Add	*542.97*	
		For Class 56 Rating, Add	*720.22*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.38	303.04
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*375.89*	
		For Class 55 Rating, Add	*561.66*	
		For Class 56 Rating, Add	*744.95*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.42	306.20
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*388.44*	
		For Class 55 Rating, Add	*580.34*	
		For Class 56 Rating, Add	*769.68*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.47	309.37
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*400.99*	
		For Class 55 Rating, Add	*599.02*	
		For Class 56 Rating, Add	*794.42*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,192.52	312.51
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*413.53*	
		For Class 55 Rating, Add	*617.70*	
		For Class 56 Rating, Add	*819.15*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,280.57	315.67
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*426.08*	
		For Class 55 Rating, Add	*636.39*	
		For Class 56 Rating, Add	*843.89*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.61	318.84
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*438.63*	
		For Class 55 Rating, Add	*655.07*	
		For Class 56 Rating, Add	*868.62*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.64	321.98
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*451.17*	
		For Class 55 Rating, Add	*673.75*	
		For Class 56 Rating, Add	*893.36*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,544.69	325.15
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*463.72*	
		For Class 55 Rating, Add	*692.43*	
		For Class 56 Rating, Add	*918.09*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,632.73	328.31
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*476.27*	
		For Class 55 Rating, Add	*711.11*	
		For Class 56 Rating, Add	*942.82*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.79	331.47
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*488.81*	
		For Class 55 Rating, Add	*729.80*	
		For Class 56 Rating, Add	*967.56*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,808.83	334.61
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*501.36*	
		For Class 55 Rating, Add	*748.48*	
		For Class 56 Rating, Add	*992.29*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,896.88	337.77
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*513.91*	
		For Class 55 Rating, Add	*767.16*	
		For Class 56 Rating, Add	*1,017.03*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,984.92	340.93
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*526.45*	
		For Class 55 Rating, Add	*785.84*	
		For Class 56 Rating, Add	*1,041.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,072.96	344.08
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*539.00*	
		For Class 55 Rating, Add	*804.52*	
		For Class 56 Rating, Add	*1,066.50*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.00	347.24
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*551.55*	
		For Class 55 Rating, Add	*823.21*	
		For Class 56 Rating, Add	*1,091.23*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.33	290.42
		For Class 52 Rating, Deduct	*-75.27*	
		For Class 54 Rating, Add	*107.93*	
		For Class 55 Rating, Add	*163.16*	
		For Class 56 Rating, Add	*217.71*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.61	293.57
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*125.16*	
		For Class 55 Rating, Add	*188.81*	
		For Class 56 Rating, Add	*251.66*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.86	296.73
		For Class 52 Rating, Deduct	*-100.46*	
		For Class 54 Rating, Add	*142.39*	
		For Class 55 Rating, Add	*214.45*	
		For Class 56 Rating, Add	*285.60*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,482.14	299.88
		For Class 52 Rating, Deduct	*-113.05*	
		For Class 54 Rating, Add	*159.62*	
		For Class 55 Rating, Add	*240.10*	
		For Class 56 Rating, Add	*319.55*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.40	303.04
		For Class 52 Rating, Deduct	*-125.65*	
		For Class 54 Rating, Add	*176.85*	
		For Class 55 Rating, Add	*265.74*	
		For Class 56 Rating, Add	*353.49*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,720.67	306.20
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*194.08*	
		For Class 55 Rating, Add	*291.39*	
		For Class 56 Rating, Add	*387.44*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,839.94	309.37
		For Class 52 Rating, Deduct	*-150.83*	
		For Class 54 Rating, Add	*211.31*	
		For Class 55 Rating, Add	*317.03*	
		For Class 56 Rating, Add	*421.38*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.21	312.51
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*228.54*	
		For Class 55 Rating, Add	*342.68*	
		For Class 56 Rating, Add	*455.33*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,078.48	315.67
		For Class 52 Rating, Deduct	*-176.02*	
		For Class 54 Rating, Add	*245.77*	
		For Class 55 Rating, Add	*368.32*	
		For Class 56 Rating, Add	*489.27*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.75	318.84
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*263.00*	
		For Class 55 Rating, Add	*393.97*	
		For Class 56 Rating, Add	*523.22*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,317.00	321.98
		For Class 52 Rating, Deduct	*-201.21*	
		For Class 54 Rating, Add	*280.23*	
		For Class 55 Rating, Add	*419.61*	
		For Class 56 Rating, Add	*557.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.27	325.15
		For Class 52 Rating, Deduct	*-213.80*	
		For Class 54 Rating, Add	*297.46*	
		For Class 55 Rating, Add	*445.25*	
		For Class 56 Rating, Add	*591.11*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,555.54	328.31
		For Class 52 Rating, Deduct	*-226.39*	
		For Class 54 Rating, Add	*314.69*	
		For Class 55 Rating, Add	*470.90*	
		For Class 56 Rating, Add	*625.05*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.81	331.47
		For Class 52 Rating, Deduct	*-238.99*	
		For Class 54 Rating, Add	*331.92*	
		For Class 55 Rating, Add	*496.54*	
		For Class 56 Rating, Add	*659.00*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,794.08	334.61
		For Class 52 Rating, Deduct	*-251.58*	
		For Class 54 Rating, Add	*349.15*	
		For Class 55 Rating, Add	*522.19*	
		For Class 56 Rating, Add	*692.94*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,913.35	337.77
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*366.38*	
		For Class 55 Rating, Add	*547.83*	
		For Class 56 Rating, Add	*726.89*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.62	340.93
		For Class 52 Rating, Deduct	*-276.77*	
		For Class 54 Rating, Add	*383.61*	
		For Class 55 Rating, Add	*573.48*	
		For Class 56 Rating, Add	*760.83*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,151.88	344.08
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*400.84*	
		For Class 55 Rating, Add	*599.12*	
		For Class 56 Rating, Add	*794.78*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,271.15	347.24
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*418.07*	
		For Class 55 Rating, Add	*624.77*	
		For Class 56 Rating, Add	*828.72*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,390.41	350.40
		For Class 52 Rating, Deduct	*-314.55*	
		For Class 54 Rating, Add	*435.30*	
		For Class 55 Rating, Add	*650.41*	
		For Class 56 Rating, Add	*862.67*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,509.68	353.56
		For Class 52 Rating, Deduct	*-327.14*	
		For Class 54 Rating, Add	*452.53*	
		For Class 55 Rating, Add	*676.06*	
		For Class 56 Rating, Add	*896.61*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,628.95	356.71
		For Class 52 Rating, Deduct	*-339.73*	
		For Class 54 Rating, Add	*469.76*	
		For Class 55 Rating, Add	*701.70*	
		For Class 56 Rating, Add	*930.56*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,748.21	359.87
		For Class 52 Rating, Deduct	*-352.33*	
		For Class 54 Rating, Add	*486.99*	
		For Class 55 Rating, Add	*727.35*	
		For Class 56 Rating, Add	*964.50*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,867.49	363.03
		For Class 52 Rating, Deduct	*-364.92*	
		For Class 54 Rating, Add	*504.22*	
		For Class 55 Rating, Add	*752.99*	
		For Class 56 Rating, Add	*998.45*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,986.75	366.19
		For Class 52 Rating, Deduct	*-377.51*	
		For Class 54 Rating, Add	*521.45*	
		For Class 55 Rating, Add	*778.64*	
		For Class 56 Rating, Add	*1,032.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,106.03	369.33
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*538.68*	
		For Class 55 Rating, Add	*804.28*	
		For Class 56 Rating, Add	*1,066.34*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.29	372.49
		For Class 52 Rating, Deduct	*-402.70*	
		For Class 54 Rating, Add	*555.91*	
		For Class 55 Rating, Add	*829.93*	
		For Class 56 Rating, Add	*1,100.28*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,344.56	375.65
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*573.14*	
		For Class 55 Rating, Add	*855.57*	
		For Class 56 Rating, Add	*1,134.23*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,463.82	378.80
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*590.37*	
		For Class 55 Rating, Add	*881.22*	
		For Class 56 Rating, Add	*1,168.17*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,583.08	381.96
		For Class 52 Rating, Deduct	*-440.48*	
		For Class 54 Rating, Add	*607.60*	
		For Class 55 Rating, Add	*906.86*	
		For Class 56 Rating, Add	*1,202.12*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,702.36	385.12
		For Class 52 Rating, Deduct	*-453.07*	
		For Class 54 Rating, Add	*624.83*	
		For Class 55 Rating, Add	*932.51*	
		For Class 56 Rating, Add	*1,236.06*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,821.62	388.28
		For Class 52 Rating, Deduct	*-465.67*	
		For Class 54 Rating, Add	*642.06*	
		For Class 55 Rating, Add	*958.15*	
		For Class 56 Rating, Add	*1,270.01*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,940.90	391.43
		For Class 52 Rating, Deduct	*-478.26*	
		For Class 54 Rating, Add	*659.29*	
		For Class 55 Rating, Add	*983.80*	
		For Class 56 Rating, Add	*1,303.96*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,060.16	394.59
		For Class 52 Rating, Deduct	*-490.85*	
		For Class 54 Rating, Add	*676.52*	
		For Class 55 Rating, Add	*1,009.44*	
		For Class 56 Rating, Add	*1,337.90*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.43	397.75
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*693.75*	
		For Class 55 Rating, Add	*1,035.09*	
		For Class 56 Rating, Add	*1,371.85*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,298.69	400.90
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*710.98*	
		For Class 55 Rating, Add	*1,060.73*	
		For Class 56 Rating, Add	*1,405.79*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,417.96	404.06
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*728.21*	
		For Class 55 Rating, Add	*1,086.38*	
		For Class 56 Rating, Add	*1,439.74*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,537.23	407.23
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*745.44*	
		For Class 55 Rating, Add	*1,112.02*	
		For Class 56 Rating, Add	*1,473.68*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,656.50	410.39
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*762.67*	
		For Class 55 Rating, Add	*1,137.67*	
		For Class 56 Rating, Add	*1,507.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,417.74	353.56
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*138.74*	
		For Class 55 Rating, Add	*209.55*	
		For Class 56 Rating, Add	*279.49*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,573.43	356.71
		For Class 52 Rating, Deduct	*-113.63*	
		For Class 54 Rating, Add	*161.43*	
		For Class 55 Rating, Add	*243.32*	
		For Class 56 Rating, Add	*324.18*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.12	359.87
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*184.12*	
		For Class 55 Rating, Add	*277.09*	
		For Class 56 Rating, Add	*368.87*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.82	363.03
		For Class 52 Rating, Deduct	*-146.83*	
		For Class 54 Rating, Add	*206.82*	
		For Class 55 Rating, Add	*310.86*	
		For Class 56 Rating, Add	*413.56*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.52	366.19
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*229.51*	
		For Class 55 Rating, Add	*344.63*	
		For Class 56 Rating, Add	*458.26*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.22	369.33
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*252.21*	
		For Class 55 Rating, Add	*378.39*	
		For Class 56 Rating, Add	*502.95*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,351.91	372.49
		For Class 52 Rating, Deduct	*-196.63*	
		For Class 54 Rating, Add	*274.90*	
		For Class 55 Rating, Add	*412.16*	
		For Class 56 Rating, Add	*547.64*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,507.60	375.65
		For Class 52 Rating, Deduct	*-213.23*	
		For Class 54 Rating, Add	*297.59*	
		For Class 55 Rating, Add	*445.93*	
		For Class 56 Rating, Add	*592.33*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.29	378.80
		For Class 52 Rating, Deduct	*-229.83*	
		For Class 54 Rating, Add	*320.29*	
		For Class 55 Rating, Add	*479.70*	
		For Class 56 Rating, Add	*637.02*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.98	381.96
		For Class 52 Rating, Deduct	*-246.43*	
		For Class 54 Rating, Add	*342.98*	
		For Class 55 Rating, Add	*513.47*	
		For Class 56 Rating, Add	*681.71*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,974.68	385.12
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*365.68*	
		For Class 55 Rating, Add	*547.23*	
		For Class 56 Rating, Add	*726.40*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,130.38	388.28
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*388.37*	
		For Class 55 Rating, Add	*581.00*	
		For Class 56 Rating, Add	*771.09*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.08	391.43
		For Class 52 Rating, Deduct	*-296.23*	
		For Class 54 Rating, Add	*411.07*	
		For Class 55 Rating, Add	*614.77*	
		For Class 56 Rating, Add	*815.78*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,441.77	394.59
		For Class 52 Rating, Deduct	*-312.83*	
		For Class 54 Rating, Add	*433.76*	
		For Class 55 Rating, Add	*648.54*	
		For Class 56 Rating, Add	*860.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.46	397.75
		For Class 52 Rating, Deduct	*-329.43*	
		For Class 54 Rating, Add	*456.45*	
		For Class 55 Rating, Add	*682.31*	
		For Class 56 Rating, Add	*905.16*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,753.15	400.90
		For Class 52 Rating, Deduct	*-346.03*	
		For Class 54 Rating, Add	*479.15*	
		For Class 55 Rating, Add	*716.07*	
		For Class 56 Rating, Add	*949.85*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.84	404.06
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*501.84*	
		For Class 55 Rating, Add	*749.84*	
		For Class 56 Rating, Add	*994.55*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,064.54	407.23
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*524.54*	
		For Class 55 Rating, Add	*783.61*	
		For Class 56 Rating, Add	*1,039.24*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,220.24	410.39
		For Class 52 Rating, Deduct	*-395.83*	
		For Class 54 Rating, Add	*547.23*	
		For Class 55 Rating, Add	*817.38*	
		For Class 56 Rating, Add	*1,083.93*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,375.94	413.52
		For Class 52 Rating, Deduct	*-412.43*	
		For Class 54 Rating, Add	*569.92*	
		For Class 55 Rating, Add	*851.15*	
		For Class 56 Rating, Add	*1,128.62*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,531.63	416.69
		For Class 52 Rating, Deduct	*-429.03*	
		For Class 54 Rating, Add	*592.62*	
		For Class 55 Rating, Add	*884.91*	
		For Class 56 Rating, Add	*1,173.31*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,687.32	419.85
		For Class 52 Rating, Deduct	*-445.63*	
		For Class 54 Rating, Add	*615.31*	
		For Class 55 Rating, Add	*918.68*	
		For Class 56 Rating, Add	*1,218.00*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,843.02	423.00
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*638.01*	
		For Class 55 Rating, Add	*952.45*	
		For Class 56 Rating, Add	*1,262.69*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,998.70	426.16
		For Class 52 Rating, Deduct	*-478.83*	
		For Class 54 Rating, Add	*660.70*	
		For Class 55 Rating, Add	*986.22*	
		For Class 56 Rating, Add	*1,307.38*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.40	429.32
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*683.39*	
		For Class 55 Rating, Add	*1,019.99*	
		For Class 56 Rating, Add	*1,352.07*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,310.09	432.48
		For Class 52 Rating, Deduct	*-512.03*	
		For Class 54 Rating, Add	*706.09*	
		For Class 55 Rating, Add	*1,053.75*	
		For Class 56 Rating, Add	*1,396.76*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,465.79	435.63
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*728.78*	
		For Class 55 Rating, Add	*1,087.52*	
		For Class 56 Rating, Add	*1,441.46*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,621.49	438.79
		For Class 52 Rating, Deduct	*-545.23*	
		For Class 54 Rating, Add	*751.48*	
		For Class 55 Rating, Add	*1,121.29*	
		For Class 56 Rating, Add	*1,486.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,777.18	441.95
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*774.17*	
		For Class 55 Rating, Add	*1,155.06*	
		For Class 56 Rating, Add	*1,530.84*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.88	445.11
		For Class 52 Rating, Deduct	*-578.43*	
		For Class 54 Rating, Add	*796.86*	
		For Class 55 Rating, Add	*1,188.83*	
		For Class 56 Rating, Add	*1,575.53*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,088.57	448.25
		For Class 52 Rating, Deduct	*-595.03*	
		For Class 54 Rating, Add	*819.56*	
		For Class 55 Rating, Add	*1,222.59*	
		For Class 56 Rating, Add	*1,620.22*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,244.26	451.41
		For Class 52 Rating, Deduct	*-611.63*	
		For Class 54 Rating, Add	*842.25*	
		For Class 55 Rating, Add	*1,256.36*	
		For Class 56 Rating, Add	*1,664.91*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,399.95	454.57
		For Class 52 Rating, Deduct	*-628.23*	
		For Class 54 Rating, Add	*864.95*	
		For Class 55 Rating, Add	*1,290.13*	
		For Class 56 Rating, Add	*1,709.60*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,555.65	457.72
		For Class 52 Rating, Deduct	*-644.83*	
		For Class 54 Rating, Add	*887.64*	
		For Class 55 Rating, Add	*1,323.90*	
		For Class 56 Rating, Add	*1,754.30*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,711.35	460.88
		For Class 52 Rating, Deduct	*-661.43*	
		For Class 54 Rating, Add	*910.34*	
		For Class 55 Rating, Add	*1,357.67*	
		For Class 56 Rating, Add	*1,798.99*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,867.04	464.04
		For Class 52 Rating, Deduct	*-678.03*	
		For Class 54 Rating, Add	*933.03*	
		For Class 55 Rating, Add	*1,391.44*	
		For Class 56 Rating, Add	*1,843.68*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,022.74	467.20
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*955.72*	
		For Class 55 Rating, Add	*1,425.20*	
		For Class 56 Rating, Add	*1,888.37*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,178.43	470.35
		For Class 52 Rating, Deduct	*-711.23*	
		For Class 54 Rating, Add	*978.42*	
		For Class 55 Rating, Add	*1,458.97*	
		For Class 56 Rating, Add	*1,933.06*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,334.12	473.51
		For Class 52 Rating, Deduct	*-727.83*	
		For Class 54 Rating, Add	*1,001.11*	
		For Class 55 Rating, Add	*1,492.74*	
		For Class 56 Rating, Add	*1,977.75*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.68	441.95
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*184.45*	
		For Class 55 Rating, Add	*278.33*	
		For Class 56 Rating, Add	*371.05*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.41	445.11
		For Class 52 Rating, Deduct	*-150.26*	
		For Class 54 Rating, Add	*212.99*	
		For Class 55 Rating, Add	*320.81*	
		For Class 56 Rating, Add	*427.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,235.13	448.25
		For Class 52 Rating, Deduct	*-171.15*	
		For Class 54 Rating, Add	*241.54*	
		For Class 55 Rating, Add	*363.28*	
		For Class 56 Rating, Add	*483.46*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.85	451.41
		For Class 52 Rating, Deduct	*-192.05*	
		For Class 54 Rating, Add	*270.09*	
		For Class 55 Rating, Add	*405.75*	
		For Class 56 Rating, Add	*539.66*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.57	454.57
		For Class 52 Rating, Deduct	*-212.94*	
		For Class 54 Rating, Add	*298.64*	
		For Class 55 Rating, Add	*448.22*	
		For Class 56 Rating, Add	*595.86*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.29	457.72
		For Class 52 Rating, Deduct	*-233.83*	
		For Class 54 Rating, Add	*327.19*	
		For Class 55 Rating, Add	*490.69*	
		For Class 56 Rating, Add	*652.07*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,014.02	460.88
		For Class 52 Rating, Deduct	*-254.73*	
		For Class 54 Rating, Add	*355.74*	
		For Class 55 Rating, Add	*533.16*	
		For Class 56 Rating, Add	*708.27*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,208.74	464.04
		For Class 52 Rating, Deduct	*-275.62*	
		For Class 54 Rating, Add	*384.28*	
		For Class 55 Rating, Add	*575.63*	
		For Class 56 Rating, Add	*764.48*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.47	467.20
		For Class 52 Rating, Deduct	*-296.51*	
		For Class 54 Rating, Add	*412.83*	
		For Class 55 Rating, Add	*618.11*	
		For Class 56 Rating, Add	*820.68*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.19	470.35
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*441.38*	
		For Class 55 Rating, Add	*660.58*	
		For Class 56 Rating, Add	*876.89*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,792.91	473.51
		For Class 52 Rating, Deduct	*-338.30*	
		For Class 54 Rating, Add	*469.93*	
		For Class 55 Rating, Add	*703.05*	
		For Class 56 Rating, Add	*933.09*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,987.63	476.67
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*498.48*	
		For Class 55 Rating, Add	*745.52*	
		For Class 56 Rating, Add	*989.30*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,182.35	479.82
		For Class 52 Rating, Deduct	*-380.09*	
		For Class 54 Rating, Add	*527.03*	
		For Class 55 Rating, Add	*787.99*	
		For Class 56 Rating, Add	*1,045.50*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.08	482.98
		For Class 52 Rating, Deduct	*-400.98*	
		For Class 54 Rating, Add	*555.57*	
		For Class 55 Rating, Add	*830.46*	
		For Class 56 Rating, Add	*1,101.70*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,571.80	486.14
		For Class 52 Rating, Deduct	*-421.88*	
		For Class 54 Rating, Add	*584.12*	
		For Class 55 Rating, Add	*872.93*	
		For Class 56 Rating, Add	*1,157.91*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,766.53	489.29
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*612.67*	
		For Class 55 Rating, Add	*915.41*	
		For Class 56 Rating, Add	*1,214.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,961.25	492.44
		For Class 52 Rating, Deduct	*-463.66*	
		For Class 54 Rating, Add	*641.22*	
		For Class 55 Rating, Add	*957.88*	
		For Class 56 Rating, Add	*1,270.32*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,155.97	495.60
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*669.77*	
		For Class 55 Rating, Add	*1,000.35*	
		For Class 56 Rating, Add	*1,326.52*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,350.70	498.77
		For Class 52 Rating, Deduct	*-505.45*	
		For Class 54 Rating, Add	*698.32*	
		For Class 55 Rating, Add	*1,042.82*	
		For Class 56 Rating, Add	*1,382.73*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.41	501.91
		For Class 52 Rating, Deduct	*-526.34*	
		For Class 54 Rating, Add	*726.87*	
		For Class 55 Rating, Add	*1,085.29*	
		For Class 56 Rating, Add	*1,438.93*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,740.14	505.08
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*755.41*	
		For Class 55 Rating, Add	*1,127.76*	
		For Class 56 Rating, Add	*1,495.14*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,934.86	508.24
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*783.96*	
		For Class 55 Rating, Add	*1,170.23*	
		For Class 56 Rating, Add	*1,551.34*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,129.58	511.40
		For Class 52 Rating, Deduct	*-589.02*	
		For Class 54 Rating, Add	*812.51*	
		For Class 55 Rating, Add	*1,212.71*	
		For Class 56 Rating, Add	*1,607.55*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,324.31	514.55
		For Class 52 Rating, Deduct	*-609.92*	
		For Class 54 Rating, Add	*841.06*	
		For Class 55 Rating, Add	*1,255.18*	
		For Class 56 Rating, Add	*1,663.75*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,519.03	517.71
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*869.61*	
		For Class 55 Rating, Add	*1,297.65*	
		For Class 56 Rating, Add	*1,719.95*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,713.76	520.87
		For Class 52 Rating, Deduct	*-651.70*	
		For Class 54 Rating, Add	*898.16*	
		For Class 55 Rating, Add	*1,340.12*	
		For Class 56 Rating, Add	*1,776.16*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,908.48	524.03
		For Class 52 Rating, Deduct	*-672.60*	
		For Class 54 Rating, Add	*926.70*	
		For Class 55 Rating, Add	*1,382.59*	
		For Class 56 Rating, Add	*1,832.36*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,103.21	527.17
		For Class 52 Rating, Deduct	*-693.49*	
		For Class 54 Rating, Add	*955.25*	
		For Class 55 Rating, Add	*1,425.06*	
		For Class 56 Rating, Add	*1,888.57*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,297.92	530.33
		For Class 52 Rating, Deduct	*-714.38*	
		For Class 54 Rating, Add	*983.80*	
		For Class 55 Rating, Add	*1,467.53*	
		For Class 56 Rating, Add	*1,944.77*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,492.64	533.49
		For Class 52 Rating, Deduct	*-735.28*	
		For Class 54 Rating, Add	*1,012.35*	
		For Class 55 Rating, Add	*1,510.01*	
		For Class 56 Rating, Add	*2,000.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,687.37	536.64
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,040.90*	
		For Class 55 Rating, Add	*1,552.48*	
		For Class 56 Rating, Add	*2,057.18*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,882.09	539.80
		For Class 52 Rating, Deduct	*-777.06*	
		For Class 54 Rating, Add	*1,069.45*	
		For Class 55 Rating, Add	*1,594.95*	
		For Class 56 Rating, Add	*2,113.39*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,076.82	542.96
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,097.99*	
		For Class 55 Rating, Add	*1,637.42*	
		For Class 56 Rating, Add	*2,169.59*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,271.54	546.12
		For Class 52 Rating, Deduct	*-818.85*	
		For Class 54 Rating, Add	*1,126.54*	
		For Class 55 Rating, Add	*1,679.89*	
		For Class 56 Rating, Add	*2,225.79*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,466.26	549.27
		For Class 52 Rating, Deduct	*-839.74*	
		For Class 54 Rating, Add	*1,155.09*	
		For Class 55 Rating, Add	*1,722.36*	
		For Class 56 Rating, Add	*2,282.00*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,660.99	552.43
		For Class 52 Rating, Deduct	*-860.64*	
		For Class 54 Rating, Add	*1,183.64*	
		For Class 55 Rating, Add	*1,764.83*	
		For Class 56 Rating, Add	*2,338.20*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,855.70	555.59
		For Class 52 Rating, Deduct	*-881.53*	
		For Class 54 Rating, Add	*1,212.19*	
		For Class 55 Rating, Add	*1,807.30*	
		For Class 56 Rating, Add	*2,394.41*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,050.43	558.74
		For Class 52 Rating, Deduct	*-902.42*	
		For Class 54 Rating, Add	*1,240.74*	
		For Class 55 Rating, Add	*1,849.78*	
		For Class 56 Rating, Add	*2,450.61*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,245.15	561.90
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,269.28*	
		For Class 55 Rating, Add	*1,892.25*	
		For Class 56 Rating, Add	*2,506.82*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,481.77	530.33
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*261.38*	
		For Class 55 Rating, Add	*393.53*	
		For Class 56 Rating, Add	*524.01*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.12	533.49
		For Class 52 Rating, Deduct	*-210.08*	
		For Class 54 Rating, Add	*296.17*	
		For Class 55 Rating, Add	*445.29*	
		For Class 56 Rating, Add	*592.49*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.48	536.64
		For Class 52 Rating, Deduct	*-235.55*	
		For Class 54 Rating, Add	*330.96*	
		For Class 55 Rating, Add	*497.04*	
		For Class 56 Rating, Add	*660.98*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,190.83	539.80
		For Class 52 Rating, Deduct	*-261.02*	
		For Class 54 Rating, Add	*365.76*	
		For Class 55 Rating, Add	*548.80*	
		For Class 56 Rating, Add	*729.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,427.19	542.96
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*400.55*	
		For Class 55 Rating, Add	*600.55*	
		For Class 56 Rating, Add	*797.95*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,663.54	546.12
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*435.34*	
		For Class 55 Rating, Add	*652.31*	
		For Class 56 Rating, Add	*866.43*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,899.89	549.27
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*470.14*	
		For Class 55 Rating, Add	*704.06*	
		For Class 56 Rating, Add	*934.92*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,136.25	552.43
		For Class 52 Rating, Deduct	*-362.92*	
		For Class 54 Rating, Add	*504.93*	
		For Class 55 Rating, Add	*755.82*	
		For Class 56 Rating, Add	*1,003.41*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,372.60	555.59
		For Class 52 Rating, Deduct	*-388.39*	
		For Class 54 Rating, Add	*539.72*	
		For Class 55 Rating, Add	*807.57*	
		For Class 56 Rating, Add	*1,071.89*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,608.96	558.74
		For Class 52 Rating, Deduct	*-413.86*	
		For Class 54 Rating, Add	*574.52*	
		For Class 55 Rating, Add	*859.33*	
		For Class 56 Rating, Add	*1,140.38*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,845.31	561.90
		For Class 52 Rating, Deduct	*-439.33*	
		For Class 54 Rating, Add	*609.31*	
		For Class 55 Rating, Add	*911.08*	
		For Class 56 Rating, Add	*1,208.86*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,081.67	565.06
		For Class 52 Rating, Deduct	*-464.81*	
		For Class 54 Rating, Add	*644.10*	
		For Class 55 Rating, Add	*962.84*	
		For Class 56 Rating, Add	*1,277.35*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,318.02	568.21
		For Class 52 Rating, Deduct	*-490.28*	
		For Class 54 Rating, Add	*678.89*	
		For Class 55 Rating, Add	*1,014.59*	
		For Class 56 Rating, Add	*1,345.84*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,554.37	571.36
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*713.69*	
		For Class 55 Rating, Add	*1,066.35*	
		For Class 56 Rating, Add	*1,414.32*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,790.73	574.52
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*748.48*	
		For Class 55 Rating, Add	*1,118.10*	
		For Class 56 Rating, Add	*1,482.81*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,027.08	577.68
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*783.27*	
		For Class 55 Rating, Add	*1,169.86*	
		For Class 56 Rating, Add	*1,551.29*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,263.43	580.83
		For Class 52 Rating, Deduct	*-592.17*	
		For Class 54 Rating, Add	*818.07*	
		For Class 55 Rating, Add	*1,221.61*	
		For Class 56 Rating, Add	*1,619.78*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,499.78	583.99
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*852.86*	
		For Class 55 Rating, Add	*1,273.37*	
		For Class 56 Rating, Add	*1,688.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,736.13	587.15
		For Class 52 Rating, Deduct	*-643.12*	
		For Class 54 Rating, Add	*887.65*	
		For Class 55 Rating, Add	*1,325.12*	
		For Class 56 Rating, Add	*1,756.75*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,972.50	590.32
		For Class 52 Rating, Deduct	*-668.59*	
		For Class 54 Rating, Add	*922.45*	
		For Class 55 Rating, Add	*1,376.88*	
		For Class 56 Rating, Add	*1,825.24*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,208.85	593.46
		For Class 52 Rating, Deduct	*-694.06*	
		For Class 54 Rating, Add	*957.24*	
		For Class 55 Rating, Add	*1,428.63*	
		For Class 56 Rating, Add	*1,893.72*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,445.21	596.63
		For Class 52 Rating, Deduct	*-719.54*	
		For Class 54 Rating, Add	*992.03*	
		For Class 55 Rating, Add	*1,480.39*	
		For Class 56 Rating, Add	*1,962.21*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,681.56	599.79
		For Class 52 Rating, Deduct	*-745.01*	
		For Class 54 Rating, Add	*1,026.83*	
		For Class 55 Rating, Add	*1,532.14*	
		For Class 56 Rating, Add	*2,030.69*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,917.92	602.95
		For Class 52 Rating, Deduct	*-770.48*	
		For Class 54 Rating, Add	*1,061.62*	
		For Class 55 Rating, Add	*1,583.90*	
		For Class 56 Rating, Add	*2,099.18*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,154.26	606.09
		For Class 52 Rating, Deduct	*-795.95*	
		For Class 54 Rating, Add	*1,096.41*	
		For Class 55 Rating, Add	*1,635.65*	
		For Class 56 Rating, Add	*2,167.66*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,390.61	609.25
		For Class 52 Rating, Deduct	*-821.43*	
		For Class 54 Rating, Add	*1,131.20*	
		For Class 55 Rating, Add	*1,687.41*	
		For Class 56 Rating, Add	*2,236.15*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,626.97	612.41
		For Class 52 Rating, Deduct	*-846.90*	
		For Class 54 Rating, Add	*1,166.00*	
		For Class 55 Rating, Add	*1,739.16*	
		For Class 56 Rating, Add	*2,304.63*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,863.32	615.56
		For Class 52 Rating, Deduct	*-872.37*	
		For Class 54 Rating, Add	*1,200.79*	
		For Class 55 Rating, Add	*1,790.92*	
		For Class 56 Rating, Add	*2,373.12*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,099.68	618.72
		For Class 52 Rating, Deduct	*-897.84*	
		For Class 54 Rating, Add	*1,235.58*	
		For Class 55 Rating, Add	*1,842.67*	
		For Class 56 Rating, Add	*2,441.60*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,336.03	621.88
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,270.38*	
		For Class 55 Rating, Add	*1,894.43*	
		For Class 56 Rating, Add	*2,510.09*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,572.38	625.04
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,305.17*	
		For Class 55 Rating, Add	*1,946.18*	
		For Class 56 Rating, Add	*2,578.57*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,808.75	628.19
		For Class 52 Rating, Deduct	*-974.26*	
		For Class 54 Rating, Add	*1,339.96*	
		For Class 55 Rating, Add	*1,997.94*	
		For Class 56 Rating, Add	*2,647.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,045.09	631.35
		For Class 52 Rating, Deduct	*-999.74*	
		For Class 54 Rating, Add	*1,374.76*	
		For Class 55 Rating, Add	*2,049.70*	
		For Class 56 Rating, Add	*2,715.55*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,281.45	634.51
		For Class 52 Rating, Deduct	*-1,025.21*	
		For Class 54 Rating, Add	*1,409.55*	
		For Class 55 Rating, Add	*2,101.45*	
		For Class 56 Rating, Add	*2,784.03*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,517.80	637.66
		For Class 52 Rating, Deduct	*-1,050.68*	
		For Class 54 Rating, Add	*1,444.34*	
		For Class 55 Rating, Add	*2,153.21*	
		For Class 56 Rating, Add	*2,852.52*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,754.16	640.82
		For Class 52 Rating, Deduct	*-1,076.15*	
		For Class 54 Rating, Add	*1,479.13*	
		For Class 55 Rating, Add	*2,204.96*	
		For Class 56 Rating, Add	*2,921.00*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,990.51	643.97
		For Class 52 Rating, Deduct	*-1,101.63*	
		For Class 54 Rating, Add	*1,513.93*	
		For Class 55 Rating, Add	*2,256.72*	
		For Class 56 Rating, Add	*2,989.49*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.86	647.13
		For Class 52 Rating, Deduct	*-1,127.10*	
		For Class 54 Rating, Add	*1,548.72*	
		For Class 55 Rating, Add	*2,308.47*	
		For Class 56 Rating, Add	*3,057.97*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,903.58	606.09
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*308.81*	
		For Class 55 Rating, Add	*464.75*	
		For Class 56 Rating, Add	*618.71*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,178.96	609.25
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*349.46*	
		For Class 55 Rating, Add	*525.21*	
		For Class 56 Rating, Add	*698.71*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.35	612.41
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*390.10*	
		For Class 55 Rating, Add	*585.67*	
		For Class 56 Rating, Add	*778.71*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.73	615.56
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*430.75*	
		For Class 55 Rating, Add	*646.13*	
		For Class 56 Rating, Add	*858.71*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,005.12	618.72
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*471.40*	
		For Class 55 Rating, Add	*706.59*	
		For Class 56 Rating, Add	*938.71*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.50	621.88
		For Class 52 Rating, Deduct	*-367.21*	
		For Class 54 Rating, Add	*512.05*	
		For Class 55 Rating, Add	*767.05*	
		For Class 56 Rating, Add	*1,018.71*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,555.88	625.04
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*552.69*	
		For Class 55 Rating, Add	*827.50*	
		For Class 56 Rating, Add	*1,098.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,831.27	628.19
		For Class 52 Rating, Deduct	*-426.74*	
		For Class 54 Rating, Add	*593.34*	
		For Class 55 Rating, Add	*887.96*	
		For Class 56 Rating, Add	*1,178.71*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,106.64	631.35
		For Class 52 Rating, Deduct	*-456.51*	
		For Class 54 Rating, Add	*633.99*	
		For Class 55 Rating, Add	*948.42*	
		For Class 56 Rating, Add	*1,258.70*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,382.03	634.51
		For Class 52 Rating, Deduct	*-486.27*	
		For Class 54 Rating, Add	*674.64*	
		For Class 55 Rating, Add	*1,008.88*	
		For Class 56 Rating, Add	*1,338.70*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,657.41	637.66
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*715.28*	
		For Class 55 Rating, Add	*1,069.34*	
		For Class 56 Rating, Add	*1,418.70*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.80	640.82
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*755.93*	
		For Class 55 Rating, Add	*1,129.80*	
		For Class 56 Rating, Add	*1,498.70*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,208.18	643.97
		For Class 52 Rating, Deduct	*-575.57*	
		For Class 54 Rating, Add	*796.58*	
		For Class 55 Rating, Add	*1,190.26*	
		For Class 56 Rating, Add	*1,578.70*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,483.56	647.13
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*837.23*	
		For Class 55 Rating, Add	*1,250.71*	
		For Class 56 Rating, Add	*1,658.70*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,758.95	650.28
		For Class 52 Rating, Deduct	*-635.10*	
		For Class 54 Rating, Add	*877.87*	
		For Class 55 Rating, Add	*1,311.17*	
		For Class 56 Rating, Add	*1,738.70*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,034.33	653.44
		For Class 52 Rating, Deduct	*-664.87*	
		For Class 54 Rating, Add	*918.52*	
		For Class 55 Rating, Add	*1,371.63*	
		For Class 56 Rating, Add	*1,818.70*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,309.71	656.60
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*959.17*	
		For Class 55 Rating, Add	*1,432.09*	
		For Class 56 Rating, Add	*1,898.70*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,585.09	659.75
		For Class 52 Rating, Deduct	*-724.40*	
		For Class 54 Rating, Add	*999.81*	
		For Class 55 Rating, Add	*1,492.55*	
		For Class 56 Rating, Add	*1,978.70*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,860.47	662.91
		For Class 52 Rating, Deduct	*-754.17*	
		For Class 54 Rating, Add	*1,040.46*	
		For Class 55 Rating, Add	*1,553.01*	
		For Class 56 Rating, Add	*2,058.70*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,135.86	666.07
		For Class 52 Rating, Deduct	*-783.93*	
		For Class 54 Rating, Add	*1,081.11*	
		For Class 55 Rating, Add	*1,613.47*	
		For Class 56 Rating, Add	*2,138.70*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,411.24	669.23
		For Class 52 Rating, Deduct	*-813.70*	
		For Class 54 Rating, Add	*1,121.76*	
		For Class 55 Rating, Add	*1,673.92*	
		For Class 56 Rating, Add	*2,218.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,686.63	672.38
		For Class 52 Rating, Deduct	*-843.46*	
		For Class 54 Rating, Add	*1,162.40*	
		For Class 55 Rating, Add	*1,734.38*	
		For Class 56 Rating, Add	*2,298.69*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,962.01	675.54
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,203.05*	
		For Class 55 Rating, Add	*1,794.84*	
		For Class 56 Rating, Add	*2,378.69*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,237.40	678.71
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,243.70*	
		For Class 55 Rating, Add	*1,855.30*	
		For Class 56 Rating, Add	*2,458.69*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,512.77	681.87
		For Class 52 Rating, Deduct	*-932.76*	
		For Class 54 Rating, Add	*1,284.35*	
		For Class 55 Rating, Add	*1,915.76*	
		For Class 56 Rating, Add	*2,538.69*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,788.15	685.00
		For Class 52 Rating, Deduct	*-962.53*	
		For Class 54 Rating, Add	*1,324.99*	
		For Class 55 Rating, Add	*1,976.22*	
		For Class 56 Rating, Add	*2,618.69*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,063.54	688.17
		For Class 52 Rating, Deduct	*-992.29*	
		For Class 54 Rating, Add	*1,365.64*	
		For Class 55 Rating, Add	*2,036.68*	
		For Class 56 Rating, Add	*2,698.69*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,338.92	691.33
		For Class 52 Rating, Deduct	*-1,022.06*	
		For Class 54 Rating, Add	*1,406.29*	
		For Class 55 Rating, Add	*2,097.13*	
		For Class 56 Rating, Add	*2,778.69*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,614.31	694.48
		For Class 52 Rating, Deduct	*-1,051.83*	
		For Class 54 Rating, Add	*1,446.94*	
		For Class 55 Rating, Add	*2,157.59*	
		For Class 56 Rating, Add	*2,858.69*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,889.69	697.64
		For Class 52 Rating, Deduct	*-1,081.59*	
		For Class 54 Rating, Add	*1,487.58*	
		For Class 55 Rating, Add	*2,218.05*	
		For Class 56 Rating, Add	*2,938.69*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,165.07	700.80
		For Class 52 Rating, Deduct	*-1,111.36*	
		For Class 54 Rating, Add	*1,528.23*	
		For Class 55 Rating, Add	*2,278.51*	
		For Class 56 Rating, Add	*3,018.69*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,440.46	703.96
		For Class 52 Rating, Deduct	*-1,141.12*	
		For Class 54 Rating, Add	*1,568.88*	
		For Class 55 Rating, Add	*2,338.97*	
		For Class 56 Rating, Add	*3,098.69*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,715.83	707.11
		For Class 52 Rating, Deduct	*-1,170.89*	
		For Class 54 Rating, Add	*1,609.52*	
		For Class 55 Rating, Add	*2,399.43*	
		For Class 56 Rating, Add	*3,178.68*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,991.21	710.27
		For Class 52 Rating, Deduct	*-1,200.66*	
		For Class 54 Rating, Add	*1,650.17*	
		For Class 55 Rating, Add	*2,459.88*	
		For Class 56 Rating, Add	*3,258.68*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,266.59	713.43
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,690.82*	
		For Class 55 Rating, Add	*2,520.34*	
		For Class 56 Rating, Add	*3,338.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,541.97	716.58
		For Class 52 Rating, Deduct	*-1,260.19*	
		For Class 54 Rating, Add	*1,731.47*	
		For Class 55 Rating, Add	*2,580.80*	
		For Class 56 Rating, Add	*3,418.68*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,817.36	719.74
		For Class 52 Rating, Deduct	*-1,289.95*	
		For Class 54 Rating, Add	*1,772.11*	
		For Class 55 Rating, Add	*2,641.26*	
		For Class 56 Rating, Add	*3,498.68*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,092.74	722.89
		For Class 52 Rating, Deduct	*-1,319.72*	
		For Class 54 Rating, Add	*1,812.76*	
		For Class 55 Rating, Add	*2,701.72*	
		For Class 56 Rating, Add	*3,578.68*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.75	683.12
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*361.73*	
		For Class 55 Rating, Add	*544.15*	
		For Class 56 Rating, Add	*724.23*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,680.76	686.28
		For Class 52 Rating, Deduct	*-290.50*	
		For Class 54 Rating, Add	*408.62*	
		For Class 55 Rating, Add	*613.89*	
		For Class 56 Rating, Add	*816.51*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.77	689.42
		For Class 52 Rating, Deduct	*-324.85*	
		For Class 54 Rating, Add	*455.51*	
		For Class 55 Rating, Add	*683.63*	
		For Class 56 Rating, Add	*908.79*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,314.79	692.58
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*502.40*	
		For Class 55 Rating, Add	*753.37*	
		For Class 56 Rating, Add	*1,001.07*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.80	695.75
		For Class 52 Rating, Deduct	*-393.54*	
		For Class 54 Rating, Add	*549.30*	
		For Class 55 Rating, Add	*823.11*	
		For Class 56 Rating, Add	*1,093.35*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,948.82	698.89
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*596.19*	
		For Class 55 Rating, Add	*892.86*	
		For Class 56 Rating, Add	*1,185.63*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,265.83	702.05
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*643.08*	
		For Class 55 Rating, Add	*962.60*	
		For Class 56 Rating, Add	*1,277.91*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,582.84	705.22
		For Class 52 Rating, Deduct	*-496.58*	
		For Class 54 Rating, Add	*689.97*	
		For Class 55 Rating, Add	*1,032.34*	
		For Class 56 Rating, Add	*1,370.19*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,899.85	708.38
		For Class 52 Rating, Deduct	*-530.92*	
		For Class 54 Rating, Add	*736.86*	
		For Class 55 Rating, Add	*1,102.08*	
		For Class 56 Rating, Add	*1,462.47*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,216.86	711.53
		For Class 52 Rating, Deduct	*-565.27*	
		For Class 54 Rating, Add	*783.76*	
		For Class 55 Rating, Add	*1,171.82*	
		For Class 56 Rating, Add	*1,554.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,533.88	714.69
		For Class 52 Rating, Deduct	*-599.61*	
		For Class 54 Rating, Add	*830.65*	
		For Class 55 Rating, Add	*1,241.57*	
		For Class 56 Rating, Add	*1,647.03*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,850.89	717.85
		For Class 52 Rating, Deduct	*-633.96*	
		For Class 54 Rating, Add	*877.54*	
		For Class 55 Rating, Add	*1,311.31*	
		For Class 56 Rating, Add	*1,739.31*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,167.91	721.00
		For Class 52 Rating, Deduct	*-668.30*	
		For Class 54 Rating, Add	*924.43*	
		For Class 55 Rating, Add	*1,381.05*	
		For Class 56 Rating, Add	*1,831.59*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,484.92	724.16
		For Class 52 Rating, Deduct	*-702.65*	
		For Class 54 Rating, Add	*971.32*	
		For Class 55 Rating, Add	*1,450.79*	
		For Class 56 Rating, Add	*1,923.87*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,801.93	727.32
		For Class 52 Rating, Deduct	*-736.99*	
		For Class 54 Rating, Add	*1,018.21*	
		For Class 55 Rating, Add	*1,520.53*	
		For Class 56 Rating, Add	*2,016.15*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,118.95	730.48
		For Class 52 Rating, Deduct	*-771.34*	
		For Class 54 Rating, Add	*1,065.11*	
		For Class 55 Rating, Add	*1,590.28*	
		For Class 56 Rating, Add	*2,108.43*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,435.96	733.62
		For Class 52 Rating, Deduct	*-805.68*	
		For Class 54 Rating, Add	*1,112.00*	
		For Class 55 Rating, Add	*1,660.02*	
		For Class 56 Rating, Add	*2,200.71*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,752.98	736.78
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,158.89*	
		For Class 55 Rating, Add	*1,729.76*	
		For Class 56 Rating, Add	*2,293.00*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,069.99	739.94
		For Class 52 Rating, Deduct	*-874.38*	
		For Class 54 Rating, Add	*1,205.78*	
		For Class 55 Rating, Add	*1,799.50*	
		For Class 56 Rating, Add	*2,385.28*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,387.00	743.09
		For Class 52 Rating, Deduct	*-908.72*	
		For Class 54 Rating, Add	*1,252.68*	
		For Class 55 Rating, Add	*1,869.25*	
		For Class 56 Rating, Add	*2,477.56*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,704.02	746.25
		For Class 52 Rating, Deduct	*-943.07*	
		For Class 54 Rating, Add	*1,299.57*	
		For Class 55 Rating, Add	*1,938.99*	
		For Class 56 Rating, Add	*2,569.84*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,021.03	749.41
		For Class 52 Rating, Deduct	*-977.41*	
		For Class 54 Rating, Add	*1,346.46*	
		For Class 55 Rating, Add	*2,008.73*	
		For Class 56 Rating, Add	*2,662.12*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,338.05	752.57
		For Class 52 Rating, Deduct	*-1,011.76*	
		For Class 54 Rating, Add	*1,393.35*	
		For Class 55 Rating, Add	*2,078.47*	
		For Class 56 Rating, Add	*2,754.40*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,655.06	755.72
		For Class 52 Rating, Deduct	*-1,046.10*	
		For Class 54 Rating, Add	*1,440.24*	
		For Class 55 Rating, Add	*2,148.22*	
		For Class 56 Rating, Add	*2,846.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,972.08	758.88
		For Class 52 Rating, Deduct	*-1,080.45*	
		For Class 54 Rating, Add	*1,487.14*	
		For Class 55 Rating, Add	*2,217.96*	
		For Class 56 Rating, Add	*2,938.96*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,289.08	762.04
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,534.03*	
		For Class 55 Rating, Add	*2,287.70*	
		For Class 56 Rating, Add	*3,031.24*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,606.09	765.20
		For Class 52 Rating, Deduct	*-1,149.14*	
		For Class 54 Rating, Add	*1,580.92*	
		For Class 55 Rating, Add	*2,357.44*	
		For Class 56 Rating, Add	*3,123.52*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,923.11	768.34
		For Class 52 Rating, Deduct	*-1,183.48*	
		For Class 54 Rating, Add	*1,627.81*	
		For Class 55 Rating, Add	*2,427.18*	
		For Class 56 Rating, Add	*3,215.80*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,240.12	771.50
		For Class 52 Rating, Deduct	*-1,217.83*	
		For Class 54 Rating, Add	*1,674.70*	
		For Class 55 Rating, Add	*2,496.93*	
		For Class 56 Rating, Add	*3,308.08*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,557.14	774.66
		For Class 52 Rating, Deduct	*-1,252.17*	
		For Class 54 Rating, Add	*1,721.59*	
		For Class 55 Rating, Add	*2,566.67*	
		For Class 56 Rating, Add	*3,400.36*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,874.15	777.81
		For Class 52 Rating, Deduct	*-1,286.52*	
		For Class 54 Rating, Add	*1,768.49*	
		For Class 55 Rating, Add	*2,636.41*	
		For Class 56 Rating, Add	*3,492.64*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,191.16	780.97
		For Class 52 Rating, Deduct	*-1,320.86*	
		For Class 54 Rating, Add	*1,815.38*	
		For Class 55 Rating, Add	*2,706.15*	
		For Class 56 Rating, Add	*3,584.92*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,508.18	784.13
		For Class 52 Rating, Deduct	*-1,355.21*	
		For Class 54 Rating, Add	*1,862.27*	
		For Class 55 Rating, Add	*2,775.89*	
		For Class 56 Rating, Add	*3,677.20*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,825.18	787.30
		For Class 52 Rating, Deduct	*-1,389.56*	
		For Class 54 Rating, Add	*1,909.16*	
		For Class 55 Rating, Add	*2,845.64*	
		For Class 56 Rating, Add	*3,769.48*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,142.20	790.44
		For Class 52 Rating, Deduct	*-1,423.90*	
		For Class 54 Rating, Add	*1,956.05*	
		For Class 55 Rating, Add	*2,915.38*	
		For Class 56 Rating, Add	*3,861.76*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,459.21	793.61
		For Class 52 Rating, Deduct	*-1,458.25*	
		For Class 54 Rating, Add	*2,002.95*	
		For Class 55 Rating, Add	*2,985.12*	
		For Class 56 Rating, Add	*3,954.04*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,776.23	796.77
		For Class 52 Rating, Deduct	*-1,492.59*	
		For Class 54 Rating, Add	*2,049.84*	
		For Class 55 Rating, Add	*3,054.86*	
		For Class 56 Rating, Add	*4,046.32*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,093.24	799.91
		For Class 52 Rating, Deduct	*-1,526.94*	
		For Class 54 Rating, Add	*2,096.73*	
		For Class 55 Rating, Add	*3,124.60*	
		For Class 56 Rating, Add	*4,138.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,923.81	779.72
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*425.54*	
		For Class 55 Rating, Add	*639.91*	
		For Class 56 Rating, Add	*851.54*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,287.66	782.88
		For Class 52 Rating, Deduct	*-341.16*	
		For Class 54 Rating, Add	*479.46*	
		For Class 55 Rating, Add	*720.10*	
		For Class 56 Rating, Add	*957.64*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,651.50	786.03
		For Class 52 Rating, Deduct	*-380.66*	
		For Class 54 Rating, Add	*533.37*	
		For Class 55 Rating, Add	*800.29*	
		For Class 56 Rating, Add	*1,063.74*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,015.35	789.19
		For Class 52 Rating, Deduct	*-420.16*	
		For Class 54 Rating, Add	*587.29*	
		For Class 55 Rating, Add	*880.47*	
		For Class 56 Rating, Add	*1,169.83*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,379.19	792.35
		For Class 52 Rating, Deduct	*-459.65*	
		For Class 54 Rating, Add	*641.21*	
		For Class 55 Rating, Add	*960.66*	
		For Class 56 Rating, Add	*1,275.93*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,743.05	795.50
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*695.13*	
		For Class 55 Rating, Add	*1,040.85*	
		For Class 56 Rating, Add	*1,382.03*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,106.89	798.65
		For Class 52 Rating, Deduct	*-538.65*	
		For Class 54 Rating, Add	*749.04*	
		For Class 55 Rating, Add	*1,121.03*	
		For Class 56 Rating, Add	*1,488.12*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,470.75	801.81
		For Class 52 Rating, Deduct	*-578.15*	
		For Class 54 Rating, Add	*802.96*	
		For Class 55 Rating, Add	*1,201.22*	
		For Class 56 Rating, Add	*1,594.22*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,834.59	804.97
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*856.88*	
		For Class 55 Rating, Add	*1,281.40*	
		For Class 56 Rating, Add	*1,700.31*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,198.45	808.12
		For Class 52 Rating, Deduct	*-657.14*	
		For Class 54 Rating, Add	*910.79*	
		For Class 55 Rating, Add	*1,361.59*	
		For Class 56 Rating, Add	*1,806.41*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,562.28	811.28
		For Class 52 Rating, Deduct	*-696.64*	
		For Class 54 Rating, Add	*964.71*	
		For Class 55 Rating, Add	*1,441.78*	
		For Class 56 Rating, Add	*1,912.51*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,926.13	814.44
		For Class 52 Rating, Deduct	*-736.14*	
		For Class 54 Rating, Add	*1,018.63*	
		For Class 55 Rating, Add	*1,521.96*	
		For Class 56 Rating, Add	*2,018.60*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,289.98	817.59
		For Class 52 Rating, Deduct	*-775.63*	
		For Class 54 Rating, Add	*1,072.55*	
		For Class 55 Rating, Add	*1,602.15*	
		For Class 56 Rating, Add	*2,124.70*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,653.83	820.75
		For Class 52 Rating, Deduct	*-815.13*	
		For Class 54 Rating, Add	*1,126.46*	
		For Class 55 Rating, Add	*1,682.34*	
		For Class 56 Rating, Add	*2,230.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,017.68	823.91
		For Class 52 Rating, Deduct	*-854.63*	
		For Class 54 Rating, Add	*1,180.38*	
		For Class 55 Rating, Add	*1,762.52*	
		For Class 56 Rating, Add	*2,336.89*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,381.53	827.07
		For Class 52 Rating, Deduct	*-894.12*	
		For Class 54 Rating, Add	*1,234.30*	
		For Class 55 Rating, Add	*1,842.71*	
		For Class 56 Rating, Add	*2,442.99*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,745.37	830.22
		For Class 52 Rating, Deduct	*-933.62*	
		For Class 54 Rating, Add	*1,288.21*	
		For Class 55 Rating, Add	*1,922.89*	
		For Class 56 Rating, Add	*2,549.09*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,109.23	833.38
		For Class 52 Rating, Deduct	*-973.12*	
		For Class 54 Rating, Add	*1,342.13*	
		For Class 55 Rating, Add	*2,003.08*	
		For Class 56 Rating, Add	*2,655.18*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,473.06	836.54
		For Class 52 Rating, Deduct	*-1,012.61*	
		For Class 54 Rating, Add	*1,396.05*	
		For Class 55 Rating, Add	*2,083.27*	
		For Class 56 Rating, Add	*2,761.28*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,836.92	839.70
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,449.97*	
		For Class 55 Rating, Add	*2,163.45*	
		For Class 56 Rating, Add	*2,867.38*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,200.76	842.84
		For Class 52 Rating, Deduct	*-1,091.61*	
		For Class 54 Rating, Add	*1,503.88*	
		For Class 55 Rating, Add	*2,243.64*	
		For Class 56 Rating, Add	*2,973.47*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,564.62	846.00
		For Class 52 Rating, Deduct	*-1,131.11*	
		For Class 54 Rating, Add	*1,557.80*	
		For Class 55 Rating, Add	*2,323.83*	
		For Class 56 Rating, Add	*3,079.57*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,928.46	849.16
		For Class 52 Rating, Deduct	*-1,170.60*	
		For Class 54 Rating, Add	*1,611.72*	
		For Class 55 Rating, Add	*2,404.01*	
		For Class 56 Rating, Add	*3,185.66*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,292.31	852.31
		For Class 52 Rating, Deduct	*-1,210.10*	
		For Class 54 Rating, Add	*1,665.63*	
		For Class 55 Rating, Add	*2,484.20*	
		For Class 56 Rating, Add	*3,291.76*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,656.16	855.47
		For Class 52 Rating, Deduct	*-1,249.60*	
		For Class 54 Rating, Add	*1,719.55*	
		For Class 55 Rating, Add	*2,564.38*	
		For Class 56 Rating, Add	*3,397.86*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,020.01	858.63
		For Class 52 Rating, Deduct	*-1,289.10*	
		For Class 54 Rating, Add	*1,773.47*	
		For Class 55 Rating, Add	*2,644.57*	
		For Class 56 Rating, Add	*3,503.95*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,383.85	861.80
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,827.39*	
		For Class 55 Rating, Add	*2,724.76*	
		For Class 56 Rating, Add	*3,610.05*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,747.70	864.94
		For Class 52 Rating, Deduct	*-1,368.09*	
		For Class 54 Rating, Add	*1,881.30*	
		For Class 55 Rating, Add	*2,804.94*	
		For Class 56 Rating, Add	*3,716.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,111.54	868.11
		For Class 52 Rating, Deduct	*-1,407.59*	
		For Class 54 Rating, Add	*1,935.22*	
		For Class 55 Rating, Add	*2,885.13*	
		For Class 56 Rating, Add	*3,822.24*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,475.40	871.27
		For Class 52 Rating, Deduct	*-1,447.08*	
		For Class 54 Rating, Add	*1,989.14*	
		For Class 55 Rating, Add	*2,965.32*	
		For Class 56 Rating, Add	*3,928.34*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,839.24	874.41
		For Class 52 Rating, Deduct	*-1,486.58*	
		For Class 54 Rating, Add	*2,043.05*	
		For Class 55 Rating, Add	*3,045.50*	
		For Class 56 Rating, Add	*4,034.43*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,203.10	877.57
		For Class 52 Rating, Deduct	*-1,526.08*	
		For Class 54 Rating, Add	*2,096.97*	
		For Class 55 Rating, Add	*3,125.69*	
		For Class 56 Rating, Add	*4,140.53*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,566.94	880.73
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,150.89*	
		For Class 55 Rating, Add	*3,205.87*	
		For Class 56 Rating, Add	*4,246.63*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,930.80	883.89
		For Class 52 Rating, Deduct	*-1,605.07*	
		For Class 54 Rating, Add	*2,204.81*	
		For Class 55 Rating, Add	*3,286.06*	
		For Class 56 Rating, Add	*4,352.73*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,294.64	887.04
		For Class 52 Rating, Deduct	*-1,644.57*	
		For Class 54 Rating, Add	*2,258.72*	
		For Class 55 Rating, Add	*3,366.25*	
		For Class 56 Rating, Add	*4,458.82*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,658.48	890.20
		For Class 52 Rating, Deduct	*-1,684.07*	
		For Class 54 Rating, Add	*2,312.64*	
		For Class 55 Rating, Add	*3,446.43*	
		For Class 56 Rating, Add	*4,564.92*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,022.33	893.36
		For Class 52 Rating, Deduct	*-1,723.56*	
		For Class 54 Rating, Add	*2,366.56*	
		For Class 55 Rating, Add	*3,526.62*	
		For Class 56 Rating, Add	*4,671.01*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,386.18	896.51
		For Class 52 Rating, Deduct	*-1,763.06*	
		For Class 54 Rating, Add	*2,420.47*	
		For Class 55 Rating, Add	*3,606.81*	
		For Class 56 Rating, Add	*4,777.11*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,820.75	921.76
		For Class 52 Rating, Deduct	*-376.65*	
		For Class 54 Rating, Add	*530.38*	
		For Class 55 Rating, Add	*797.10*	
		For Class 56 Rating, Add	*1,060.40*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,270.46	924.92
		For Class 52 Rating, Deduct	*-425.60*	
		For Class 54 Rating, Add	*597.18*	
		For Class 55 Rating, Add	*896.43*	
		For Class 56 Rating, Add	*1,191.82*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,720.16	928.08
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*663.97*	
		For Class 55 Rating, Add	*995.77*	
		For Class 56 Rating, Add	*1,323.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,169.88	931.23
		For Class 52 Rating, Deduct	*-523.48*	
		For Class 54 Rating, Add	*730.77*	
		For Class 55 Rating, Add	*1,095.10*	
		For Class 56 Rating, Add	*1,454.67*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,619.59	934.39
		For Class 52 Rating, Deduct	*-572.42*	
		For Class 54 Rating, Add	*797.57*	
		For Class 55 Rating, Add	*1,194.43*	
		For Class 56 Rating, Add	*1,586.10*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,069.31	937.55
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*864.36*	
		For Class 55 Rating, Add	*1,293.77*	
		For Class 56 Rating, Add	*1,717.53*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,519.01	940.71
		For Class 52 Rating, Deduct	*-670.31*	
		For Class 54 Rating, Add	*931.16*	
		For Class 55 Rating, Add	*1,393.10*	
		For Class 56 Rating, Add	*1,848.95*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,968.71	943.86
		For Class 52 Rating, Deduct	*-719.25*	
		For Class 54 Rating, Add	*997.95*	
		For Class 55 Rating, Add	*1,492.43*	
		For Class 56 Rating, Add	*1,980.38*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,418.43	947.02
		For Class 52 Rating, Deduct	*-768.19*	
		For Class 54 Rating, Add	*1,064.75*	
		For Class 55 Rating, Add	*1,591.77*	
		For Class 56 Rating, Add	*2,111.80*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,868.14	950.19
		For Class 52 Rating, Deduct	*-817.13*	
		For Class 54 Rating, Add	*1,131.55*	
		For Class 55 Rating, Add	*1,691.10*	
		For Class 56 Rating, Add	*2,243.23*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,317.86	953.32
		For Class 52 Rating, Deduct	*-866.08*	
		For Class 54 Rating, Add	*1,198.34*	
		For Class 55 Rating, Add	*1,790.44*	
		For Class 56 Rating, Add	*2,374.66*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,767.57	956.48
		For Class 52 Rating, Deduct	*-915.02*	
		For Class 54 Rating, Add	*1,265.14*	
		For Class 55 Rating, Add	*1,889.77*	
		For Class 56 Rating, Add	*2,506.08*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.29	959.65
		For Class 52 Rating, Deduct	*-963.96*	
		For Class 54 Rating, Add	*1,331.94*	
		For Class 55 Rating, Add	*1,989.11*	
		For Class 56 Rating, Add	*2,637.51*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,666.99	962.81
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,398.73*	
		For Class 55 Rating, Add	*2,088.44*	
		For Class 56 Rating, Add	*2,768.93*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,116.69	965.96
		For Class 52 Rating, Deduct	*-1,061.84*	
		For Class 54 Rating, Add	*1,465.53*	
		For Class 55 Rating, Add	*2,187.77*	
		For Class 56 Rating, Add	*2,900.36*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,566.41	969.12
		For Class 52 Rating, Deduct	*-1,110.79*	
		For Class 54 Rating, Add	*1,532.33*	
		For Class 55 Rating, Add	*2,287.11*	
		For Class 56 Rating, Add	*3,031.79*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,016.12	972.28
		For Class 52 Rating, Deduct	*-1,159.73*	
		For Class 54 Rating, Add	*1,599.12*	
		For Class 55 Rating, Add	*2,386.44*	
		For Class 56 Rating, Add	*3,163.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,465.84	975.43
		For Class 52 Rating, Deduct	*-1,208.67*	
		For Class 54 Rating, Add	*1,665.92*	
		For Class 55 Rating, Add	*2,485.77*	
		For Class 56 Rating, Add	*3,294.64*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,915.55	978.59
		For Class 52 Rating, Deduct	*-1,257.61*	
		For Class 54 Rating, Add	*1,732.72*	
		For Class 55 Rating, Add	*2,585.11*	
		For Class 56 Rating, Add	*3,426.07*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,365.25	981.75
		For Class 52 Rating, Deduct	*-1,306.55*	
		For Class 54 Rating, Add	*1,799.51*	
		For Class 55 Rating, Add	*2,684.44*	
		For Class 56 Rating, Add	*3,557.49*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,814.97	984.91
		For Class 52 Rating, Deduct	*-1,355.50*	
		For Class 54 Rating, Add	*1,866.31*	
		For Class 55 Rating, Add	*2,783.77*	
		For Class 56 Rating, Add	*3,688.92*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,264.68	988.06
		For Class 52 Rating, Deduct	*-1,404.44*	
		For Class 54 Rating, Add	*1,933.11*	
		For Class 55 Rating, Add	*2,883.11*	
		For Class 56 Rating, Add	*3,820.34*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,714.39	991.22
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,999.90*	
		For Class 55 Rating, Add	*2,982.44*	
		For Class 56 Rating, Add	*3,951.77*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,164.10	994.38
		For Class 52 Rating, Deduct	*-1,502.32*	
		For Class 54 Rating, Add	*2,066.70*	
		For Class 55 Rating, Add	*3,081.78*	
		For Class 56 Rating, Add	*4,083.19*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,613.82	997.53
		For Class 52 Rating, Deduct	*-1,551.27*	
		For Class 54 Rating, Add	*2,133.50*	
		For Class 55 Rating, Add	*3,181.11*	
		For Class 56 Rating, Add	*4,214.62*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,063.52	1,000.68
		For Class 52 Rating, Deduct	*-1,600.21*	
		For Class 54 Rating, Add	*2,200.29*	
		For Class 55 Rating, Add	*3,280.44*	
		For Class 56 Rating, Add	*4,346.05*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,513.23	1,003.84
		For Class 52 Rating, Deduct	*-1,649.15*	
		For Class 54 Rating, Add	*2,267.09*	
		For Class 55 Rating, Add	*3,379.78*	
		For Class 56 Rating, Add	*4,477.47*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,962.95	1,007.00
		For Class 52 Rating, Deduct	*-1,698.09*	
		For Class 54 Rating, Add	*2,333.89*	
		For Class 55 Rating, Add	*3,479.11*	
		For Class 56 Rating, Add	*4,608.90*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,412.66	1,010.15
		For Class 52 Rating, Deduct	*-1,747.03*	
		For Class 54 Rating, Add	*2,400.68*	
		For Class 55 Rating, Add	*3,578.45*	
		For Class 56 Rating, Add	*4,740.32*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,943.69	1,066.98
		For Class 52 Rating, Deduct	*-1,795.98*	
		For Class 54 Rating, Add	*2,468.46*	
		For Class 55 Rating, Add	*3,679.73*	
		For Class 56 Rating, Add	*4,874.68*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,393.39	1,070.14
		For Class 52 Rating, Deduct	*-1,844.92*	
		For Class 54 Rating, Add	*2,535.25*	
		For Class 55 Rating, Add	*3,779.07*	
		For Class 56 Rating, Add	*5,006.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,843.10	1,073.29
		For Class 52 Rating, Deduct	*-1,893.86*	
		For Class 54 Rating, Add	*2,602.05*	
		For Class 55 Rating, Add	*3,878.40*	
		For Class 56 Rating, Add	*5,137.53*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,292.81	1,076.45
		For Class 52 Rating, Deduct	*-1,942.80*	
		For Class 54 Rating, Add	*2,668.85*	
		For Class 55 Rating, Add	*3,977.73*	
		For Class 56 Rating, Add	*5,268.96*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,742.52	1,079.60
		For Class 52 Rating, Deduct	*-1,991.74*	
		For Class 54 Rating, Add	*2,735.64*	
		For Class 55 Rating, Add	*4,077.07*	
		For Class 56 Rating, Add	*5,400.38*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,192.24	1,082.76
		For Class 52 Rating, Deduct	*-2,040.69*	
		For Class 54 Rating, Add	*2,802.44*	
		For Class 55 Rating, Add	*4,176.40*	
		For Class 56 Rating, Add	*5,531.81*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,641.95	1,085.92
		For Class 52 Rating, Deduct	*-2,089.63*	
		For Class 54 Rating, Add	*2,869.24*	
		For Class 55 Rating, Add	*4,275.73*	
		For Class 56 Rating, Add	*5,663.23*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,091.67	1,089.07
		For Class 52 Rating, Deduct	*-2,138.57*	
		For Class 54 Rating, Add	*2,936.03*	
		For Class 55 Rating, Add	*4,375.07*	
		For Class 56 Rating, Add	*5,794.66*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,541.37	1,092.23
		For Class 52 Rating, Deduct	*-2,187.51*	
		For Class 54 Rating, Add	*3,002.83*	
		For Class 55 Rating, Add	*4,474.40*	
		For Class 56 Rating, Add	*5,926.09*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,382.56	1,300.58
		For Class 52 Rating, Deduct	*-595.32*	
		For Class 54 Rating, Add	*835.45*	
		For Class 55 Rating, Add	*1,254.17*	
		For Class 56 Rating, Add	*1,667.48*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,030.02	1,303.73
		For Class 52 Rating, Deduct	*-666.01*	
		For Class 54 Rating, Add	*931.90*	
		For Class 55 Rating, Add	*1,397.60*	
		For Class 56 Rating, Add	*1,857.24*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,677.47	1,306.88
		For Class 52 Rating, Deduct	*-736.71*	
		For Class 54 Rating, Add	*1,028.36*	
		For Class 55 Rating, Add	*1,541.03*	
		For Class 56 Rating, Add	*2,047.00*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,324.94	1,310.04
		For Class 52 Rating, Deduct	*-807.40*	
		For Class 54 Rating, Add	*1,124.82*	
		For Class 55 Rating, Add	*1,684.46*	
		For Class 56 Rating, Add	*2,236.76*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,972.39	1,313.21
		For Class 52 Rating, Deduct	*-878.10*	
		For Class 54 Rating, Add	*1,221.28*	
		For Class 55 Rating, Add	*1,827.89*	
		For Class 56 Rating, Add	*2,426.52*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,619.85	1,316.35
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,317.74*	
		For Class 55 Rating, Add	*1,971.32*	
		For Class 56 Rating, Add	*2,616.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,267.31	1,319.52
		For Class 52 Rating, Deduct	*-1,019.48*	
		For Class 54 Rating, Add	*1,414.20*	
		For Class 55 Rating, Add	*2,114.76*	
		For Class 56 Rating, Add	*2,806.05*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,914.76	1,322.68
		For Class 52 Rating, Deduct	*-1,090.18*	
		For Class 54 Rating, Add	*1,510.66*	
		For Class 55 Rating, Add	*2,258.19*	
		For Class 56 Rating, Add	*2,995.81*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,562.22	1,325.82
		For Class 52 Rating, Deduct	*-1,160.87*	
		For Class 54 Rating, Add	*1,607.11*	
		For Class 55 Rating, Add	*2,401.62*	
		For Class 56 Rating, Add	*3,185.57*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,209.67	1,328.99
		For Class 52 Rating, Deduct	*-1,231.57*	
		For Class 54 Rating, Add	*1,703.57*	
		For Class 55 Rating, Add	*2,545.05*	
		For Class 56 Rating, Add	*3,375.33*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,857.14	1,332.15
		For Class 52 Rating, Deduct	*-1,302.26*	
		For Class 54 Rating, Add	*1,800.03*	
		For Class 55 Rating, Add	*2,688.48*	
		For Class 56 Rating, Add	*3,565.09*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,504.59	1,335.31
		For Class 52 Rating, Deduct	*-1,372.96*	
		For Class 54 Rating, Add	*1,896.49*	
		For Class 55 Rating, Add	*2,831.91*	
		For Class 56 Rating, Add	*3,754.85*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,152.04	1,338.46
		For Class 52 Rating, Deduct	*-1,443.65*	
		For Class 54 Rating, Add	*1,992.95*	
		For Class 55 Rating, Add	*2,975.34*	
		For Class 56 Rating, Add	*3,944.61*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,799.51	1,341.62
		For Class 52 Rating, Deduct	*-1,514.34*	
		For Class 54 Rating, Add	*2,089.41*	
		For Class 55 Rating, Add	*3,118.77*	
		For Class 56 Rating, Add	*4,134.37*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,446.96	1,344.78
		For Class 52 Rating, Deduct	*-1,585.04*	
		For Class 54 Rating, Add	*2,185.86*	
		For Class 55 Rating, Add	*3,262.20*	
		For Class 56 Rating, Add	*4,324.13*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,094.43	1,347.92
		For Class 52 Rating, Deduct	*-1,655.73*	
		For Class 54 Rating, Add	*2,282.32*	
		For Class 55 Rating, Add	*3,405.64*	
		For Class 56 Rating, Add	*4,513.90*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,741.87	1,351.08
		For Class 52 Rating, Deduct	*-1,726.43*	
		For Class 54 Rating, Add	*2,378.78*	
		For Class 55 Rating, Add	*3,549.07*	
		For Class 56 Rating, Add	*4,703.66*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,389.34	1,354.24
		For Class 52 Rating, Deduct	*-1,797.12*	
		For Class 54 Rating, Add	*2,475.24*	
		For Class 55 Rating, Add	*3,692.50*	
		For Class 56 Rating, Add	*4,893.42*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,036.79	1,357.40
		For Class 52 Rating, Deduct	*-1,867.81*	
		For Class 54 Rating, Add	*2,571.70*	
		For Class 55 Rating, Add	*3,835.93*	
		For Class 56 Rating, Add	*5,083.18*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,684.24	1,360.55
		For Class 52 Rating, Deduct	*-1,938.51*	
		For Class 54 Rating, Add	*2,668.16*	
		For Class 55 Rating, Add	*3,979.36*	
		For Class 56 Rating, Add	*5,272.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,331.71	1,363.71
		For Class 52 Rating, Deduct	*-2,009.20*	
		For Class 54 Rating, Add	*2,764.62*	
		For Class 55 Rating, Add	*4,122.79*	
		For Class 56 Rating, Add	*5,462.70*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,979.16	1,366.87
		For Class 52 Rating, Deduct	*-2,079.90*	
		For Class 54 Rating, Add	*2,861.07*	
		For Class 55 Rating, Add	*4,266.22*	
		For Class 56 Rating, Add	*5,652.46*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,626.63	1,370.02
		For Class 52 Rating, Deduct	*-2,150.59*	
		For Class 54 Rating, Add	*2,957.53*	
		For Class 55 Rating, Add	*4,409.65*	
		For Class 56 Rating, Add	*5,842.22*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,274.08	1,373.18
		For Class 52 Rating, Deduct	*-2,221.29*	
		For Class 54 Rating, Add	*3,053.99*	
		For Class 55 Rating, Add	*4,553.08*	
		For Class 56 Rating, Add	*6,031.98*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,921.54	1,376.34
		For Class 52 Rating, Deduct	*-2,291.98*	
		For Class 54 Rating, Add	*3,150.45*	
		For Class 55 Rating, Add	*4,696.52*	
		For Class 56 Rating, Add	*6,221.75*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,568.99	1,379.50
		For Class 52 Rating, Deduct	*-2,362.67*	
		For Class 54 Rating, Add	*3,246.91*	
		For Class 55 Rating, Add	*4,839.95*	
		For Class 56 Rating, Add	*6,411.51*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,216.44	1,382.64
		For Class 52 Rating, Deduct	*-2,433.37*	
		For Class 54 Rating, Add	*3,343.37*	
		For Class 55 Rating, Add	*4,983.38*	
		For Class 56 Rating, Add	*6,601.27*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,863.91	1,385.80
		For Class 52 Rating, Deduct	*-2,504.06*	
		For Class 54 Rating, Add	*3,439.83*	
		For Class 55 Rating, Add	*5,126.81*	
		For Class 56 Rating, Add	*6,791.03*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,511.36	1,388.96
		For Class 52 Rating, Deduct	*-2,574.76*	
		For Class 54 Rating, Add	*3,536.28*	
		For Class 55 Rating, Add	*5,270.24*	
		For Class 56 Rating, Add	*6,980.79*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,158.83	1,392.12
		For Class 52 Rating, Deduct	*-2,645.45*	
		For Class 54 Rating, Add	*3,632.74*	
		For Class 55 Rating, Add	*5,413.67*	
		For Class 56 Rating, Add	*7,170.55*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,806.28	1,395.27
		For Class 52 Rating, Deduct	*-2,716.14*	
		For Class 54 Rating, Add	*3,729.20*	
		For Class 55 Rating, Add	*5,557.10*	
		For Class 56 Rating, Add	*7,360.31*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,453.74	1,398.43
		For Class 52 Rating, Deduct	*-2,786.84*	
		For Class 54 Rating, Add	*3,825.66*	
		For Class 55 Rating, Add	*5,700.53*	
		For Class 56 Rating, Add	*7,550.07*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,101.20	1,401.60
		For Class 52 Rating, Deduct	*-2,857.53*	
		For Class 54 Rating, Add	*3,922.12*	
		For Class 55 Rating, Add	*5,843.97*	
		For Class 56 Rating, Add	*7,739.83*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,748.64	1,404.74
		For Class 52 Rating, Deduct	*-2,928.23*	
		For Class 54 Rating, Add	*4,018.58*	
		For Class 55 Rating, Add	*5,987.40*	
		For Class 56 Rating, Add	*7,929.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,396.11	1,407.90
		For Class 52 Rating, Deduct	*-2,998.92*	
		For Class 54 Rating, Add	*4,115.04*	
		For Class 55 Rating, Add	*6,130.83*	
		For Class 56 Rating, Add	*8,119.36*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,043.56	1,411.07
		For Class 52 Rating, Deduct	*-3,069.61*	
		For Class 54 Rating, Add	*4,211.49*	
		For Class 55 Rating, Add	*6,274.26*	
		For Class 56 Rating, Add	*8,309.12*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,691.02	1,414.23
		For Class 52 Rating, Deduct	*-3,140.31*	
		For Class 54 Rating, Add	*4,307.95*	
		For Class 55 Rating, Add	*6,417.69*	
		For Class 56 Rating, Add	*8,498.88*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,338.48	1,417.38
		For Class 52 Rating, Deduct	*-3,211.00*	
		For Class 54 Rating, Add	*4,404.41*	
		For Class 55 Rating, Add	*6,561.12*	
		For Class 56 Rating, Add	*8,688.64*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,203.58	1,647.82
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,185.99*	
		For Class 55 Rating, Add	*1,778.56*	
		For Class 56 Rating, Add	*2,363.41*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,082.61	1,650.98
		For Class 52 Rating, Deduct	*-943.92*	
		For Class 54 Rating, Add	*1,317.19*	
		For Class 55 Rating, Add	*1,973.63*	
		For Class 56 Rating, Add	*2,621.49*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,961.64	1,654.13
		For Class 52 Rating, Deduct	*-1,040.09*	
		For Class 54 Rating, Add	*1,448.38*	
		For Class 55 Rating, Add	*2,168.70*	
		For Class 56 Rating, Add	*2,879.56*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,840.67	1,657.28
		For Class 52 Rating, Deduct	*-1,136.26*	
		For Class 54 Rating, Add	*1,579.58*	
		For Class 55 Rating, Add	*2,363.77*	
		For Class 56 Rating, Add	*3,137.64*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,719.69	1,660.44
		For Class 52 Rating, Deduct	*-1,232.43*	
		For Class 54 Rating, Add	*1,710.77*	
		For Class 55 Rating, Add	*2,558.84*	
		For Class 56 Rating, Add	*3,395.71*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,598.71	1,663.59
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,841.96*	
		For Class 55 Rating, Add	*2,753.91*	
		For Class 56 Rating, Add	*3,653.78*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,477.75	1,666.75
		For Class 52 Rating, Deduct	*-1,424.76*	
		For Class 54 Rating, Add	*1,973.16*	
		For Class 55 Rating, Add	*2,948.99*	
		For Class 56 Rating, Add	*3,911.86*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,356.77	1,669.91
		For Class 52 Rating, Deduct	*-1,520.93*	
		For Class 54 Rating, Add	*2,104.35*	
		For Class 55 Rating, Add	*3,144.06*	
		For Class 56 Rating, Add	*4,169.93*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,235.81	1,673.08
		For Class 52 Rating, Deduct	*-1,617.09*	
		For Class 54 Rating, Add	*2,235.55*	
		For Class 55 Rating, Add	*3,339.13*	
		For Class 56 Rating, Add	*4,428.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,114.83	1,676.22
		For Class 52 Rating, Deduct	*-1,713.26*	
		For Class 54 Rating, Add	*2,366.74*	
		For Class 55 Rating, Add	*3,534.20*	
		For Class 56 Rating, Add	*4,686.08*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,993.86	1,679.38
		For Class 52 Rating, Deduct	*-1,809.43*	
		For Class 54 Rating, Add	*2,497.94*	
		For Class 55 Rating, Add	*3,729.27*	
		For Class 56 Rating, Add	*4,944.16*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,872.89	1,682.55
		For Class 52 Rating, Deduct	*-1,905.59*	
		For Class 54 Rating, Add	*2,629.13*	
		For Class 55 Rating, Add	*3,924.34*	
		For Class 56 Rating, Add	*5,202.23*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,751.91	1,685.69
		For Class 52 Rating, Deduct	*-2,001.76*	
		For Class 54 Rating, Add	*2,760.32*	
		For Class 55 Rating, Add	*4,119.41*	
		For Class 56 Rating, Add	*5,460.31*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,630.94	1,688.86
		For Class 52 Rating, Deduct	*-2,097.93*	
		For Class 54 Rating, Add	*2,891.52*	
		For Class 55 Rating, Add	*4,314.48*	
		For Class 56 Rating, Add	*5,718.38*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,509.97	1,692.02
		For Class 52 Rating, Deduct	*-2,194.10*	
		For Class 54 Rating, Add	*3,022.71*	
		For Class 55 Rating, Add	*4,509.56*	
		For Class 56 Rating, Add	*5,976.46*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,389.00	1,695.18
		For Class 52 Rating, Deduct	*-2,290.26*	
		For Class 54 Rating, Add	*3,153.91*	
		For Class 55 Rating, Add	*4,704.63*	
		For Class 56 Rating, Add	*6,234.53*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,268.03	1,698.32
		For Class 52 Rating, Deduct	*-2,386.43*	
		For Class 54 Rating, Add	*3,285.10*	
		For Class 55 Rating, Add	*4,899.70*	
		For Class 56 Rating, Add	*6,492.60*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,147.05	1,701.48
		For Class 52 Rating, Deduct	*-2,482.60*	
		For Class 54 Rating, Add	*3,416.29*	
		For Class 55 Rating, Add	*5,094.77*	
		For Class 56 Rating, Add	*6,750.68*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,026.09	1,704.64
		For Class 52 Rating, Deduct	*-2,578.76*	
		For Class 54 Rating, Add	*3,547.49*	
		For Class 55 Rating, Add	*5,289.84*	
		For Class 56 Rating, Add	*7,008.75*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,905.11	1,707.80
		For Class 52 Rating, Deduct	*-2,674.93*	
		For Class 54 Rating, Add	*3,678.68*	
		For Class 55 Rating, Add	*5,484.91*	
		For Class 56 Rating, Add	*7,266.83*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,784.14	1,710.95
		For Class 52 Rating, Deduct	*-2,771.10*	
		For Class 54 Rating, Add	*3,809.88*	
		For Class 55 Rating, Add	*5,679.99*	
		For Class 56 Rating, Add	*7,524.90*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,663.16	1,714.11
		For Class 52 Rating, Deduct	*-2,867.26*	
		For Class 54 Rating, Add	*3,941.07*	
		For Class 55 Rating, Add	*5,875.06*	
		For Class 56 Rating, Add	*7,782.98*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,542.19	1,717.27
		For Class 52 Rating, Deduct	*-2,963.43*	
		For Class 54 Rating, Add	*4,072.26*	
		For Class 55 Rating, Add	*6,070.13*	
		For Class 56 Rating, Add	*8,041.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,421.22	1,720.42
		For Class 52 Rating, Deduct	*-3,059.60*	
		For Class 54 Rating, Add	*4,203.46*	
		For Class 55 Rating, Add	*6,265.20*	
		For Class 56 Rating, Add	*8,299.12*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,300.25	1,723.58
		For Class 52 Rating, Deduct	*-3,155.76*	
		For Class 54 Rating, Add	*4,334.65*	
		For Class 55 Rating, Add	*6,460.27*	
		For Class 56 Rating, Add	*8,557.20*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,179.29	1,726.74
		For Class 52 Rating, Deduct	*-3,251.93*	
		For Class 54 Rating, Add	*4,465.85*	
		For Class 55 Rating, Add	*6,655.34*	
		For Class 56 Rating, Add	*8,815.28*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,058.31	1,729.90
		For Class 52 Rating, Deduct	*-3,348.10*	
		For Class 54 Rating, Add	*4,597.04*	
		For Class 55 Rating, Add	*6,850.41*	
		For Class 56 Rating, Add	*9,073.35*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,937.35	1,733.04
		For Class 52 Rating, Deduct	*-3,444.27*	
		For Class 54 Rating, Add	*4,728.24*	
		For Class 55 Rating, Add	*7,045.49*	
		For Class 56 Rating, Add	*9,331.43*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,816.36	1,736.20
		For Class 52 Rating, Deduct	*-3,540.43*	
		For Class 54 Rating, Add	*4,859.43*	
		For Class 55 Rating, Add	*7,240.56*	
		For Class 56 Rating, Add	*9,589.50*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,695.39	1,739.36
		For Class 52 Rating, Deduct	*-3,636.60*	
		For Class 54 Rating, Add	*4,990.62*	
		For Class 55 Rating, Add	*7,435.63*	
		For Class 56 Rating, Add	*9,847.57*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,574.42	1,742.51
		For Class 52 Rating, Deduct	*-3,732.77*	
		For Class 54 Rating, Add	*5,121.82*	
		For Class 55 Rating, Add	*7,630.70*	
		For Class 56 Rating, Add	*10,105.65*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,453.45	1,745.67
		For Class 52 Rating, Deduct	*-3,828.93*	
		For Class 54 Rating, Add	*5,253.01*	
		For Class 55 Rating, Add	*7,825.77*	
		For Class 56 Rating, Add	*10,363.72*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,332.48	1,748.83
		For Class 52 Rating, Deduct	*-3,925.10*	
		For Class 54 Rating, Add	*5,384.21*	
		For Class 55 Rating, Add	*8,020.84*	
		For Class 56 Rating, Add	*10,621.80*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,211.51	1,751.99
		For Class 52 Rating, Deduct	*-4,021.27*	
		For Class 54 Rating, Add	*5,515.40*	
		For Class 55 Rating, Add	*8,215.92*	
		For Class 56 Rating, Add	*10,879.87*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,090.53	1,755.14
		For Class 52 Rating, Deduct	*-4,117.43*	
		For Class 54 Rating, Add	*5,646.59*	
		For Class 55 Rating, Add	*8,410.99*	
		For Class 56 Rating, Add	*11,137.95*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,969.57	1,758.30
		For Class 52 Rating, Deduct	*-4,213.60*	
		For Class 54 Rating, Add	*5,777.79*	
		For Class 55 Rating, Add	*8,606.06*	
		For Class 56 Rating, Add	*11,396.02*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,848.59	1,761.46
		For Class 52 Rating, Deduct	*-4,309.77*	
		For Class 54 Rating, Add	*5,908.98*	
		For Class 55 Rating, Add	*8,801.13*	
		For Class 56 Rating, Add	*11,654.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,727.62	1,764.61
		For Class 52 Rating, Deduct	*-4,405.94*	
		For Class 54 Rating, Add	*6,040.18*	
		For Class 55 Rating, Add	*8,996.20*	
		For Class 56 Rating, Add	*11,912.17*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,479.39	2,077.14
		For Class 52 Rating, Deduct	*-1,136.54*	
		For Class 54 Rating, Add	*1,587.60*	
		For Class 55 Rating, Add	*2,379.62*	
		For Class 56 Rating, Add	*3,161.30*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,790.34	2,080.29
		For Class 52 Rating, Deduct	*-1,280.22*	
		For Class 54 Rating, Add	*1,783.58*	
		For Class 55 Rating, Add	*2,671.01*	
		For Class 56 Rating, Add	*3,546.80*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,085.68	2,083.45
		For Class 52 Rating, Deduct	*-1,422.18*	
		For Class 54 Rating, Add	*1,977.22*	
		For Class 55 Rating, Add	*2,958.92*	
		For Class 56 Rating, Add	*3,927.68*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,394.02	2,086.60
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,172.81*	
		For Class 55 Rating, Add	*3,249.72*	
		For Class 56 Rating, Add	*4,312.40*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,689.36	2,089.76
		For Class 52 Rating, Deduct	*-1,707.54*	
		For Class 54 Rating, Add	*2,366.45*	
		For Class 55 Rating, Add	*3,537.63*	
		For Class 56 Rating, Add	*4,693.29*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,000.31	2,092.91
		For Class 52 Rating, Deduct	*-1,851.21*	
		For Class 54 Rating, Add	*2,562.44*	
		For Class 55 Rating, Add	*3,829.02*	
		For Class 56 Rating, Add	*5,078.78*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,293.04	2,096.07
		For Class 52 Rating, Deduct	*-1,992.89*	
		For Class 54 Rating, Add	*2,755.69*	
		For Class 55 Rating, Add	*4,116.35*	
		For Class 56 Rating, Add	*5,458.90*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,603.98	2,099.23
		For Class 52 Rating, Deduct	*-2,136.57*	
		For Class 54 Rating, Add	*2,951.67*	
		For Class 55 Rating, Add	*4,407.74*	
		For Class 56 Rating, Add	*5,844.39*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,899.32	2,102.39
		For Class 52 Rating, Deduct	*-2,278.53*	
		For Class 54 Rating, Add	*3,145.31*	
		For Class 55 Rating, Add	*4,695.65*	
		For Class 56 Rating, Add	*6,225.27*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,207.67	2,105.54
		For Class 52 Rating, Deduct	*-2,421.92*	
		For Class 54 Rating, Add	*3,340.90*	
		For Class 55 Rating, Add	*4,986.46*	
		For Class 56 Rating, Add	*6,610.00*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,503.00	2,108.70
		For Class 52 Rating, Deduct	*-2,563.88*	
		For Class 54 Rating, Add	*3,534.54*	
		For Class 55 Rating, Add	*5,274.36*	
		For Class 56 Rating, Add	*6,990.88*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,811.34	2,111.86
		For Class 52 Rating, Deduct	*-2,707.27*	
		For Class 54 Rating, Add	*3,730.13*	
		For Class 55 Rating, Add	*5,565.17*	
		For Class 56 Rating, Add	*7,375.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,106.68	2,115.01
		For Class 52 Rating, Deduct	*-2,849.23*	
		For Class 54 Rating, Add	*3,923.77*	
		For Class 55 Rating, Add	*5,853.08*	
		For Class 56 Rating, Add	*7,756.49*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,404.62	2,118.17
		For Class 52 Rating, Deduct	*-2,991.48*	
		For Class 54 Rating, Add	*4,117.80*	
		For Class 55 Rating, Add	*6,141.57*	
		For Class 56 Rating, Add	*8,138.14*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,710.37	2,121.33
		For Class 52 Rating, Deduct	*-3,134.59*	
		For Class 54 Rating, Add	*4,313.00*	
		For Class 55 Rating, Add	*6,431.80*	
		For Class 56 Rating, Add	*8,522.10*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,005.69	2,124.49
		For Class 52 Rating, Deduct	*-3,276.55*	
		For Class 54 Rating, Add	*4,506.64*	
		For Class 55 Rating, Add	*6,719.71*	
		For Class 56 Rating, Add	*8,902.98*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,316.64	2,127.63
		For Class 52 Rating, Deduct	*-3,420.22*	
		For Class 54 Rating, Add	*4,702.63*	
		For Class 55 Rating, Add	*7,011.09*	
		For Class 56 Rating, Add	*9,288.47*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,611.98	2,130.79
		For Class 52 Rating, Deduct	*-3,562.19*	
		For Class 54 Rating, Add	*4,896.27*	
		For Class 55 Rating, Add	*7,299.00*	
		For Class 56 Rating, Add	*9,669.36*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,920.32	2,133.96
		For Class 52 Rating, Deduct	*-3,705.58*	
		For Class 54 Rating, Add	*5,091.86*	
		For Class 55 Rating, Add	*7,589.81*	
		For Class 56 Rating, Add	*10,054.08*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,215.66	2,137.10
		For Class 52 Rating, Deduct	*-3,847.54*	
		For Class 54 Rating, Add	*5,285.50*	
		For Class 55 Rating, Add	*7,877.72*	
		For Class 56 Rating, Add	*10,434.96*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,526.60	2,140.27
		For Class 52 Rating, Deduct	*-3,991.21*	
		For Class 54 Rating, Add	*5,481.48*	
		For Class 55 Rating, Add	*8,169.11*	
		For Class 56 Rating, Add	*10,820.45*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,821.95	2,143.43
		For Class 52 Rating, Deduct	*-4,133.18*	
		For Class 54 Rating, Add	*5,675.12*	
		For Class 55 Rating, Add	*8,457.02*	
		For Class 56 Rating, Add	*11,201.34*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,130.29	2,146.59
		For Class 52 Rating, Deduct	*-4,276.57*	
		For Class 54 Rating, Add	*5,870.71*	
		For Class 55 Rating, Add	*8,747.83*	
		For Class 56 Rating, Add	*11,586.06*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,425.61	2,149.74
		For Class 52 Rating, Deduct	*-4,418.53*	
		For Class 54 Rating, Add	*6,064.35*	
		For Class 55 Rating, Add	*9,035.73*	
		For Class 56 Rating, Add	*11,966.95*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,736.56	2,152.90
		For Class 52 Rating, Deduct	*-4,562.21*	
		For Class 54 Rating, Add	*6,260.33*	
		For Class 55 Rating, Add	*9,327.12*	
		For Class 56 Rating, Add	*12,352.44*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,031.90	2,156.06
		For Class 52 Rating, Deduct	*-4,704.17*	
		For Class 54 Rating, Add	*6,453.97*	
		For Class 55 Rating, Add	*9,615.03*	
		For Class 56 Rating, Add	*12,733.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,337.65	2,159.21
		For Class 52 Rating, Deduct	*-4,847.27*	
		For Class 54 Rating, Add	*6,649.18*	
		For Class 55 Rating, Add	*9,905.26*	
		For Class 56 Rating, Add	*13,117.28*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,635.58	2,162.36
		For Class 52 Rating, Deduct	*-4,989.52*	
		For Class 54 Rating, Add	*6,843.21*	
		For Class 55 Rating, Add	*10,193.75*	
		For Class 56 Rating, Add	*13,498.93*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,670.73	2,165.52
		For Class 52 Rating, Deduct	*-5,102.86*	
		For Class 54 Rating, Add	*6,997.82*	
		For Class 55 Rating, Add	*10,423.63*	
		For Class 56 Rating, Add	*13,803.06*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,239.27	2,168.68
		For Class 52 Rating, Deduct	*-5,274.87*	
		For Class 54 Rating, Add	*7,232.44*	
		For Class 55 Rating, Add	*10,772.47*	
		For Class 56 Rating, Add	*14,264.54*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,534.60	2,171.83
		For Class 52 Rating, Deduct	*-5,416.83*	
		For Class 54 Rating, Add	*7,426.08*	
		For Class 55 Rating, Add	*11,060.37*	
		For Class 56 Rating, Add	*14,645.43*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,842.94	2,174.99
		For Class 52 Rating, Deduct	*-5,560.23*	
		For Class 54 Rating, Add	*7,621.67*	
		For Class 55 Rating, Add	*11,351.18*	
		For Class 56 Rating, Add	*15,030.15*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,138.27	2,178.15
		For Class 52 Rating, Deduct	*-5,702.19*	
		For Class 54 Rating, Add	*7,815.31*	
		For Class 55 Rating, Add	*11,639.09*	
		For Class 56 Rating, Add	*15,411.03*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,449.23	2,181.31
		For Class 52 Rating, Deduct	*-5,845.86*	
		For Class 54 Rating, Add	*8,011.29*	
		For Class 55 Rating, Add	*11,930.48*	
		For Class 56 Rating, Add	*15,796.53*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,741.96	2,184.46
		For Class 52 Rating, Deduct	*-5,987.54*	
		For Class 54 Rating, Add	*8,204.54*	
		For Class 55 Rating, Add	*12,217.81*	
		For Class 56 Rating, Add	*16,176.64*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,052.90	2,187.62
		For Class 52 Rating, Deduct	*-6,131.22*	
		For Class 54 Rating, Add	*8,400.52*	
		For Class 55 Rating, Add	*12,509.20*	
		For Class 56 Rating, Add	*16,562.13*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,348.24	2,190.78
		For Class 52 Rating, Deduct	*-6,273.18*	
		For Class 54 Rating, Add	*8,594.16*	
		For Class 55 Rating, Add	*12,797.10*	
		For Class 56 Rating, Add	*16,943.02*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,656.58	2,193.93
		For Class 52 Rating, Deduct	*-6,416.57*	
		For Class 54 Rating, Add	*8,789.76*	
		For Class 55 Rating, Add	*13,087.91*	
		For Class 56 Rating, Add	*17,327.74*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,391.80	2,610.62
		For Class 52 Rating, Deduct	*-1,477.99*	
		For Class 54 Rating, Add	*2,062.91*	
		For Class 55 Rating, Add	*3,091.23*	
		For Class 56 Rating, Add	*4,106.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,298.59	2,613.78
		For Class 52 Rating, Deduct	*-1,687.22*	
		For Class 54 Rating, Add	*2,348.27*	
		For Class 55 Rating, Add	*3,515.49*	
		For Class 56 Rating, Add	*4,667.37*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,202.77	2,616.94
		For Class 52 Rating, Deduct	*-1,896.15*	
		For Class 54 Rating, Add	*2,633.24*	
		For Class 55 Rating, Add	*3,939.17*	
		For Class 56 Rating, Add	*5,227.87*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,122.57	2,620.10
		For Class 52 Rating, Deduct	*-2,106.80*	
		For Class 54 Rating, Add	*2,920.55*	
		For Class 55 Rating, Add	*4,366.33*	
		For Class 56 Rating, Add	*5,792.97*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,029.36	2,623.25
		For Class 52 Rating, Deduct	*-2,316.02*	
		For Class 54 Rating, Add	*3,205.91*	
		For Class 55 Rating, Add	*4,790.60*	
		For Class 56 Rating, Add	*6,354.23*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,936.14	2,626.41
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,491.26*	
		For Class 55 Rating, Add	*5,214.86*	
		For Class 56 Rating, Add	*6,915.50*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,853.34	2,629.57
		For Class 52 Rating, Deduct	*-2,735.61*	
		For Class 54 Rating, Add	*3,778.18*	
		For Class 55 Rating, Add	*5,641.44*	
		For Class 56 Rating, Add	*7,479.83*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,762.73	2,632.71
		For Class 52 Rating, Deduct	*-2,945.11*	
		For Class 54 Rating, Add	*4,063.93*	
		For Class 55 Rating, Add	*6,066.28*	
		For Class 56 Rating, Add	*8,041.86*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,666.92	2,635.87
		For Class 52 Rating, Deduct	*-3,154.05*	
		For Class 54 Rating, Add	*4,348.90*	
		For Class 55 Rating, Add	*6,489.96*	
		For Class 56 Rating, Add	*8,602.36*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,586.70	2,639.03
		For Class 52 Rating, Deduct	*-3,364.70*	
		For Class 54 Rating, Add	*4,636.21*	
		For Class 55 Rating, Add	*6,917.13*	
		For Class 56 Rating, Add	*9,167.46*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,493.49	2,642.19
		For Class 52 Rating, Deduct	*-3,573.92*	
		For Class 54 Rating, Add	*4,921.57*	
		For Class 55 Rating, Add	*7,341.39*	
		For Class 56 Rating, Add	*9,728.72*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,413.29	2,645.34
		For Class 52 Rating, Deduct	*-3,784.57*	
		For Class 54 Rating, Add	*5,208.88*	
		For Class 55 Rating, Add	*7,768.55*	
		For Class 56 Rating, Add	*10,293.82*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,317.47	2,648.50
		For Class 52 Rating, Deduct	*-3,993.50*	
		For Class 54 Rating, Add	*5,493.84*	
		For Class 55 Rating, Add	*8,192.23*	
		For Class 56 Rating, Add	*10,854.32*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,224.26	2,651.66
		For Class 52 Rating, Deduct	*-4,202.72*	
		For Class 54 Rating, Add	*5,779.20*	
		For Class 55 Rating, Add	*8,616.49*	
		For Class 56 Rating, Add	*11,415.58*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,144.06	2,654.82
		For Class 52 Rating, Deduct	*-4,413.38*	
		For Class 54 Rating, Add	*6,066.51*	
		For Class 55 Rating, Add	*9,043.66*	
		For Class 56 Rating, Add	*11,980.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,050.85	2,657.97
		For Class 52 Rating, Deduct	*-4,622.60*	
		For Class 54 Rating, Add	*6,351.87*	
		For Class 55 Rating, Add	*9,467.92*	
		For Class 56 Rating, Add	*12,541.95*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,955.03	2,661.13
		For Class 52 Rating, Deduct	*-4,831.53*	
		For Class 54 Rating, Add	*6,636.84*	
		For Class 55 Rating, Add	*9,891.60*	
		For Class 56 Rating, Add	*13,102.44*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,874.81	2,664.29
		For Class 52 Rating, Deduct	*-5,042.18*	
		For Class 54 Rating, Add	*6,924.14*	
		For Class 55 Rating, Add	*10,318.76*	
		For Class 56 Rating, Add	*13,667.54*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,781.61	2,667.43
		For Class 52 Rating, Deduct	*-5,251.40*	
		For Class 54 Rating, Add	*7,209.50*	
		For Class 55 Rating, Add	*10,743.02*	
		For Class 56 Rating, Add	*14,228.81*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,685.79	2,670.59
		For Class 52 Rating, Deduct	*-5,460.34*	
		For Class 54 Rating, Add	*7,494.47*	
		For Class 55 Rating, Add	*11,166.71*	
		For Class 56 Rating, Add	*14,789.30*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,605.59	2,673.75
		For Class 52 Rating, Deduct	*-5,670.99*	
		For Class 54 Rating, Add	*7,781.78*	
		For Class 55 Rating, Add	*11,593.87*	
		For Class 56 Rating, Add	*15,354.40*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,514.98	2,676.92
		For Class 52 Rating, Deduct	*-5,880.50*	
		For Class 54 Rating, Add	*8,067.53*	
		For Class 55 Rating, Add	*12,018.71*	
		For Class 56 Rating, Add	*15,916.43*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,419.16	2,680.06
		For Class 52 Rating, Deduct	*-6,089.43*	
		For Class 54 Rating, Add	*8,352.50*	
		For Class 55 Rating, Add	*12,442.39*	
		For Class 56 Rating, Add	*16,476.93*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,338.96	2,683.23
		For Class 52 Rating, Deduct	*-6,300.08*	
		For Class 54 Rating, Add	*8,639.81*	
		For Class 55 Rating, Add	*12,869.55*	
		For Class 56 Rating, Add	*17,042.03*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,245.75	2,686.39
		For Class 52 Rating, Deduct	*-6,509.30*	
		For Class 54 Rating, Add	*8,925.16*	
		For Class 55 Rating, Add	*13,293.82*	
		For Class 56 Rating, Add	*17,603.29*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,149.93	2,689.53
		For Class 52 Rating, Deduct	*-6,718.24*	
		For Class 54 Rating, Add	*9,210.13*	
		For Class 55 Rating, Add	*13,717.50*	
		For Class 56 Rating, Add	*18,163.79*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,069.72	2,692.70
		For Class 52 Rating, Deduct	*-6,928.89*	
		For Class 54 Rating, Add	*9,497.44*	
		For Class 55 Rating, Add	*14,144.66*	
		For Class 56 Rating, Add	*18,728.89*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,976.51	2,695.86
		For Class 52 Rating, Deduct	*-7,138.11*	
		For Class 54 Rating, Add	*9,782.80*	
		For Class 55 Rating, Add	*14,568.92*	
		For Class 56 Rating, Add	*19,290.15*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,649.13	2,699.02
		For Class 52 Rating, Deduct	*-7,321.57*	
		For Class 54 Rating, Add	*10,033.03*	
		For Class 55 Rating, Add	*14,940.96*	
		For Class 56 Rating, Add	*19,782.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,803.09	2,702.17
		For Class 52 Rating, Deduct	*-7,557.98*	
		For Class 54 Rating, Add	*10,355.47*	
		For Class 55 Rating, Add	*15,420.35*	
		For Class 56 Rating, Add	*20,416.52*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,707.28	2,705.33
		For Class 52 Rating, Deduct	*-7,766.91*	
		For Class 54 Rating, Add	*10,640.43*	
		For Class 55 Rating, Add	*15,844.03*	
		For Class 56 Rating, Add	*20,977.01*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,629.68	2,708.49
		For Class 52 Rating, Deduct	*-7,977.85*	
		For Class 54 Rating, Add	*10,928.13*	
		For Class 55 Rating, Add	*16,271.77*	
		For Class 56 Rating, Add	*21,542.88*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,533.87	2,711.63
		For Class 52 Rating, Deduct	*-8,186.79*	
		For Class 54 Rating, Add	*11,213.10*	
		For Class 55 Rating, Add	*16,695.45*	
		For Class 56 Rating, Add	*22,103.38*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,438.04	2,714.79
		For Class 52 Rating, Deduct	*-8,395.72*	
		For Class 54 Rating, Add	*11,498.07*	
		For Class 55 Rating, Add	*17,119.13*	
		For Class 56 Rating, Add	*22,663.87*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,360.44	2,717.95
		For Class 52 Rating, Deduct	*-8,606.66*	
		For Class 54 Rating, Add	*11,785.77*	
		For Class 55 Rating, Add	*17,546.88*	
		For Class 56 Rating, Add	*23,229.74*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,264.63	2,721.11
		For Class 52 Rating, Deduct	*-8,815.59*	
		For Class 54 Rating, Add	*12,070.74*	
		For Class 55 Rating, Add	*17,970.56*	
		For Class 56 Rating, Add	*23,790.24*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,171.41	2,724.26
		For Class 52 Rating, Deduct	*-9,024.81*	
		For Class 54 Rating, Add	*12,356.09*	
		For Class 55 Rating, Add	*18,394.82*	
		For Class 56 Rating, Add	*24,351.50*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	88,091.21	2,727.42
		For Class 52 Rating, Deduct	*-9,235.46*	
		For Class 54 Rating, Add	*12,643.40*	
		For Class 55 Rating, Add	*18,821.98*	
		For Class 56 Rating, Add	*24,916.60*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	447.67	152.30
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	630.76	194.76
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	886.84	220.60
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,300.93	279.68
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,613.09	310.13
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,014.65	336.90
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,481.87	415.36
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,260.08	498.43
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,014.79	627.65
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,127.78	710.73
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,326.56	941.48
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,660.59	1,066.09
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,600.52	1,218.39
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	32,765.86	1,495.29

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	423.92	152.30
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	592.76	194.76
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	790.26	220.60
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,161.60	279.68
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,435.75	310.13
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,653.65	336.90
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,082.86	415.36
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,723.32	498.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,525.53	627.65
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,652.09	710.73
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,246.71	941.48
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,872.08	1,066.09
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	21,210.54	1,218.39
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	28,930.97	1,495.29
40 05 19 00-1610		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	422.34	152.30
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	580.09	194.76
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	779.17	220.60
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,129.93	279.68
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,505.42	310.13
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,873.73	336.90
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,131.95	415.36
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,783.48	498.43
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,786.79	627.65
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,247.43	710.73
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,352.79	941.48
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,115.92	1,066.09
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	21,696.63	1,218.39
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	29,564.31	1,495.29
40 05 19 00-1625		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	461.92	152.30
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	654.51	194.76
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	810.84	220.60
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,242.35	279.68
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,712.84	310.13
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,927.57	336.90
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,356.79	415.36
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,783.48	498.43
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,786.79	627.65
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,461.18	710.73
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,458.88	941.48
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	14,220.42	1,066.09
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,807.47	1,218.39
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	29,787.56	1,495.29
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	597.01	173.53
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	738.51	186.45
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	832.42	207.68
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,115.77	215.98
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,178.02	237.22
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,287.85	250.13
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,199.71	231.68
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,352.21	252.90
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,555.46	265.83
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,657.22	295.37
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,555.46	265.83
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,723.87	278.75
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,920.62	308.29
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,126.49	323.99
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,793.82	305.06
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,935.31	317.98
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,222.32	347.52
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,425.90	362.75
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,598.18	376.13
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,099.00	346.59
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,512.84	359.52
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,587.67	389.05
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,732.67	404.28
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,965.12	417.67
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,233.56	456.90
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,709.91	411.21
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,892.57	424.13
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,588.09	453.67
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,723.58	468.90
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,108.03	482.28
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,017.05	521.50
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,276.31	563.05
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,814.69	452.74
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,998.95	465.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,303.36	495.20
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,522.78	510.43
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,934.15	523.81
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,318.17	563.05
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,446.02	604.58
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,728.80	597.90
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,812.97	625.81
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,252.83	639.20
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,176.78	678.42
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,506.41	719.96
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,992.91	784.57
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,610.02	826.11
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,388.48	688.12
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,163.82	701.49
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,887.80	740.72
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,914.78	782.27
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,352.41	846.87
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,468.27	888.40
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,368.27	1,003.79
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,617.59	777.64
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,012.24	816.88
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,877.50	858.41
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,574.81	923.02
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,210.45	964.56
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,102.30	1,079.94
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,980.51	1,142.24
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,822.28	1,114.55
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,082.39	1,229.93
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,905.13	1,292.24
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,967.40	1,368.38
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	534.76	152.30
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	825.52	194.76
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,213.01	220.60
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,725.27	279.68
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,438.02	310.13
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,842.75	336.90
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,688.39	415.36
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,569.51	498.43
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,231.50	627.65
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	9,158.33	710.73
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	16,126.40	941.48
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	24,555.01	1,066.09
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	38,082.83	1,218.39
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	564.84	152.30
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	766.93	194.76
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,254.18	220.60
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,695.19	279.68
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,278.10	310.13
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,690.75	336.90
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,324.22	415.36
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,176.84	498.43
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,512.65	627.65
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,790.31	710.73
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,774.43	941.48
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,270.65	1,066.09
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	33,947.09	1,218.39
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	36,602.34	1,495.29
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	766.45	244.60
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	949.92	300.91
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,334.00	335.98
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,915.52	436.59
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,545.66	476.28
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,409.31	512.28
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,862.27	646.12
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,709.87	738.41
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,940.92	932.26
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,750.97	1,029.17
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,895.02	1,421.45
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	21,471.88	1,629.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	44,414.60	1,882.97
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	960.22	273.21
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,188.70	278.75
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,188.01	313.83
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,567.54	308.29
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,547.85	343.37
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,632.08	365.52
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,987.16	323.99
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,981.71	359.05
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,092.87	381.21
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,493.47	452.28
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,896.58	336.90
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,834.14	371.98
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,959.53	394.13
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,125.81	465.20
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,314.88	489.66
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,513.37	376.13
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,237.17	411.21
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,185.23	433.36
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,737.84	504.43
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,627.66	528.89
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,045.09	551.50
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,296.73	417.67
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,238.35	452.74
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,900.50	474.89
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,914.77	545.96
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,260.60	570.43
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,651.11	593.04
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,976.55	687.65
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,496.20	482.28
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,761.27	517.35
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,859.75	539.51
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,065.61	610.58
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,264.17	635.04
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,331.68	657.65
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,420.30	752.27
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,562.13	803.03
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,302.17	523.81
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,443.30	558.89
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,690.62	581.04
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,917.06	652.11
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,631.79	676.57
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,795.88	699.19
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,024.73	793.80
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,231.27	844.56
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,548.63	902.49
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,183.62	674.26
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,250.45	696.42
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,568.71	767.50
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,605.77	791.96
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,640.03	814.56
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,887.88	909.18
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,034.47	959.94
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,402.85	1,089.17
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,875.15	1,144.55
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,427.40	965.02
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,503.73	982.55
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,614.79	1,032.86
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,749.35	1,052.71
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,811.45	1,070.71
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,982.52	1,137.62
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,087.27	1,183.78
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,373.45	1,280.69
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,761.97	1,329.16
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,258.90	1,525.29
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	27,588.32	834.87
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,947.29	905.94
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,984.36	930.40
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,055.03	953.02
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,272.80	1,047.63
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,536.56	1,098.39
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,732.35	1,227.62
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,113.93	1,283.00
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,087.02	1,559.91
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	42,506.60	1,705.28
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,777.59	1,080.40
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,811.85	1,103.01
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,066.04	1,197.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,142.96	1,248.38
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,486.00	1,377.61
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,831.17	1,433.00
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	35,773.24	1,709.90
40 05 19 00-1830		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	826.62	244.60
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,122.50	300.91
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,631.67	335.98
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,477.61	436.59
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,324.67	476.28
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,713.31	512.28
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,609.61	646.12
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,598.14	738.41
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,473.61	932.26
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,749.17	1,029.17
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	18,006.32	1,421.45
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	25,650.36	1,629.14
40 05 19 00-1843		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	674.62	244.60
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	942.00	300.91
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,357.75	335.98
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,784.10	436.59
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,537.74	476.28
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,288.97	512.28
40 05 19 00-1850		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	926.88	336.90
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,219.70	365.06
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,292.84	407.05
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,501.14	371.05
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,637.01	419.98
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,695.65	451.36
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,938.56	400.59
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,134.59	449.52
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,334.16	480.90
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,897.45	593.50
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,506.31	415.82
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,640.60	464.74
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,841.75	496.13
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,435.11	608.73
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,237.56	642.42
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,145.40	478.13
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,344.94	509.51
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,727.74	622.12
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,052.70	655.81
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,251.37	687.65
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,751.09	517.35
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,979.14	548.73
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,361.92	661.35
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,716.99	695.04
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,568.67	726.88
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,355.08	876.87
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,905.86	558.89
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,132.32	590.27
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,454.95	702.88
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,808.42	736.57
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,521.68	768.41
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,022.86	918.40
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,295.84	978.40
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,085.18	623.50
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,327.49	654.88
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,627.95	767.50
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,005.17	801.18
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,118.33	833.03
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,453.94	983.02
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,739.60	1,043.02
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,490.88	1,236.85
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,712.49	665.04
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,888.29	696.42
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,286.90	809.03
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,534.29	842.72
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,680.70	874.56
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,135.96	1,024.55
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,541.74	1,084.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,148.57	1,207.09
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,275.10	1,347.61
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,381.59	958.10
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,464.68	989.94
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,935.78	1,139.93
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,096.34	1,199.93
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,774.80	1,393.76
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,895.09	1,462.99
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	20,337.49	1,901.42
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,487.17	1,218.85
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,528.43	1,246.08
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,925.91	1,368.38
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,077.90	1,423.76
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,637.73	1,585.29
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,291.05	1,647.59
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,080.93	2,005.26
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	28,598.24	2,192.17
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,795.01	1,096.55
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,843.26	1,128.39
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,293.78	1,278.38
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,421.09	1,338.38
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,050.46	1,532.22
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,714.27	1,601.44
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,676.28	2,039.88
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	49,281.47	2,268.33
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,557.88	2,547.54
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,596.92	1,278.38
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,049.01	1,428.37
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,176.34	1,488.37
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,767.69	1,682.21
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,431.51	1,751.43
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	38,101.24	2,189.87

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	494.09	173.53
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	629.26	186.45
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	693.08	207.68
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	845.02	215.98
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	853.43	237.22
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	996.51	250.13
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,077.79	231.68
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,114.70	252.90
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,221.37	265.83
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,373.80	295.37
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,681.55	252.90
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,341.70	265.83
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,483.20	278.75
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,630.87	308.29
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,586.57	323.99
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,989.66	283.83
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,614.90	305.06
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,526.81	317.98
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,701.39	347.52
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,106.06	362.75
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,265.68	376.13
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,517.01	346.59
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,998.24	359.52
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,195.00	389.05
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,181.66	404.28
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,509.11	417.67
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,506.80	456.90
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,578.49	411.21
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,501.48	424.13
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,709.32	453.67
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,642.15	468.90
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,047.18	482.28
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,862.78	521.50
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,527.39	563.05
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,378.27	465.66
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,814.10	495.20
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,101.60	510.43
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,210.55	523.81
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,730.06	563.05
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,500.76	604.58
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,751.87	597.90
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,474.67	678.42
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,748.20	719.96
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,265.68	784.57
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,026.88	826.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,839.62	740.72
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,285.72	782.27
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,872.87	846.87
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,740.14	888.40
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,381.16	1,003.79
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,018.18	964.56
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,979.02	1,079.94
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,196.71	1,142.24
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,080.34	1,114.55
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,414.86	1,229.93
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,930.22	1,292.24
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,802.23	1,368.38

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	536.84	173.53
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	678.34	186.45
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	770.67	207.68
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	845.02	215.98
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	905.68	237.22
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,045.59	250.13
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,077.79	231.68
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,171.70	252.90
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,281.53	265.83
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,478.30	295.37
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,341.70	265.83
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,453.12	278.75
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,619.79	308.29
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,854.15	323.99
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,614.90	305.06
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,753.23	317.98
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,949.98	347.52
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,155.15	362.75
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,265.68	376.13
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,998.24	359.52
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,195.00	389.05
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,400.16	404.28
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,509.11	417.67
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,750.64	456.90
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,917.33	411.21
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,664.57	424.13
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,709.32	453.67
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,960.40	468.90
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,047.18	482.28
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,331.45	521.50
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,525.80	563.05
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,704.44	465.66
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,814.10	495.20
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,902.10	510.43
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,987.30	523.81
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,276.31	563.05
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,500.76	604.58
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,751.87	597.90
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,743.67	639.20
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,557.69	678.42
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,783.03	719.96
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,265.68	784.57
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,026.88	826.11
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,909.28	740.72
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,285.72	782.27
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,838.03	846.87
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,702.14	888.40
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,346.32	1,003.79
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,018.18	964.56
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,703.95	1,079.94
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	19,196.71	1,142.24
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,414.86	1,229.93
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,930.22	1,292.24
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,802.23	1,368.38

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	190.65	60.00
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	286.26	88.61
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	414.36	105.22
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	569.18	122.76
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	734.35	144.00
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	969.92	161.52
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,158.47	184.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,569.61	258.45
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,083.92	323.06
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,966.24	392.29
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,178.83	456.90
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,453.47	503.05
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,503.94	553.81
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,878.47	623.04

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,178.58	106.32
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,368.19	124.74
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,175.53	155.93
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,885.76	178.22
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,985.04	268.50
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,213.30	292.90
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,038.68	322.20
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,712.21	357.95
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,606.96	402.74
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,814.04	460.22
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	17,158.26	536.99
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	60,109.17	644.39
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	85,348.14	805.49

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,240.92	263.99
		For Class 52 Rating, Deduct	*-92.50*	
		For Class 54 Rating, Add	*130.94*	
		For Class 55 Rating, Add	*197.13*	
		For Class 56 Rating, Add	*262.48*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,367.60	268.60
		For Class 52 Rating, Deduct	*-105.67*	
		For Class 54 Rating, Add	*148.98*	
		For Class 55 Rating, Add	*223.99*	
		For Class 56 Rating, Add	*298.04*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,494.27	273.21
		For Class 52 Rating, Deduct	*-118.83*	
		For Class 54 Rating, Add	*167.01*	
		For Class 55 Rating, Add	*250.84*	
		For Class 56 Rating, Add	*333.59*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,620.96	277.83
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*185.05*	
		For Class 55 Rating, Add	*277.70*	
		For Class 56 Rating, Add	*369.15*	
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,747.63	282.44
		For Class 52 Rating, Deduct	*-145.16*	
		For Class 54 Rating, Add	*203.09*	
		For Class 55 Rating, Add	*304.56*	
		For Class 56 Rating, Add	*404.71*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,874.31	287.06
		For Class 52 Rating, Deduct	*-158.33*	
		For Class 54 Rating, Add	*221.12*	
		For Class 55 Rating, Add	*331.42*	
		For Class 56 Rating, Add	*440.27*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,000.99	291.68
		For Class 52 Rating, Deduct	*-171.50*	
		For Class 54 Rating, Add	*239.16*	
		For Class 55 Rating, Add	*358.27*	
		For Class 56 Rating, Add	*475.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,127.66	296.29
		For Class 52 Rating, Deduct	*-184.66*	
		For Class 54 Rating, Add	*257.20*	
		For Class 55 Rating, Add	*385.13*	
		For Class 56 Rating, Add	*511.39*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,254.33	300.91
		For Class 52 Rating, Deduct	*-197.83*	
		For Class 54 Rating, Add	*275.23*	
		For Class 55 Rating, Add	*411.99*	
		For Class 56 Rating, Add	*546.95*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,381.02	305.52
		For Class 52 Rating, Deduct	*-210.99*	
		For Class 54 Rating, Add	*293.27*	
		For Class 55 Rating, Add	*438.85*	
		For Class 56 Rating, Add	*582.51*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,507.69	310.13
		For Class 52 Rating, Deduct	*-224.16*	
		For Class 54 Rating, Add	*311.31*	
		For Class 55 Rating, Add	*465.70*	
		For Class 56 Rating, Add	*618.06*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,634.37	314.75
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*329.34*	
		For Class 55 Rating, Add	*492.56*	
		For Class 56 Rating, Add	*653.62*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,761.05	319.36
		For Class 52 Rating, Deduct	*-250.49*	
		For Class 54 Rating, Add	*347.38*	
		For Class 55 Rating, Add	*519.42*	
		For Class 56 Rating, Add	*689.18*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,887.73	323.99
		For Class 52 Rating, Deduct	*-263.65*	
		For Class 54 Rating, Add	*365.42*	
		For Class 55 Rating, Add	*546.28*	
		For Class 56 Rating, Add	*724.74*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,014.40	328.60
		For Class 52 Rating, Deduct	*-276.82*	
		For Class 54 Rating, Add	*383.45*	
		For Class 55 Rating, Add	*573.14*	
		For Class 56 Rating, Add	*760.30*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,141.09	333.21
		For Class 52 Rating, Deduct	*-289.98*	
		For Class 54 Rating, Add	*401.49*	
		For Class 55 Rating, Add	*599.99*	
		For Class 56 Rating, Add	*795.86*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,267.76	337.83
		For Class 52 Rating, Deduct	*-303.15*	
		For Class 54 Rating, Add	*419.53*	
		For Class 55 Rating, Add	*626.85*	
		For Class 56 Rating, Add	*831.42*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,394.43	342.44
		For Class 52 Rating, Deduct	*-316.31*	
		For Class 54 Rating, Add	*437.56*	
		For Class 55 Rating, Add	*653.71*	
		For Class 56 Rating, Add	*866.97*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,521.12	347.05
		For Class 52 Rating, Deduct	*-329.48*	
		For Class 54 Rating, Add	*455.60*	
		For Class 55 Rating, Add	*680.57*	
		For Class 56 Rating, Add	*902.54*	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,647.78	351.67
		For Class 52 Rating, Deduct	*-342.64*	
		For Class 54 Rating, Add	*473.64*	
		For Class 55 Rating, Add	*707.42*	
		For Class 56 Rating, Add	*938.09*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,774.46	356.28
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*491.67*	
		For Class 55 Rating, Add	*734.28*	
		For Class 56 Rating, Add	*973.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,901.14	360.91
		For Class 52 Rating, Deduct	*-368.98*	
		For Class 54 Rating, Add	*509.71*	
		For Class 55 Rating, Add	*761.14*	
		For Class 56 Rating, Add	*1,009.21*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,027.82	365.52
		For Class 52 Rating, Deduct	*-382.14*	
		For Class 54 Rating, Add	*527.75*	
		For Class 55 Rating, Add	*788.00*	
		For Class 56 Rating, Add	*1,044.77*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,154.49	370.13
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*545.78*	
		For Class 55 Rating, Add	*814.85*	
		For Class 56 Rating, Add	*1,080.33*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,281.18	374.75
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*563.82*	
		For Class 55 Rating, Add	*841.71*	
		For Class 56 Rating, Add	*1,115.89*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,407.85	379.36
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*581.86*	
		For Class 55 Rating, Add	*868.57*	
		For Class 56 Rating, Add	*1,151.45*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,534.53	383.98
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*599.89*	
		For Class 55 Rating, Add	*895.43*	
		For Class 56 Rating, Add	*1,187.01*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,661.21	388.59
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*617.93*	
		For Class 55 Rating, Add	*922.28*	
		For Class 56 Rating, Add	*1,222.56*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,787.89	393.20
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*635.97*	
		For Class 55 Rating, Add	*949.14*	
		For Class 56 Rating, Add	*1,258.12*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,914.56	397.83
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*654.00*	
		For Class 55 Rating, Add	*976.00*	
		For Class 56 Rating, Add	*1,293.68*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,041.25	402.44
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*672.04*	
		For Class 55 Rating, Add	*1,002.86*	
		For Class 56 Rating, Add	*1,329.24*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,167.92	407.05
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*690.08*	
		For Class 55 Rating, Add	*1,029.71*	
		For Class 56 Rating, Add	*1,364.80*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,294.59	411.67
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*708.11*	
		For Class 55 Rating, Add	*1,056.57*	
		For Class 56 Rating, Add	*1,400.36*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,421.27	416.28
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*726.15*	
		For Class 55 Rating, Add	*1,083.43*	
		For Class 56 Rating, Add	*1,435.92*	
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,547.95	420.90
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*744.19*	
		For Class 55 Rating, Add	*1,110.29*	
		For Class 56 Rating, Add	*1,471.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,674.63	425.51
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*762.22*	
		For Class 55 Rating, Add	*1,137.14*	
		For Class 56 Rating, Add	*1,507.03*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,801.31	430.12
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*780.26*	
		For Class 55 Rating, Add	*1,164.00*	
		For Class 56 Rating, Add	*1,542.59*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,927.98	434.75
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*798.30*	
		For Class 55 Rating, Add	*1,190.86*	
		For Class 56 Rating, Add	*1,578.15*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,054.67	439.36
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*816.33*	
		For Class 55 Rating, Add	*1,217.72*	
		For Class 56 Rating, Add	*1,613.71*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,552.28	332.29
		For Class 52 Rating, Deduct	*-115.37*	
		For Class 54 Rating, Add	*163.36*	
		For Class 55 Rating, Add	*245.97*	
		For Class 56 Rating, Add	*327.53*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,697.86	336.90
		For Class 52 Rating, Deduct	*-130.61*	
		For Class 54 Rating, Add	*184.24*	
		For Class 55 Rating, Add	*277.04*	
		For Class 56 Rating, Add	*368.66*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,843.43	341.51
		For Class 52 Rating, Deduct	*-145.86*	
		For Class 54 Rating, Add	*205.11*	
		For Class 55 Rating, Add	*308.11*	
		For Class 56 Rating, Add	*409.79*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,989.00	346.14
		For Class 52 Rating, Deduct	*-161.10*	
		For Class 54 Rating, Add	*225.98*	
		For Class 55 Rating, Add	*339.18*	
		For Class 56 Rating, Add	*450.93*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,134.59	350.75
		For Class 52 Rating, Deduct	*-176.35*	
		For Class 54 Rating, Add	*246.85*	
		For Class 55 Rating, Add	*370.26*	
		For Class 56 Rating, Add	*492.06*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,280.16	355.37
		For Class 52 Rating, Deduct	*-191.59*	
		For Class 54 Rating, Add	*267.72*	
		For Class 55 Rating, Add	*401.33*	
		For Class 56 Rating, Add	*533.19*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,425.73	359.98
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*288.59*	
		For Class 55 Rating, Add	*432.40*	
		For Class 56 Rating, Add	*574.33*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,571.31	364.59
		For Class 52 Rating, Deduct	*-222.08*	
		For Class 54 Rating, Add	*309.46*	
		For Class 55 Rating, Add	*463.47*	
		For Class 56 Rating, Add	*615.46*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,716.89	369.21
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*330.33*	
		For Class 55 Rating, Add	*494.54*	
		For Class 56 Rating, Add	*656.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,862.47	373.82
		For Class 52 Rating, Deduct	*-252.57*	
		For Class 54 Rating, Add	*351.21*	
		For Class 55 Rating, Add	*525.62*	
		For Class 56 Rating, Add	*697.73*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,008.03	378.44
		For Class 52 Rating, Deduct	*-267.81*	
		For Class 54 Rating, Add	*372.08*	
		For Class 55 Rating, Add	*556.69*	
		For Class 56 Rating, Add	*738.86*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,153.60	383.06
		For Class 52 Rating, Deduct	*-283.05*	
		For Class 54 Rating, Add	*392.95*	
		For Class 55 Rating, Add	*587.76*	
		For Class 56 Rating, Add	*779.99*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,299.19	387.67
		For Class 52 Rating, Deduct	*-298.30*	
		For Class 54 Rating, Add	*413.82*	
		For Class 55 Rating, Add	*618.83*	
		For Class 56 Rating, Add	*821.13*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,444.76	392.29
		For Class 52 Rating, Deduct	*-313.54*	
		For Class 54 Rating, Add	*434.69*	
		For Class 55 Rating, Add	*649.90*	
		For Class 56 Rating, Add	*862.26*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,590.33	396.90
		For Class 52 Rating, Deduct	*-328.79*	
		For Class 54 Rating, Add	*455.56*	
		For Class 55 Rating, Add	*680.97*	
		For Class 56 Rating, Add	*903.40*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,735.91	401.51
		For Class 52 Rating, Deduct	*-344.03*	
		For Class 54 Rating, Add	*476.43*	
		For Class 55 Rating, Add	*712.04*	
		For Class 56 Rating, Add	*944.53*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,881.49	406.13
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*497.31*	
		For Class 55 Rating, Add	*743.12*	
		For Class 56 Rating, Add	*985.66*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,027.06	410.74
		For Class 52 Rating, Deduct	*-374.52*	
		For Class 54 Rating, Add	*518.18*	
		For Class 55 Rating, Add	*774.19*	
		For Class 56 Rating, Add	*1,026.80*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,172.64	415.36
		For Class 52 Rating, Deduct	*-389.76*	
		For Class 54 Rating, Add	*539.05*	
		For Class 55 Rating, Add	*805.26*	
		For Class 56 Rating, Add	*1,067.93*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,318.21	419.98
		For Class 52 Rating, Deduct	*-405.01*	
		For Class 54 Rating, Add	*559.92*	
		For Class 55 Rating, Add	*836.33*	
		For Class 56 Rating, Add	*1,109.06*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,463.78	424.59
		For Class 52 Rating, Deduct	*-420.25*	
		For Class 54 Rating, Add	*580.79*	
		For Class 55 Rating, Add	*867.40*	
		For Class 56 Rating, Add	*1,150.20*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,609.37	429.21
		For Class 52 Rating, Deduct	*-435.50*	
		For Class 54 Rating, Add	*601.66*	
		For Class 55 Rating, Add	*898.48*	
		For Class 56 Rating, Add	*1,191.33*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,754.93	433.82
		For Class 52 Rating, Deduct	*-450.74*	
		For Class 54 Rating, Add	*622.53*	
		For Class 55 Rating, Add	*929.55*	
		For Class 56 Rating, Add	*1,232.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,900.50	438.43
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*643.40*	
		For Class 55 Rating, Add	*960.62*	
		For Class 56 Rating, Add	*1,273.60*	
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,046.08	443.05
		For Class 52 Rating, Deduct	*-481.23*	
		For Class 54 Rating, Add	*664.27*	
		For Class 55 Rating, Add	*991.69*	
		For Class 56 Rating, Add	*1,314.73*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,191.66	447.66
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*685.15*	
		For Class 55 Rating, Add	*1,022.76*	
		For Class 56 Rating, Add	*1,355.87*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,337.23	452.28
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*706.02*	
		For Class 55 Rating, Add	*1,053.83*	
		For Class 56 Rating, Add	*1,397.00*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,482.81	456.90
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*726.89*	
		For Class 55 Rating, Add	*1,084.90*	
		For Class 56 Rating, Add	*1,438.13*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,628.38	461.51
		For Class 52 Rating, Deduct	*-542.20*	
		For Class 54 Rating, Add	*747.76*	
		For Class 55 Rating, Add	*1,115.98*	
		For Class 56 Rating, Add	*1,479.26*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,773.96	466.13
		For Class 52 Rating, Deduct	*-557.45*	
		For Class 54 Rating, Add	*768.63*	
		For Class 55 Rating, Add	*1,147.05*	
		For Class 56 Rating, Add	*1,520.40*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,919.54	470.74
		For Class 52 Rating, Deduct	*-572.69*	
		For Class 54 Rating, Add	*789.50*	
		For Class 55 Rating, Add	*1,178.12*	
		For Class 56 Rating, Add	*1,561.53*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,065.11	475.36
		For Class 52 Rating, Deduct	*-587.94*	
		For Class 54 Rating, Add	*810.37*	
		For Class 55 Rating, Add	*1,209.19*	
		For Class 56 Rating, Add	*1,602.67*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,210.68	479.97
		For Class 52 Rating, Deduct	*-603.18*	
		For Class 54 Rating, Add	*831.24*	
		For Class 55 Rating, Add	*1,240.26*	
		For Class 56 Rating, Add	*1,643.80*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,356.27	484.58
		For Class 52 Rating, Deduct	*-618.42*	
		For Class 54 Rating, Add	*852.12*	
		For Class 55 Rating, Add	*1,271.34*	
		For Class 56 Rating, Add	*1,684.93*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,501.84	489.20
		For Class 52 Rating, Deduct	*-633.67*	
		For Class 54 Rating, Add	*872.99*	
		For Class 55 Rating, Add	*1,302.41*	
		For Class 56 Rating, Add	*1,726.07*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,647.40	493.82
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*893.86*	
		For Class 55 Rating, Add	*1,333.48*	
		For Class 56 Rating, Add	*1,767.20*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,792.98	498.43
		For Class 52 Rating, Deduct	*-664.16*	
		For Class 54 Rating, Add	*914.73*	
		For Class 55 Rating, Add	*1,364.55*	
		For Class 56 Rating, Add	*1,808.33*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2153		EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,938.56	503.05
			For Class 52 Rating, Deduct	*-679.40*	
			For Class 54 Rating, Add	*935.60*	
			For Class 55 Rating, Add	*1,395.62*	
			For Class 56 Rating, Add	*1,849.47*	
40 05 19 00-2154		EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,084.13	507.66
			For Class 52 Rating, Deduct	*-694.64*	
			For Class 54 Rating, Add	*956.47*	
			For Class 55 Rating, Add	*1,426.69*	
			For Class 56 Rating, Add	*1,890.60*	

40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2156		EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,158.28	424.59
			For Class 52 Rating, Deduct	*-166.65*	
			For Class 54 Rating, Add	*234.96*	
			For Class 55 Rating, Add	*353.28*	
			For Class 56 Rating, Add	*470.07*	
40 05 19 00-2157		EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,344.80	429.21
			For Class 52 Rating, Deduct	*-186.39*	
			For Class 54 Rating, Add	*261.98*	
			For Class 55 Rating, Add	*393.48*	
			For Class 56 Rating, Add	*523.28*	
40 05 19 00-2158		EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,531.31	433.82
			For Class 52 Rating, Deduct	*-206.14*	
			For Class 54 Rating, Add	*288.99*	
			For Class 55 Rating, Add	*433.68*	
			For Class 56 Rating, Add	*576.50*	
40 05 19 00-2159		EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,717.83	438.43
			For Class 52 Rating, Deduct	*-225.89*	
			For Class 54 Rating, Add	*316.00*	
			For Class 55 Rating, Add	*473.88*	
			For Class 56 Rating, Add	*629.71*	
40 05 19 00-2160		EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.36	443.05
			For Class 52 Rating, Deduct	*-245.64*	
			For Class 54 Rating, Add	*343.02*	
			For Class 55 Rating, Add	*514.09*	
			For Class 56 Rating, Add	*682.92*	
40 05 19 00-2161		EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,090.87	447.66
			For Class 52 Rating, Deduct	*-265.38*	
			For Class 54 Rating, Add	*370.03*	
			For Class 55 Rating, Add	*554.29*	
			For Class 56 Rating, Add	*736.13*	
40 05 19 00-2162		EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,277.39	452.28
			For Class 52 Rating, Deduct	*-285.13*	
			For Class 54 Rating, Add	*397.04*	
			For Class 55 Rating, Add	*594.49*	
			For Class 56 Rating, Add	*789.35*	
40 05 19 00-2163		EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,463.92	456.90
			For Class 52 Rating, Deduct	*-304.88*	
			For Class 54 Rating, Add	*424.05*	
			For Class 55 Rating, Add	*634.69*	
			For Class 56 Rating, Add	*842.56*	
40 05 19 00-2164		EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,650.44	461.51
			For Class 52 Rating, Deduct	*-324.63*	
			For Class 54 Rating, Add	*451.07*	
			For Class 55 Rating, Add	*674.90*	
			For Class 56 Rating, Add	*895.77*	
40 05 19 00-2165		EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,836.95	466.13
			For Class 52 Rating, Deduct	*-344.38*	
			For Class 54 Rating, Add	*478.08*	
			For Class 55 Rating, Add	*715.10*	
			For Class 56 Rating, Add	*948.98*	
40 05 19 00-2166		EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,023.48	470.74
			For Class 52 Rating, Deduct	*-364.13*	
			For Class 54 Rating, Add	*505.09*	
			For Class 55 Rating, Add	*755.30*	
			For Class 56 Rating, Add	*1,002.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,210.00	475.36
		For Class 52 Rating, Deduct	*-383.87*	
		For Class 54 Rating, Add	*532.11*	
		For Class 55 Rating, Add	*795.50*	
		For Class 56 Rating, Add	*1,055.41*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,396.51	479.97
		For Class 52 Rating, Deduct	*-403.62*	
		For Class 54 Rating, Add	*559.12*	
		For Class 55 Rating, Add	*835.70*	
		For Class 56 Rating, Add	*1,108.62*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,583.04	484.58
		For Class 52 Rating, Deduct	*-423.37*	
		For Class 54 Rating, Add	*586.13*	
		For Class 55 Rating, Add	*875.91*	
		For Class 56 Rating, Add	*1,161.83*	
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,769.56	489.20
		For Class 52 Rating, Deduct	*-443.12*	
		For Class 54 Rating, Add	*613.15*	
		For Class 55 Rating, Add	*916.11*	
		For Class 56 Rating, Add	*1,215.04*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,956.07	493.82
		For Class 52 Rating, Deduct	*-462.87*	
		For Class 54 Rating, Add	*640.16*	
		For Class 55 Rating, Add	*956.31*	
		For Class 56 Rating, Add	*1,268.26*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,142.59	498.43
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*667.17*	
		For Class 55 Rating, Add	*996.51*	
		For Class 56 Rating, Add	*1,321.47*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,329.11	503.05
		For Class 52 Rating, Deduct	*-502.36*	
		For Class 54 Rating, Add	*694.18*	
		For Class 55 Rating, Add	*1,036.72*	
		For Class 56 Rating, Add	*1,374.68*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,515.63	507.66
		For Class 52 Rating, Deduct	*-522.11*	
		For Class 54 Rating, Add	*721.20*	
		For Class 55 Rating, Add	*1,076.92*	
		For Class 56 Rating, Add	*1,427.89*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,702.15	512.28
		For Class 52 Rating, Deduct	*-541.86*	
		For Class 54 Rating, Add	*748.21*	
		For Class 55 Rating, Add	*1,117.12*	
		For Class 56 Rating, Add	*1,481.10*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,888.67	516.89
		For Class 52 Rating, Deduct	*-561.61*	
		For Class 54 Rating, Add	*775.22*	
		For Class 55 Rating, Add	*1,157.32*	
		For Class 56 Rating, Add	*1,534.32*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,075.19	521.50
		For Class 52 Rating, Deduct	*-581.35*	
		For Class 54 Rating, Add	*802.24*	
		For Class 55 Rating, Add	*1,197.53*	
		For Class 56 Rating, Add	*1,587.53*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,261.72	526.12
		For Class 52 Rating, Deduct	*-601.10*	
		For Class 54 Rating, Add	*829.25*	
		For Class 55 Rating, Add	*1,237.73*	
		For Class 56 Rating, Add	*1,640.74*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,448.23	530.74
		For Class 52 Rating, Deduct	*-620.85*	
		For Class 54 Rating, Add	*856.26*	
		For Class 55 Rating, Add	*1,277.93*	
		For Class 56 Rating, Add	*1,693.95*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,634.75	535.36
		For Class 52 Rating, Deduct	*-640.60*	
		For Class 54 Rating, Add	*883.28*	
		For Class 55 Rating, Add	*1,318.13*	
		For Class 56 Rating, Add	*1,747.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2181		EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,821.28	539.97
			For Class 52 Rating, Deduct	*-660.35*	
			For Class 54 Rating, Add	*910.29*	
			For Class 55 Rating, Add	*1,358.34*	
			For Class 56 Rating, Add	*1,800.38*	
40 05 19 00-2182		EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,007.79	544.58
			For Class 52 Rating, Deduct	*-680.09*	
			For Class 54 Rating, Add	*937.30*	
			For Class 55 Rating, Add	*1,398.54*	
			For Class 56 Rating, Add	*1,853.59*	
40 05 19 00-2183		EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,194.30	549.20
			For Class 52 Rating, Deduct	*-699.84*	
			For Class 54 Rating, Add	*964.31*	
			For Class 55 Rating, Add	*1,438.74*	
			For Class 56 Rating, Add	*1,906.80*	
40 05 19 00-2184		EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,380.83	553.81
			For Class 52 Rating, Deduct	*-719.59*	
			For Class 54 Rating, Add	*991.33*	
			For Class 55 Rating, Add	*1,478.94*	
			For Class 56 Rating, Add	*1,960.02*	
40 05 19 00-2185		EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,567.35	558.42
			For Class 52 Rating, Deduct	*-739.34*	
			For Class 54 Rating, Add	*1,018.34*	
			For Class 55 Rating, Add	*1,519.15*	
			For Class 56 Rating, Add	*2,013.23*	
40 05 19 00-2186		EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,753.86	563.05
			For Class 52 Rating, Deduct	*-759.08*	
			For Class 54 Rating, Add	*1,045.35*	
			For Class 55 Rating, Add	*1,559.35*	
			For Class 56 Rating, Add	*2,066.44*	
40 05 19 00-2187		EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,940.39	567.66
			For Class 52 Rating, Deduct	*-778.83*	
			For Class 54 Rating, Add	*1,072.37*	
			For Class 55 Rating, Add	*1,599.55*	
			For Class 56 Rating, Add	*2,119.65*	
40 05 19 00-2188		EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,126.91	572.28
			For Class 52 Rating, Deduct	*-798.58*	
			For Class 54 Rating, Add	*1,099.38*	
			For Class 55 Rating, Add	*1,639.75*	
			For Class 56 Rating, Add	*2,172.86*	
40 05 19 00-2189		EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,313.43	576.89
			For Class 52 Rating, Deduct	*-818.33*	
			For Class 54 Rating, Add	*1,126.39*	
			For Class 55 Rating, Add	*1,679.95*	
			For Class 56 Rating, Add	*2,226.08*	
40 05 19 00-2190		EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,499.95	581.50
			For Class 52 Rating, Deduct	*-838.08*	
			For Class 54 Rating, Add	*1,153.40*	
			For Class 55 Rating, Add	*1,720.16*	
			For Class 56 Rating, Add	*2,279.29*	
40 05 19 00-2191		EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,686.47	586.12
			For Class 52 Rating, Deduct	*-857.83*	
			For Class 54 Rating, Add	*1,180.42*	
			For Class 55 Rating, Add	*1,760.36*	
			For Class 56 Rating, Add	*2,332.50*	
40 05 19 00-2192		EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,872.99	590.73
			For Class 52 Rating, Deduct	*-877.57*	
			For Class 54 Rating, Add	*1,207.43*	
			For Class 55 Rating, Add	*1,800.56*	
			For Class 56 Rating, Add	*2,385.71*	
40 05 19 00-2193		EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,059.51	595.35
			For Class 52 Rating, Deduct	*-897.32*	
			For Class 54 Rating, Add	*1,234.44*	
			For Class 55 Rating, Add	*1,840.76*	
			For Class 56 Rating, Add	*2,438.92*	
40 05 19 00-2194		EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,246.03	599.97
			For Class 52 Rating, Deduct	*-917.07*	
			For Class 54 Rating, Add	*1,261.46*	
			For Class 55 Rating, Add	*1,880.97*	
			For Class 56 Rating, Add	*2,492.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2195		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,723.32	516.89
		For Class 52 Rating, Deduct	*-213.42*	
		For Class 54 Rating, Add	*300.42*	
		For Class 55 Rating, Add	*451.45*	
		For Class 56 Rating, Add	*600.54*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,963.38	521.50
		For Class 52 Rating, Deduct	*-239.05*	
		For Class 54 Rating, Add	*335.46*	
		For Class 55 Rating, Add	*503.59*	
		For Class 56 Rating, Add	*669.55*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,203.45	526.12
		For Class 52 Rating, Deduct	*-264.69*	
		For Class 54 Rating, Add	*370.51*	
		For Class 55 Rating, Add	*555.73*	
		For Class 56 Rating, Add	*738.55*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,443.51	530.74
		For Class 52 Rating, Deduct	*-290.33*	
		For Class 54 Rating, Add	*405.55*	
		For Class 55 Rating, Add	*607.88*	
		For Class 56 Rating, Add	*807.56*	
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,683.58	535.36
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*440.60*	
		For Class 55 Rating, Add	*660.02*	
		For Class 56 Rating, Add	*876.57*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,923.65	539.97
		For Class 52 Rating, Deduct	*-341.61*	
		For Class 54 Rating, Add	*475.64*	
		For Class 55 Rating, Add	*712.16*	
		For Class 56 Rating, Add	*945.58*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,163.71	544.58
		For Class 52 Rating, Deduct	*-367.24*	
		For Class 54 Rating, Add	*510.69*	
		For Class 55 Rating, Add	*764.31*	
		For Class 56 Rating, Add	*1,014.59*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,403.76	549.20
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*545.73*	
		For Class 55 Rating, Add	*816.45*	
		For Class 56 Rating, Add	*1,083.59*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,643.83	553.81
		For Class 52 Rating, Deduct	*-418.52*	
		For Class 54 Rating, Add	*580.78*	
		For Class 55 Rating, Add	*868.59*	
		For Class 56 Rating, Add	*1,152.60*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,883.89	558.42
		For Class 52 Rating, Deduct	*-444.16*	
		For Class 54 Rating, Add	*615.82*	
		For Class 55 Rating, Add	*920.73*	
		For Class 56 Rating, Add	*1,221.61*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,123.95	563.05
		For Class 52 Rating, Deduct	*-469.79*	
		For Class 54 Rating, Add	*650.87*	
		For Class 55 Rating, Add	*972.88*	
		For Class 56 Rating, Add	*1,290.61*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,364.02	567.66
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*685.91*	
		For Class 55 Rating, Add	*1,025.02*	
		For Class 56 Rating, Add	*1,359.62*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,604.08	572.28
		For Class 52 Rating, Deduct	*-521.07*	
		For Class 54 Rating, Add	*720.95*	
		For Class 55 Rating, Add	*1,077.16*	
		For Class 56 Rating, Add	*1,428.63*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,844.14	576.89
		For Class 52 Rating, Deduct	*-546.71*	
		For Class 54 Rating, Add	*756.00*	
		For Class 55 Rating, Add	*1,129.30*	
		For Class 56 Rating, Add	*1,497.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,084.21	581.50
		For Class 52 Rating, Deduct	*-572.35*	
		For Class 54 Rating, Add	*791.04*	
		For Class 55 Rating, Add	*1,181.45*	
		For Class 56 Rating, Add	*1,566.64*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,324.27	586.12
		For Class 52 Rating, Deduct	*-597.98*	
		For Class 54 Rating, Add	*826.09*	
		For Class 55 Rating, Add	*1,233.59*	
		For Class 56 Rating, Add	*1,635.65*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,564.33	590.73
		For Class 52 Rating, Deduct	*-623.62*	
		For Class 54 Rating, Add	*861.13*	
		For Class 55 Rating, Add	*1,285.73*	
		For Class 56 Rating, Add	*1,704.66*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,804.40	595.35
		For Class 52 Rating, Deduct	*-649.26*	
		For Class 54 Rating, Add	*896.18*	
		For Class 55 Rating, Add	*1,337.87*	
		For Class 56 Rating, Add	*1,773.67*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,044.46	599.97
		For Class 52 Rating, Deduct	*-674.90*	
		For Class 54 Rating, Add	*931.22*	
		For Class 55 Rating, Add	*1,390.02*	
		For Class 56 Rating, Add	*1,842.67*	
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,284.52	604.58
		For Class 52 Rating, Deduct	*-700.53*	
		For Class 54 Rating, Add	*966.27*	
		For Class 55 Rating, Add	*1,442.16*	
		For Class 56 Rating, Add	*1,911.68*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,524.58	609.20
		For Class 52 Rating, Deduct	*-726.17*	
		For Class 54 Rating, Add	*1,001.31*	
		For Class 55 Rating, Add	*1,494.30*	
		For Class 56 Rating, Add	*1,980.69*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,764.64	613.81
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,036.35*	
		For Class 55 Rating, Add	*1,546.44*	
		For Class 56 Rating, Add	*2,049.70*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,004.71	618.42
		For Class 52 Rating, Deduct	*-777.45*	
		For Class 54 Rating, Add	*1,071.40*	
		For Class 55 Rating, Add	*1,598.59*	
		For Class 56 Rating, Add	*2,118.70*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,244.77	623.04
		For Class 52 Rating, Deduct	*-803.08*	
		For Class 54 Rating, Add	*1,106.44*	
		For Class 55 Rating, Add	*1,650.73*	
		For Class 56 Rating, Add	*2,187.71*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,484.83	627.65
		For Class 52 Rating, Deduct	*-828.72*	
		For Class 54 Rating, Add	*1,141.49*	
		For Class 55 Rating, Add	*1,702.87*	
		For Class 56 Rating, Add	*2,256.72*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,724.90	632.27
		For Class 52 Rating, Deduct	*-854.36*	
		For Class 54 Rating, Add	*1,176.53*	
		For Class 55 Rating, Add	*1,755.01*	
		For Class 56 Rating, Add	*2,325.73*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,964.96	636.89
		For Class 52 Rating, Deduct	*-880.00*	
		For Class 54 Rating, Add	*1,211.58*	
		For Class 55 Rating, Add	*1,807.16*	
		For Class 56 Rating, Add	*2,394.73*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,205.02	641.50
		For Class 52 Rating, Deduct	*-905.64*	
		For Class 54 Rating, Add	*1,246.62*	
		For Class 55 Rating, Add	*1,859.30*	
		For Class 56 Rating, Add	*2,463.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,445.09	646.12
		For Class 52 Rating, Deduct	*-931.27*	
		For Class 54 Rating, Add	*1,281.67*	
		For Class 55 Rating, Add	*1,911.44*	
		For Class 56 Rating, Add	*2,532.75*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,685.16	650.73
		For Class 52 Rating, Deduct	*-956.91*	
		For Class 54 Rating, Add	*1,316.71*	
		For Class 55 Rating, Add	*1,963.58*	
		For Class 56 Rating, Add	*2,601.76*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,925.22	655.35
		For Class 52 Rating, Deduct	*-982.55*	
		For Class 54 Rating, Add	*1,351.76*	
		For Class 55 Rating, Add	*2,015.73*	
		For Class 56 Rating, Add	*2,670.77*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,165.29	659.96
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,386.80*	
		For Class 55 Rating, Add	*2,067.87*	
		For Class 56 Rating, Add	*2,739.77*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,405.34	664.57
		For Class 52 Rating, Deduct	*-1,033.83*	
		For Class 54 Rating, Add	*1,421.84*	
		For Class 55 Rating, Add	*2,120.01*	
		For Class 56 Rating, Add	*2,808.78*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,645.40	669.19
		For Class 52 Rating, Deduct	*-1,059.46*	
		For Class 54 Rating, Add	*1,456.89*	
		For Class 55 Rating, Add	*2,172.15*	
		For Class 56 Rating, Add	*2,877.79*	
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,885.47	673.81
		For Class 52 Rating, Deduct	*-1,085.10*	
		For Class 54 Rating, Add	*1,491.93*	
		For Class 55 Rating, Add	*2,224.30*	
		For Class 56 Rating, Add	*2,946.80*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,125.53	678.42
		For Class 52 Rating, Deduct	*-1,110.74*	
		For Class 54 Rating, Add	*1,526.98*	
		For Class 55 Rating, Add	*2,276.44*	
		For Class 56 Rating, Add	*3,015.80*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,365.59	683.04
		For Class 52 Rating, Deduct	*-1,136.38*	
		For Class 54 Rating, Add	*1,562.02*	
		For Class 55 Rating, Add	*2,328.58*	
		For Class 56 Rating, Add	*3,084.81*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,605.66	687.65
		For Class 52 Rating, Deduct	*-1,162.01*	
		For Class 54 Rating, Add	*1,597.07*	
		For Class 55 Rating, Add	*2,380.72*	
		For Class 56 Rating, Add	*3,153.82*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,845.72	692.27
		For Class 52 Rating, Deduct	*-1,187.65*	
		For Class 54 Rating, Add	*1,632.11*	
		For Class 55 Rating, Add	*2,432.87*	
		For Class 56 Rating, Add	*3,222.82*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,561.64	646.12
		For Class 52 Rating, Deduct	*-284.09*	
		For Class 54 Rating, Add	*399.15*	
		For Class 55 Rating, Add	*599.43*	
		For Class 56 Rating, Add	*797.13*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,858.40	650.73
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*442.70*	
		For Class 55 Rating, Add	*664.22*	
		For Class 56 Rating, Add	*882.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,155.15	655.35
		For Class 52 Rating, Deduct	*-347.84*	
		For Class 54 Rating, Add	*486.25*	
		For Class 55 Rating, Add	*729.00*	
		For Class 56 Rating, Add	*968.60*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,451.91	659.96
		For Class 52 Rating, Deduct	*-379.72*	
		For Class 54 Rating, Add	*529.79*	
		For Class 55 Rating, Add	*793.79*	
		For Class 56 Rating, Add	*1,054.33*	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,748.65	664.57
		For Class 52 Rating, Deduct	*-411.59*	
		For Class 54 Rating, Add	*573.34*	
		For Class 55 Rating, Add	*858.57*	
		For Class 56 Rating, Add	*1,140.06*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,045.41	669.19
		For Class 52 Rating, Deduct	*-443.46*	
		For Class 54 Rating, Add	*616.89*	
		For Class 55 Rating, Add	*923.36*	
		For Class 56 Rating, Add	*1,225.79*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,342.17	673.81
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*660.44*	
		For Class 55 Rating, Add	*988.14*	
		For Class 56 Rating, Add	*1,311.52*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,638.92	678.42
		For Class 52 Rating, Deduct	*-507.21*	
		For Class 54 Rating, Add	*703.99*	
		For Class 55 Rating, Add	*1,052.93*	
		For Class 56 Rating, Add	*1,397.25*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,935.68	683.04
		For Class 52 Rating, Deduct	*-539.09*	
		For Class 54 Rating, Add	*747.54*	
		For Class 55 Rating, Add	*1,117.71*	
		For Class 56 Rating, Add	*1,482.99*	
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,232.44	687.65
		For Class 52 Rating, Deduct	*-570.96*	
		For Class 54 Rating, Add	*791.08*	
		For Class 55 Rating, Add	*1,182.50*	
		For Class 56 Rating, Add	*1,568.72*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,529.19	692.27
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*834.63*	
		For Class 55 Rating, Add	*1,247.28*	
		For Class 56 Rating, Add	*1,654.45*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,825.95	696.88
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*878.18*	
		For Class 55 Rating, Add	*1,312.07*	
		For Class 56 Rating, Add	*1,740.18*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,122.71	701.49
		For Class 52 Rating, Deduct	*-666.58*	
		For Class 54 Rating, Add	*921.73*	
		For Class 55 Rating, Add	*1,376.85*	
		For Class 56 Rating, Add	*1,825.91*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,419.46	706.11
		For Class 52 Rating, Deduct	*-698.45*	
		For Class 54 Rating, Add	*965.28*	
		For Class 55 Rating, Add	*1,441.64*	
		For Class 56 Rating, Add	*1,911.64*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,716.22	710.73
		For Class 52 Rating, Deduct	*-730.33*	
		For Class 54 Rating, Add	*1,008.83*	
		For Class 55 Rating, Add	*1,506.42*	
		For Class 56 Rating, Add	*1,997.38*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,012.98	715.35
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,052.37*	
		For Class 55 Rating, Add	*1,571.21*	
		For Class 56 Rating, Add	*2,083.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,309.73	719.96
		For Class 52 Rating, Deduct	*-794.08*	
		For Class 54 Rating, Add	*1,095.92*	
		For Class 55 Rating, Add	*1,635.99*	
		For Class 56 Rating, Add	*2,168.84*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,606.48	724.57
		For Class 52 Rating, Deduct	*-825.95*	
		For Class 54 Rating, Add	*1,139.47*	
		For Class 55 Rating, Add	*1,700.78*	
		For Class 56 Rating, Add	*2,254.57*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,903.24	729.19
		For Class 52 Rating, Deduct	*-857.83*	
		For Class 54 Rating, Add	*1,183.02*	
		For Class 55 Rating, Add	*1,765.56*	
		For Class 56 Rating, Add	*2,340.30*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,199.99	733.80
		For Class 52 Rating, Deduct	*-889.70*	
		For Class 54 Rating, Add	*1,226.57*	
		For Class 55 Rating, Add	*1,830.35*	
		For Class 56 Rating, Add	*2,426.04*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,496.75	738.41
		For Class 52 Rating, Deduct	*-921.57*	
		For Class 54 Rating, Add	*1,270.12*	
		For Class 55 Rating, Add	*1,895.13*	
		For Class 56 Rating, Add	*2,511.77*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,793.51	743.03
		For Class 52 Rating, Deduct	*-953.45*	
		For Class 54 Rating, Add	*1,313.66*	
		For Class 55 Rating, Add	*1,959.92*	
		For Class 56 Rating, Add	*2,597.50*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,090.26	747.65
		For Class 52 Rating, Deduct	*-985.32*	
		For Class 54 Rating, Add	*1,357.21*	
		For Class 55 Rating, Add	*2,024.70*	
		For Class 56 Rating, Add	*2,683.23*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,387.02	752.27
		For Class 52 Rating, Deduct	*-1,017.20*	
		For Class 54 Rating, Add	*1,400.76*	
		For Class 55 Rating, Add	*2,089.49*	
		For Class 56 Rating, Add	*2,768.97*	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,680.63	756.88
		For Class 52 Rating, Deduct	*-1,048.72*	
		For Class 54 Rating, Add	*1,443.84*	
		For Class 55 Rating, Add	*2,153.57*	
		For Class 56 Rating, Add	*2,853.77*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,980.53	761.49
		For Class 52 Rating, Deduct	*-1,080.94*	
		For Class 54 Rating, Add	*1,487.86*	
		For Class 55 Rating, Add	*2,219.06*	
		For Class 56 Rating, Add	*2,940.43*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,277.29	766.11
		For Class 52 Rating, Deduct	*-1,112.82*	
		For Class 54 Rating, Add	*1,531.41*	
		For Class 55 Rating, Add	*2,283.84*	
		For Class 56 Rating, Add	*3,026.16*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,574.05	770.72
		For Class 52 Rating, Deduct	*-1,144.69*	
		For Class 54 Rating, Add	*1,574.96*	
		For Class 55 Rating, Add	*2,348.63*	
		For Class 56 Rating, Add	*3,111.89*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,870.80	775.34
		For Class 52 Rating, Deduct	*-1,176.56*	
		For Class 54 Rating, Add	*1,618.50*	
		For Class 55 Rating, Add	*2,413.41*	
		For Class 56 Rating, Add	*3,197.62*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,167.54	779.96
		For Class 52 Rating, Deduct	*-1,208.44*	
		For Class 54 Rating, Add	*1,662.05*	
		For Class 55 Rating, Add	*2,478.20*	
		For Class 56 Rating, Add	*3,283.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,464.31	784.57
		For Class 52 Rating, Deduct	*-1,240.31*	
		For Class 54 Rating, Add	*1,705.60*	
		For Class 55 Rating, Add	*2,542.98*	
		For Class 56 Rating, Add	*3,369.09*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,761.06	789.19
		For Class 52 Rating, Deduct	*-1,272.19*	
		For Class 54 Rating, Add	*1,749.15*	
		For Class 55 Rating, Add	*2,607.77*	
		For Class 56 Rating, Add	*3,454.82*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,057.81	793.80
		For Class 52 Rating, Deduct	*-1,304.06*	
		For Class 54 Rating, Add	*1,792.70*	
		For Class 55 Rating, Add	*2,672.55*	
		For Class 56 Rating, Add	*3,540.55*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,354.58	798.41
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,836.25*	
		For Class 55 Rating, Add	*2,737.34*	
		For Class 56 Rating, Add	*3,626.28*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,651.33	803.03
		For Class 52 Rating, Deduct	*-1,367.81*	
		For Class 54 Rating, Add	*1,879.79*	
		For Class 55 Rating, Add	*2,802.12*	
		For Class 56 Rating, Add	*3,712.01*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,948.08	807.64
		For Class 52 Rating, Deduct	*-1,399.68*	
		For Class 54 Rating, Add	*1,923.34*	
		For Class 55 Rating, Add	*2,866.91*	
		For Class 56 Rating, Add	*3,797.75*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,244.85	812.26
		For Class 52 Rating, Deduct	*-1,431.56*	
		For Class 54 Rating, Add	*1,966.89*	
		For Class 55 Rating, Add	*2,931.69*	
		For Class 56 Rating, Add	*3,883.48*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,541.60	816.88
		For Class 52 Rating, Deduct	*-1,463.43*	
		For Class 54 Rating, Add	*2,010.44*	
		For Class 55 Rating, Add	*2,996.48*	
		For Class 56 Rating, Add	*3,969.21*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,838.35	821.49
		For Class 52 Rating, Deduct	*-1,495.30*	
		For Class 54 Rating, Add	*2,053.99*	
		For Class 55 Rating, Add	*3,061.26*	
		For Class 56 Rating, Add	*4,054.94*	

40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,768.45	775.34
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*553.15*	
		For Class 55 Rating, Add	*829.59*	
		For Class 56 Rating, Add	*1,102.43*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,128.19	779.96
		For Class 52 Rating, Deduct	*-434.11*	
		For Class 54 Rating, Add	*606.15*	
		For Class 55 Rating, Add	*908.42*	
		For Class 56 Rating, Add	*1,206.75*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,487.94	784.57
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*659.14*	
		For Class 55 Rating, Add	*987.25*	
		For Class 56 Rating, Add	*1,311.06*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,847.69	789.19
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*712.14*	
		For Class 55 Rating, Add	*1,066.08*	
		For Class 56 Rating, Add	*1,415.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,207.43	793.80
		For Class 52 Rating, Deduct	*-550.52*	
		For Class 54 Rating, Add	*765.14*	
		For Class 55 Rating, Add	*1,144.92*	
		For Class 56 Rating, Add	*1,519.69*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,567.19	798.41
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*818.14*	
		For Class 55 Rating, Add	*1,223.75*	
		For Class 56 Rating, Add	*1,624.00*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,926.93	803.03
		For Class 52 Rating, Deduct	*-628.12*	
		For Class 54 Rating, Add	*871.13*	
		For Class 55 Rating, Add	*1,302.58*	
		For Class 56 Rating, Add	*1,728.32*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,286.68	807.64
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*924.13*	
		For Class 55 Rating, Add	*1,381.41*	
		For Class 56 Rating, Add	*1,832.63*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,646.44	812.26
		For Class 52 Rating, Deduct	*-705.73*	
		For Class 54 Rating, Add	*977.13*	
		For Class 55 Rating, Add	*1,460.25*	
		For Class 56 Rating, Add	*1,936.95*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,006.18	816.88
		For Class 52 Rating, Deduct	*-744.53*	
		For Class 54 Rating, Add	*1,030.13*	
		For Class 55 Rating, Add	*1,539.08*	
		For Class 56 Rating, Add	*2,041.26*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,365.93	821.49
		For Class 52 Rating, Deduct	*-783.34*	
		For Class 54 Rating, Add	*1,083.12*	
		For Class 55 Rating, Add	*1,617.91*	
		For Class 56 Rating, Add	*2,145.58*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,725.68	826.11
		For Class 52 Rating, Deduct	*-822.14*	
		For Class 54 Rating, Add	*1,136.12*	
		For Class 55 Rating, Add	*1,696.74*	
		For Class 56 Rating, Add	*2,249.89*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,085.43	830.72
		For Class 52 Rating, Deduct	*-860.94*	
		For Class 54 Rating, Add	*1,189.12*	
		For Class 55 Rating, Add	*1,775.58*	
		For Class 56 Rating, Add	*2,354.21*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,445.17	835.34
		For Class 52 Rating, Deduct	*-899.75*	
		For Class 54 Rating, Add	*1,242.11*	
		For Class 55 Rating, Add	*1,854.41*	
		For Class 56 Rating, Add	*2,458.52*	
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,804.92	839.95
		For Class 52 Rating, Deduct	*-938.55*	
		For Class 54 Rating, Add	*1,295.11*	
		For Class 55 Rating, Add	*1,933.24*	
		For Class 56 Rating, Add	*2,562.84*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,164.66	844.56
		For Class 52 Rating, Deduct	*-977.35*	
		For Class 54 Rating, Add	*1,348.11*	
		For Class 55 Rating, Add	*2,012.07*	
		For Class 56 Rating, Add	*2,667.15*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,524.41	849.18
		For Class 52 Rating, Deduct	*-1,016.16*	
		For Class 54 Rating, Add	*1,401.11*	
		For Class 55 Rating, Add	*2,090.90*	
		For Class 56 Rating, Add	*2,771.46*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,884.16	853.80
		For Class 52 Rating, Deduct	*-1,054.96*	
		For Class 54 Rating, Add	*1,454.10*	
		For Class 55 Rating, Add	*2,169.74*	
		For Class 56 Rating, Add	*2,875.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,243.91	858.41
		For Class 52 Rating, Deduct	*-1,093.76*	
		For Class 54 Rating, Add	*1,507.10*	
		For Class 55 Rating, Add	*2,248.57*	
		For Class 56 Rating, Add	*2,980.09*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,603.66	863.03
		For Class 52 Rating, Deduct	*-1,132.56*	
		For Class 54 Rating, Add	*1,560.10*	
		For Class 55 Rating, Add	*2,327.40*	
		For Class 56 Rating, Add	*3,084.41*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,963.41	867.64
		For Class 52 Rating, Deduct	*-1,171.37*	
		For Class 54 Rating, Add	*1,613.10*	
		For Class 55 Rating, Add	*2,406.23*	
		For Class 56 Rating, Add	*3,188.72*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,323.15	872.26
		For Class 52 Rating, Deduct	*-1,210.17*	
		For Class 54 Rating, Add	*1,666.09*	
		For Class 55 Rating, Add	*2,485.06*	
		For Class 56 Rating, Add	*3,293.03*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,682.91	876.87
		For Class 52 Rating, Deduct	*-1,248.97*	
		For Class 54 Rating, Add	*1,719.09*	
		For Class 55 Rating, Add	*2,563.90*	
		For Class 56 Rating, Add	*3,397.35*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,042.65	881.48
		For Class 52 Rating, Deduct	*-1,287.78*	
		For Class 54 Rating, Add	*1,772.09*	
		For Class 55 Rating, Add	*2,642.73*	
		For Class 56 Rating, Add	*3,501.66*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,402.40	886.10
		For Class 52 Rating, Deduct	*-1,326.58*	
		For Class 54 Rating, Add	*1,825.08*	
		For Class 55 Rating, Add	*2,721.56*	
		For Class 56 Rating, Add	*3,605.98*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,762.15	890.72
		For Class 52 Rating, Deduct	*-1,365.38*	
		For Class 54 Rating, Add	*1,878.08*	
		For Class 55 Rating, Add	*2,800.39*	
		For Class 56 Rating, Add	*3,710.29*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,121.89	895.34
		For Class 52 Rating, Deduct	*-1,404.19*	
		For Class 54 Rating, Add	*1,931.08*	
		For Class 55 Rating, Add	*2,879.23*	
		For Class 56 Rating, Add	*3,814.61*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,481.63	899.95
		For Class 52 Rating, Deduct	*-1,442.99*	
		For Class 54 Rating, Add	*1,984.07*	
		For Class 55 Rating, Add	*2,958.06*	
		For Class 56 Rating, Add	*3,918.92*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,841.39	904.56
		For Class 52 Rating, Deduct	*-1,481.79*	
		For Class 54 Rating, Add	*2,037.07*	
		For Class 55 Rating, Add	*3,036.89*	
		For Class 56 Rating, Add	*4,023.24*	
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,201.13	909.18
		For Class 52 Rating, Deduct	*-1,520.59*	
		For Class 54 Rating, Add	*2,090.07*	
		For Class 55 Rating, Add	*3,115.72*	
		For Class 56 Rating, Add	*4,127.55*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,560.88	913.79
		For Class 52 Rating, Deduct	*-1,559.40*	
		For Class 54 Rating, Add	*2,143.07*	
		For Class 55 Rating, Add	*3,194.55*	
		For Class 56 Rating, Add	*4,231.87*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,920.63	918.40
		For Class 52 Rating, Deduct	*-1,598.20*	
		For Class 54 Rating, Add	*2,196.06*	
		For Class 55 Rating, Add	*3,273.39*	
		For Class 56 Rating, Add	*4,336.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,280.38	923.02
		For Class 52 Rating, Deduct	*-1,637.00*	
		For Class 54 Rating, Add	*2,249.06*	
		For Class 55 Rating, Add	*3,352.22*	
		For Class 56 Rating, Add	*4,440.50*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,640.13	927.64
		For Class 52 Rating, Deduct	*-1,675.81*	
		For Class 54 Rating, Add	*2,302.06*	
		For Class 55 Rating, Add	*3,431.05*	
		For Class 56 Rating, Add	*4,544.81*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,999.88	932.26
		For Class 52 Rating, Deduct	*-1,714.61*	
		For Class 54 Rating, Add	*2,355.06*	
		For Class 55 Rating, Add	*3,509.88*	
		For Class 56 Rating, Add	*4,649.12*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,359.63	936.87
		For Class 52 Rating, Deduct	*-1,753.41*	
		For Class 54 Rating, Add	*2,408.05*	
		For Class 55 Rating, Add	*3,588.72*	
		For Class 56 Rating, Add	*4,753.44*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,719.37	941.48
		For Class 52 Rating, Deduct	*-1,792.22*	
		For Class 54 Rating, Add	*2,461.05*	
		For Class 55 Rating, Add	*3,667.55*	
		For Class 56 Rating, Add	*4,857.75*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,079.13	946.10
		For Class 52 Rating, Deduct	*-1,831.02*	
		For Class 54 Rating, Add	*2,514.05*	
		For Class 55 Rating, Add	*3,746.38*	
		For Class 56 Rating, Add	*4,962.07*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,594.54	886.10
		For Class 52 Rating, Deduct	*-467.72*	
		For Class 54 Rating, Add	*653.90*	
		For Class 55 Rating, Add	*980.41*	
		For Class 56 Rating, Add	*1,302.66*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,010.99	890.72
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*715.41*	
		For Class 55 Rating, Add	*1,071.88*	
		For Class 56 Rating, Add	*1,423.70*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,427.42	895.34
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*776.91*	
		For Class 55 Rating, Add	*1,163.36*	
		For Class 56 Rating, Add	*1,544.74*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,843.85	899.95
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*838.41*	
		For Class 55 Rating, Add	*1,254.83*	
		For Class 56 Rating, Add	*1,665.78*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,260.30	904.56
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*899.91*	
		For Class 55 Rating, Add	*1,346.31*	
		For Class 56 Rating, Add	*1,786.82*	
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,676.74	909.18
		For Class 52 Rating, Deduct	*-692.91*	
		For Class 54 Rating, Add	*961.41*	
		For Class 55 Rating, Add	*1,437.78*	
		For Class 56 Rating, Add	*1,907.86*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,093.18	913.79
		For Class 52 Rating, Deduct	*-737.95*	
		For Class 54 Rating, Add	*1,022.91*	
		For Class 55 Rating, Add	*1,529.26*	
		For Class 56 Rating, Add	*2,028.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,509.63	918.40
		For Class 52 Rating, Deduct	*-782.99*	
		For Class 54 Rating, Add	*1,084.41*	
		For Class 55 Rating, Add	*1,620.73*	
		For Class 56 Rating, Add	*2,149.93*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,926.06	923.02
		For Class 52 Rating, Deduct	*-828.03*	
		For Class 54 Rating, Add	*1,145.91*	
		For Class 55 Rating, Add	*1,712.21*	
		For Class 56 Rating, Add	*2,270.97*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,342.50	927.64
		For Class 52 Rating, Deduct	*-873.07*	
		For Class 54 Rating, Add	*1,207.41*	
		For Class 55 Rating, Add	*1,803.68*	
		For Class 56 Rating, Add	*2,392.01*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,758.95	932.26
		For Class 52 Rating, Deduct	*-918.11*	
		For Class 54 Rating, Add	*1,268.92*	
		For Class 55 Rating, Add	*1,895.16*	
		For Class 56 Rating, Add	*2,513.05*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,175.39	936.87
		For Class 52 Rating, Deduct	*-963.15*	
		For Class 54 Rating, Add	*1,330.42*	
		For Class 55 Rating, Add	*1,986.63*	
		For Class 56 Rating, Add	*2,634.09*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,591.83	941.48
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,391.92*	
		For Class 55 Rating, Add	*2,078.11*	
		For Class 56 Rating, Add	*2,755.13*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,008.27	946.10
		For Class 52 Rating, Deduct	*-1,053.23*	
		For Class 54 Rating, Add	*1,453.42*	
		For Class 55 Rating, Add	*2,169.58*	
		For Class 56 Rating, Add	*2,876.17*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,424.71	950.71
		For Class 52 Rating, Deduct	*-1,098.27*	
		For Class 54 Rating, Add	*1,514.92*	
		For Class 55 Rating, Add	*2,261.05*	
		For Class 56 Rating, Add	*2,997.21*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,841.14	955.33
		For Class 52 Rating, Deduct	*-1,143.30*	
		For Class 54 Rating, Add	*1,576.42*	
		For Class 55 Rating, Add	*2,352.53*	
		For Class 56 Rating, Add	*3,118.24*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,257.59	959.94
		For Class 52 Rating, Deduct	*-1,188.34*	
		For Class 54 Rating, Add	*1,637.92*	
		For Class 55 Rating, Add	*2,444.01*	
		For Class 56 Rating, Add	*3,239.28*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,674.03	964.56
		For Class 52 Rating, Deduct	*-1,233.38*	
		For Class 54 Rating, Add	*1,699.42*	
		For Class 55 Rating, Add	*2,535.48*	
		For Class 56 Rating, Add	*3,360.32*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,090.46	969.18
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,760.92*	
		For Class 55 Rating, Add	*2,626.95*	
		For Class 56 Rating, Add	*3,481.36*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,506.91	973.79
		For Class 52 Rating, Deduct	*-1,323.46*	
		For Class 54 Rating, Add	*1,822.43*	
		For Class 55 Rating, Add	*2,718.43*	
		For Class 56 Rating, Add	*3,602.40*	
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,923.35	978.40
		For Class 52 Rating, Deduct	*-1,368.50*	
		For Class 54 Rating, Add	*1,883.93*	
		For Class 55 Rating, Add	*2,809.90*	
		For Class 56 Rating, Add	*3,723.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,339.79	983.02
		For Class 52 Rating, Deduct	*-1,413.54*	
		For Class 54 Rating, Add	*1,945.43*	
		For Class 55 Rating, Add	*2,901.38*	
		For Class 56 Rating, Add	*3,844.48*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,756.24	987.63
		For Class 52 Rating, Deduct	*-1,458.58*	
		For Class 54 Rating, Add	*2,006.93*	
		For Class 55 Rating, Add	*2,992.85*	
		For Class 56 Rating, Add	*3,965.52*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,172.67	992.25
		For Class 52 Rating, Deduct	*-1,503.62*	
		For Class 54 Rating, Add	*2,068.43*	
		For Class 55 Rating, Add	*3,084.33*	
		For Class 56 Rating, Add	*4,086.55*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,589.11	996.86
		For Class 52 Rating, Deduct	*-1,548.66*	
		For Class 54 Rating, Add	*2,129.93*	
		For Class 55 Rating, Add	*3,175.80*	
		For Class 56 Rating, Add	*4,207.59*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,005.56	1,001.48
		For Class 52 Rating, Deduct	*-1,593.70*	
		For Class 54 Rating, Add	*2,191.43*	
		For Class 55 Rating, Add	*3,267.28*	
		For Class 56 Rating, Add	*4,328.63*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,422.00	1,006.10
		For Class 52 Rating, Deduct	*-1,638.74*	
		For Class 54 Rating, Add	*2,252.93*	
		For Class 55 Rating, Add	*3,358.75*	
		For Class 56 Rating, Add	*4,449.67*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,838.43	1,010.71
		For Class 52 Rating, Deduct	*-1,683.78*	
		For Class 54 Rating, Add	*2,314.44*	
		For Class 55 Rating, Add	*3,450.23*	
		For Class 56 Rating, Add	*4,570.71*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,254.87	1,015.33
		For Class 52 Rating, Deduct	*-1,728.82*	
		For Class 54 Rating, Add	*2,375.94*	
		For Class 55 Rating, Add	*3,541.70*	
		For Class 56 Rating, Add	*4,691.75*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,671.31	1,019.94
		For Class 52 Rating, Deduct	*-1,773.85*	
		For Class 54 Rating, Add	*2,437.44*	
		For Class 55 Rating, Add	*3,633.18*	
		For Class 56 Rating, Add	*4,812.79*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,087.75	1,024.55
		For Class 52 Rating, Deduct	*-1,818.89*	
		For Class 54 Rating, Add	*2,498.94*	
		For Class 55 Rating, Add	*3,724.65*	
		For Class 56 Rating, Add	*4,933.83*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,504.20	1,029.17
		For Class 52 Rating, Deduct	*-1,863.93*	
		For Class 54 Rating, Add	*2,560.44*	
		For Class 55 Rating, Add	*3,816.13*	
		For Class 56 Rating, Add	*5,054.87*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,920.64	1,033.78
		For Class 52 Rating, Deduct	*-1,908.97*	
		For Class 54 Rating, Add	*2,621.94*	
		For Class 55 Rating, Add	*3,907.60*	
		For Class 56 Rating, Add	*5,175.91*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,337.07	1,038.40
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,683.44*	
		For Class 55 Rating, Add	*3,999.07*	
		For Class 56 Rating, Add	*5,296.94*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,753.52	1,043.02
		For Class 52 Rating, Deduct	*-1,999.05*	
		For Class 54 Rating, Add	*2,744.94*	
		For Class 55 Rating, Add	*4,090.55*	
		For Class 56 Rating, Add	*5,417.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,169.96	1,047.63
		For Class 52 Rating, Deduct	*-2,044.09*	
		For Class 54 Rating, Add	*2,806.44*	
		For Class 55 Rating, Add	*4,182.02*	
		For Class 56 Rating, Add	*5,539.02*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,586.40	1,052.25
		For Class 52 Rating, Deduct	*-2,089.13*	
		For Class 54 Rating, Add	*2,867.95*	
		For Class 55 Rating, Add	*4,273.50*	
		For Class 56 Rating, Add	*5,660.06*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,002.85	1,056.86
		For Class 52 Rating, Deduct	*-2,134.17*	
		For Class 54 Rating, Add	*2,929.45*	
		For Class 55 Rating, Add	*4,364.97*	
		For Class 56 Rating, Add	*5,781.10*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,521.06	998.71
		For Class 52 Rating, Deduct	*-550.86*	
		For Class 54 Rating, Add	*769.34*	
		For Class 55 Rating, Add	*1,153.07*	
		For Class 56 Rating, Add	*1,531.79*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,000.49	1,003.33
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*840.29*	
		For Class 55 Rating, Add	*1,258.59*	
		For Class 56 Rating, Add	*1,671.42*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,479.93	1,007.94
		For Class 52 Rating, Deduct	*-654.80*	
		For Class 54 Rating, Add	*911.24*	
		For Class 55 Rating, Add	*1,364.11*	
		For Class 56 Rating, Add	*1,811.04*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,959.36	1,012.55
		For Class 52 Rating, Deduct	*-706.77*	
		For Class 54 Rating, Add	*982.19*	
		For Class 55 Rating, Add	*1,469.64*	
		For Class 56 Rating, Add	*1,950.66*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,438.79	1,017.17
		For Class 52 Rating, Deduct	*-758.74*	
		For Class 54 Rating, Add	*1,053.14*	
		For Class 55 Rating, Add	*1,575.16*	
		For Class 56 Rating, Add	*2,090.28*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,918.22	1,021.78
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,124.09*	
		For Class 55 Rating, Add	*1,680.68*	
		For Class 56 Rating, Add	*2,229.90*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,397.65	1,026.40
		For Class 52 Rating, Deduct	*-862.68*	
		For Class 54 Rating, Add	*1,195.04*	
		For Class 55 Rating, Add	*1,786.20*	
		For Class 56 Rating, Add	*2,369.52*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,877.08	1,031.02
		For Class 52 Rating, Deduct	*-914.64*	
		For Class 54 Rating, Add	*1,265.99*	
		For Class 55 Rating, Add	*1,891.72*	
		For Class 56 Rating, Add	*2,509.14*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,356.52	1,035.63
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,336.94*	
		For Class 55 Rating, Add	*1,997.25*	
		For Class 56 Rating, Add	*2,648.77*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,835.95	1,040.25
		For Class 52 Rating, Deduct	*-1,018.58*	
		For Class 54 Rating, Add	*1,407.89*	
		For Class 55 Rating, Add	*2,102.77*	
		For Class 56 Rating, Add	*2,788.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,315.38	1,044.86
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,478.84*	
		For Class 55 Rating, Add	*2,208.29*	
		For Class 56 Rating, Add	*2,928.01*	
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,794.82	1,049.48
		For Class 52 Rating, Deduct	*-1,122.52*	
		For Class 54 Rating, Add	*1,549.79*	
		For Class 55 Rating, Add	*2,313.81*	
		For Class 56 Rating, Add	*3,067.63*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,274.25	1,054.09
		For Class 52 Rating, Deduct	*-1,174.49*	
		For Class 54 Rating, Add	*1,620.74*	
		For Class 55 Rating, Add	*2,419.33*	
		For Class 56 Rating, Add	*3,207.25*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,753.68	1,058.70
		For Class 52 Rating, Deduct	*-1,226.45*	
		For Class 54 Rating, Add	*1,691.69*	
		For Class 55 Rating, Add	*2,524.85*	
		For Class 56 Rating, Add	*3,346.87*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,233.12	1,063.33
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,762.64*	
		For Class 55 Rating, Add	*2,630.38*	
		For Class 56 Rating, Add	*3,486.50*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,712.55	1,067.94
		For Class 52 Rating, Deduct	*-1,330.39*	
		For Class 54 Rating, Add	*1,833.59*	
		For Class 55 Rating, Add	*2,735.90*	
		For Class 56 Rating, Add	*3,626.12*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,191.98	1,072.55
		For Class 52 Rating, Deduct	*-1,382.36*	
		For Class 54 Rating, Add	*1,904.54*	
		For Class 55 Rating, Add	*2,841.42*	
		For Class 56 Rating, Add	*3,765.74*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,671.42	1,077.17
		For Class 52 Rating, Deduct	*-1,434.33*	
		For Class 54 Rating, Add	*1,975.49*	
		For Class 55 Rating, Add	*2,946.94*	
		For Class 56 Rating, Add	*3,905.36*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,150.84	1,081.78
		For Class 52 Rating, Deduct	*-1,486.30*	
		For Class 54 Rating, Add	*2,046.44*	
		For Class 55 Rating, Add	*3,052.46*	
		For Class 56 Rating, Add	*4,044.98*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,630.27	1,086.40
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,117.39*	
		For Class 55 Rating, Add	*3,157.99*	
		For Class 56 Rating, Add	*4,184.60*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,109.71	1,091.01
		For Class 52 Rating, Deduct	*-1,590.23*	
		For Class 54 Rating, Add	*2,188.34*	
		For Class 55 Rating, Add	*3,263.51*	
		For Class 56 Rating, Add	*4,324.22*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,589.14	1,095.62
		For Class 52 Rating, Deduct	*-1,642.20*	
		For Class 54 Rating, Add	*2,259.29*	
		For Class 55 Rating, Add	*3,369.03*	
		For Class 56 Rating, Add	*4,463.85*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,068.57	1,100.25
		For Class 52 Rating, Deduct	*-1,694.17*	
		For Class 54 Rating, Add	*2,330.24*	
		For Class 55 Rating, Add	*3,474.55*	
		For Class 56 Rating, Add	*4,603.47*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,548.01	1,104.86
		For Class 52 Rating, Deduct	*-1,746.14*	
		For Class 54 Rating, Add	*2,401.19*	
		For Class 55 Rating, Add	*3,580.07*	
		For Class 56 Rating, Add	*4,743.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,027.44	1,109.48
		For Class 52 Rating, Deduct	*-1,798.11*	
		For Class 54 Rating, Add	*2,472.14*	
		For Class 55 Rating, Add	*3,685.60*	
		For Class 56 Rating, Add	*4,882.71*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,506.87	1,114.09
		For Class 52 Rating, Deduct	*-1,850.07*	
		For Class 54 Rating, Add	*2,543.09*	
		For Class 55 Rating, Add	*3,791.12*	
		For Class 56 Rating, Add	*5,022.33*	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,986.31	1,118.70
		For Class 52 Rating, Deduct	*-1,902.04*	
		For Class 54 Rating, Add	*2,614.04*	
		For Class 55 Rating, Add	*3,896.64*	
		For Class 56 Rating, Add	*5,161.95*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,465.74	1,123.32
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,684.99*	
		For Class 55 Rating, Add	*4,002.16*	
		For Class 56 Rating, Add	*5,301.58*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,945.17	1,127.93
		For Class 52 Rating, Deduct	*-2,005.98*	
		For Class 54 Rating, Add	*2,755.93*	
		For Class 55 Rating, Add	*4,107.68*	
		For Class 56 Rating, Add	*5,441.20*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,424.61	1,132.54
		For Class 52 Rating, Deduct	*-2,057.95*	
		For Class 54 Rating, Add	*2,826.88*	
		For Class 55 Rating, Add	*4,213.21*	
		For Class 56 Rating, Add	*5,580.82*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,904.03	1,137.17
		For Class 52 Rating, Deduct	*-2,109.92*	
		For Class 54 Rating, Add	*2,897.83*	
		For Class 55 Rating, Add	*4,318.73*	
		For Class 56 Rating, Add	*5,720.44*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,383.46	1,141.78
		For Class 52 Rating, Deduct	*-2,161.89*	
		For Class 54 Rating, Add	*2,968.78*	
		For Class 55 Rating, Add	*4,424.25*	
		For Class 56 Rating, Add	*5,860.06*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,862.90	1,146.40
		For Class 52 Rating, Deduct	*-2,213.85*	
		For Class 54 Rating, Add	*3,039.73*	
		For Class 55 Rating, Add	*4,529.77*	
		For Class 56 Rating, Add	*5,999.68*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,342.33	1,151.01
		For Class 52 Rating, Deduct	*-2,265.82*	
		For Class 54 Rating, Add	*3,110.68*	
		For Class 55 Rating, Add	*4,635.29*	
		For Class 56 Rating, Add	*6,139.30*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,821.76	1,155.62
		For Class 52 Rating, Deduct	*-2,317.79*	
		For Class 54 Rating, Add	*3,181.63*	
		For Class 55 Rating, Add	*4,740.82*	
		For Class 56 Rating, Add	*6,278.93*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,301.20	1,160.24
		For Class 52 Rating, Deduct	*-2,369.76*	
		For Class 54 Rating, Add	*3,252.58*	
		For Class 55 Rating, Add	*4,846.34*	
		For Class 56 Rating, Add	*6,418.55*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,780.63	1,164.85
		For Class 52 Rating, Deduct	*-2,421.73*	
		For Class 54 Rating, Add	*3,323.53*	
		For Class 55 Rating, Add	*4,951.86*	
		For Class 56 Rating, Add	*6,558.17*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,260.06	1,169.47
		For Class 52 Rating, Deduct	*-2,473.70*	
		For Class 54 Rating, Add	*3,394.48*	
		For Class 55 Rating, Add	*5,057.38*	
		For Class 56 Rating, Add	*6,697.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,632.67	1,139.93
		For Class 52 Rating, Deduct	*-649.61*	
		For Class 54 Rating, Add	*906.55*	
		For Class 55 Rating, Add	*1,358.38*	
		For Class 56 Rating, Add	*1,804.30*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,178.24	1,144.55
		For Class 52 Rating, Deduct	*-708.85*	
		For Class 54 Rating, Add	*987.42*	
		For Class 55 Rating, Add	*1,478.65*	
		For Class 56 Rating, Add	*1,963.43*	
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,723.82	1,149.17
		For Class 52 Rating, Deduct	*-768.09*	
		For Class 54 Rating, Add	*1,068.29*	
		For Class 55 Rating, Add	*1,598.92*	
		For Class 56 Rating, Add	*2,122.57*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,269.39	1,153.78
		For Class 52 Rating, Deduct	*-827.34*	
		For Class 54 Rating, Add	*1,149.16*	
		For Class 55 Rating, Add	*1,719.19*	
		For Class 56 Rating, Add	*2,281.70*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,814.97	1,158.39
		For Class 52 Rating, Deduct	*-886.58*	
		For Class 54 Rating, Add	*1,230.04*	
		For Class 55 Rating, Add	*1,839.47*	
		For Class 56 Rating, Add	*2,440.83*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,360.55	1,163.01
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,310.91*	
		For Class 55 Rating, Add	*1,959.74*	
		For Class 56 Rating, Add	*2,599.97*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,906.12	1,167.62
		For Class 52 Rating, Deduct	*-1,005.07*	
		For Class 54 Rating, Add	*1,391.78*	
		For Class 55 Rating, Add	*2,080.01*	
		For Class 56 Rating, Add	*2,759.10*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,451.69	1,172.24
		For Class 52 Rating, Deduct	*-1,064.31*	
		For Class 54 Rating, Add	*1,472.65*	
		For Class 55 Rating, Add	*2,200.28*	
		For Class 56 Rating, Add	*2,918.23*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,997.27	1,176.85
		For Class 52 Rating, Deduct	*-1,123.56*	
		For Class 54 Rating, Add	*1,553.52*	
		For Class 55 Rating, Add	*2,320.55*	
		For Class 56 Rating, Add	*3,077.37*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,542.84	1,181.47
		For Class 52 Rating, Deduct	*-1,182.80*	
		For Class 54 Rating, Add	*1,634.39*	
		For Class 55 Rating, Add	*2,440.82*	
		For Class 56 Rating, Add	*3,236.50*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,088.41	1,186.09
		For Class 52 Rating, Deduct	*-1,242.05*	
		For Class 54 Rating, Add	*1,715.26*	
		For Class 55 Rating, Add	*2,561.09*	
		For Class 56 Rating, Add	*3,395.63*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,633.99	1,190.70
		For Class 52 Rating, Deduct	*-1,301.29*	
		For Class 54 Rating, Add	*1,796.13*	
		For Class 55 Rating, Add	*2,681.37*	
		For Class 56 Rating, Add	*3,554.77*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,179.56	1,195.31
		For Class 52 Rating, Deduct	*-1,360.53*	
		For Class 54 Rating, Add	*1,877.00*	
		For Class 55 Rating, Add	*2,801.64*	
		For Class 56 Rating, Add	*3,713.90*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,725.13	1,199.93
		For Class 52 Rating, Deduct	*-1,419.78*	
		For Class 54 Rating, Add	*1,957.88*	
		For Class 55 Rating, Add	*2,921.91*	
		For Class 56 Rating, Add	*3,873.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,270.71	1,204.54
		For Class 52 Rating, Deduct	*-1,479.02*	
		For Class 54 Rating, Add	*2,038.75*	
		For Class 55 Rating, Add	*3,042.18*	
		For Class 56 Rating, Add	*4,032.17*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,816.28	1,209.16
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,119.62*	
		For Class 55 Rating, Add	*3,162.45*	
		For Class 56 Rating, Add	*4,191.30*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,361.86	1,213.77
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,200.49*	
		For Class 55 Rating, Add	*3,282.72*	
		For Class 56 Rating, Add	*4,350.43*	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,907.44	1,218.39
		For Class 52 Rating, Deduct	*-1,656.75*	
		For Class 54 Rating, Add	*2,281.36*	
		For Class 55 Rating, Add	*3,403.00*	
		For Class 56 Rating, Add	*4,509.57*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,453.01	1,223.01
		For Class 52 Rating, Deduct	*-1,716.00*	
		For Class 54 Rating, Add	*2,362.23*	
		For Class 55 Rating, Add	*3,523.27*	
		For Class 56 Rating, Add	*4,668.70*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,998.58	1,227.62
		For Class 52 Rating, Deduct	*-1,775.24*	
		For Class 54 Rating, Add	*2,443.10*	
		For Class 55 Rating, Add	*3,643.54*	
		For Class 56 Rating, Add	*4,827.83*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,544.16	1,232.24
		For Class 52 Rating, Deduct	*-1,834.48*	
		For Class 54 Rating, Add	*2,523.97*	
		For Class 55 Rating, Add	*3,763.81*	
		For Class 56 Rating, Add	*4,986.97*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,089.73	1,236.85
		For Class 52 Rating, Deduct	*-1,893.73*	
		For Class 54 Rating, Add	*2,604.84*	
		For Class 55 Rating, Add	*3,884.08*	
		For Class 56 Rating, Add	*5,146.10*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,635.30	1,241.46
		For Class 52 Rating, Deduct	*-1,952.97*	
		For Class 54 Rating, Add	*2,685.72*	
		For Class 55 Rating, Add	*4,004.35*	
		For Class 56 Rating, Add	*5,305.23*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,180.88	1,246.08
		For Class 52 Rating, Deduct	*-2,012.22*	
		For Class 54 Rating, Add	*2,766.59*	
		For Class 55 Rating, Add	*4,124.62*	
		For Class 56 Rating, Add	*5,464.37*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,726.45	1,250.69
		For Class 52 Rating, Deduct	*-2,071.46*	
		For Class 54 Rating, Add	*2,847.46*	
		For Class 55 Rating, Add	*4,244.90*	
		For Class 56 Rating, Add	*5,623.50*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,272.02	1,255.31
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,928.33*	
		For Class 55 Rating, Add	*4,365.17*	
		For Class 56 Rating, Add	*5,782.63*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,817.60	1,259.93
		For Class 52 Rating, Deduct	*-2,189.95*	
		For Class 54 Rating, Add	*3,009.20*	
		For Class 55 Rating, Add	*4,485.44*	
		For Class 56 Rating, Add	*5,941.77*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,363.17	1,264.54
		For Class 52 Rating, Deduct	*-2,249.19*	
		For Class 54 Rating, Add	*3,090.07*	
		For Class 55 Rating, Add	*4,605.71*	
		For Class 56 Rating, Add	*6,100.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,908.74	1,269.16
		For Class 52 Rating, Deduct	*-2,308.44*	
		For Class 54 Rating, Add	*3,170.94*	
		For Class 55 Rating, Add	*4,725.98*	
		For Class 56 Rating, Add	*6,260.03*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,454.33	1,273.77
		For Class 52 Rating, Deduct	*-2,367.68*	
		For Class 54 Rating, Add	*3,251.82*	
		For Class 55 Rating, Add	*4,846.25*	
		For Class 56 Rating, Add	*6,419.17*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,999.90	1,278.38
		For Class 52 Rating, Deduct	*-2,426.92*	
		For Class 54 Rating, Add	*3,332.69*	
		For Class 55 Rating, Add	*4,966.52*	
		For Class 56 Rating, Add	*6,578.30*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,545.47	1,283.00
		For Class 52 Rating, Deduct	*-2,486.17*	
		For Class 54 Rating, Add	*3,413.56*	
		For Class 55 Rating, Add	*5,086.80*	
		For Class 56 Rating, Add	*6,737.43*	
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,091.05	1,287.61
		For Class 52 Rating, Deduct	*-2,545.41*	
		For Class 54 Rating, Add	*3,494.43*	
		For Class 55 Rating, Add	*5,207.07*	
		For Class 56 Rating, Add	*6,896.57*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,636.62	1,292.24
		For Class 52 Rating, Deduct	*-2,604.66*	
		For Class 54 Rating, Add	*3,575.30*	
		For Class 55 Rating, Add	*5,327.34*	
		For Class 56 Rating, Add	*7,055.70*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,182.19	1,296.85
		For Class 52 Rating, Deduct	*-2,663.90*	
		For Class 54 Rating, Add	*3,656.17*	
		For Class 55 Rating, Add	*5,447.61*	
		For Class 56 Rating, Add	*7,214.83*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,727.77	1,301.46
		For Class 52 Rating, Deduct	*-2,723.14*	
		For Class 54 Rating, Add	*3,737.04*	
		For Class 55 Rating, Add	*5,567.88*	
		For Class 56 Rating, Add	*7,373.97*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,273.34	1,306.08
		For Class 52 Rating, Deduct	*-2,782.39*	
		For Class 54 Rating, Add	*3,817.91*	
		For Class 55 Rating, Add	*5,688.15*	
		For Class 56 Rating, Add	*7,533.10*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,818.91	1,310.69
		For Class 52 Rating, Deduct	*-2,841.63*	
		For Class 54 Rating, Add	*3,898.78*	
		For Class 55 Rating, Add	*5,808.42*	
		For Class 56 Rating, Add	*7,692.23*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,411.90	1,347.61
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,130.01*	
		For Class 55 Rating, Add	*1,692.53*	
		For Class 56 Rating, Add	*2,247.67*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,086.62	1,352.23
		For Class 52 Rating, Deduct	*-884.16*	
		For Class 54 Rating, Add	*1,230.25*	
		For Class 55 Rating, Add	*1,841.60*	
		For Class 56 Rating, Add	*2,444.90*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,761.31	1,356.84
		For Class 52 Rating, Deduct	*-957.60*	
		For Class 54 Rating, Add	*1,330.49*	
		For Class 55 Rating, Add	*1,990.66*	
		For Class 56 Rating, Add	*2,642.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,436.02	1,361.46
		For Class 52 Rating, Deduct	*-1,031.05*	
		For Class 54 Rating, Add	*1,430.74*	
		For Class 55 Rating, Add	*2,139.73*	
		For Class 56 Rating, Add	*2,839.36*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,110.73	1,366.08
		For Class 52 Rating, Deduct	*-1,104.50*	
		For Class 54 Rating, Add	*1,530.98*	
		For Class 55 Rating, Add	*2,288.80*	
		For Class 56 Rating, Add	*3,036.58*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,785.44	1,370.69
		For Class 52 Rating, Deduct	*-1,177.95*	
		For Class 54 Rating, Add	*1,631.22*	
		For Class 55 Rating, Add	*2,437.87*	
		For Class 56 Rating, Add	*3,233.81*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,460.15	1,375.30
		For Class 52 Rating, Deduct	*-1,251.40*	
		For Class 54 Rating, Add	*1,731.46*	
		For Class 55 Rating, Add	*2,586.94*	
		For Class 56 Rating, Add	*3,431.04*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,134.86	1,379.92
		For Class 52 Rating, Deduct	*-1,324.85*	
		For Class 54 Rating, Add	*1,831.70*	
		For Class 55 Rating, Add	*2,736.01*	
		For Class 56 Rating, Add	*3,628.27*	
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,809.57	1,384.53
		For Class 52 Rating, Deduct	*-1,398.30*	
		For Class 54 Rating, Add	*1,931.94*	
		For Class 55 Rating, Add	*2,885.08*	
		For Class 56 Rating, Add	*3,825.50*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,484.27	1,389.15
		For Class 52 Rating, Deduct	*-1,471.75*	
		For Class 54 Rating, Add	*2,032.18*	
		For Class 55 Rating, Add	*3,034.14*	
		For Class 56 Rating, Add	*4,022.72*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,158.99	1,393.76
		For Class 52 Rating, Deduct	*-1,545.19*	
		For Class 54 Rating, Add	*2,132.42*	
		For Class 55 Rating, Add	*3,183.21*	
		For Class 56 Rating, Add	*4,219.95*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,833.69	1,398.38
		For Class 52 Rating, Deduct	*-1,618.64*	
		For Class 54 Rating, Add	*2,232.66*	
		For Class 55 Rating, Add	*3,332.28*	
		For Class 56 Rating, Add	*4,417.18*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,508.40	1,403.00
		For Class 52 Rating, Deduct	*-1,692.09*	
		For Class 54 Rating, Add	*2,332.91*	
		For Class 55 Rating, Add	*3,481.35*	
		For Class 56 Rating, Add	*4,614.41*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,183.11	1,407.61
		For Class 52 Rating, Deduct	*-1,765.54*	
		For Class 54 Rating, Add	*2,433.15*	
		For Class 55 Rating, Add	*3,630.42*	
		For Class 56 Rating, Add	*4,811.64*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,857.82	1,412.23
		For Class 52 Rating, Deduct	*-1,838.99*	
		For Class 54 Rating, Add	*2,533.39*	
		For Class 55 Rating, Add	*3,779.49*	
		For Class 56 Rating, Add	*5,008.86*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,532.51	1,416.84
		For Class 52 Rating, Deduct	*-1,912.44*	
		For Class 54 Rating, Add	*2,633.63*	
		For Class 55 Rating, Add	*3,928.55*	
		For Class 56 Rating, Add	*5,206.09*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,207.23	1,421.45
		For Class 52 Rating, Deduct	*-1,985.89*	
		For Class 54 Rating, Add	*2,733.87*	
		For Class 55 Rating, Add	*4,077.62*	
		For Class 56 Rating, Add	*5,403.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,881.93	1,426.07
		For Class 52 Rating, Deduct	*-2,059.33*	
		For Class 54 Rating, Add	*2,834.11*	
		For Class 55 Rating, Add	*4,226.69*	
		For Class 56 Rating, Add	*5,600.55*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,556.64	1,430.68
		For Class 52 Rating, Deduct	*-2,132.78*	
		For Class 54 Rating, Add	*2,934.35*	
		For Class 55 Rating, Add	*4,375.76*	
		For Class 56 Rating, Add	*5,797.77*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,231.35	1,435.30
		For Class 52 Rating, Deduct	*-2,206.23*	
		For Class 54 Rating, Add	*3,034.59*	
		For Class 55 Rating, Add	*4,524.83*	
		For Class 56 Rating, Add	*5,995.00*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,906.06	1,439.92
		For Class 52 Rating, Deduct	*-2,279.68*	
		For Class 54 Rating, Add	*3,134.84*	
		For Class 55 Rating, Add	*4,673.90*	
		For Class 56 Rating, Add	*6,192.23*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,580.76	1,444.53
		For Class 52 Rating, Deduct	*-2,353.13*	
		For Class 54 Rating, Add	*3,235.08*	
		For Class 55 Rating, Add	*4,822.96*	
		For Class 56 Rating, Add	*6,389.46*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,255.48	1,449.15
		For Class 52 Rating, Deduct	*-2,426.58*	
		For Class 54 Rating, Add	*3,335.32*	
		For Class 55 Rating, Add	*4,972.03*	
		For Class 56 Rating, Add	*6,586.69*	
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,930.18	1,453.76
		For Class 52 Rating, Deduct	*-2,500.03*	
		For Class 54 Rating, Add	*3,435.56*	
		For Class 55 Rating, Add	*5,121.10*	
		For Class 56 Rating, Add	*6,783.91*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,604.89	1,458.37
		For Class 52 Rating, Deduct	*-2,573.48*	
		For Class 54 Rating, Add	*3,535.80*	
		For Class 55 Rating, Add	*5,270.17*	
		For Class 56 Rating, Add	*6,981.14*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,279.60	1,462.99
		For Class 52 Rating, Deduct	*-2,646.92*	
		For Class 54 Rating, Add	*3,636.04*	
		For Class 55 Rating, Add	*5,419.24*	
		For Class 56 Rating, Add	*7,178.37*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,954.31	1,467.60
		For Class 52 Rating, Deduct	*-2,720.37*	
		For Class 54 Rating, Add	*3,736.28*	
		For Class 55 Rating, Add	*5,568.30*	
		For Class 56 Rating, Add	*7,375.60*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,629.00	1,472.23
		For Class 52 Rating, Deduct	*-2,793.82*	
		For Class 54 Rating, Add	*3,836.52*	
		For Class 55 Rating, Add	*5,717.37*	
		For Class 56 Rating, Add	*7,572.82*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,303.72	1,476.84
		For Class 52 Rating, Deduct	*-2,867.27*	
		For Class 54 Rating, Add	*3,936.77*	
		For Class 55 Rating, Add	*5,866.44*	
		For Class 56 Rating, Add	*7,770.05*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,097.30	1,559.91
		For Class 52 Rating, Deduct	*-2,940.72*	
		For Class 54 Rating, Add	*4,038.43*	
		For Class 55 Rating, Add	*6,018.36*	
		For Class 56 Rating, Add	*7,971.56*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,772.01	1,564.52
		For Class 52 Rating, Deduct	*-3,014.17*	
		For Class 54 Rating, Add	*4,138.67*	
		For Class 55 Rating, Add	*6,167.43*	
		For Class 56 Rating, Add	*8,168.79*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2463		EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,446.72	1,569.14
			For Class 52 Rating, Deduct	*-3,087.62*	
			For Class 54 Rating, Add	*4,238.92*	
			For Class 55 Rating, Add	*6,316.50*	
			For Class 56 Rating, Add	*8,366.02*	
40 05 19 00-2464		EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,121.43	1,573.75
			For Class 52 Rating, Deduct	*-3,161.06*	
			For Class 54 Rating, Add	*4,339.16*	
			For Class 55 Rating, Add	*6,465.57*	
			For Class 56 Rating, Add	*8,563.24*	
40 05 19 00-2465		EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,796.14	1,578.37
			For Class 52 Rating, Deduct	*-3,234.51*	
			For Class 54 Rating, Add	*4,439.40*	
			For Class 55 Rating, Add	*6,614.64*	
			For Class 56 Rating, Add	*8,760.47*	
40 05 19 00-2466		EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,470.84	1,582.99
			For Class 52 Rating, Deduct	*-3,307.96*	
			For Class 54 Rating, Add	*4,539.64*	
			For Class 55 Rating, Add	*6,763.70*	
			For Class 56 Rating, Add	*8,957.70*	
40 05 19 00-2467		EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,145.55	1,587.60
			For Class 52 Rating, Deduct	*-3,381.41*	
			For Class 54 Rating, Add	*4,639.88*	
			For Class 55 Rating, Add	*6,912.77*	
			For Class 56 Rating, Add	*9,154.93*	
40 05 19 00-2468		EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,820.25	1,592.22
			For Class 52 Rating, Deduct	*-3,454.86*	
			For Class 54 Rating, Add	*4,740.12*	
			For Class 55 Rating, Add	*7,061.84*	
			For Class 56 Rating, Add	*9,352.15*	
40 05 19 00-2469		EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,494.97	1,596.83
			For Class 52 Rating, Deduct	*-3,528.31*	
			For Class 54 Rating, Add	*4,840.36*	
			For Class 55 Rating, Add	*7,210.91*	
			For Class 56 Rating, Add	*9,549.38*	

40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2471		EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,547.07	1,901.42
			For Class 52 Rating, Deduct	*-1,283.27*	
			For Class 54 Rating, Add	*1,784.49*	
			For Class 55 Rating, Add	*2,670.69*	
			For Class 56 Rating, Add	*3,545.22*	
40 05 19 00-2472		EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,511.54	1,906.05
			For Class 52 Rating, Deduct	*-1,388.60*	
			For Class 54 Rating, Add	*1,928.20*	
			For Class 55 Rating, Add	*2,884.37*	
			For Class 56 Rating, Add	*3,827.93*	
40 05 19 00-2473		EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,476.02	1,910.66
			For Class 52 Rating, Deduct	*-1,493.92*	
			For Class 54 Rating, Add	*2,071.90*	
			For Class 55 Rating, Add	*3,098.06*	
			For Class 56 Rating, Add	*4,110.64*	
40 05 19 00-2474		EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,440.48	1,915.27
			For Class 52 Rating, Deduct	*-1,599.24*	
			For Class 54 Rating, Add	*2,215.61*	
			For Class 55 Rating, Add	*3,311.74*	
			For Class 56 Rating, Add	*4,393.34*	
40 05 19 00-2475		EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,404.95	1,919.89
			For Class 52 Rating, Deduct	*-1,704.56*	
			For Class 54 Rating, Add	*2,359.31*	
			For Class 55 Rating, Add	*3,525.43*	
			For Class 56 Rating, Add	*4,676.05*	
40 05 19 00-2476		EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,369.43	1,924.50
			For Class 52 Rating, Deduct	*-1,809.89*	
			For Class 54 Rating, Add	*2,503.02*	
			For Class 55 Rating, Add	*3,739.11*	
			For Class 56 Rating, Add	*4,958.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,333.90	1,929.12
		For Class 52 Rating, Deduct	*-1,915.21*	
		For Class 54 Rating, Add	*2,646.72*	
		For Class 55 Rating, Add	*3,952.80*	
		For Class 56 Rating, Add	*5,241.47*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,298.36	1,933.73
		For Class 52 Rating, Deduct	*-2,020.53*	
		For Class 54 Rating, Add	*2,790.43*	
		For Class 55 Rating, Add	*4,166.49*	
		For Class 56 Rating, Add	*5,524.17*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,262.84	1,938.34
		For Class 52 Rating, Deduct	*-2,125.85*	
		For Class 54 Rating, Add	*2,934.14*	
		For Class 55 Rating, Add	*4,380.17*	
		For Class 56 Rating, Add	*5,806.88*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,227.30	1,942.97
		For Class 52 Rating, Deduct	*-2,231.18*	
		For Class 54 Rating, Add	*3,077.84*	
		For Class 55 Rating, Add	*4,593.86*	
		For Class 56 Rating, Add	*6,089.59*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,191.77	1,947.58
		For Class 52 Rating, Deduct	*-2,336.50*	
		For Class 54 Rating, Add	*3,221.55*	
		For Class 55 Rating, Add	*4,807.54*	
		For Class 56 Rating, Add	*6,372.30*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,156.25	1,952.19
		For Class 52 Rating, Deduct	*-2,441.82*	
		For Class 54 Rating, Add	*3,365.25*	
		For Class 55 Rating, Add	*5,021.23*	
		For Class 56 Rating, Add	*6,655.01*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,120.72	1,956.81
		For Class 52 Rating, Deduct	*-2,547.14*	
		For Class 54 Rating, Add	*3,508.96*	
		For Class 55 Rating, Add	*5,234.91*	
		For Class 56 Rating, Add	*6,937.71*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,085.19	1,961.42
		For Class 52 Rating, Deduct	*-2,652.47*	
		For Class 54 Rating, Add	*3,652.66*	
		For Class 55 Rating, Add	*5,448.60*	
		For Class 56 Rating, Add	*7,220.42*	
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,049.67	1,966.04
		For Class 52 Rating, Deduct	*-2,757.79*	
		For Class 54 Rating, Add	*3,796.37*	
		For Class 55 Rating, Add	*5,662.29*	
		For Class 56 Rating, Add	*7,503.13*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,014.13	1,970.65
		For Class 52 Rating, Deduct	*-2,863.11*	
		For Class 54 Rating, Add	*3,940.07*	
		For Class 55 Rating, Add	*5,875.97*	
		For Class 56 Rating, Add	*7,785.84*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,978.60	1,975.26
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,083.78*	
		For Class 55 Rating, Add	*6,089.65*	
		For Class 56 Rating, Add	*8,068.54*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,943.08	1,979.89
		For Class 52 Rating, Deduct	*-3,073.76*	
		For Class 54 Rating, Add	*4,227.49*	
		For Class 55 Rating, Add	*6,303.34*	
		For Class 56 Rating, Add	*8,351.25*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,907.55	1,984.50
		For Class 52 Rating, Deduct	*-3,179.08*	
		For Class 54 Rating, Add	*4,371.19*	
		For Class 55 Rating, Add	*6,517.03*	
		For Class 56 Rating, Add	*8,633.96*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,872.02	1,989.12
		For Class 52 Rating, Deduct	*-3,284.40*	
		For Class 54 Rating, Add	*4,514.90*	
		For Class 55 Rating, Add	*6,730.71*	
		For Class 56 Rating, Add	*8,916.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,836.49	1,993.73
		For Class 52 Rating, Deduct	*-3,389.73*	
		For Class 54 Rating, Add	*4,658.60*	
		For Class 55 Rating, Add	*6,944.40*	
		For Class 56 Rating, Add	*9,199.38*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,800.95	1,998.34
		For Class 52 Rating, Deduct	*-3,495.05*	
		For Class 54 Rating, Add	*4,802.31*	
		For Class 55 Rating, Add	*7,158.08*	
		For Class 56 Rating, Add	*9,482.08*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,765.42	2,002.96
		For Class 52 Rating, Deduct	*-3,600.37*	
		For Class 54 Rating, Add	*4,946.01*	
		For Class 55 Rating, Add	*7,371.77*	
		For Class 56 Rating, Add	*9,764.79*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,729.90	2,007.57
		For Class 52 Rating, Deduct	*-3,705.69*	
		For Class 54 Rating, Add	*5,089.72*	
		For Class 55 Rating, Add	*7,585.45*	
		For Class 56 Rating, Add	*10,047.50*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,694.37	2,012.18
		For Class 52 Rating, Deduct	*-3,811.02*	
		For Class 54 Rating, Add	*5,233.43*	
		For Class 55 Rating, Add	*7,799.14*	
		For Class 56 Rating, Add	*10,330.21*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,658.84	2,016.81
		For Class 52 Rating, Deduct	*-3,916.34*	
		For Class 54 Rating, Add	*5,377.13*	
		For Class 55 Rating, Add	*8,012.83*	
		For Class 56 Rating, Add	*10,612.92*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,623.32	2,021.42
		For Class 52 Rating, Deduct	*-4,021.66*	
		For Class 54 Rating, Add	*5,520.84*	
		For Class 55 Rating, Add	*8,226.51*	
		For Class 56 Rating, Add	*10,895.62*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,587.79	2,026.04
		For Class 52 Rating, Deduct	*-4,126.98*	
		For Class 54 Rating, Add	*5,664.54*	
		For Class 55 Rating, Add	*8,440.20*	
		For Class 56 Rating, Add	*11,178.33*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,552.25	2,030.65
		For Class 52 Rating, Deduct	*-4,232.31*	
		For Class 54 Rating, Add	*5,808.25*	
		For Class 55 Rating, Add	*8,653.88*	
		For Class 56 Rating, Add	*11,461.04*	
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,516.73	2,035.26
		For Class 52 Rating, Deduct	*-4,337.63*	
		For Class 54 Rating, Add	*5,951.95*	
		For Class 55 Rating, Add	*8,867.57*	
		For Class 56 Rating, Add	*11,743.75*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,481.20	2,039.88
		For Class 52 Rating, Deduct	*-4,442.95*	
		For Class 54 Rating, Add	*6,095.66*	
		For Class 55 Rating, Add	*9,081.25*	
		For Class 56 Rating, Add	*12,026.45*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,445.67	2,044.49
		For Class 52 Rating, Deduct	*-4,548.27*	
		For Class 54 Rating, Add	*6,239.37*	
		For Class 55 Rating, Add	*9,294.94*	
		For Class 56 Rating, Add	*12,309.16*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,410.14	2,049.11
		For Class 52 Rating, Deduct	*-4,653.60*	
		For Class 54 Rating, Add	*6,383.07*	
		For Class 55 Rating, Add	*9,508.62*	
		For Class 56 Rating, Add	*12,591.87*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,374.61	2,053.73
		For Class 52 Rating, Deduct	*-4,758.92*	
		For Class 54 Rating, Add	*6,526.78*	
		For Class 55 Rating, Add	*9,722.31*	
		For Class 56 Rating, Add	*12,874.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,339.07	2,058.34
		For Class 52 Rating, Deduct	*-4,864.24*	
		For Class 54 Rating, Add	*6,670.48*	
		For Class 55 Rating, Add	*9,935.99*	
		For Class 56 Rating, Add	*13,157.28*	
40 05 19 00-2506		**36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,283.17	2,409.09
		For Class 52 Rating, Deduct	*-1,829.63*	
		For Class 54 Rating, Add	*2,538.76*	
		For Class 55 Rating, Add	*3,796.77*	
		For Class 56 Rating, Add	*5,038.15*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,575.20	2,413.71
		For Class 52 Rating, Deduct	*-1,970.99*	
		For Class 54 Rating, Add	*2,731.60*	
		For Class 55 Rating, Add	*4,083.50*	
		For Class 56 Rating, Add	*5,417.49*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,867.23	2,418.32
		For Class 52 Rating, Deduct	*-2,112.34*	
		For Class 54 Rating, Add	*2,924.44*	
		For Class 55 Rating, Add	*4,370.23*	
		For Class 56 Rating, Add	*5,796.83*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,159.26	2,422.94
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,117.28*	
		For Class 55 Rating, Add	*4,656.96*	
		For Class 56 Rating, Add	*6,176.16*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,451.29	2,427.55
		For Class 52 Rating, Deduct	*-2,395.05*	
		For Class 54 Rating, Add	*3,310.11*	
		For Class 55 Rating, Add	*4,943.69*	
		For Class 56 Rating, Add	*6,555.50*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,743.32	2,432.16
		For Class 52 Rating, Deduct	*-2,536.40*	
		For Class 54 Rating, Add	*3,502.95*	
		For Class 55 Rating, Add	*5,230.43*	
		For Class 56 Rating, Add	*6,934.84*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,035.35	2,436.78
		For Class 52 Rating, Deduct	*-2,677.76*	
		For Class 54 Rating, Add	*3,695.79*	
		For Class 55 Rating, Add	*5,517.16*	
		For Class 56 Rating, Add	*7,314.18*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,327.39	2,441.39
		For Class 52 Rating, Deduct	*-2,819.11*	
		For Class 54 Rating, Add	*3,888.63*	
		For Class 55 Rating, Add	*5,803.89*	
		For Class 56 Rating, Add	*7,693.52*	
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,619.41	2,446.01
		For Class 52 Rating, Deduct	*-2,960.47*	
		For Class 54 Rating, Add	*4,081.47*	
		For Class 55 Rating, Add	*6,090.62*	
		For Class 56 Rating, Add	*8,072.85*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,911.44	2,450.63
		For Class 52 Rating, Deduct	*-3,101.82*	
		For Class 54 Rating, Add	*4,274.31*	
		For Class 55 Rating, Add	*6,377.35*	
		For Class 56 Rating, Add	*8,452.19*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,203.47	2,455.24
		For Class 52 Rating, Deduct	*-3,243.18*	
		For Class 54 Rating, Add	*4,467.15*	
		For Class 55 Rating, Add	*6,664.08*	
		For Class 56 Rating, Add	*8,831.53*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,495.49	2,459.86
		For Class 52 Rating, Deduct	*-3,384.53*	
		For Class 54 Rating, Add	*4,659.99*	
		For Class 55 Rating, Add	*6,950.81*	
		For Class 56 Rating, Add	*9,210.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,787.52	2,464.47
		For Class 52 Rating, Deduct	*-3,525.88*	
		For Class 54 Rating, Add	*4,852.83*	
		For Class 55 Rating, Add	*7,237.54*	
		For Class 56 Rating, Add	*9,590.20*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,079.56	2,469.09
		For Class 52 Rating, Deduct	*-3,667.24*	
		For Class 54 Rating, Add	*5,045.67*	
		For Class 55 Rating, Add	*7,524.27*	
		For Class 56 Rating, Add	*9,969.54*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,371.58	2,473.70
		For Class 52 Rating, Deduct	*-3,808.59*	
		For Class 54 Rating, Add	*5,238.51*	
		For Class 55 Rating, Add	*7,811.00*	
		For Class 56 Rating, Add	*10,348.88*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,663.61	2,478.31
		For Class 52 Rating, Deduct	*-3,949.94*	
		For Class 54 Rating, Add	*5,431.35*	
		For Class 55 Rating, Add	*8,097.74*	
		For Class 56 Rating, Add	*10,728.21*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,955.65	2,482.93
		For Class 52 Rating, Deduct	*-4,091.30*	
		For Class 54 Rating, Add	*5,624.19*	
		For Class 55 Rating, Add	*8,384.47*	
		For Class 56 Rating, Add	*11,107.55*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,247.67	2,487.55
		For Class 52 Rating, Deduct	*-4,232.65*	
		For Class 54 Rating, Add	*5,817.03*	
		For Class 55 Rating, Add	*8,671.20*	
		For Class 56 Rating, Add	*11,486.89*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,539.70	2,492.16
		For Class 52 Rating, Deduct	*-4,374.01*	
		For Class 54 Rating, Add	*6,009.87*	
		For Class 55 Rating, Add	*8,957.93*	
		For Class 56 Rating, Add	*11,866.23*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,831.74	2,496.78
		For Class 52 Rating, Deduct	*-4,515.36*	
		For Class 54 Rating, Add	*6,202.71*	
		For Class 55 Rating, Add	*9,244.66*	
		For Class 56 Rating, Add	*12,245.57*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,123.76	2,501.39
		For Class 52 Rating, Deduct	*-4,656.71*	
		For Class 54 Rating, Add	*6,395.55*	
		For Class 55 Rating, Add	*9,531.39*	
		For Class 56 Rating, Add	*12,624.90*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,415.79	2,506.01
		For Class 52 Rating, Deduct	*-4,798.07*	
		For Class 54 Rating, Add	*6,588.39*	
		For Class 55 Rating, Add	*9,818.12*	
		For Class 56 Rating, Add	*13,004.24*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,707.82	2,510.62
		For Class 52 Rating, Deduct	*-4,939.42*	
		For Class 54 Rating, Add	*6,781.23*	
		For Class 55 Rating, Add	*10,104.85*	
		For Class 56 Rating, Add	*13,383.58*	
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,999.84	2,515.23
		For Class 52 Rating, Deduct	*-5,080.78*	
		For Class 54 Rating, Add	*6,974.06*	
		For Class 55 Rating, Add	*10,391.58*	
		For Class 56 Rating, Add	*13,762.91*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,291.87	2,519.85
		For Class 52 Rating, Deduct	*-5,222.13*	
		For Class 54 Rating, Add	*7,166.90*	
		For Class 55 Rating, Add	*10,678.31*	
		For Class 56 Rating, Add	*14,142.25*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,583.91	2,524.47
		For Class 52 Rating, Deduct	*-5,363.49*	
		For Class 54 Rating, Add	*7,359.74*	
		For Class 55 Rating, Add	*10,965.05*	
		For Class 56 Rating, Add	*14,521.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,875.93	2,529.08
		For Class 52 Rating, Deduct	*-5,504.84*	
		For Class 54 Rating, Add	*7,552.58*	
		For Class 55 Rating, Add	*11,251.78*	
		For Class 56 Rating, Add	*14,900.93*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,167.96	2,533.70
		For Class 52 Rating, Deduct	*-5,646.19*	
		For Class 54 Rating, Add	*7,745.42*	
		For Class 55 Rating, Add	*11,538.51*	
		For Class 56 Rating, Add	*15,280.27*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,460.00	2,538.31
		For Class 52 Rating, Deduct	*-5,787.55*	
		For Class 54 Rating, Add	*7,938.26*	
		For Class 55 Rating, Add	*11,825.24*	
		For Class 56 Rating, Add	*15,659.60*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,752.02	2,542.93
		For Class 52 Rating, Deduct	*-5,928.90*	
		For Class 54 Rating, Add	*8,131.10*	
		For Class 55 Rating, Add	*12,111.97*	
		For Class 56 Rating, Add	*16,038.94*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,044.05	2,547.54
		For Class 52 Rating, Deduct	*-6,070.26*	
		For Class 54 Rating, Add	*8,323.94*	
		For Class 55 Rating, Add	*12,398.70*	
		For Class 56 Rating, Add	*16,418.28*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,336.09	2,552.15
		For Class 52 Rating, Deduct	*-6,211.61*	
		For Class 54 Rating, Add	*8,516.78*	
		For Class 55 Rating, Add	*12,685.43*	
		For Class 56 Rating, Add	*16,797.62*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,628.12	2,556.77
		For Class 52 Rating, Deduct	*-6,352.96*	
		For Class 54 Rating, Add	*8,709.62*	
		For Class 55 Rating, Add	*12,972.16*	
		For Class 56 Rating, Add	*17,176.96*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,920.14	2,561.39
		For Class 52 Rating, Deduct	*-6,494.32*	
		For Class 54 Rating, Add	*8,902.46*	
		For Class 55 Rating, Add	*13,258.89*	
		For Class 56 Rating, Add	*17,556.29*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,212.18	2,566.01
		For Class 52 Rating, Deduct	*-6,635.67*	
		For Class 54 Rating, Add	*9,095.30*	
		For Class 55 Rating, Add	*13,545.63*	
		For Class 56 Rating, Add	*17,935.63*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,790.05	3,036.75
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,383.55*	
		For Class 55 Rating, Add	*5,058.56*	
		For Class 56 Rating, Add	*6,711.37*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,686.81	3,041.36
		For Class 52 Rating, Deduct	*-2,648.66*	
		For Class 54 Rating, Add	*3,667.10*	
		For Class 55 Rating, Add	*5,480.14*	
		For Class 56 Rating, Add	*7,269.11*	
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,567.81	3,045.98
		For Class 52 Rating, Deduct	*-2,854.80*	
		For Class 54 Rating, Add	*3,948.29*	
		For Class 55 Rating, Add	*5,898.21*	
		For Class 56 Rating, Add	*7,822.19*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,467.71	3,050.59
		For Class 52 Rating, Deduct	*-3,063.02*	
		For Class 54 Rating, Add	*4,232.31*	
		For Class 55 Rating, Add	*6,320.50*	
		For Class 56 Rating, Add	*8,380.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,355.02	3,055.20
		For Class 52 Rating, Deduct	*-3,269.85*	
		For Class 54 Rating, Add	*4,514.44*	
		For Class 55 Rating, Add	*6,739.98*	
		For Class 56 Rating, Add	*8,935.79*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,261.22	3,059.82
		For Class 52 Rating, Deduct	*-3,478.76*	
		For Class 54 Rating, Add	*4,799.40*	
		For Class 55 Rating, Add	*7,163.67*	
		For Class 56 Rating, Add	*9,496.31*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,148.52	3,064.43
		For Class 52 Rating, Deduct	*-3,685.60*	
		For Class 54 Rating, Add	*5,081.53*	
		For Class 55 Rating, Add	*7,583.15*	
		For Class 56 Rating, Add	*10,051.26*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,057.88	3,069.05
		For Class 52 Rating, Deduct	*-3,894.86*	
		For Class 54 Rating, Add	*5,366.97*	
		For Class 55 Rating, Add	*8,007.54*	
		For Class 56 Rating, Add	*10,612.70*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,951.48	3,073.67
		For Class 52 Rating, Deduct	*-4,102.39*	
		For Class 54 Rating, Add	*5,650.05*	
		For Class 55 Rating, Add	*8,428.42*	
		For Class 56 Rating, Add	*11,169.51*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,860.84	3,078.28
		For Class 52 Rating, Deduct	*-4,311.64*	
		For Class 54 Rating, Add	*5,935.48*	
		For Class 55 Rating, Add	*8,852.82*	
		For Class 56 Rating, Add	*11,730.95*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,754.44	3,082.90
		For Class 52 Rating, Deduct	*-4,519.17*	
		For Class 54 Rating, Add	*6,218.56*	
		For Class 55 Rating, Add	*9,273.70*	
		For Class 56 Rating, Add	*12,287.76*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,666.93	3,087.51
		For Class 52 Rating, Deduct	*-4,728.78*	
		For Class 54 Rating, Add	*6,504.47*	
		For Class 55 Rating, Add	*9,698.80*	
		For Class 56 Rating, Add	*12,850.13*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,560.54	3,092.12
		For Class 52 Rating, Deduct	*-4,936.31*	
		For Class 54 Rating, Add	*6,787.55*	
		For Class 55 Rating, Add	*10,119.68*	
		For Class 56 Rating, Add	*13,406.93*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,460.44	3,096.74
		For Class 52 Rating, Deduct	*-5,144.53*	
		For Class 54 Rating, Add	*7,071.57*	
		For Class 55 Rating, Add	*10,541.96*	
		For Class 56 Rating, Add	*13,965.59*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,369.79	3,101.35
		For Class 52 Rating, Deduct	*-5,353.78*	
		For Class 54 Rating, Add	*7,357.00*	
		For Class 55 Rating, Add	*10,966.36*	
		For Class 56 Rating, Add	*14,527.04*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,266.55	3,105.98
		For Class 52 Rating, Deduct	*-5,561.66*	
		For Class 54 Rating, Add	*7,640.55*	
		For Class 55 Rating, Add	*11,387.94*	
		For Class 56 Rating, Add	*15,084.77*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,185.35	3,110.59
		For Class 52 Rating, Deduct	*-5,771.96*	
		For Class 54 Rating, Add	*7,927.41*	
		For Class 55 Rating, Add	*11,814.44*	
		For Class 56 Rating, Add	*15,649.01*	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,085.25	3,115.20
		For Class 52 Rating, Deduct	*-5,980.18*	
		For Class 54 Rating, Add	*8,211.43*	
		For Class 55 Rating, Add	*12,236.73*	
		For Class 56 Rating, Add	*16,207.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,000.90	3,119.82
		For Class 52 Rating, Deduct	*-6,190.13*	
		For Class 54 Rating, Add	*8,497.81*	
		For Class 55 Rating, Add	*12,662.53*	
		For Class 56 Rating, Add	*16,770.97*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,897.65	3,124.43
		For Class 52 Rating, Deduct	*-6,398.00*	
		For Class 54 Rating, Add	*8,781.36*	
		For Class 55 Rating, Add	*13,084.11*	
		For Class 56 Rating, Add	*17,328.70*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,819.60	3,129.04
		For Class 52 Rating, Deduct	*-6,608.65*	
		For Class 54 Rating, Add	*9,068.68*	
		For Class 55 Rating, Add	*13,511.32*	
		For Class 56 Rating, Add	*17,893.87*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,719.51	3,133.66
		For Class 52 Rating, Deduct	*-6,816.87*	
		For Class 54 Rating, Add	*9,352.71*	
		For Class 55 Rating, Add	*13,933.60*	
		For Class 56 Rating, Add	*18,452.53*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,635.16	3,138.27
		For Class 52 Rating, Deduct	*-7,026.82*	
		For Class 54 Rating, Add	*9,639.09*	
		For Class 55 Rating, Add	*14,359.40*	
		For Class 56 Rating, Add	*19,015.83*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,535.06	3,142.90
		For Class 52 Rating, Deduct	*-7,235.04*	
		For Class 54 Rating, Add	*9,923.11*	
		For Class 55 Rating, Add	*14,781.69*	
		For Class 56 Rating, Add	*19,574.50*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,457.00	3,147.51
		For Class 52 Rating, Deduct	*-7,445.69*	
		For Class 54 Rating, Add	*10,210.43*	
		For Class 55 Rating, Add	*15,208.89*	
		For Class 56 Rating, Add	*20,139.66*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,356.90	3,152.12
		For Class 52 Rating, Deduct	*-7,653.91*	
		For Class 54 Rating, Add	*10,494.46*	
		For Class 55 Rating, Add	*15,631.18*	
		For Class 56 Rating, Add	*20,698.32*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,272.55	3,156.74
		For Class 52 Rating, Deduct	*-7,863.86*	
		For Class 54 Rating, Add	*10,780.84*	
		For Class 55 Rating, Add	*16,056.98*	
		For Class 56 Rating, Add	*21,261.62*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,175.61	3,161.35
		For Class 52 Rating, Deduct	*-8,072.42*	
		For Class 54 Rating, Add	*11,065.33*	
		For Class 55 Rating, Add	*16,479.96*	
		For Class 56 Rating, Add	*21,821.21*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,716.46	3,165.97
		For Class 52 Rating, Deduct	*-8,241.15*	
		For Class 54 Rating, Add	*11,295.49*	
		For Class 55 Rating, Add	*16,822.18*	
		For Class 56 Rating, Add	*22,273.95*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,997.46	3,170.58
		For Class 52 Rating, Deduct	*-8,491.29*	
		For Class 54 Rating, Add	*11,636.68*	
		For Class 55 Rating, Add	*17,329.46*	
		For Class 56 Rating, Add	*22,945.04*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,897.37	3,175.20
		For Class 52 Rating, Deduct	*-8,699.51*	
		For Class 54 Rating, Add	*11,920.70*	
		For Class 55 Rating, Add	*17,751.74*	
		For Class 56 Rating, Add	*23,503.70*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,816.16	3,179.82
		For Class 52 Rating, Deduct	*-8,909.81*	
		For Class 54 Rating, Add	*12,207.55*	
		For Class 55 Rating, Add	*18,178.24*	
		For Class 56 Rating, Add	*24,067.93*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575		EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,719.21	3,184.43
			For Class 52 Rating, Deduct	*-9,118.38*	
			For Class 54 Rating, Add	*12,492.05*	
			For Class 55 Rating, Add	*18,601.23*	
			For Class 56 Rating, Add	*24,627.52*	
40 05 19 00-2576		EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,641.17	3,189.04
			For Class 52 Rating, Deduct	*-9,329.02*	
			For Class 54 Rating, Add	*12,779.37*	
			For Class 55 Rating, Add	*19,028.43*	
			For Class 56 Rating, Add	*25,192.69*	
40 05 19 00-2577		EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,537.92	3,193.66
			For Class 52 Rating, Deduct	*-9,536.89*	
			For Class 54 Rating, Add	*13,062.92*	
			For Class 55 Rating, Add	*19,450.02*	
			For Class 56 Rating, Add	*25,750.42*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579		EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,603.30	3,816.70
			For Class 52 Rating, Deduct	*-3,060.25*	
			For Class 54 Rating, Add	*4,242.46*	
			For Class 55 Rating, Add	*6,342.74*	
			For Class 56 Rating, Add	*8,415.21*	
40 05 19 00-2580		EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,312.64	3,821.31
			For Class 52 Rating, Deduct	*-3,357.50*	
			For Class 54 Rating, Add	*4,647.89*	
			For Class 55 Rating, Add	*6,945.53*	
			For Class 56 Rating, Add	*9,212.65*	
40 05 19 00-2581		EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,028.30	3,825.92
			For Class 52 Rating, Deduct	*-3,655.46*	
			For Class 54 Rating, Add	*5,054.28*	
			For Class 55 Rating, Add	*7,549.73*	
			For Class 56 Rating, Add	*10,011.96*	
40 05 19 00-2582		EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,775.44	3,830.55
			For Class 52 Rating, Deduct	*-3,956.87*	
			For Class 54 Rating, Add	*5,465.38*	
			For Class 55 Rating, Add	*8,160.95*	
			For Class 56 Rating, Add	*10,820.56*	
40 05 19 00-2583		EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,513.13	3,835.16
			For Class 52 Rating, Deduct	*-4,257.25*	
			For Class 54 Rating, Add	*5,875.07*	
			For Class 55 Rating, Add	*8,770.07*	
			For Class 56 Rating, Add	*11,626.36*	
40 05 19 00-2584		EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,257.13	3,839.78
			For Class 52 Rating, Deduct	*-4,558.32*	
			For Class 54 Rating, Add	*6,285.71*	
			For Class 55 Rating, Add	*9,380.59*	
			For Class 56 Rating, Add	*12,434.03*	
40 05 19 00-2585		EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,020.02	3,844.39
			For Class 52 Rating, Deduct	*-4,861.47*	
			For Class 54 Rating, Add	*6,699.18*	
			For Class 55 Rating, Add	*9,995.32*	
			For Class 56 Rating, Add	*13,247.27*	
40 05 19 00-2586		EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,776.61	3,849.00
			For Class 52 Rating, Deduct	*-5,163.93*	
			For Class 54 Rating, Add	*7,111.70*	
			For Class 55 Rating, Add	*10,608.65*	
			For Class 56 Rating, Add	*14,058.66*	
40 05 19 00-2587		EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,530.06	3,853.62
			For Class 52 Rating, Deduct	*-5,466.04*	
			For Class 54 Rating, Add	*7,523.75*	
			For Class 55 Rating, Add	*11,221.28*	
			For Class 56 Rating, Add	*14,869.11*	
40 05 19 00-2588		EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,311.85	3,858.23
			For Class 52 Rating, Deduct	*-5,771.26*	
			For Class 54 Rating, Add	*7,940.06*	
			For Class 55 Rating, Add	*11,840.23*	
			For Class 56 Rating, Add	*15,687.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,074.74	3,862.85
		For Class 52 Rating, Deduct	*-6,074.41*	
		For Class 54 Rating, Add	*8,353.52*	
		For Class 55 Rating, Add	*12,454.96*	
		For Class 56 Rating, Add	*16,501.17*	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,859.68	3,867.47
		For Class 52 Rating, Deduct	*-6,379.99*	
		For Class 54 Rating, Add	*8,770.30*	
		For Class 55 Rating, Add	*13,074.61*	
		For Class 56 Rating, Add	*17,320.92*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,628.87	3,872.08
		For Class 52 Rating, Deduct	*-6,683.83*	
		For Class 54 Rating, Add	*9,184.71*	
		For Class 55 Rating, Add	*13,690.75*	
		For Class 56 Rating, Add	*18,136.02*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,401.21	3,876.70
		For Class 52 Rating, Deduct	*-6,988.02*	
		For Class 54 Rating, Add	*9,599.60*	
		For Class 55 Rating, Add	*14,307.59*	
		For Class 56 Rating, Add	*18,952.05*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,192.46	3,881.31
		For Class 52 Rating, Deduct	*-7,294.28*	
		For Class 54 Rating, Add	*10,017.32*	
		For Class 55 Rating, Add	*14,928.64*	
		For Class 56 Rating, Add	*19,773.65*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,971.10	3,885.92
		For Class 52 Rating, Deduct	*-7,599.17*	
		For Class 54 Rating, Add	*10,433.15*	
		For Class 55 Rating, Add	*15,546.89*	
		For Class 56 Rating, Add	*20,591.54*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,746.58	3,890.54
		For Class 52 Rating, Deduct	*-7,903.70*	
		For Class 54 Rating, Add	*10,848.51*	
		For Class 55 Rating, Add	*16,164.43*	
		For Class 56 Rating, Add	*21,408.50*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,544.12	3,895.15
		For Class 52 Rating, Deduct	*-8,210.66*	
		For Class 54 Rating, Add	*11,267.18*	
		For Class 55 Rating, Add	*16,786.89*	
		For Class 56 Rating, Add	*22,231.96*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,325.91	3,899.77
		For Class 52 Rating, Deduct	*-8,515.89*	
		For Class 54 Rating, Add	*11,683.48*	
		For Class 55 Rating, Add	*17,405.84*	
		For Class 56 Rating, Add	*23,050.78*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,104.55	3,904.39
		For Class 52 Rating, Deduct	*-8,820.77*	
		For Class 54 Rating, Add	*12,099.31*	
		For Class 55 Rating, Add	*18,024.08*	
		For Class 56 Rating, Add	*23,868.67*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,905.24	3,909.00
		For Class 52 Rating, Deduct	*-9,128.08*	
		For Class 54 Rating, Add	*12,518.45*	
		For Class 55 Rating, Add	*18,647.25*	
		For Class 56 Rating, Add	*24,693.06*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,693.33	3,913.62
		For Class 52 Rating, Deduct	*-9,434.00*	
		For Class 54 Rating, Add	*12,935.70*	
		For Class 55 Rating, Add	*19,267.60*	
		For Class 56 Rating, Add	*25,513.73*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,475.12	3,918.23
		For Class 52 Rating, Deduct	*-9,739.23*	
		For Class 54 Rating, Add	*13,352.00*	
		For Class 55 Rating, Add	*19,886.55*	
		For Class 56 Rating, Add	*26,332.55*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	97,278.96	3,922.85
		For Class 52 Rating, Deduct	*-10,046.88*	
		For Class 54 Rating, Add	*13,771.61*	
		For Class 55 Rating, Add	*20,510.41*	
		For Class 56 Rating, Add	*27,157.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,067.05	3,927.46
		For Class 52 Rating, Deduct	*-10,352.80*	
		For Class 54 Rating, Add	*14,188.86*	
		For Class 55 Rating, Add	*21,130.76*	
		For Class 56 Rating, Add	*27,978.55*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	102,851.98	3,932.07
		For Class 52 Rating, Deduct	*-10,658.37*	
		For Class 54 Rating, Add	*14,605.64*	
		For Class 55 Rating, Add	*21,750.41*	
		For Class 56 Rating, Add	*28,798.29*	
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,658.98	3,936.69
		For Class 52 Rating, Deduct	*-10,966.37*	
		For Class 54 Rating, Add	*15,025.72*	
		For Class 55 Rating, Add	*22,374.98*	
		For Class 56 Rating, Add	*29,624.54*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,450.22	3,941.31
		For Class 52 Rating, Deduct	*-11,272.64*	
		For Class 54 Rating, Add	*15,443.44*	
		For Class 55 Rating, Add	*22,996.03*	
		For Class 56 Rating, Add	*30,446.15*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,913.89	3,945.92
		For Class 52 Rating, Deduct	*-11,542.87*	
		For Class 54 Rating, Add	*15,812.03*	
		For Class 55 Rating, Add	*23,544.04*	
		For Class 56 Rating, Add	*31,171.12*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	114,048.45	3,950.54
		For Class 52 Rating, Deduct	*-11,886.91*	
		For Class 54 Rating, Add	*16,281.25*	
		For Class 55 Rating, Add	*24,241.66*	
		For Class 56 Rating, Add	*32,094.00*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	116,836.52	3,955.15
		For Class 52 Rating, Deduct	*-12,192.83*	
		For Class 54 Rating, Add	*16,698.49*	
		For Class 55 Rating, Add	*24,862.01*	
		For Class 56 Rating, Add	*32,914.68*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	119,649.81	3,959.77
		For Class 52 Rating, Deduct	*-12,501.52*	
		For Class 54 Rating, Add	*17,119.52*	
		For Class 55 Rating, Add	*25,487.98*	
		For Class 56 Rating, Add	*33,742.79*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	122,437.90	3,964.38
		For Class 52 Rating, Deduct	*-12,807.44*	
		For Class 54 Rating, Add	*17,536.77*	
		For Class 55 Rating, Add	*26,108.33*	
		For Class 56 Rating, Add	*34,563.46*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	125,225.99	3,968.99
		For Class 52 Rating, Deduct	*-13,113.36*	
		For Class 54 Rating, Add	*17,954.02*	
		For Class 55 Rating, Add	*26,728.68*	
		For Class 56 Rating, Add	*35,384.14*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	128,042.42	3,973.62
		For Class 52 Rating, Deduct	*-13,422.40*	
		For Class 54 Rating, Add	*18,375.52*	
		For Class 55 Rating, Add	*27,355.36*	
		For Class 56 Rating, Add	*36,213.17*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	883.76	211.19
		For Class 52 Rating, Deduct	*-62.02*	
		For Class 54 Rating, Add	*88.41*	
		For Class 55 Rating, Add	*133.40*	
		For Class 56 Rating, Add	*177.83*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,009.03	214.88
		For Class 52 Rating, Deduct	*-75.18*	
		For Class 54 Rating, Add	*106.43*	
		For Class 55 Rating, Add	*160.23*	
		For Class 56 Rating, Add	*213.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,134.31	218.57
		For Class 52 Rating, Deduct	*-88.35*	
		For Class 54 Rating, Add	*124.45*	
		For Class 55 Rating, Add	*187.05*	
		For Class 56 Rating, Add	*248.85*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,259.60	222.27
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*142.47*	
		For Class 55 Rating, Add	*213.87*	
		For Class 56 Rating, Add	*284.36*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,384.88	225.96
		For Class 52 Rating, Deduct	*-114.68*	
		For Class 54 Rating, Add	*160.49*	
		For Class 55 Rating, Add	*240.70*	
		For Class 56 Rating, Add	*319.87*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,510.15	229.65
		For Class 52 Rating, Deduct	*-127.84*	
		For Class 54 Rating, Add	*178.51*	
		For Class 55 Rating, Add	*267.52*	
		For Class 56 Rating, Add	*355.38*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,635.44	233.34
		For Class 52 Rating, Deduct	*-141.01*	
		For Class 54 Rating, Add	*196.53*	
		For Class 55 Rating, Add	*294.35*	
		For Class 56 Rating, Add	*390.89*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,760.71	237.04
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*214.55*	
		For Class 55 Rating, Add	*321.17*	
		For Class 56 Rating, Add	*426.39*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,886.00	240.72
		For Class 52 Rating, Deduct	*-167.34*	
		For Class 54 Rating, Add	*232.57*	
		For Class 55 Rating, Add	*347.99*	
		For Class 56 Rating, Add	*461.90*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,011.27	244.42
		For Class 52 Rating, Deduct	*-180.50*	
		For Class 54 Rating, Add	*250.58*	
		For Class 55 Rating, Add	*374.82*	
		For Class 56 Rating, Add	*497.41*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,136.55	248.11
		For Class 52 Rating, Deduct	*-193.67*	
		For Class 54 Rating, Add	*268.61*	
		For Class 55 Rating, Add	*401.64*	
		For Class 56 Rating, Add	*532.92*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,261.83	251.80
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*286.62*	
		For Class 55 Rating, Add	*428.47*	
		For Class 56 Rating, Add	*568.43*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,387.11	255.49
		For Class 52 Rating, Deduct	*-220.00*	
		For Class 54 Rating, Add	*304.65*	
		For Class 55 Rating, Add	*455.29*	
		For Class 56 Rating, Add	*603.94*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,512.38	259.19
		For Class 52 Rating, Deduct	*-233.16*	
		For Class 54 Rating, Add	*322.66*	
		For Class 55 Rating, Add	*482.11*	
		For Class 56 Rating, Add	*639.44*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,637.67	262.88
		For Class 52 Rating, Deduct	*-246.33*	
		For Class 54 Rating, Add	*340.69*	
		For Class 55 Rating, Add	*508.94*	
		For Class 56 Rating, Add	*674.95*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,762.94	266.57
		For Class 52 Rating, Deduct	*-259.50*	
		For Class 54 Rating, Add	*358.70*	
		For Class 55 Rating, Add	*535.76*	
		For Class 56 Rating, Add	*710.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,888.22	270.26
		For Class 52 Rating, Deduct	*-272.66*	
		For Class 54 Rating, Add	*376.72*	
		For Class 55 Rating, Add	*562.59*	
		For Class 56 Rating, Add	*745.97*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,013.51	273.96
		For Class 52 Rating, Deduct	*-285.83*	
		For Class 54 Rating, Add	*394.74*	
		For Class 55 Rating, Add	*589.41*	
		For Class 56 Rating, Add	*781.48*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,138.78	277.64
		For Class 52 Rating, Deduct	*-298.99*	
		For Class 54 Rating, Add	*412.76*	
		For Class 55 Rating, Add	*616.23*	
		For Class 56 Rating, Add	*816.98*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,264.06	281.34
		For Class 52 Rating, Deduct	*-312.16*	
		For Class 54 Rating, Add	*430.78*	
		For Class 55 Rating, Add	*643.06*	
		For Class 56 Rating, Add	*852.49*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,389.34	285.03
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*448.80*	
		For Class 55 Rating, Add	*669.88*	
		For Class 56 Rating, Add	*888.00*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,514.62	288.73
		For Class 52 Rating, Deduct	*-338.49*	
		For Class 54 Rating, Add	*466.82*	
		For Class 55 Rating, Add	*696.71*	
		For Class 56 Rating, Add	*923.51*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,639.89	292.41
		For Class 52 Rating, Deduct	*-351.65*	
		For Class 54 Rating, Add	*484.84*	
		For Class 55 Rating, Add	*723.53*	
		For Class 56 Rating, Add	*959.02*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,765.18	296.11
		For Class 52 Rating, Deduct	*-364.82*	
		For Class 54 Rating, Add	*502.86*	
		For Class 55 Rating, Add	*750.35*	
		For Class 56 Rating, Add	*994.53*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,890.45	299.80
		For Class 52 Rating, Deduct	*-377.98*	
		For Class 54 Rating, Add	*520.88*	
		For Class 55 Rating, Add	*777.18*	
		For Class 56 Rating, Add	*1,030.03*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,015.73	303.49
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*538.90*	
		For Class 55 Rating, Add	*804.00*	
		For Class 56 Rating, Add	*1,065.54*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,141.01	307.18
		For Class 52 Rating, Deduct	*-404.31*	
		For Class 54 Rating, Add	*556.92*	
		For Class 55 Rating, Add	*830.82*	
		For Class 56 Rating, Add	*1,101.05*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.29	310.88
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*574.94*	
		For Class 55 Rating, Add	*857.65*	
		For Class 56 Rating, Add	*1,136.56*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,391.56	314.57
		For Class 52 Rating, Deduct	*-430.64*	
		For Class 54 Rating, Add	*592.96*	
		For Class 55 Rating, Add	*884.47*	
		For Class 56 Rating, Add	*1,172.07*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,516.85	318.26
		For Class 52 Rating, Deduct	*-443.81*	
		For Class 54 Rating, Add	*610.98*	
		For Class 55 Rating, Add	*911.30*	
		For Class 56 Rating, Add	*1,207.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,642.12	321.95
		For Class 52 Rating, Deduct	*-456.98*	
		For Class 54 Rating, Add	*629.00*	
		For Class 55 Rating, Add	*938.12*	
		For Class 56 Rating, Add	*1,243.09*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,767.41	325.65
		For Class 52 Rating, Deduct	*-470.14*	
		For Class 54 Rating, Add	*647.02*	
		For Class 55 Rating, Add	*964.95*	
		For Class 56 Rating, Add	*1,278.60*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,892.69	329.33
		For Class 52 Rating, Deduct	*-483.31*	
		For Class 54 Rating, Add	*665.04*	
		For Class 55 Rating, Add	*991.77*	
		For Class 56 Rating, Add	*1,314.10*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,017.97	333.03
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*683.06*	
		For Class 55 Rating, Add	*1,018.59*	
		For Class 56 Rating, Add	*1,349.61*	
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,143.24	336.72
		For Class 52 Rating, Deduct	*-509.64*	
		For Class 54 Rating, Add	*701.08*	
		For Class 55 Rating, Add	*1,045.42*	
		For Class 56 Rating, Add	*1,385.12*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,268.53	340.41
		For Class 52 Rating, Deduct	*-522.80*	
		For Class 54 Rating, Add	*719.10*	
		For Class 55 Rating, Add	*1,072.24*	
		For Class 56 Rating, Add	*1,420.63*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,393.80	344.10
		For Class 52 Rating, Deduct	*-535.97*	
		For Class 54 Rating, Add	*737.12*	
		For Class 55 Rating, Add	*1,099.06*	
		For Class 56 Rating, Add	*1,456.14*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,487.58	347.80
		For Class 52 Rating, Deduct	*-545.67*	
		For Class 54 Rating, Add	*750.42*	
		For Class 55 Rating, Add	*1,118.87*	
		For Class 56 Rating, Add	*1,482.35*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,644.36	351.49
		For Class 52 Rating, Deduct	*-562.30*	
		For Class 54 Rating, Add	*773.16*	
		For Class 55 Rating, Add	*1,152.71*	
		For Class 56 Rating, Add	*1,527.15*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,142.93	265.83
		For Class 52 Rating, Deduct	*-81.42*	
		For Class 54 Rating, Add	*115.86*	
		For Class 55 Rating, Add	*174.72*	
		For Class 56 Rating, Add	*232.85*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,287.11	269.53
		For Class 52 Rating, Deduct	*-96.66*	
		For Class 54 Rating, Add	*136.71*	
		For Class 55 Rating, Add	*205.76*	
		For Class 56 Rating, Add	*273.93*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,431.28	273.21
		For Class 52 Rating, Deduct	*-111.91*	
		For Class 54 Rating, Add	*157.57*	
		For Class 55 Rating, Add	*236.80*	
		For Class 56 Rating, Add	*315.01*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,575.45	276.91
		For Class 52 Rating, Deduct	*-127.15*	
		For Class 54 Rating, Add	*178.42*	
		For Class 55 Rating, Add	*267.83*	
		For Class 56 Rating, Add	*356.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,719.64	280.60
		For Class 52 Rating, Deduct	*-142.39*	
		For Class 54 Rating, Add	*199.28*	
		For Class 55 Rating, Add	*298.87*	
		For Class 56 Rating, Add	*397.18*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,863.82	284.29
		For Class 52 Rating, Deduct	*-157.64*	
		For Class 54 Rating, Add	*220.13*	
		For Class 55 Rating, Add	*329.91*	
		For Class 56 Rating, Add	*438.26*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,007.99	287.98
		For Class 52 Rating, Deduct	*-172.88*	
		For Class 54 Rating, Add	*240.98*	
		For Class 55 Rating, Add	*360.95*	
		For Class 56 Rating, Add	*479.34*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,152.17	291.68
		For Class 52 Rating, Deduct	*-188.13*	
		For Class 54 Rating, Add	*261.84*	
		For Class 55 Rating, Add	*391.99*	
		For Class 56 Rating, Add	*520.43*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,296.35	295.37
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*282.69*	
		For Class 55 Rating, Add	*423.03*	
		For Class 56 Rating, Add	*561.51*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,440.52	299.06
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*303.55*	
		For Class 55 Rating, Add	*454.07*	
		For Class 56 Rating, Add	*602.60*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,584.70	302.75
		For Class 52 Rating, Deduct	*-233.86*	
		For Class 54 Rating, Add	*324.40*	
		For Class 55 Rating, Add	*485.10*	
		For Class 56 Rating, Add	*643.68*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,728.87	306.45
		For Class 52 Rating, Deduct	*-249.10*	
		For Class 54 Rating, Add	*345.26*	
		For Class 55 Rating, Add	*516.14*	
		For Class 56 Rating, Add	*684.76*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,873.04	310.13
		For Class 52 Rating, Deduct	*-264.35*	
		For Class 54 Rating, Add	*366.11*	
		For Class 55 Rating, Add	*547.18*	
		For Class 56 Rating, Add	*725.84*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,017.23	313.83
		For Class 52 Rating, Deduct	*-279.59*	
		For Class 54 Rating, Add	*386.97*	
		For Class 55 Rating, Add	*578.22*	
		For Class 56 Rating, Add	*766.93*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,161.40	317.52
		For Class 52 Rating, Deduct	*-294.83*	
		For Class 54 Rating, Add	*407.82*	
		For Class 55 Rating, Add	*609.26*	
		For Class 56 Rating, Add	*808.01*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,305.57	321.22
		For Class 52 Rating, Deduct	*-310.08*	
		For Class 54 Rating, Add	*428.67*	
		For Class 55 Rating, Add	*640.29*	
		For Class 56 Rating, Add	*849.09*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,449.75	324.90
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*449.53*	
		For Class 55 Rating, Add	*671.33*	
		For Class 56 Rating, Add	*890.18*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,593.93	328.60
		For Class 52 Rating, Deduct	*-340.57*	
		For Class 54 Rating, Add	*470.38*	
		For Class 55 Rating, Add	*702.37*	
		For Class 56 Rating, Add	*931.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,738.10	332.29
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*491.24*	
		For Class 55 Rating, Add	*733.41*	
		For Class 56 Rating, Add	*972.34*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,882.29	335.98
		For Class 52 Rating, Deduct	*-371.05*	
		For Class 54 Rating, Add	*512.09*	
		For Class 55 Rating, Add	*764.45*	
		For Class 56 Rating, Add	*1,013.43*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,026.46	339.67
		For Class 52 Rating, Deduct	*-386.30*	
		For Class 54 Rating, Add	*532.95*	
		For Class 55 Rating, Add	*795.48*	
		For Class 56 Rating, Add	*1,054.51*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,170.64	343.37
		For Class 52 Rating, Deduct	*-401.54*	
		For Class 54 Rating, Add	*553.80*	
		For Class 55 Rating, Add	*826.52*	
		For Class 56 Rating, Add	*1,095.59*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,314.82	347.05
		For Class 52 Rating, Deduct	*-416.79*	
		For Class 54 Rating, Add	*574.66*	
		For Class 55 Rating, Add	*857.56*	
		For Class 56 Rating, Add	*1,136.68*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,458.99	350.75
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*595.51*	
		For Class 55 Rating, Add	*888.60*	
		For Class 56 Rating, Add	*1,177.76*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,603.16	354.44
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*616.36*	
		For Class 55 Rating, Add	*919.64*	
		For Class 56 Rating, Add	*1,218.84*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,747.35	358.14
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*637.22*	
		For Class 55 Rating, Add	*950.68*	
		For Class 56 Rating, Add	*1,259.93*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,891.52	361.82
		For Class 52 Rating, Deduct	*-477.76*	
		For Class 54 Rating, Add	*658.07*	
		For Class 55 Rating, Add	*981.71*	
		For Class 56 Rating, Add	*1,301.01*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,035.69	365.52
		For Class 52 Rating, Deduct	*-493.01*	
		For Class 54 Rating, Add	*678.93*	
		For Class 55 Rating, Add	*1,012.75*	
		For Class 56 Rating, Add	*1,342.09*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,179.87	369.21
		For Class 52 Rating, Deduct	*-508.25*	
		For Class 54 Rating, Add	*699.78*	
		For Class 55 Rating, Add	*1,043.79*	
		For Class 56 Rating, Add	*1,383.17*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,324.05	372.90
		For Class 52 Rating, Deduct	*-523.50*	
		For Class 54 Rating, Add	*720.64*	
		For Class 55 Rating, Add	*1,074.83*	
		For Class 56 Rating, Add	*1,424.26*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,468.22	376.59
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*741.49*	
		For Class 55 Rating, Add	*1,105.87*	
		For Class 56 Rating, Add	*1,465.34*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,612.40	380.29
		For Class 52 Rating, Deduct	*-553.98*	
		For Class 54 Rating, Add	*762.35*	
		For Class 55 Rating, Add	*1,136.90*	
		For Class 56 Rating, Add	*1,506.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,756.57	383.98
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*783.20*	
		For Class 55 Rating, Add	*1,167.94*	
		For Class 56 Rating, Add	*1,547.51*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,900.76	387.67
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*804.06*	
		For Class 55 Rating, Add	*1,198.98*	
		For Class 56 Rating, Add	*1,588.59*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,044.94	391.36
		For Class 52 Rating, Deduct	*-599.72*	
		For Class 54 Rating, Add	*824.91*	
		For Class 55 Rating, Add	*1,230.02*	
		For Class 56 Rating, Add	*1,629.68*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,189.11	395.06
		For Class 52 Rating, Deduct	*-614.96*	
		For Class 54 Rating, Add	*845.76*	
		For Class 55 Rating, Add	*1,261.06*	
		For Class 56 Rating, Add	*1,670.76*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,333.28	398.74
		For Class 52 Rating, Deduct	*-630.20*	
		For Class 54 Rating, Add	*866.62*	
		For Class 55 Rating, Add	*1,292.09*	
		For Class 56 Rating, Add	*1,711.84*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,477.46	402.44
		For Class 52 Rating, Deduct	*-645.45*	
		For Class 54 Rating, Add	*887.47*	
		For Class 55 Rating, Add	*1,323.13*	
		For Class 56 Rating, Add	*1,752.92*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,621.64	406.13
		For Class 52 Rating, Deduct	*-660.69*	
		For Class 54 Rating, Add	*908.33*	
		For Class 55 Rating, Add	*1,354.17*	
		For Class 56 Rating, Add	*1,794.01*	

40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,566.63	339.67
		For Class 52 Rating, Deduct	*-115.72*	
		For Class 54 Rating, Add	*163.97*	
		For Class 55 Rating, Add	*246.94*	
		For Class 56 Rating, Add	*328.86*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,751.74	343.37
		For Class 52 Rating, Deduct	*-135.46*	
		For Class 54 Rating, Add	*190.97*	
		For Class 55 Rating, Add	*287.11*	
		For Class 56 Rating, Add	*382.02*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,936.87	347.05
		For Class 52 Rating, Deduct	*-155.21*	
		For Class 54 Rating, Add	*217.96*	
		For Class 55 Rating, Add	*327.28*	
		For Class 56 Rating, Add	*435.18*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,121.99	350.75
		For Class 52 Rating, Deduct	*-174.96*	
		For Class 54 Rating, Add	*244.96*	
		For Class 55 Rating, Add	*367.45*	
		For Class 56 Rating, Add	*488.34*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,307.11	354.44
		For Class 52 Rating, Deduct	*-194.71*	
		For Class 54 Rating, Add	*271.96*	
		For Class 55 Rating, Add	*407.62*	
		For Class 56 Rating, Add	*541.51*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,492.23	358.14
		For Class 52 Rating, Deduct	*-214.46*	
		For Class 54 Rating, Add	*298.95*	
		For Class 55 Rating, Add	*447.78*	
		For Class 56 Rating, Add	*594.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.35	361.82
		For Class 52 Rating, Deduct	*-234.20*	
		For Class 54 Rating, Add	*325.95*	
		For Class 55 Rating, Add	*487.95*	
		For Class 56 Rating, Add	*647.83*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,862.47	365.52
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*352.94*	
		For Class 55 Rating, Add	*528.12*	
		For Class 56 Rating, Add	*700.99*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,047.59	369.21
		For Class 52 Rating, Deduct	*-273.70*	
		For Class 54 Rating, Add	*379.94*	
		For Class 55 Rating, Add	*568.29*	
		For Class 56 Rating, Add	*754.15*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,232.71	372.90
		For Class 52 Rating, Deduct	*-293.45*	
		For Class 54 Rating, Add	*406.94*	
		For Class 55 Rating, Add	*608.46*	
		For Class 56 Rating, Add	*807.31*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,417.83	376.59
		For Class 52 Rating, Deduct	*-313.20*	
		For Class 54 Rating, Add	*433.93*	
		For Class 55 Rating, Add	*648.63*	
		For Class 56 Rating, Add	*860.48*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,602.96	380.29
		For Class 52 Rating, Deduct	*-332.94*	
		For Class 54 Rating, Add	*460.93*	
		For Class 55 Rating, Add	*688.80*	
		For Class 56 Rating, Add	*913.64*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,788.07	383.98
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*487.92*	
		For Class 55 Rating, Add	*728.97*	
		For Class 56 Rating, Add	*966.80*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,973.20	387.67
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*514.92*	
		For Class 55 Rating, Add	*769.13*	
		For Class 56 Rating, Add	*1,019.96*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,158.33	391.36
		For Class 52 Rating, Deduct	*-392.19*	
		For Class 54 Rating, Add	*541.92*	
		For Class 55 Rating, Add	*809.30*	
		For Class 56 Rating, Add	*1,073.13*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,343.44	395.06
		For Class 52 Rating, Deduct	*-411.94*	
		For Class 54 Rating, Add	*568.91*	
		For Class 55 Rating, Add	*849.47*	
		For Class 56 Rating, Add	*1,126.29*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,528.56	398.74
		For Class 52 Rating, Deduct	*-431.68*	
		For Class 54 Rating, Add	*595.91*	
		For Class 55 Rating, Add	*889.64*	
		For Class 56 Rating, Add	*1,179.45*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,713.69	402.44
		For Class 52 Rating, Deduct	*-451.43*	
		For Class 54 Rating, Add	*622.91*	
		For Class 55 Rating, Add	*929.81*	
		For Class 56 Rating, Add	*1,232.61*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,898.81	406.13
		For Class 52 Rating, Deduct	*-471.18*	
		For Class 54 Rating, Add	*649.90*	
		For Class 55 Rating, Add	*969.98*	
		For Class 56 Rating, Add	*1,285.77*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,083.92	409.83
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*676.90*	
		For Class 55 Rating, Add	*1,010.15*	
		For Class 56 Rating, Add	*1,338.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,269.05	413.51
		For Class 52 Rating, Deduct	*-510.68*	
		For Class 54 Rating, Add	*703.89*	
		For Class 55 Rating, Add	*1,050.32*	
		For Class 56 Rating, Add	*1,392.10*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,454.17	417.21
		For Class 52 Rating, Deduct	*-530.42*	
		For Class 54 Rating, Add	*730.89*	
		For Class 55 Rating, Add	*1,090.49*	
		For Class 56 Rating, Add	*1,445.26*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,639.28	420.90
		For Class 52 Rating, Deduct	*-550.17*	
		For Class 54 Rating, Add	*757.89*	
		For Class 55 Rating, Add	*1,130.65*	
		For Class 56 Rating, Add	*1,498.42*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,824.41	424.59
		For Class 52 Rating, Deduct	*-569.92*	
		For Class 54 Rating, Add	*784.88*	
		For Class 55 Rating, Add	*1,170.82*	
		For Class 56 Rating, Add	*1,551.58*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,009.53	428.28
		For Class 52 Rating, Deduct	*-589.67*	
		For Class 54 Rating, Add	*811.88*	
		For Class 55 Rating, Add	*1,210.99*	
		For Class 56 Rating, Add	*1,604.74*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,194.65	431.98
		For Class 52 Rating, Deduct	*-609.42*	
		For Class 54 Rating, Add	*838.88*	
		For Class 55 Rating, Add	*1,251.16*	
		For Class 56 Rating, Add	*1,657.91*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,379.77	435.66
		For Class 52 Rating, Deduct	*-629.16*	
		For Class 54 Rating, Add	*865.87*	
		For Class 55 Rating, Add	*1,291.33*	
		For Class 56 Rating, Add	*1,711.07*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,564.90	439.36
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*892.87*	
		For Class 55 Rating, Add	*1,331.50*	
		For Class 56 Rating, Add	*1,764.23*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,750.02	443.05
		For Class 52 Rating, Deduct	*-668.66*	
		For Class 54 Rating, Add	*919.86*	
		For Class 55 Rating, Add	*1,371.67*	
		For Class 56 Rating, Add	*1,817.39*	
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,935.15	446.75
		For Class 52 Rating, Deduct	*-688.41*	
		For Class 54 Rating, Add	*946.86*	
		For Class 55 Rating, Add	*1,411.84*	
		For Class 56 Rating, Add	*1,870.55*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,120.26	450.43
		For Class 52 Rating, Deduct	*-708.16*	
		For Class 54 Rating, Add	*973.86*	
		For Class 55 Rating, Add	*1,452.00*	
		For Class 56 Rating, Add	*1,923.71*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,305.38	454.13
		For Class 52 Rating, Deduct	*-727.90*	
		For Class 54 Rating, Add	*1,000.85*	
		For Class 55 Rating, Add	*1,492.17*	
		For Class 56 Rating, Add	*1,976.88*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,490.51	457.82
		For Class 52 Rating, Deduct	*-747.65*	
		For Class 54 Rating, Add	*1,027.85*	
		For Class 55 Rating, Add	*1,532.34*	
		For Class 56 Rating, Add	*2,030.04*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,675.62	461.51
		For Class 52 Rating, Deduct	*-767.40*	
		For Class 54 Rating, Add	*1,054.85*	
		For Class 55 Rating, Add	*1,572.51*	
		For Class 56 Rating, Add	*2,083.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,860.74	465.20
		For Class 52 Rating, Deduct	*-787.15*	
		For Class 54 Rating, Add	*1,081.84*	
		For Class 55 Rating, Add	*1,612.68*	
		For Class 56 Rating, Add	*2,136.36*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,045.87	468.90
		For Class 52 Rating, Deduct	*-806.90*	
		For Class 54 Rating, Add	*1,108.84*	
		For Class 55 Rating, Add	*1,652.85*	
		For Class 56 Rating, Add	*2,189.53*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,230.99	472.59
		For Class 52 Rating, Deduct	*-826.64*	
		For Class 54 Rating, Add	*1,135.83*	
		For Class 55 Rating, Add	*1,693.02*	
		For Class 56 Rating, Add	*2,242.69*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,416.10	476.28
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,162.83*	
		For Class 55 Rating, Add	*1,733.19*	
		For Class 56 Rating, Add	*2,295.85*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,601.23	479.97
		For Class 52 Rating, Deduct	*-866.14*	
		For Class 54 Rating, Add	*1,189.83*	
		For Class 55 Rating, Add	*1,773.36*	
		For Class 56 Rating, Add	*2,349.01*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,968.27	413.51
		For Class 52 Rating, Deduct	*-147.59*	
		For Class 54 Rating, Add	*208.78*	
		For Class 55 Rating, Add	*314.24*	
		For Class 56 Rating, Add	*418.37*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,206.93	417.21
		For Class 52 Rating, Deduct	*-173.23*	
		For Class 54 Rating, Add	*243.81*	
		For Class 55 Rating, Add	*366.35*	
		For Class 56 Rating, Add	*487.32*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,445.59	420.90
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*278.83*	
		For Class 55 Rating, Add	*418.46*	
		For Class 56 Rating, Add	*556.28*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,684.26	424.59
		For Class 52 Rating, Deduct	*-224.50*	
		For Class 54 Rating, Add	*313.86*	
		For Class 55 Rating, Add	*470.57*	
		For Class 56 Rating, Add	*625.24*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,922.92	428.28
		For Class 52 Rating, Deduct	*-250.14*	
		For Class 54 Rating, Add	*348.89*	
		For Class 55 Rating, Add	*522.68*	
		For Class 56 Rating, Add	*694.19*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,161.58	431.98
		For Class 52 Rating, Deduct	*-275.78*	
		For Class 54 Rating, Add	*383.92*	
		For Class 55 Rating, Add	*574.79*	
		For Class 56 Rating, Add	*763.15*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,400.25	435.66
		For Class 52 Rating, Deduct	*-301.42*	
		For Class 54 Rating, Add	*418.94*	
		For Class 55 Rating, Add	*626.90*	
		For Class 56 Rating, Add	*832.11*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,638.92	439.36
		For Class 52 Rating, Deduct	*-327.05*	
		For Class 54 Rating, Add	*453.97*	
		For Class 55 Rating, Add	*679.00*	
		For Class 56 Rating, Add	*901.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,877.58	443.05
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*489.00*	
		For Class 55 Rating, Add	*731.11*	
		For Class 56 Rating, Add	*970.02*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,116.25	446.75
		For Class 52 Rating, Deduct	*-378.33*	
		For Class 54 Rating, Add	*524.03*	
		For Class 55 Rating, Add	*783.22*	
		For Class 56 Rating, Add	*1,038.98*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,354.91	450.43
		For Class 52 Rating, Deduct	*-403.97*	
		For Class 54 Rating, Add	*559.05*	
		For Class 55 Rating, Add	*835.33*	
		For Class 56 Rating, Add	*1,107.94*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.57	454.13
		For Class 52 Rating, Deduct	*-429.61*	
		For Class 54 Rating, Add	*594.08*	
		For Class 55 Rating, Add	*887.44*	
		For Class 56 Rating, Add	*1,176.89*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,832.24	457.82
		For Class 52 Rating, Deduct	*-455.24*	
		For Class 54 Rating, Add	*629.11*	
		For Class 55 Rating, Add	*939.55*	
		For Class 56 Rating, Add	*1,245.85*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,070.90	461.51
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*664.14*	
		For Class 55 Rating, Add	*991.66*	
		For Class 56 Rating, Add	*1,314.81*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,309.57	465.20
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*699.17*	
		For Class 55 Rating, Add	*1,043.77*	
		For Class 56 Rating, Add	*1,383.77*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,548.24	468.90
		For Class 52 Rating, Deduct	*-532.16*	
		For Class 54 Rating, Add	*734.19*	
		For Class 55 Rating, Add	*1,095.88*	
		For Class 56 Rating, Add	*1,452.72*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,786.90	472.59
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*769.22*	
		For Class 55 Rating, Add	*1,147.99*	
		For Class 56 Rating, Add	*1,521.68*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,025.56	476.28
		For Class 52 Rating, Deduct	*-583.43*	
		For Class 54 Rating, Add	*804.25*	
		For Class 55 Rating, Add	*1,200.10*	
		For Class 56 Rating, Add	*1,590.64*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,264.23	479.97
		For Class 52 Rating, Deduct	*-609.07*	
		For Class 54 Rating, Add	*839.28*	
		For Class 55 Rating, Add	*1,252.20*	
		For Class 56 Rating, Add	*1,659.60*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,502.89	483.67
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*874.30*	
		For Class 55 Rating, Add	*1,304.31*	
		For Class 56 Rating, Add	*1,728.55*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,741.55	487.35
		For Class 52 Rating, Deduct	*-660.35*	
		For Class 54 Rating, Add	*909.33*	
		For Class 55 Rating, Add	*1,356.42*	
		For Class 56 Rating, Add	*1,797.51*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,980.23	491.05
		For Class 52 Rating, Deduct	*-685.98*	
		For Class 54 Rating, Add	*944.36*	
		For Class 55 Rating, Add	*1,408.53*	
		For Class 56 Rating, Add	*1,866.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,218.89	494.74
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*979.39*	
		For Class 55 Rating, Add	*1,460.64*	
		For Class 56 Rating, Add	*1,935.42*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,457.55	498.43
		For Class 52 Rating, Deduct	*-737.26*	
		For Class 54 Rating, Add	*1,014.41*	
		For Class 55 Rating, Add	*1,512.75*	
		For Class 56 Rating, Add	*2,004.38*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,696.22	502.12
		For Class 52 Rating, Deduct	*-762.90*	
		For Class 54 Rating, Add	*1,049.44*	
		For Class 55 Rating, Add	*1,564.86*	
		For Class 56 Rating, Add	*2,073.34*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,934.88	505.82
		For Class 52 Rating, Deduct	*-788.53*	
		For Class 54 Rating, Add	*1,084.47*	
		For Class 55 Rating, Add	*1,616.97*	
		For Class 56 Rating, Add	*2,142.29*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,173.54	509.51
		For Class 52 Rating, Deduct	*-814.17*	
		For Class 54 Rating, Add	*1,119.50*	
		For Class 55 Rating, Add	*1,669.08*	
		For Class 56 Rating, Add	*2,211.25*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,412.21	513.20
		For Class 52 Rating, Deduct	*-839.81*	
		For Class 54 Rating, Add	*1,154.53*	
		For Class 55 Rating, Add	*1,721.18*	
		For Class 56 Rating, Add	*2,280.21*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,650.87	516.89
		For Class 52 Rating, Deduct	*-865.45*	
		For Class 54 Rating, Add	*1,189.55*	
		For Class 55 Rating, Add	*1,773.29*	
		For Class 56 Rating, Add	*2,349.17*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,889.53	520.59
		For Class 52 Rating, Deduct	*-891.08*	
		For Class 54 Rating, Add	*1,224.58*	
		For Class 55 Rating, Add	*1,825.40*	
		For Class 56 Rating, Add	*2,418.12*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,128.20	524.27
		For Class 52 Rating, Deduct	*-916.72*	
		For Class 54 Rating, Add	*1,259.61*	
		For Class 55 Rating, Add	*1,877.51*	
		For Class 56 Rating, Add	*2,487.08*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,366.86	527.97
		For Class 52 Rating, Deduct	*-942.36*	
		For Class 54 Rating, Add	*1,294.64*	
		For Class 55 Rating, Add	*1,929.62*	
		For Class 56 Rating, Add	*2,556.04*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,605.52	531.66
		For Class 52 Rating, Deduct	*-968.00*	
		For Class 54 Rating, Add	*1,329.66*	
		For Class 55 Rating, Add	*1,981.73*	
		For Class 56 Rating, Add	*2,624.99*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,844.19	535.36
		For Class 52 Rating, Deduct	*-993.64*	
		For Class 54 Rating, Add	*1,364.69*	
		For Class 55 Rating, Add	*2,033.84*	
		For Class 56 Rating, Add	*2,693.95*	
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,082.85	539.04
		For Class 52 Rating, Deduct	*-1,019.27*	
		For Class 54 Rating, Add	*1,399.72*	
		For Class 55 Rating, Add	*2,085.95*	
		For Class 56 Rating, Add	*2,762.91*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,321.52	542.74
		For Class 52 Rating, Deduct	*-1,044.91*	
		For Class 54 Rating, Add	*1,434.75*	
		For Class 55 Rating, Add	*2,138.06*	
		For Class 56 Rating, Add	*2,831.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,560.19	546.43
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,469.77*	
		For Class 55 Rating, Add	*2,190.16*	
		For Class 56 Rating, Add	*2,900.82*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,798.85	550.12
		For Class 52 Rating, Deduct	*-1,096.19*	
		For Class 54 Rating, Add	*1,504.80*	
		For Class 55 Rating, Add	*2,242.27*	
		For Class 56 Rating, Add	*2,969.78*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,037.51	553.81
		For Class 52 Rating, Deduct	*-1,121.82*	
		For Class 54 Rating, Add	*1,539.83*	
		For Class 55 Rating, Add	*2,294.38*	
		For Class 56 Rating, Add	*3,038.74*	

40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,546.95	516.89
		For Class 52 Rating, Deduct	*-194.02*	
		For Class 54 Rating, Add	*273.97*	
		For Class 55 Rating, Add	*412.12*	
		For Class 56 Rating, Add	*548.51*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,842.30	520.59
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*317.50*	
		For Class 55 Rating, Add	*476.87*	
		For Class 56 Rating, Add	*634.19*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,137.66	524.27
		For Class 52 Rating, Deduct	*-257.76*	
		For Class 54 Rating, Add	*361.03*	
		For Class 55 Rating, Add	*541.62*	
		For Class 56 Rating, Add	*719.87*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,433.02	527.97
		For Class 52 Rating, Deduct	*-289.64*	
		For Class 54 Rating, Add	*404.56*	
		For Class 55 Rating, Add	*606.37*	
		For Class 56 Rating, Add	*805.55*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,728.37	531.66
		For Class 52 Rating, Deduct	*-321.51*	
		For Class 54 Rating, Add	*448.09*	
		For Class 55 Rating, Add	*671.12*	
		For Class 56 Rating, Add	*891.23*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,023.73	535.36
		For Class 52 Rating, Deduct	*-353.38*	
		For Class 54 Rating, Add	*491.62*	
		For Class 55 Rating, Add	*735.87*	
		For Class 56 Rating, Add	*976.92*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,319.09	539.04
		For Class 52 Rating, Deduct	*-385.26*	
		For Class 54 Rating, Add	*535.15*	
		For Class 55 Rating, Add	*800.63*	
		For Class 56 Rating, Add	*1,062.60*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,614.45	542.74
		For Class 52 Rating, Deduct	*-417.13*	
		For Class 54 Rating, Add	*578.69*	
		For Class 55 Rating, Add	*865.38*	
		For Class 56 Rating, Add	*1,148.28*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,909.81	546.43
		For Class 52 Rating, Deduct	*-449.01*	
		For Class 54 Rating, Add	*622.22*	
		For Class 55 Rating, Add	*930.13*	
		For Class 56 Rating, Add	*1,233.96*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,205.16	550.12
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*665.75*	
		For Class 55 Rating, Add	*994.88*	
		For Class 56 Rating, Add	*1,319.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,500.52	553.81
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*709.28*	
		For Class 55 Rating, Add	*1,059.63*	
		For Class 56 Rating, Add	*1,405.32*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,795.88	557.51
		For Class 52 Rating, Deduct	*-544.63*	
		For Class 54 Rating, Add	*752.81*	
		For Class 55 Rating, Add	*1,124.38*	
		For Class 56 Rating, Add	*1,491.00*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,091.23	561.20
		For Class 52 Rating, Deduct	*-576.50*	
		For Class 54 Rating, Add	*796.34*	
		For Class 55 Rating, Add	*1,189.13*	
		For Class 56 Rating, Add	*1,576.69*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,386.59	564.89
		For Class 52 Rating, Deduct	*-608.38*	
		For Class 54 Rating, Add	*839.88*	
		For Class 55 Rating, Add	*1,253.89*	
		For Class 56 Rating, Add	*1,662.37*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,681.95	568.58
		For Class 52 Rating, Deduct	*-640.25*	
		For Class 54 Rating, Add	*883.41*	
		For Class 55 Rating, Add	*1,318.64*	
		For Class 56 Rating, Add	*1,748.05*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,977.30	572.28
		For Class 52 Rating, Deduct	*-672.12*	
		For Class 54 Rating, Add	*926.94*	
		For Class 55 Rating, Add	*1,383.39*	
		For Class 56 Rating, Add	*1,833.73*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,272.66	575.96
		For Class 52 Rating, Deduct	*-704.00*	
		For Class 54 Rating, Add	*970.47*	
		For Class 55 Rating, Add	*1,448.14*	
		For Class 56 Rating, Add	*1,919.41*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,568.02	579.66
		For Class 52 Rating, Deduct	*-735.87*	
		For Class 54 Rating, Add	*1,014.00*	
		For Class 55 Rating, Add	*1,512.89*	
		For Class 56 Rating, Add	*2,005.09*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,863.37	583.35
		For Class 52 Rating, Deduct	*-767.75*	
		For Class 54 Rating, Add	*1,057.53*	
		For Class 55 Rating, Add	*1,577.64*	
		For Class 56 Rating, Add	*2,090.77*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,158.73	587.04
		For Class 52 Rating, Deduct	*-799.62*	
		For Class 54 Rating, Add	*1,101.07*	
		For Class 55 Rating, Add	*1,642.40*	
		For Class 56 Rating, Add	*2,176.46*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,454.09	590.73
		For Class 52 Rating, Deduct	*-831.49*	
		For Class 54 Rating, Add	*1,144.60*	
		For Class 55 Rating, Add	*1,707.15*	
		For Class 56 Rating, Add	*2,262.14*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,749.45	594.43
		For Class 52 Rating, Deduct	*-863.37*	
		For Class 54 Rating, Add	*1,188.13*	
		For Class 55 Rating, Add	*1,771.90*	
		For Class 56 Rating, Add	*2,347.82*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,044.81	598.12
		For Class 52 Rating, Deduct	*-895.24*	
		For Class 54 Rating, Add	*1,231.66*	
		For Class 55 Rating, Add	*1,836.65*	
		For Class 56 Rating, Add	*2,433.50*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,340.17	601.81
		For Class 52 Rating, Deduct	*-927.12*	
		For Class 54 Rating, Add	*1,275.19*	
		For Class 55 Rating, Add	*1,901.40*	
		For Class 56 Rating, Add	*2,519.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,635.52	605.50
		For Class 52 Rating, Deduct	*-958.99*	
		For Class 54 Rating, Add	*1,318.72*	
		For Class 55 Rating, Add	*1,966.15*	
		For Class 56 Rating, Add	*2,604.86*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,930.88	609.20
		For Class 52 Rating, Deduct	*-990.86*	
		For Class 54 Rating, Add	*1,362.26*	
		For Class 55 Rating, Add	*2,030.91*	
		For Class 56 Rating, Add	*2,690.55*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,226.24	612.88
		For Class 52 Rating, Deduct	*-1,022.74*	
		For Class 54 Rating, Add	*1,405.79*	
		For Class 55 Rating, Add	*2,095.66*	
		For Class 56 Rating, Add	*2,776.23*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,521.59	616.58
		For Class 52 Rating, Deduct	*-1,054.61*	
		For Class 54 Rating, Add	*1,449.32*	
		For Class 55 Rating, Add	*2,160.41*	
		For Class 56 Rating, Add	*2,861.91*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,816.95	620.27
		For Class 52 Rating, Deduct	*-1,086.49*	
		For Class 54 Rating, Add	*1,492.85*	
		For Class 55 Rating, Add	*2,225.16*	
		For Class 56 Rating, Add	*2,947.59*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,112.31	623.97
		For Class 52 Rating, Deduct	*-1,118.36*	
		For Class 54 Rating, Add	*1,536.38*	
		For Class 55 Rating, Add	*2,289.91*	
		For Class 56 Rating, Add	*3,033.27*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,407.66	627.65
		For Class 52 Rating, Deduct	*-1,150.23*	
		For Class 54 Rating, Add	*1,579.91*	
		For Class 55 Rating, Add	*2,354.66*	
		For Class 56 Rating, Add	*3,118.95*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,703.02	631.35
		For Class 52 Rating, Deduct	*-1,182.11*	
		For Class 54 Rating, Add	*1,623.44*	
		For Class 55 Rating, Add	*2,419.41*	
		For Class 56 Rating, Add	*3,204.64*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,998.38	635.04
		For Class 52 Rating, Deduct	*-1,213.98*	
		For Class 54 Rating, Add	*1,666.98*	
		For Class 55 Rating, Add	*2,484.16*	
		For Class 56 Rating, Add	*3,290.32*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,293.73	638.73
		For Class 52 Rating, Deduct	*-1,245.86*	
		For Class 54 Rating, Add	*1,710.51*	
		For Class 55 Rating, Add	*2,548.92*	
		For Class 56 Rating, Add	*3,376.00*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,589.08	642.42
		For Class 52 Rating, Deduct	*-1,277.73*	
		For Class 54 Rating, Add	*1,754.04*	
		For Class 55 Rating, Add	*2,613.67*	
		For Class 56 Rating, Add	*3,461.68*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,884.46	646.12
		For Class 52 Rating, Deduct	*-1,309.60*	
		For Class 54 Rating, Add	*1,797.57*	
		For Class 55 Rating, Add	*2,678.42*	
		For Class 56 Rating, Add	*3,547.36*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,179.81	649.80
		For Class 52 Rating, Deduct	*-1,341.48*	
		For Class 54 Rating, Add	*1,841.10*	
		For Class 55 Rating, Add	*2,743.17*	
		For Class 56 Rating, Add	*3,633.04*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,475.16	653.50
		For Class 52 Rating, Deduct	*-1,373.35*	
		For Class 54 Rating, Add	*1,884.63*	
		For Class 55 Rating, Add	*2,807.92*	
		For Class 56 Rating, Add	*3,718.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,770.53	657.19
		For Class 52 Rating, Deduct	*-1,405.23*	
		For Class 54 Rating, Add	*1,928.17*	
		For Class 55 Rating, Add	*2,872.67*	
		For Class 56 Rating, Add	*3,804.41*	
40 05 19 00-2815		**14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,541.37	620.27
		For Class 52 Rating, Deduct	*-286.17*	
		For Class 54 Rating, Add	*401.51*	
		For Class 55 Rating, Add	*602.71*	
		For Class 56 Rating, Add	*801.30*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,899.72	623.97
		For Class 52 Rating, Deduct	*-324.98*	
		For Class 54 Rating, Add	*454.49*	
		For Class 55 Rating, Add	*681.50*	
		For Class 56 Rating, Add	*905.56*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,258.07	627.65
		For Class 52 Rating, Deduct	*-363.78*	
		For Class 54 Rating, Add	*507.47*	
		For Class 55 Rating, Add	*760.30*	
		For Class 56 Rating, Add	*1,009.82*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,616.42	631.35
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*560.45*	
		For Class 55 Rating, Add	*839.10*	
		For Class 56 Rating, Add	*1,114.09*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,974.77	635.04
		For Class 52 Rating, Deduct	*-441.38*	
		For Class 54 Rating, Add	*613.43*	
		For Class 55 Rating, Add	*917.90*	
		For Class 56 Rating, Add	*1,218.35*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,333.12	638.73
		For Class 52 Rating, Deduct	*-480.19*	
		For Class 54 Rating, Add	*666.42*	
		For Class 55 Rating, Add	*996.70*	
		For Class 56 Rating, Add	*1,322.62*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,691.46	642.42
		For Class 52 Rating, Deduct	*-518.99*	
		For Class 54 Rating, Add	*719.40*	
		For Class 55 Rating, Add	*1,075.50*	
		For Class 56 Rating, Add	*1,426.88*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,049.83	646.12
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*772.38*	
		For Class 55 Rating, Add	*1,154.30*	
		For Class 56 Rating, Add	*1,531.15*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,408.17	649.80
		For Class 52 Rating, Deduct	*-596.60*	
		For Class 54 Rating, Add	*825.36*	
		For Class 55 Rating, Add	*1,233.09*	
		For Class 56 Rating, Add	*1,635.41*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,766.52	653.50
		For Class 52 Rating, Deduct	*-635.40*	
		For Class 54 Rating, Add	*878.34*	
		For Class 55 Rating, Add	*1,311.89*	
		For Class 56 Rating, Add	*1,739.67*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,124.87	657.19
		For Class 52 Rating, Deduct	*-674.20*	
		For Class 54 Rating, Add	*931.32*	
		For Class 55 Rating, Add	*1,390.69*	
		For Class 56 Rating, Add	*1,843.94*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,483.22	660.89
		For Class 52 Rating, Deduct	*-713.01*	
		For Class 54 Rating, Add	*984.30*	
		For Class 55 Rating, Add	*1,469.49*	
		For Class 56 Rating, Add	*1,948.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,841.56	664.57
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,037.28*	
		For Class 55 Rating, Add	*1,548.29*	
		For Class 56 Rating, Add	*2,052.47*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,199.92	668.27
		For Class 52 Rating, Deduct	*-790.61*	
		For Class 54 Rating, Add	*1,090.26*	
		For Class 55 Rating, Add	*1,627.09*	
		For Class 56 Rating, Add	*2,156.73*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,558.26	671.96
		For Class 52 Rating, Deduct	*-829.42*	
		For Class 54 Rating, Add	*1,143.24*	
		For Class 55 Rating, Add	*1,705.89*	
		For Class 56 Rating, Add	*2,260.99*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,916.61	675.65
		For Class 52 Rating, Deduct	*-868.22*	
		For Class 54 Rating, Add	*1,196.22*	
		For Class 55 Rating, Add	*1,784.69*	
		For Class 56 Rating, Add	*2,365.26*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,274.96	679.34
		For Class 52 Rating, Deduct	*-907.02*	
		For Class 54 Rating, Add	*1,249.20*	
		For Class 55 Rating, Add	*1,863.48*	
		For Class 56 Rating, Add	*2,469.52*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,633.31	683.04
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,302.18*	
		For Class 55 Rating, Add	*1,942.28*	
		For Class 56 Rating, Add	*2,573.79*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,991.65	686.73
		For Class 52 Rating, Deduct	*-984.63*	
		For Class 54 Rating, Add	*1,355.16*	
		For Class 55 Rating, Add	*2,021.08*	
		For Class 56 Rating, Add	*2,678.05*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,350.01	690.42
		For Class 52 Rating, Deduct	*-1,023.43*	
		For Class 54 Rating, Add	*1,408.14*	
		For Class 55 Rating, Add	*2,099.88*	
		For Class 56 Rating, Add	*2,782.32*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,708.35	694.11
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,461.12*	
		For Class 55 Rating, Add	*2,178.68*	
		For Class 56 Rating, Add	*2,886.58*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,066.72	697.81
		For Class 52 Rating, Deduct	*-1,101.04*	
		For Class 54 Rating, Add	*1,514.10*	
		For Class 55 Rating, Add	*2,257.48*	
		For Class 56 Rating, Add	*2,990.84*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,425.06	701.49
		For Class 52 Rating, Deduct	*-1,139.84*	
		For Class 54 Rating, Add	*1,567.08*	
		For Class 55 Rating, Add	*2,336.28*	
		For Class 56 Rating, Add	*3,095.11*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,783.41	705.19
		For Class 52 Rating, Deduct	*-1,178.64*	
		For Class 54 Rating, Add	*1,620.06*	
		For Class 55 Rating, Add	*2,415.07*	
		For Class 56 Rating, Add	*3,199.37*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,141.76	708.88
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,673.04*	
		For Class 55 Rating, Add	*2,493.87*	
		For Class 56 Rating, Add	*3,303.64*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,500.11	712.58
		For Class 52 Rating, Deduct	*-1,256.25*	
		For Class 54 Rating, Add	*1,726.02*	
		For Class 55 Rating, Add	*2,572.67*	
		For Class 56 Rating, Add	*3,407.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,858.45	716.26
		For Class 52 Rating, Deduct	*-1,295.05*	
		For Class 54 Rating, Add	*1,779.00*	
		For Class 55 Rating, Add	*2,651.47*	
		For Class 56 Rating, Add	*3,512.16*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,216.81	719.96
		For Class 52 Rating, Deduct	*-1,333.86*	
		For Class 54 Rating, Add	*1,831.98*	
		For Class 55 Rating, Add	*2,730.27*	
		For Class 56 Rating, Add	*3,616.43*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,575.16	723.65
		For Class 52 Rating, Deduct	*-1,372.66*	
		For Class 54 Rating, Add	*1,884.97*	
		For Class 55 Rating, Add	*2,809.07*	
		For Class 56 Rating, Add	*3,720.69*	
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,933.50	727.34
		For Class 52 Rating, Deduct	*-1,411.46*	
		For Class 54 Rating, Add	*1,937.94*	
		For Class 55 Rating, Add	*2,887.87*	
		For Class 56 Rating, Add	*3,824.96*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,291.86	731.03
		For Class 52 Rating, Deduct	*-1,450.27*	
		For Class 54 Rating, Add	*1,990.93*	
		For Class 55 Rating, Add	*2,966.67*	
		For Class 56 Rating, Add	*3,929.22*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,650.20	734.73
		For Class 52 Rating, Deduct	*-1,489.07*	
		For Class 54 Rating, Add	*2,043.91*	
		For Class 55 Rating, Add	*3,045.46*	
		For Class 56 Rating, Add	*4,033.49*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,008.55	738.41
		For Class 52 Rating, Deduct	*-1,527.87*	
		For Class 54 Rating, Add	*2,096.89*	
		For Class 55 Rating, Add	*3,124.26*	
		For Class 56 Rating, Add	*4,137.75*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,366.90	742.11
		For Class 52 Rating, Deduct	*-1,566.67*	
		For Class 54 Rating, Add	*2,149.87*	
		For Class 55 Rating, Add	*3,203.06*	
		For Class 56 Rating, Add	*4,242.01*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,725.25	745.80
		For Class 52 Rating, Deduct	*-1,605.48*	
		For Class 54 Rating, Add	*2,202.85*	
		For Class 55 Rating, Add	*3,281.86*	
		For Class 56 Rating, Add	*4,346.28*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,083.60	749.50
		For Class 52 Rating, Deduct	*-1,644.28*	
		For Class 54 Rating, Add	*2,255.83*	
		For Class 55 Rating, Add	*3,360.66*	
		For Class 56 Rating, Add	*4,450.54*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,441.96	753.18
		For Class 52 Rating, Deduct	*-1,683.08*	
		For Class 54 Rating, Add	*2,308.81*	
		For Class 55 Rating, Add	*3,439.46*	
		For Class 56 Rating, Add	*4,554.81*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,800.30	756.88
		For Class 52 Rating, Deduct	*-1,721.89*	
		For Class 54 Rating, Add	*2,361.79*	
		For Class 55 Rating, Add	*3,518.26*	
		For Class 56 Rating, Add	*4,659.07*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,144.93	708.88
		For Class 52 Rating, Deduct	*-337.79*	
		For Class 54 Rating, Add	*473.52*	
		For Class 55 Rating, Add	*710.58*	
		For Class 56 Rating, Add	*944.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,559.97	712.58
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*535.00*	
		For Class 55 Rating, Add	*802.02*	
		For Class 56 Rating, Add	*1,065.56*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,975.01	716.26
		For Class 52 Rating, Deduct	*-427.87*	
		For Class 54 Rating, Add	*596.49*	
		For Class 55 Rating, Add	*893.46*	
		For Class 56 Rating, Add	*1,186.55*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,390.05	719.96
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*657.97*	
		For Class 55 Rating, Add	*984.90*	
		For Class 56 Rating, Add	*1,307.53*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,805.09	723.65
		For Class 52 Rating, Deduct	*-517.95*	
		For Class 54 Rating, Add	*719.45*	
		For Class 55 Rating, Add	*1,076.34*	
		For Class 56 Rating, Add	*1,428.52*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,220.13	727.34
		For Class 52 Rating, Deduct	*-562.99*	
		For Class 54 Rating, Add	*780.94*	
		For Class 55 Rating, Add	*1,167.79*	
		For Class 56 Rating, Add	*1,549.51*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,635.18	731.03
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*842.42*	
		For Class 55 Rating, Add	*1,259.23*	
		For Class 56 Rating, Add	*1,670.50*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,050.22	734.73
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*903.91*	
		For Class 55 Rating, Add	*1,350.67*	
		For Class 56 Rating, Add	*1,791.49*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,465.25	738.41
		For Class 52 Rating, Deduct	*-698.11*	
		For Class 54 Rating, Add	*965.39*	
		For Class 55 Rating, Add	*1,442.11*	
		For Class 56 Rating, Add	*1,912.48*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,880.30	742.11
		For Class 52 Rating, Deduct	*-743.15*	
		For Class 54 Rating, Add	*1,026.88*	
		For Class 55 Rating, Add	*1,533.55*	
		For Class 56 Rating, Add	*2,033.47*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,295.34	745.80
		For Class 52 Rating, Deduct	*-788.19*	
		For Class 54 Rating, Add	*1,088.36*	
		For Class 55 Rating, Add	*1,624.99*	
		For Class 56 Rating, Add	*2,154.46*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,710.39	749.50
		For Class 52 Rating, Deduct	*-833.23*	
		For Class 54 Rating, Add	*1,149.85*	
		For Class 55 Rating, Add	*1,716.43*	
		For Class 56 Rating, Add	*2,275.44*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,125.44	753.18
		For Class 52 Rating, Deduct	*-878.27*	
		For Class 54 Rating, Add	*1,211.33*	
		For Class 55 Rating, Add	*1,807.87*	
		For Class 56 Rating, Add	*2,396.43*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,540.47	756.88
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,272.81*	
		For Class 55 Rating, Add	*1,899.31*	
		For Class 56 Rating, Add	*2,517.42*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,955.51	760.57
		For Class 52 Rating, Deduct	*-968.34*	
		For Class 54 Rating, Add	*1,334.30*	
		For Class 55 Rating, Add	*1,990.76*	
		For Class 56 Rating, Add	*2,638.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,370.56	764.26
		For Class 52 Rating, Deduct	*-1,013.38*	
		For Class 54 Rating, Add	*1,395.78*	
		For Class 55 Rating, Add	*2,082.20*	
		For Class 56 Rating, Add	*2,759.40*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,785.60	767.95
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,457.27*	
		For Class 55 Rating, Add	*2,173.64*	
		For Class 56 Rating, Add	*2,880.39*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,200.64	771.65
		For Class 52 Rating, Deduct	*-1,103.46*	
		For Class 54 Rating, Add	*1,518.75*	
		For Class 55 Rating, Add	*2,265.08*	
		For Class 56 Rating, Add	*3,001.38*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,615.68	775.34
		For Class 52 Rating, Deduct	*-1,148.50*	
		For Class 54 Rating, Add	*1,580.24*	
		For Class 55 Rating, Add	*2,356.52*	
		For Class 56 Rating, Add	*3,122.36*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,030.72	779.03
		For Class 52 Rating, Deduct	*-1,193.54*	
		For Class 54 Rating, Add	*1,641.72*	
		For Class 55 Rating, Add	*2,447.96*	
		For Class 56 Rating, Add	*3,243.35*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,445.76	782.72
		For Class 52 Rating, Deduct	*-1,238.58*	
		For Class 54 Rating, Add	*1,703.20*	
		For Class 55 Rating, Add	*2,539.40*	
		For Class 56 Rating, Add	*3,364.34*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,860.81	786.42
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,764.69*	
		For Class 55 Rating, Add	*2,630.84*	
		For Class 56 Rating, Add	*3,485.33*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,275.85	790.10
		For Class 52 Rating, Deduct	*-1,328.66*	
		For Class 54 Rating, Add	*1,826.17*	
		For Class 55 Rating, Add	*2,722.29*	
		For Class 56 Rating, Add	*3,606.32*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,690.88	793.80
		For Class 52 Rating, Deduct	*-1,373.70*	
		For Class 54 Rating, Add	*1,887.66*	
		For Class 55 Rating, Add	*2,813.72*	
		For Class 56 Rating, Add	*3,727.31*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,105.93	797.49
		For Class 52 Rating, Deduct	*-1,418.74*	
		For Class 54 Rating, Add	*1,949.14*	
		For Class 55 Rating, Add	*2,905.17*	
		For Class 56 Rating, Add	*3,848.29*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,520.98	801.18
		For Class 52 Rating, Deduct	*-1,463.78*	
		For Class 54 Rating, Add	*2,010.63*	
		For Class 55 Rating, Add	*2,996.61*	
		For Class 56 Rating, Add	*3,969.28*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,936.02	804.87
		For Class 52 Rating, Deduct	*-1,508.82*	
		For Class 54 Rating, Add	*2,072.11*	
		For Class 55 Rating, Add	*3,088.05*	
		For Class 56 Rating, Add	*4,090.27*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,351.07	808.57
		For Class 52 Rating, Deduct	*-1,553.86*	
		For Class 54 Rating, Add	*2,133.60*	
		For Class 55 Rating, Add	*3,179.49*	
		For Class 56 Rating, Add	*4,211.26*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,766.10	812.26
		For Class 52 Rating, Deduct	*-1,598.89*	
		For Class 54 Rating, Add	*2,195.08*	
		For Class 55 Rating, Add	*3,270.93*	
		For Class 56 Rating, Add	*4,332.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,181.14	815.95
		For Class 52 Rating, Deduct	*-1,643.93*	
		For Class 54 Rating, Add	*2,256.56*	
		For Class 55 Rating, Add	*3,362.37*	
		For Class 56 Rating, Add	*4,453.24*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,596.19	819.64
		For Class 52 Rating, Deduct	*-1,688.97*	
		For Class 54 Rating, Add	*2,318.05*	
		For Class 55 Rating, Add	*3,453.81*	
		For Class 56 Rating, Add	*4,574.23*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,011.23	823.34
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,379.53*	
		For Class 55 Rating, Add	*3,545.26*	
		For Class 56 Rating, Add	*4,695.22*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,426.27	827.02
		For Class 52 Rating, Deduct	*-1,779.05*	
		For Class 54 Rating, Add	*2,441.02*	
		For Class 55 Rating, Add	*3,636.70*	
		For Class 56 Rating, Add	*4,816.20*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,841.31	830.72
		For Class 52 Rating, Deduct	*-1,824.09*	
		For Class 54 Rating, Add	*2,502.50*	
		For Class 55 Rating, Add	*3,728.14*	
		For Class 56 Rating, Add	*4,937.19*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,256.35	834.41
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,563.98*	
		For Class 55 Rating, Add	*3,819.58*	
		For Class 56 Rating, Add	*5,058.18*	
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,671.39	838.11
		For Class 52 Rating, Deduct	*-1,914.17*	
		For Class 54 Rating, Add	*2,625.47*	
		For Class 55 Rating, Add	*3,911.02*	
		For Class 56 Rating, Add	*5,179.17*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,086.44	841.79
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,686.95*	
		For Class 55 Rating, Add	*4,002.46*	
		For Class 56 Rating, Add	*5,300.16*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,501.48	845.49
		For Class 52 Rating, Deduct	*-2,004.25*	
		For Class 54 Rating, Add	*2,748.44*	
		For Class 55 Rating, Add	*4,093.90*	
		For Class 56 Rating, Add	*5,421.15*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,848.35	798.98
		For Class 52 Rating, Deduct	*-400.16*	
		For Class 54 Rating, Add	*560.20*	
		For Class 55 Rating, Add	*840.28*	
		For Class 56 Rating, Add	*1,116.73*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,326.38	802.66
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*631.13*	
		For Class 55 Rating, Add	*945.77*	
		For Class 56 Rating, Add	*1,256.30*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,804.42	806.36
		For Class 52 Rating, Deduct	*-504.09*	
		For Class 54 Rating, Add	*702.06*	
		For Class 55 Rating, Add	*1,051.26*	
		For Class 56 Rating, Add	*1,395.87*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,282.45	810.05
		For Class 52 Rating, Deduct	*-556.06*	
		For Class 54 Rating, Add	*772.99*	
		For Class 55 Rating, Add	*1,156.75*	
		For Class 56 Rating, Add	*1,535.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,760.48	813.74
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*843.93*	
		For Class 55 Rating, Add	*1,262.23*	
		For Class 56 Rating, Add	*1,675.01*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,238.52	817.43
		For Class 52 Rating, Deduct	*-660.00*	
		For Class 54 Rating, Add	*914.86*	
		For Class 55 Rating, Add	*1,367.72*	
		For Class 56 Rating, Add	*1,814.58*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,716.55	821.13
		For Class 52 Rating, Deduct	*-711.97*	
		For Class 54 Rating, Add	*985.79*	
		For Class 55 Rating, Add	*1,473.21*	
		For Class 56 Rating, Add	*1,954.16*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,194.58	824.82
		For Class 52 Rating, Deduct	*-763.94*	
		For Class 54 Rating, Add	*1,056.73*	
		For Class 55 Rating, Add	*1,578.70*	
		For Class 56 Rating, Add	*2,093.73*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,672.62	828.51
		For Class 52 Rating, Deduct	*-815.90*	
		For Class 54 Rating, Add	*1,127.66*	
		For Class 55 Rating, Add	*1,684.19*	
		For Class 56 Rating, Add	*2,233.30*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,150.66	832.20
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,198.59*	
		For Class 55 Rating, Add	*1,789.68*	
		For Class 56 Rating, Add	*2,372.87*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,628.69	835.90
		For Class 52 Rating, Deduct	*-919.84*	
		For Class 54 Rating, Add	*1,269.53*	
		For Class 55 Rating, Add	*1,895.16*	
		For Class 56 Rating, Add	*2,512.44*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,106.73	839.58
		For Class 52 Rating, Deduct	*-971.81*	
		For Class 54 Rating, Add	*1,340.46*	
		For Class 55 Rating, Add	*2,000.65*	
		For Class 56 Rating, Add	*2,652.01*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,584.76	843.28
		For Class 52 Rating, Deduct	*-1,023.78*	
		For Class 54 Rating, Add	*1,411.39*	
		For Class 55 Rating, Add	*2,106.14*	
		For Class 56 Rating, Add	*2,791.58*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,062.79	846.97
		For Class 52 Rating, Deduct	*-1,075.75*	
		For Class 54 Rating, Add	*1,482.33*	
		For Class 55 Rating, Add	*2,211.63*	
		For Class 56 Rating, Add	*2,931.15*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,540.83	850.66
		For Class 52 Rating, Deduct	*-1,127.71*	
		For Class 54 Rating, Add	*1,553.26*	
		For Class 55 Rating, Add	*2,317.12*	
		For Class 56 Rating, Add	*3,070.72*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,018.86	854.35
		For Class 52 Rating, Deduct	*-1,179.68*	
		For Class 54 Rating, Add	*1,624.19*	
		For Class 55 Rating, Add	*2,422.61*	
		For Class 56 Rating, Add	*3,210.30*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,496.89	858.05
		For Class 52 Rating, Deduct	*-1,231.65*	
		For Class 54 Rating, Add	*1,695.13*	
		For Class 55 Rating, Add	*2,528.09*	
		For Class 56 Rating, Add	*3,349.87*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,974.93	861.74
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,766.06*	
		For Class 55 Rating, Add	*2,633.58*	
		For Class 56 Rating, Add	*3,489.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,452.96	865.43
		For Class 52 Rating, Deduct	*-1,335.59*	
		For Class 54 Rating, Add	*1,836.99*	
		For Class 55 Rating, Add	*2,739.07*	
		For Class 56 Rating, Add	*3,629.01*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,930.99	869.12
		For Class 52 Rating, Deduct	*-1,387.56*	
		For Class 54 Rating, Add	*1,907.92*	
		For Class 55 Rating, Add	*2,844.56*	
		For Class 56 Rating, Add	*3,768.58*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,409.03	872.82
		For Class 52 Rating, Deduct	*-1,439.52*	
		For Class 54 Rating, Add	*1,978.86*	
		For Class 55 Rating, Add	*2,950.05*	
		For Class 56 Rating, Add	*3,908.15*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,887.06	876.50
		For Class 52 Rating, Deduct	*-1,491.49*	
		For Class 54 Rating, Add	*2,049.79*	
		For Class 55 Rating, Add	*3,055.54*	
		For Class 56 Rating, Add	*4,047.72*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,365.09	880.20
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,120.72*	
		For Class 55 Rating, Add	*3,161.02*	
		For Class 56 Rating, Add	*4,187.29*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,843.14	883.89
		For Class 52 Rating, Deduct	*-1,595.43*	
		For Class 54 Rating, Add	*2,191.66*	
		For Class 55 Rating, Add	*3,266.51*	
		For Class 56 Rating, Add	*4,326.87*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,321.17	887.59
		For Class 52 Rating, Deduct	*-1,647.40*	
		For Class 54 Rating, Add	*2,262.59*	
		For Class 55 Rating, Add	*3,372.00*	
		For Class 56 Rating, Add	*4,466.44*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,799.20	891.27
		For Class 52 Rating, Deduct	*-1,699.37*	
		For Class 54 Rating, Add	*2,333.52*	
		For Class 55 Rating, Add	*3,477.49*	
		For Class 56 Rating, Add	*4,606.01*	
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,277.24	894.97
		For Class 52 Rating, Deduct	*-1,751.34*	
		For Class 54 Rating, Add	*2,404.46*	
		For Class 55 Rating, Add	*3,582.98*	
		For Class 56 Rating, Add	*4,745.58*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,755.27	898.66
		For Class 52 Rating, Deduct	*-1,803.30*	
		For Class 54 Rating, Add	*2,475.39*	
		For Class 55 Rating, Add	*3,688.47*	
		For Class 56 Rating, Add	*4,885.15*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,233.30	902.35
		For Class 52 Rating, Deduct	*-1,855.27*	
		For Class 54 Rating, Add	*2,546.32*	
		For Class 55 Rating, Add	*3,793.96*	
		For Class 56 Rating, Add	*5,024.72*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,711.34	906.04
		For Class 52 Rating, Deduct	*-1,907.24*	
		For Class 54 Rating, Add	*2,617.26*	
		For Class 55 Rating, Add	*3,899.44*	
		For Class 56 Rating, Add	*5,164.29*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,189.37	909.74
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,688.19*	
		For Class 55 Rating, Add	*4,004.93*	
		For Class 56 Rating, Add	*5,303.86*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,667.40	913.42
		For Class 52 Rating, Deduct	*-2,011.18*	
		For Class 54 Rating, Add	*2,759.12*	
		For Class 55 Rating, Add	*4,110.42*	
		For Class 56 Rating, Add	*5,443.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,145.44	917.12
		For Class 52 Rating, Deduct	*-2,063.15*	
		For Class 54 Rating, Add	*2,830.06*	
		For Class 55 Rating, Add	*4,215.91*	
		For Class 56 Rating, Add	*5,583.01*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,623.47	920.81
		For Class 52 Rating, Deduct	*-2,115.11*	
		For Class 54 Rating, Add	*2,900.99*	
		For Class 55 Rating, Add	*4,321.40*	
		For Class 56 Rating, Add	*5,722.58*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,101.50	924.51
		For Class 52 Rating, Deduct	*-2,167.08*	
		For Class 54 Rating, Add	*2,971.92*	
		For Class 55 Rating, Add	*4,426.89*	
		For Class 56 Rating, Add	*5,862.15*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,579.54	928.19
		For Class 52 Rating, Deduct	*-2,219.05*	
		For Class 54 Rating, Add	*3,042.85*	
		For Class 55 Rating, Add	*4,532.37*	
		For Class 56 Rating, Add	*6,001.72*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,057.57	931.89
		For Class 52 Rating, Deduct	*-2,271.02*	
		For Class 54 Rating, Add	*3,113.79*	
		For Class 55 Rating, Add	*4,637.86*	
		For Class 56 Rating, Add	*6,141.29*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,535.61	935.58
		For Class 52 Rating, Deduct	*-2,322.99*	
		For Class 54 Rating, Add	*3,184.72*	
		For Class 55 Rating, Add	*4,743.35*	
		For Class 56 Rating, Add	*6,280.86*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,617.95	911.95
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*652.01*	
		For Class 55 Rating, Add	*977.84*	
		For Class 56 Rating, Add	*1,299.42*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,162.12	915.63
		For Class 52 Rating, Deduct	*-525.23*	
		For Class 54 Rating, Add	*732.87*	
		For Class 55 Rating, Add	*1,098.07*	
		For Class 56 Rating, Add	*1,458.51*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,706.31	919.33
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*813.72*	
		For Class 55 Rating, Add	*1,218.31*	
		For Class 56 Rating, Add	*1,617.59*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,250.48	923.02
		For Class 52 Rating, Deduct	*-643.72*	
		For Class 54 Rating, Add	*894.58*	
		For Class 55 Rating, Add	*1,338.55*	
		For Class 56 Rating, Add	*1,776.67*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,794.65	926.72
		For Class 52 Rating, Deduct	*-702.96*	
		For Class 54 Rating, Add	*975.43*	
		For Class 55 Rating, Add	*1,458.79*	
		For Class 56 Rating, Add	*1,935.76*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,338.83	930.40
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,056.28*	
		For Class 55 Rating, Add	*1,579.03*	
		For Class 56 Rating, Add	*2,094.84*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,883.00	934.10
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,137.14*	
		For Class 55 Rating, Add	*1,699.26*	
		For Class 56 Rating, Add	*2,253.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,427.17	937.79
		For Class 52 Rating, Deduct	*-880.69*	
		For Class 54 Rating, Add	*1,217.99*	
		For Class 55 Rating, Add	*1,819.50*	
		For Class 56 Rating, Add	*2,413.00*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,971.35	941.48
		For Class 52 Rating, Deduct	*-939.93*	
		For Class 54 Rating, Add	*1,298.85*	
		For Class 55 Rating, Add	*1,939.74*	
		For Class 56 Rating, Add	*2,572.09*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,515.53	945.17
		For Class 52 Rating, Deduct	*-999.18*	
		For Class 54 Rating, Add	*1,379.70*	
		For Class 55 Rating, Add	*2,059.98*	
		For Class 56 Rating, Add	*2,731.17*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,059.70	948.87
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,460.56*	
		For Class 55 Rating, Add	*2,180.22*	
		For Class 56 Rating, Add	*2,890.25*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,603.88	952.55
		For Class 52 Rating, Deduct	*-1,117.67*	
		For Class 54 Rating, Add	*1,541.41*	
		For Class 55 Rating, Add	*2,300.45*	
		For Class 56 Rating, Add	*3,049.34*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,148.06	956.25
		For Class 52 Rating, Deduct	*-1,176.91*	
		For Class 54 Rating, Add	*1,622.26*	
		For Class 55 Rating, Add	*2,420.69*	
		For Class 56 Rating, Add	*3,208.42*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,692.23	959.94
		For Class 52 Rating, Deduct	*-1,236.15*	
		For Class 54 Rating, Add	*1,703.12*	
		For Class 55 Rating, Add	*2,540.93*	
		For Class 56 Rating, Add	*3,367.50*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,236.41	963.64
		For Class 52 Rating, Deduct	*-1,295.40*	
		For Class 54 Rating, Add	*1,783.97*	
		For Class 55 Rating, Add	*2,661.17*	
		For Class 56 Rating, Add	*3,526.59*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,780.59	967.32
		For Class 52 Rating, Deduct	*-1,354.64*	
		For Class 54 Rating, Add	*1,864.83*	
		For Class 55 Rating, Add	*2,781.41*	
		For Class 56 Rating, Add	*3,685.67*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,324.76	971.02
		For Class 52 Rating, Deduct	*-1,413.89*	
		For Class 54 Rating, Add	*1,945.68*	
		For Class 55 Rating, Add	*2,901.64*	
		For Class 56 Rating, Add	*3,844.75*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,868.94	974.71
		For Class 52 Rating, Deduct	*-1,473.13*	
		For Class 54 Rating, Add	*2,026.54*	
		For Class 55 Rating, Add	*3,021.88*	
		For Class 56 Rating, Add	*4,003.84*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,413.11	978.40
		For Class 52 Rating, Deduct	*-1,532.37*	
		For Class 54 Rating, Add	*2,107.39*	
		For Class 55 Rating, Add	*3,142.12*	
		For Class 56 Rating, Add	*4,162.92*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,957.28	982.09
		For Class 52 Rating, Deduct	*-1,591.62*	
		For Class 54 Rating, Add	*2,188.25*	
		For Class 55 Rating, Add	*3,262.36*	
		For Class 56 Rating, Add	*4,322.00*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,501.46	985.79
		For Class 52 Rating, Deduct	*-1,650.86*	
		For Class 54 Rating, Add	*2,269.10*	
		For Class 55 Rating, Add	*3,382.60*	
		For Class 56 Rating, Add	*4,481.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,045.64	989.48
		For Class 52 Rating, Deduct	*-1,710.11*	
		For Class 54 Rating, Add	*2,349.96*	
		For Class 55 Rating, Add	*3,502.83*	
		For Class 56 Rating, Add	*4,640.17*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,589.81	993.17
		For Class 52 Rating, Deduct	*-1,769.35*	
		For Class 54 Rating, Add	*2,430.81*	
		For Class 55 Rating, Add	*3,623.07*	
		For Class 56 Rating, Add	*4,799.25*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,133.99	996.86
		For Class 52 Rating, Deduct	*-1,828.59*	
		For Class 54 Rating, Add	*2,511.66*	
		For Class 55 Rating, Add	*3,743.31*	
		For Class 56 Rating, Add	*4,958.33*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,678.16	1,000.56
		For Class 52 Rating, Deduct	*-1,887.84*	
		For Class 54 Rating, Add	*2,592.52*	
		For Class 55 Rating, Add	*3,863.55*	
		For Class 56 Rating, Add	*5,117.42*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,222.34	1,004.24
		For Class 52 Rating, Deduct	*-1,947.08*	
		For Class 54 Rating, Add	*2,673.37*	
		For Class 55 Rating, Add	*3,983.79*	
		For Class 56 Rating, Add	*5,276.50*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,766.52	1,007.94
		For Class 52 Rating, Deduct	*-2,006.33*	
		For Class 54 Rating, Add	*2,754.23*	
		For Class 55 Rating, Add	*4,104.02*	
		For Class 56 Rating, Add	*5,435.58*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,310.70	1,011.63
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,835.08*	
		For Class 55 Rating, Add	*4,224.26*	
		For Class 56 Rating, Add	*5,594.67*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,854.87	1,015.33
		For Class 52 Rating, Deduct	*-2,124.82*	
		For Class 54 Rating, Add	*2,915.94*	
		For Class 55 Rating, Add	*4,344.50*	
		For Class 56 Rating, Add	*5,753.75*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,399.05	1,019.01
		For Class 52 Rating, Deduct	*-2,184.06*	
		For Class 54 Rating, Add	*2,996.79*	
		For Class 55 Rating, Add	*4,464.74*	
		For Class 56 Rating, Add	*5,912.83*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,943.22	1,022.71
		For Class 52 Rating, Deduct	*-2,243.30*	
		For Class 54 Rating, Add	*3,077.64*	
		For Class 55 Rating, Add	*4,584.98*	
		For Class 56 Rating, Add	*6,071.91*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,487.39	1,026.40
		For Class 52 Rating, Deduct	*-2,302.55*	
		For Class 54 Rating, Add	*3,158.50*	
		For Class 55 Rating, Add	*4,705.21*	
		For Class 56 Rating, Add	*6,231.00*	
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,031.57	1,030.09
		For Class 52 Rating, Deduct	*-2,361.79*	
		For Class 54 Rating, Add	*3,239.35*	
		For Class 55 Rating, Add	*4,825.45*	
		For Class 56 Rating, Add	*6,390.08*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,575.74	1,033.78
		For Class 52 Rating, Deduct	*-2,421.03*	
		For Class 54 Rating, Add	*3,320.21*	
		For Class 55 Rating, Add	*4,945.69*	
		For Class 56 Rating, Add	*6,549.16*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,119.92	1,037.48
		For Class 52 Rating, Deduct	*-2,480.28*	
		For Class 54 Rating, Add	*3,401.06*	
		For Class 55 Rating, Add	*5,065.93*	
		For Class 56 Rating, Add	*6,708.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,664.10	1,041.17
		For Class 52 Rating, Deduct	*-2,539.52*	
		For Class 54 Rating, Add	*3,481.92*	
		For Class 55 Rating, Add	*5,186.17*	
		For Class 56 Rating, Add	*6,867.33*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,208.27	1,044.86
		For Class 52 Rating, Deduct	*-2,598.77*	
		For Class 54 Rating, Add	*3,562.77*	
		For Class 55 Rating, Add	*5,306.40*	
		For Class 56 Rating, Add	*7,026.41*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,752.44	1,048.55
		For Class 52 Rating, Deduct	*-2,658.01*	
		For Class 54 Rating, Add	*3,643.62*	
		For Class 55 Rating, Add	*5,426.64*	
		For Class 56 Rating, Add	*7,185.49*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,981.49	1,078.10
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*821.80*	
		For Class 55 Rating, Add	*1,231.81*	
		For Class 56 Rating, Add	*1,636.47*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,654.80	1,081.78
		For Class 52 Rating, Deduct	*-661.73*	
		For Class 54 Rating, Add	*922.03*	
		For Class 55 Rating, Add	*1,380.85*	
		For Class 56 Rating, Add	*1,833.65*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,328.11	1,085.48
		For Class 52 Rating, Deduct	*-735.18*	
		For Class 54 Rating, Add	*1,022.25*	
		For Class 55 Rating, Add	*1,529.88*	
		For Class 56 Rating, Add	*2,030.83*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,001.42	1,089.17
		For Class 52 Rating, Deduct	*-808.63*	
		For Class 54 Rating, Add	*1,122.48*	
		For Class 55 Rating, Add	*1,678.92*	
		For Class 56 Rating, Add	*2,228.00*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,674.72	1,092.86
		For Class 52 Rating, Deduct	*-882.08*	
		For Class 54 Rating, Add	*1,222.70*	
		For Class 55 Rating, Add	*1,827.95*	
		For Class 56 Rating, Add	*2,425.18*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,348.04	1,096.55
		For Class 52 Rating, Deduct	*-955.53*	
		For Class 54 Rating, Add	*1,322.93*	
		For Class 55 Rating, Add	*1,976.99*	
		For Class 56 Rating, Add	*2,622.36*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,021.34	1,100.25
		For Class 52 Rating, Deduct	*-1,028.97*	
		For Class 54 Rating, Add	*1,423.15*	
		For Class 55 Rating, Add	*2,126.02*	
		For Class 56 Rating, Add	*2,819.53*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,694.65	1,103.93
		For Class 52 Rating, Deduct	*-1,102.42*	
		For Class 54 Rating, Add	*1,523.38*	
		For Class 55 Rating, Add	*2,275.06*	
		For Class 56 Rating, Add	*3,016.71*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,367.97	1,107.63
		For Class 52 Rating, Deduct	*-1,175.87*	
		For Class 54 Rating, Add	*1,623.60*	
		For Class 55 Rating, Add	*2,424.09*	
		For Class 56 Rating, Add	*3,213.89*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,041.28	1,111.32
		For Class 52 Rating, Deduct	*-1,249.32*	
		For Class 54 Rating, Add	*1,723.82*	
		For Class 55 Rating, Add	*2,573.13*	
		For Class 56 Rating, Add	*3,411.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,714.58	1,115.02
		For Class 52 Rating, Deduct	*-1,322.77*	
		For Class 54 Rating, Add	*1,824.05*	
		For Class 55 Rating, Add	*2,722.16*	
		For Class 56 Rating, Add	*3,608.24*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,387.90	1,118.70
		For Class 52 Rating, Deduct	*-1,396.22*	
		For Class 54 Rating, Add	*1,924.27*	
		For Class 55 Rating, Add	*2,871.19*	
		For Class 56 Rating, Add	*3,805.42*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,061.20	1,122.40
		For Class 52 Rating, Deduct	*-1,469.67*	
		For Class 54 Rating, Add	*2,024.50*	
		For Class 55 Rating, Add	*3,020.23*	
		For Class 56 Rating, Add	*4,002.60*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,734.51	1,126.09
		For Class 52 Rating, Deduct	*-1,543.12*	
		For Class 54 Rating, Add	*2,124.72*	
		For Class 55 Rating, Add	*3,169.26*	
		For Class 56 Rating, Add	*4,199.78*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,407.82	1,129.78
		For Class 52 Rating, Deduct	*-1,616.56*	
		For Class 54 Rating, Add	*2,224.95*	
		For Class 55 Rating, Add	*3,318.30*	
		For Class 56 Rating, Add	*4,396.95*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,081.13	1,133.47
		For Class 52 Rating, Deduct	*-1,690.01*	
		For Class 54 Rating, Add	*2,325.17*	
		For Class 55 Rating, Add	*3,467.33*	
		For Class 56 Rating, Add	*4,594.13*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,754.43	1,137.17
		For Class 52 Rating, Deduct	*-1,763.46*	
		For Class 54 Rating, Add	*2,425.39*	
		For Class 55 Rating, Add	*3,616.37*	
		For Class 56 Rating, Add	*4,791.31*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,427.75	1,140.86
		For Class 52 Rating, Deduct	*-1,836.91*	
		For Class 54 Rating, Add	*2,525.62*	
		For Class 55 Rating, Add	*3,765.40*	
		For Class 56 Rating, Add	*4,988.49*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,101.05	1,144.55
		For Class 52 Rating, Deduct	*-1,910.36*	
		For Class 54 Rating, Add	*2,625.84*	
		For Class 55 Rating, Add	*3,914.44*	
		For Class 56 Rating, Add	*5,185.66*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,774.36	1,148.24
		For Class 52 Rating, Deduct	*-1,983.81*	
		For Class 54 Rating, Add	*2,726.07*	
		For Class 55 Rating, Add	*4,063.47*	
		For Class 56 Rating, Add	*5,382.84*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,447.67	1,151.94
		For Class 52 Rating, Deduct	*-2,057.26*	
		For Class 54 Rating, Add	*2,826.29*	
		For Class 55 Rating, Add	*4,212.51*	
		For Class 56 Rating, Add	*5,580.02*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,120.98	1,155.62
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,926.52*	
		For Class 55 Rating, Add	*4,361.54*	
		For Class 56 Rating, Add	*5,777.20*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,794.31	1,159.32
		For Class 52 Rating, Deduct	*-2,204.15*	
		For Class 54 Rating, Add	*3,026.74*	
		For Class 55 Rating, Add	*4,510.58*	
		For Class 56 Rating, Add	*5,974.38*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,467.61	1,163.01
		For Class 52 Rating, Deduct	*-2,277.60*	
		For Class 54 Rating, Add	*3,126.97*	
		For Class 55 Rating, Add	*4,659.61*	
		For Class 56 Rating, Add	*6,171.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,140.92	1,166.71
		For Class 52 Rating, Deduct	*-2,351.05*	
		For Class 54 Rating, Add	*3,227.19*	
		For Class 55 Rating, Add	*4,808.65*	
		For Class 56 Rating, Add	*6,368.73*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,814.23	1,170.39
		For Class 52 Rating, Deduct	*-2,424.50*	
		For Class 54 Rating, Add	*3,327.41*	
		For Class 55 Rating, Add	*4,957.68*	
		For Class 56 Rating, Add	*6,565.91*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,487.54	1,174.09
		For Class 52 Rating, Deduct	*-2,497.95*	
		For Class 54 Rating, Add	*3,427.64*	
		For Class 55 Rating, Add	*5,106.72*	
		For Class 56 Rating, Add	*6,763.08*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,160.84	1,177.78
		For Class 52 Rating, Deduct	*-2,571.40*	
		For Class 54 Rating, Add	*3,527.86*	
		For Class 55 Rating, Add	*5,255.75*	
		For Class 56 Rating, Add	*6,960.26*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,834.16	1,181.47
		For Class 52 Rating, Deduct	*-2,644.85*	
		For Class 54 Rating, Add	*3,628.09*	
		For Class 55 Rating, Add	*5,404.79*	
		For Class 56 Rating, Add	*7,157.44*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,602.56	1,247.93
		For Class 52 Rating, Deduct	*-2,718.29*	
		For Class 54 Rating, Add	*3,729.45*	
		For Class 55 Rating, Add	*5,556.10*	
		For Class 56 Rating, Add	*7,358.04*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,275.87	1,251.62
		For Class 52 Rating, Deduct	*-2,791.74*	
		For Class 54 Rating, Add	*3,829.68*	
		For Class 55 Rating, Add	*5,705.14*	
		For Class 56 Rating, Add	*7,555.22*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,949.17	1,255.31
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,929.90*	
		For Class 55 Rating, Add	*5,854.17*	
		For Class 56 Rating, Add	*7,752.39*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,622.49	1,259.00
		For Class 52 Rating, Deduct	*-2,938.64*	
		For Class 54 Rating, Add	*4,030.13*	
		For Class 55 Rating, Add	*6,003.21*	
		For Class 56 Rating, Add	*7,949.57*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,295.80	1,262.70
		For Class 52 Rating, Deduct	*-3,012.09*	
		For Class 54 Rating, Add	*4,130.35*	
		For Class 55 Rating, Add	*6,152.24*	
		For Class 56 Rating, Add	*8,146.75*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,965.96	1,266.39
		For Class 52 Rating, Deduct	*-3,085.19*	
		For Class 54 Rating, Add	*4,230.10*	
		For Class 55 Rating, Add	*6,300.57*	
		For Class 56 Rating, Add	*8,343.00*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,642.42	1,270.08
		For Class 52 Rating, Deduct	*-3,158.99*	
		For Class 54 Rating, Add	*4,330.80*	
		For Class 55 Rating, Add	*6,450.31*	
		For Class 56 Rating, Add	*8,541.10*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,315.73	1,273.77
		For Class 52 Rating, Deduct	*-3,232.43*	
		For Class 54 Rating, Add	*4,431.03*	
		For Class 55 Rating, Add	*6,599.35*	
		For Class 56 Rating, Add	*8,738.28*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,989.03	1,277.47
		For Class 52 Rating, Deduct	*-3,305.88*	
		For Class 54 Rating, Add	*4,531.25*	
		For Class 55 Rating, Add	*6,748.38*	
		For Class 56 Rating, Add	*8,935.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,726.79	1,521.14
		For Class 52 Rating, Deduct	*-926.42*	
		For Class 54 Rating, Add	*1,290.96*	
		For Class 55 Rating, Add	*1,933.43*	
		For Class 56 Rating, Add	*2,567.47*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,689.87	1,524.83
		For Class 52 Rating, Deduct	*-1,031.75*	
		For Class 54 Rating, Add	*1,434.65*	
		For Class 55 Rating, Add	*2,147.08*	
		For Class 56 Rating, Add	*2,850.13*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,652.94	1,528.53
		For Class 52 Rating, Deduct	*-1,137.07*	
		For Class 54 Rating, Add	*1,578.34*	
		For Class 55 Rating, Add	*2,360.73*	
		For Class 56 Rating, Add	*3,132.79*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,616.01	1,532.22
		For Class 52 Rating, Deduct	*-1,242.39*	
		For Class 54 Rating, Add	*1,722.03*	
		For Class 55 Rating, Add	*2,574.38*	
		For Class 56 Rating, Add	*3,415.44*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,579.08	1,535.91
		For Class 52 Rating, Deduct	*-1,347.71*	
		For Class 54 Rating, Add	*1,865.72*	
		For Class 55 Rating, Add	*2,788.03*	
		For Class 56 Rating, Add	*3,698.10*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,542.15	1,539.60
		For Class 52 Rating, Deduct	*-1,453.04*	
		For Class 54 Rating, Add	*2,009.41*	
		For Class 55 Rating, Add	*3,001.69*	
		For Class 56 Rating, Add	*3,980.76*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,505.22	1,543.30
		For Class 52 Rating, Deduct	*-1,558.36*	
		For Class 54 Rating, Add	*2,153.09*	
		For Class 55 Rating, Add	*3,215.34*	
		For Class 56 Rating, Add	*4,263.42*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,468.30	1,546.98
		For Class 52 Rating, Deduct	*-1,663.68*	
		For Class 54 Rating, Add	*2,296.78*	
		For Class 55 Rating, Add	*3,428.99*	
		For Class 56 Rating, Add	*4,546.07*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,431.37	1,550.68
		For Class 52 Rating, Deduct	*-1,769.00*	
		For Class 54 Rating, Add	*2,440.47*	
		For Class 55 Rating, Add	*3,642.64*	
		For Class 56 Rating, Add	*4,828.73*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,394.44	1,554.37
		For Class 52 Rating, Deduct	*-1,874.33*	
		For Class 54 Rating, Add	*2,584.16*	
		For Class 55 Rating, Add	*3,856.30*	
		For Class 56 Rating, Add	*5,111.39*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,357.51	1,558.06
		For Class 52 Rating, Deduct	*-1,979.65*	
		For Class 54 Rating, Add	*2,727.85*	
		For Class 55 Rating, Add	*4,069.95*	
		For Class 56 Rating, Add	*5,394.04*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,320.58	1,561.75
		For Class 52 Rating, Deduct	*-2,084.97*	
		For Class 54 Rating, Add	*2,871.54*	
		For Class 55 Rating, Add	*4,283.60*	
		For Class 56 Rating, Add	*5,676.70*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,283.65	1,565.45
		For Class 52 Rating, Deduct	*-2,190.29*	
		For Class 54 Rating, Add	*3,015.23*	
		For Class 55 Rating, Add	*4,497.25*	
		For Class 56 Rating, Add	*5,959.36*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,246.73	1,569.14
		For Class 52 Rating, Deduct	*-2,295.62*	
		For Class 54 Rating, Add	*3,158.92*	
		For Class 55 Rating, Add	*4,710.90*	
		For Class 56 Rating, Add	*6,242.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,209.81	1,572.83
		For Class 52 Rating, Deduct	*-2,400.94*	
		For Class 54 Rating, Add	*3,302.61*	
		For Class 55 Rating, Add	*4,924.55*	
		For Class 56 Rating, Add	*6,524.68*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,172.88	1,576.52
		For Class 52 Rating, Deduct	*-2,506.26*	
		For Class 54 Rating, Add	*3,446.30*	
		For Class 55 Rating, Add	*5,138.21*	
		For Class 56 Rating, Add	*6,807.33*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,135.95	1,580.22
		For Class 52 Rating, Deduct	*-2,611.58*	
		For Class 54 Rating, Add	*3,589.98*	
		For Class 55 Rating, Add	*5,351.86*	
		For Class 56 Rating, Add	*7,089.99*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,099.02	1,583.90
		For Class 52 Rating, Deduct	*-2,716.91*	
		For Class 54 Rating, Add	*3,733.67*	
		For Class 55 Rating, Add	*5,565.51*	
		For Class 56 Rating, Add	*7,372.65*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,062.09	1,587.60
		For Class 52 Rating, Deduct	*-2,822.23*	
		For Class 54 Rating, Add	*3,877.36*	
		For Class 55 Rating, Add	*5,779.16*	
		For Class 56 Rating, Add	*7,655.31*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,025.17	1,591.29
		For Class 52 Rating, Deduct	*-2,927.55*	
		For Class 54 Rating, Add	*4,021.05*	
		For Class 55 Rating, Add	*5,992.81*	
		For Class 56 Rating, Add	*7,937.96*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,988.24	1,594.99
		For Class 52 Rating, Deduct	*-3,032.88*	
		For Class 54 Rating, Add	*4,164.74*	
		For Class 55 Rating, Add	*6,206.47*	
		For Class 56 Rating, Add	*8,220.62*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,951.31	1,598.67
		For Class 52 Rating, Deduct	*-3,138.20*	
		For Class 54 Rating, Add	*4,308.43*	
		For Class 55 Rating, Add	*6,420.12*	
		For Class 56 Rating, Add	*8,503.28*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,914.39	1,602.37
		For Class 52 Rating, Deduct	*-3,243.52*	
		For Class 54 Rating, Add	*4,452.12*	
		For Class 55 Rating, Add	*6,633.77*	
		For Class 56 Rating, Add	*8,785.94*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,877.45	1,606.06
		For Class 52 Rating, Deduct	*-3,348.84*	
		For Class 54 Rating, Add	*4,595.81*	
		For Class 55 Rating, Add	*6,847.42*	
		For Class 56 Rating, Add	*9,068.59*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,840.52	1,609.75
		For Class 52 Rating, Deduct	*-3,454.17*	
		For Class 54 Rating, Add	*4,739.49*	
		For Class 55 Rating, Add	*7,061.07*	
		For Class 56 Rating, Add	*9,351.25*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,803.60	1,613.44
		For Class 52 Rating, Deduct	*-3,559.49*	
		For Class 54 Rating, Add	*4,883.18*	
		For Class 55 Rating, Add	*7,274.73*	
		For Class 56 Rating, Add	*9,633.91*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,766.67	1,617.14
		For Class 52 Rating, Deduct	*-3,664.81*	
		For Class 54 Rating, Add	*5,026.87*	
		For Class 55 Rating, Add	*7,488.38*	
		For Class 56 Rating, Add	*9,916.57*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,729.75	1,620.83
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,170.56*	
		For Class 55 Rating, Add	*7,702.03*	
		For Class 56 Rating, Add	*10,199.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,692.83	1,624.52
		For Class 52 Rating, Deduct	*-3,875.46*	
		For Class 54 Rating, Add	*5,314.25*	
		For Class 55 Rating, Add	*7,915.68*	
		For Class 56 Rating, Add	*10,481.88*	
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,655.89	1,628.21
		For Class 52 Rating, Deduct	*-3,980.78*	
		For Class 54 Rating, Add	*5,457.94*	
		For Class 55 Rating, Add	*8,129.33*	
		For Class 56 Rating, Add	*10,764.54*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,618.97	1,631.91
		For Class 52 Rating, Deduct	*-4,086.10*	
		For Class 54 Rating, Add	*5,601.63*	
		For Class 55 Rating, Add	*8,342.98*	
		For Class 56 Rating, Add	*11,047.20*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,582.04	1,635.59
		For Class 52 Rating, Deduct	*-4,191.42*	
		For Class 54 Rating, Add	*5,745.32*	
		For Class 55 Rating, Add	*8,556.64*	
		For Class 56 Rating, Add	*11,329.85*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,545.11	1,639.29
		For Class 52 Rating, Deduct	*-4,296.75*	
		For Class 54 Rating, Add	*5,889.01*	
		For Class 55 Rating, Add	*8,770.29*	
		For Class 56 Rating, Add	*11,612.51*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,508.19	1,642.98
		For Class 52 Rating, Deduct	*-4,402.07*	
		For Class 54 Rating, Add	*6,032.70*	
		For Class 55 Rating, Add	*8,983.94*	
		For Class 56 Rating, Add	*11,895.17*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,471.26	1,646.67
		For Class 52 Rating, Deduct	*-4,507.39*	
		For Class 54 Rating, Add	*6,176.38*	
		For Class 55 Rating, Add	*9,197.59*	
		For Class 56 Rating, Add	*12,177.83*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,828.74	1,927.27
		For Class 52 Rating, Deduct	*-1,309.95*	
		For Class 54 Rating, Add	*1,821.34*	
		For Class 55 Rating, Add	*2,725.71*	
		For Class 56 Rating, Add	*3,618.17*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,119.37	1,930.96
		For Class 52 Rating, Deduct	*-1,451.30*	
		For Class 54 Rating, Add	*2,014.16*	
		For Class 55 Rating, Add	*3,012.41*	
		For Class 56 Rating, Add	*3,997.46*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,410.01	1,934.66
		For Class 52 Rating, Deduct	*-1,592.66*	
		For Class 54 Rating, Add	*2,206.98*	
		For Class 55 Rating, Add	*3,299.10*	
		For Class 56 Rating, Add	*4,376.75*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,700.64	1,938.34
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,399.81*	
		For Class 55 Rating, Add	*3,585.80*	
		For Class 56 Rating, Add	*4,756.03*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,991.27	1,942.04
		For Class 52 Rating, Deduct	*-1,875.37*	
		For Class 54 Rating, Add	*2,592.63*	
		For Class 55 Rating, Add	*3,872.50*	
		For Class 56 Rating, Add	*5,135.32*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,281.90	1,945.73
		For Class 52 Rating, Deduct	*-2,016.72*	
		For Class 54 Rating, Add	*2,785.45*	
		For Class 55 Rating, Add	*4,159.20*	
		For Class 56 Rating, Add	*5,514.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,572.53	1,949.42
		For Class 52 Rating, Deduct	*-2,158.07*	
		For Class 54 Rating, Add	*2,978.27*	
		For Class 55 Rating, Add	*4,445.89*	
		For Class 56 Rating, Add	*5,893.90*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,863.17	1,953.11
		For Class 52 Rating, Deduct	*-2,299.43*	
		For Class 54 Rating, Add	*3,171.10*	
		For Class 55 Rating, Add	*4,732.59*	
		For Class 56 Rating, Add	*6,273.18*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,153.79	1,956.81
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,363.92*	
		For Class 55 Rating, Add	*5,019.29*	
		For Class 56 Rating, Add	*6,652.47*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,444.42	1,960.50
		For Class 52 Rating, Deduct	*-2,582.14*	
		For Class 54 Rating, Add	*3,556.74*	
		For Class 55 Rating, Add	*5,305.99*	
		For Class 56 Rating, Add	*7,031.76*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,735.06	1,964.19
		For Class 52 Rating, Deduct	*-2,723.49*	
		For Class 54 Rating, Add	*3,749.56*	
		For Class 55 Rating, Add	*5,592.68*	
		For Class 56 Rating, Add	*7,411.05*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,025.68	1,967.88
		For Class 52 Rating, Deduct	*-2,864.84*	
		For Class 54 Rating, Add	*3,942.39*	
		For Class 55 Rating, Add	*5,879.38*	
		For Class 56 Rating, Add	*7,790.33*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,316.31	1,971.58
		For Class 52 Rating, Deduct	*-3,006.20*	
		For Class 54 Rating, Add	*4,135.21*	
		For Class 55 Rating, Add	*6,166.08*	
		For Class 56 Rating, Add	*8,169.62*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,606.95	1,975.26
		For Class 52 Rating, Deduct	*-3,147.55*	
		For Class 54 Rating, Add	*4,328.03*	
		For Class 55 Rating, Add	*6,452.78*	
		For Class 56 Rating, Add	*8,548.91*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,897.57	1,978.96
		For Class 52 Rating, Deduct	*-3,288.91*	
		For Class 54 Rating, Add	*4,520.85*	
		For Class 55 Rating, Add	*6,739.47*	
		For Class 56 Rating, Add	*8,928.19*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,188.20	1,982.65
		For Class 52 Rating, Deduct	*-3,430.26*	
		For Class 54 Rating, Add	*4,713.68*	
		For Class 55 Rating, Add	*7,026.17*	
		For Class 56 Rating, Add	*9,307.48*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,478.85	1,986.35
		For Class 52 Rating, Deduct	*-3,571.62*	
		For Class 54 Rating, Add	*4,906.50*	
		For Class 55 Rating, Add	*7,312.87*	
		For Class 56 Rating, Add	*9,686.77*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,769.47	1,990.03
		For Class 52 Rating, Deduct	*-3,712.97*	
		For Class 54 Rating, Add	*5,099.32*	
		For Class 55 Rating, Add	*7,599.57*	
		For Class 56 Rating, Add	*10,066.05*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,060.10	1,993.73
		For Class 52 Rating, Deduct	*-3,854.32*	
		For Class 54 Rating, Add	*5,292.14*	
		For Class 55 Rating, Add	*7,886.26*	
		For Class 56 Rating, Add	*10,445.34*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,350.74	1,997.42
		For Class 52 Rating, Deduct	*-3,995.68*	
		For Class 54 Rating, Add	*5,484.97*	
		For Class 55 Rating, Add	*8,172.96*	
		For Class 56 Rating, Add	*10,824.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,641.36	2,001.11
		For Class 52 Rating, Deduct	*-4,137.03*	
		For Class 54 Rating, Add	*5,677.79*	
		For Class 55 Rating, Add	*8,459.66*	
		For Class 56 Rating, Add	*11,203.92*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,931.99	2,004.80
		For Class 52 Rating, Deduct	*-4,278.39*	
		For Class 54 Rating, Add	*5,870.61*	
		For Class 55 Rating, Add	*8,746.36*	
		For Class 56 Rating, Add	*11,583.20*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,222.63	2,008.50
		For Class 52 Rating, Deduct	*-4,419.74*	
		For Class 54 Rating, Add	*6,063.44*	
		For Class 55 Rating, Add	*9,033.05*	
		For Class 56 Rating, Add	*11,962.49*	
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,513.25	2,012.18
		For Class 52 Rating, Deduct	*-4,561.09*	
		For Class 54 Rating, Add	*6,256.26*	
		For Class 55 Rating, Add	*9,319.75*	
		For Class 56 Rating, Add	*12,341.78*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,803.88	2,015.88
		For Class 52 Rating, Deduct	*-4,702.45*	
		For Class 54 Rating, Add	*6,449.08*	
		For Class 55 Rating, Add	*9,606.45*	
		For Class 56 Rating, Add	*12,721.07*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,094.52	2,019.57
		For Class 52 Rating, Deduct	*-4,843.80*	
		For Class 54 Rating, Add	*6,641.90*	
		For Class 55 Rating, Add	*9,893.15*	
		For Class 56 Rating, Add	*13,100.35*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,385.14	2,023.27
		For Class 52 Rating, Deduct	*-4,985.15*	
		For Class 54 Rating, Add	*6,834.73*	
		For Class 55 Rating, Add	*10,179.84*	
		For Class 56 Rating, Add	*13,479.64*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,675.77	2,026.95
		For Class 52 Rating, Deduct	*-5,126.51*	
		For Class 54 Rating, Add	*7,027.55*	
		For Class 55 Rating, Add	*10,466.54*	
		For Class 56 Rating, Add	*13,858.93*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,966.41	2,030.65
		For Class 52 Rating, Deduct	*-5,267.86*	
		For Class 54 Rating, Add	*7,220.37*	
		For Class 55 Rating, Add	*10,753.24*	
		For Class 56 Rating, Add	*14,238.22*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,257.03	2,034.34
		For Class 52 Rating, Deduct	*-5,409.22*	
		For Class 54 Rating, Add	*7,413.19*	
		For Class 55 Rating, Add	*11,039.93*	
		For Class 56 Rating, Add	*14,617.50*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,547.67	2,038.03
		For Class 52 Rating, Deduct	*-5,550.57*	
		For Class 54 Rating, Add	*7,606.02*	
		For Class 55 Rating, Add	*11,326.63*	
		For Class 56 Rating, Add	*14,996.79*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,838.31	2,041.72
		For Class 52 Rating, Deduct	*-5,691.93*	
		For Class 54 Rating, Add	*7,798.84*	
		For Class 55 Rating, Add	*11,613.33*	
		For Class 56 Rating, Add	*15,376.08*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,128.94	2,045.42
		For Class 52 Rating, Deduct	*-5,833.28*	
		For Class 54 Rating, Add	*7,991.66*	
		For Class 55 Rating, Add	*11,900.03*	
		For Class 56 Rating, Add	*15,755.37*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,419.56	2,049.11
		For Class 52 Rating, Deduct	*-5,974.63*	
		For Class 54 Rating, Add	*8,184.48*	
		For Class 55 Rating, Add	*12,186.72*	
		For Class 56 Rating, Add	*16,134.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,710.20	2,052.80
		For Class 52 Rating, Deduct	*-6,115.99*	
		For Class 54 Rating, Add	*8,377.31*	
		For Class 55 Rating, Add	*12,473.42*	
		For Class 56 Rating, Add	*16,513.94*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	805.86	180.56
		For Class 52 Rating, Deduct	*-58.55*	
		For Class 54 Rating, Add	*83.12*	
		For Class 55 Rating, Add	*125.26*	
		For Class 56 Rating, Add	*166.87*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	930.33	183.72
		For Class 52 Rating, Deduct	*-71.72*	
		For Class 54 Rating, Add	*101.14*	
		For Class 55 Rating, Add	*152.07*	
		For Class 56 Rating, Add	*202.35*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,054.80	186.89
		For Class 52 Rating, Deduct	*-84.88*	
		For Class 54 Rating, Add	*119.15*	
		For Class 55 Rating, Add	*178.87*	
		For Class 56 Rating, Add	*237.83*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,179.27	190.03
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.16*	
		For Class 55 Rating, Add	*205.68*	
		For Class 56 Rating, Add	*273.31*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,303.73	193.20
		For Class 52 Rating, Deduct	*-111.21*	
		For Class 54 Rating, Add	*155.17*	
		For Class 55 Rating, Add	*232.48*	
		For Class 56 Rating, Add	*308.79*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,428.20	196.36
		For Class 52 Rating, Deduct	*-124.38*	
		For Class 54 Rating, Add	*173.18*	
		For Class 55 Rating, Add	*259.29*	
		For Class 56 Rating, Add	*344.27*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,552.66	199.52
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*191.19*	
		For Class 55 Rating, Add	*286.09*	
		For Class 56 Rating, Add	*379.75*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,677.14	202.66
		For Class 52 Rating, Deduct	*-150.71*	
		For Class 54 Rating, Add	*209.20*	
		For Class 55 Rating, Add	*312.90*	
		For Class 56 Rating, Add	*415.23*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,801.60	205.82
		For Class 52 Rating, Deduct	*-163.87*	
		For Class 54 Rating, Add	*227.21*	
		For Class 55 Rating, Add	*339.70*	
		For Class 56 Rating, Add	*450.71*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.08	208.98
		For Class 52 Rating, Deduct	*-177.04*	
		For Class 54 Rating, Add	*245.22*	
		For Class 55 Rating, Add	*366.51*	
		For Class 56 Rating, Add	*486.19*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,050.54	212.13
		For Class 52 Rating, Deduct	*-190.20*	
		For Class 54 Rating, Add	*263.23*	
		For Class 55 Rating, Add	*393.31*	
		For Class 56 Rating, Add	*521.66*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,175.01	215.29
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*281.24*	
		For Class 55 Rating, Add	*420.12*	
		For Class 56 Rating, Add	*557.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,299.47	218.45
		For Class 52 Rating, Deduct	*-216.54*	
		For Class 54 Rating, Add	*299.25*	
		For Class 55 Rating, Add	*446.92*	
		For Class 56 Rating, Add	*592.62*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,423.93	221.61
		For Class 52 Rating, Deduct	*-229.70*	
		For Class 54 Rating, Add	*317.26*	
		For Class 55 Rating, Add	*473.72*	
		For Class 56 Rating, Add	*628.10*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,548.41	224.76
		For Class 52 Rating, Deduct	*-242.87*	
		For Class 54 Rating, Add	*335.27*	
		For Class 55 Rating, Add	*500.53*	
		For Class 56 Rating, Add	*663.58*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,672.87	227.92
		For Class 52 Rating, Deduct	*-256.03*	
		For Class 54 Rating, Add	*353.28*	
		For Class 55 Rating, Add	*527.33*	
		For Class 56 Rating, Add	*699.06*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,797.35	231.08
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*371.29*	
		For Class 55 Rating, Add	*554.14*	
		For Class 56 Rating, Add	*734.54*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,921.81	234.23
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*389.30*	
		For Class 55 Rating, Add	*580.94*	
		For Class 56 Rating, Add	*770.02*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,046.28	237.38
		For Class 52 Rating, Deduct	*-295.53*	
		For Class 54 Rating, Add	*407.31*	
		For Class 55 Rating, Add	*607.75*	
		For Class 56 Rating, Add	*805.50*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,170.75	240.54
		For Class 52 Rating, Deduct	*-308.69*	
		For Class 54 Rating, Add	*425.32*	
		For Class 55 Rating, Add	*634.55*	
		For Class 56 Rating, Add	*840.98*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,295.21	243.70
		For Class 52 Rating, Deduct	*-321.86*	
		For Class 54 Rating, Add	*443.33*	
		For Class 55 Rating, Add	*661.36*	
		For Class 56 Rating, Add	*876.46*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,419.68	246.85
		For Class 52 Rating, Deduct	*-335.02*	
		For Class 54 Rating, Add	*461.34*	
		For Class 55 Rating, Add	*688.16*	
		For Class 56 Rating, Add	*911.93*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,544.15	250.01
		For Class 52 Rating, Deduct	*-348.19*	
		For Class 54 Rating, Add	*479.35*	
		For Class 55 Rating, Add	*714.96*	
		For Class 56 Rating, Add	*947.42*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,668.61	253.17
		For Class 52 Rating, Deduct	*-361.35*	
		For Class 54 Rating, Add	*497.36*	
		For Class 55 Rating, Add	*741.77*	
		For Class 56 Rating, Add	*982.89*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,101.75	256.32
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*561.67*	
		For Class 55 Rating, Add	*837.40*	
		For Class 56 Rating, Add	*1,109.43*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,226.21	259.48
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*579.68*	
		For Class 55 Rating, Add	*864.21*	
		For Class 56 Rating, Add	*1,144.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,350.69	262.64
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*597.69*	
		For Class 55 Rating, Add	*891.01*	
		For Class 56 Rating, Add	*1,180.39*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,475.15	265.80
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*615.70*	
		For Class 55 Rating, Add	*917.82*	
		For Class 56 Rating, Add	*1,215.86*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,599.62	268.95
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*633.71*	
		For Class 55 Rating, Add	*944.62*	
		For Class 56 Rating, Add	*1,251.35*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,724.08	272.11
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*651.72*	
		For Class 55 Rating, Add	*971.43*	
		For Class 56 Rating, Add	*1,286.82*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,848.55	275.27
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*669.73*	
		For Class 55 Rating, Add	*998.23*	
		For Class 56 Rating, Add	*1,322.30*	
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,973.02	278.44
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*687.74*	
		For Class 55 Rating, Add	*1,025.04*	
		For Class 56 Rating, Add	*1,357.78*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,097.49	281.57
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*705.75*	
		For Class 55 Rating, Add	*1,051.84*	
		For Class 56 Rating, Add	*1,393.26*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,221.96	284.74
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*723.76*	
		For Class 55 Rating, Add	*1,078.64*	
		For Class 56 Rating, Add	*1,428.74*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,346.43	287.90
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*741.77*	
		For Class 55 Rating, Add	*1,105.45*	
		For Class 56 Rating, Add	*1,464.22*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,470.89	291.05
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*759.78*	
		For Class 55 Rating, Add	*1,132.25*	
		For Class 56 Rating, Add	*1,499.70*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,595.36	294.21
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*777.79*	
		For Class 55 Rating, Add	*1,159.06*	
		For Class 56 Rating, Add	*1,535.18*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,719.82	297.37
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*795.80*	
		For Class 55 Rating, Add	*1,185.86*	
		For Class 56 Rating, Add	*1,570.66*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,844.30	300.53
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*813.81*	
		For Class 55 Rating, Add	*1,212.67*	
		For Class 56 Rating, Add	*1,606.14*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	990.04	227.29
		For Class 52 Rating, Deduct	*-71.02*	
		For Class 54 Rating, Add	*100.98*	
		For Class 55 Rating, Add	*152.25*	
		For Class 56 Rating, Add	*202.87*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,133.40	230.45
		For Class 52 Rating, Deduct	*-86.27*	
		For Class 54 Rating, Add	*121.83*	
		For Class 55 Rating, Add	*183.27*	
		For Class 56 Rating, Add	*243.92*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,276.77	233.60
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*142.67*	
		For Class 55 Rating, Add	*214.29*	
		For Class 56 Rating, Add	*284.98*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,420.14	236.76
		For Class 52 Rating, Deduct	*-116.76*	
		For Class 54 Rating, Add	*163.52*	
		For Class 55 Rating, Add	*245.31*	
		For Class 56 Rating, Add	*326.03*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,563.51	239.92
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*184.36*	
		For Class 55 Rating, Add	*276.32*	
		For Class 56 Rating, Add	*367.09*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,706.87	243.07
		For Class 52 Rating, Deduct	*-147.24*	
		For Class 54 Rating, Add	*205.21*	
		For Class 55 Rating, Add	*307.34*	
		For Class 56 Rating, Add	*408.14*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,850.22	246.23
		For Class 52 Rating, Deduct	*-162.49*	
		For Class 54 Rating, Add	*226.05*	
		For Class 55 Rating, Add	*338.36*	
		For Class 56 Rating, Add	*449.19*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,993.59	249.39
		For Class 52 Rating, Deduct	*-177.73*	
		For Class 54 Rating, Add	*246.90*	
		For Class 55 Rating, Add	*369.38*	
		For Class 56 Rating, Add	*490.25*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,136.96	252.55
		For Class 52 Rating, Deduct	*-192.98*	
		For Class 54 Rating, Add	*267.74*	
		For Class 55 Rating, Add	*400.40*	
		For Class 56 Rating, Add	*531.30*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,280.33	255.69
		For Class 52 Rating, Deduct	*-208.22*	
		For Class 54 Rating, Add	*288.59*	
		For Class 55 Rating, Add	*431.42*	
		For Class 56 Rating, Add	*572.36*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,423.69	258.85
		For Class 52 Rating, Deduct	*-223.46*	
		For Class 54 Rating, Add	*309.43*	
		For Class 55 Rating, Add	*462.44*	
		For Class 56 Rating, Add	*613.41*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,567.06	262.01
		For Class 52 Rating, Deduct	*-238.71*	
		For Class 54 Rating, Add	*330.27*	
		For Class 55 Rating, Add	*493.45*	
		For Class 56 Rating, Add	*654.46*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,710.43	265.16
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*351.12*	
		For Class 55 Rating, Add	*524.47*	
		For Class 56 Rating, Add	*695.52*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,853.79	268.32
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*371.96*	
		For Class 55 Rating, Add	*555.49*	
		For Class 56 Rating, Add	*736.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,997.15	271.48
		For Class 52 Rating, Deduct	*-284.44*	
		For Class 54 Rating, Add	*392.81*	
		For Class 55 Rating, Add	*586.51*	
		For Class 56 Rating, Add	*777.62*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,140.51	274.64
		For Class 52 Rating, Deduct	*-299.68*	
		For Class 54 Rating, Add	*413.65*	
		For Class 55 Rating, Add	*617.53*	
		For Class 56 Rating, Add	*818.68*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,283.89	277.79
		For Class 52 Rating, Deduct	*-314.93*	
		For Class 54 Rating, Add	*434.50*	
		For Class 55 Rating, Add	*648.55*	
		For Class 56 Rating, Add	*859.73*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,427.25	280.95
		For Class 52 Rating, Deduct	*-330.17*	
		For Class 54 Rating, Add	*455.34*	
		For Class 55 Rating, Add	*679.57*	
		For Class 56 Rating, Add	*900.79*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,570.61	284.11
		For Class 52 Rating, Deduct	*-345.42*	
		For Class 54 Rating, Add	*476.19*	
		For Class 55 Rating, Add	*710.58*	
		For Class 56 Rating, Add	*941.84*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,713.98	287.27
		For Class 52 Rating, Deduct	*-360.66*	
		For Class 54 Rating, Add	*497.03*	
		For Class 55 Rating, Add	*741.60*	
		For Class 56 Rating, Add	*982.89*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,857.35	290.42
		For Class 52 Rating, Deduct	*-375.91*	
		For Class 54 Rating, Add	*517.88*	
		For Class 55 Rating, Add	*772.62*	
		For Class 56 Rating, Add	*1,023.95*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,000.72	293.57
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*538.72*	
		For Class 55 Rating, Add	*803.64*	
		For Class 56 Rating, Add	*1,065.00*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,144.07	296.73
		For Class 52 Rating, Deduct	*-406.39*	
		For Class 54 Rating, Add	*559.57*	
		For Class 55 Rating, Add	*834.66*	
		For Class 56 Rating, Add	*1,106.06*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,287.44	299.88
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*580.41*	
		For Class 55 Rating, Add	*865.68*	
		For Class 56 Rating, Add	*1,147.11*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,430.81	303.04
		For Class 52 Rating, Deduct	*-436.88*	
		For Class 54 Rating, Add	*601.26*	
		For Class 55 Rating, Add	*896.70*	
		For Class 56 Rating, Add	*1,188.17*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,574.17	306.20
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*622.10*	
		For Class 55 Rating, Add	*927.72*	
		For Class 56 Rating, Add	*1,229.22*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,717.54	309.37
		For Class 52 Rating, Deduct	*-467.37*	
		For Class 54 Rating, Add	*642.95*	
		For Class 55 Rating, Add	*958.73*	
		For Class 56 Rating, Add	*1,270.27*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,860.90	312.51
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*663.79*	
		For Class 55 Rating, Add	*989.75*	
		For Class 56 Rating, Add	*1,311.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,004.28	315.67
		For Class 52 Rating, Deduct	*-497.86*	
		For Class 54 Rating, Add	*684.64*	
		For Class 55 Rating, Add	*1,020.77*	
		For Class 56 Rating, Add	*1,352.38*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,147.64	318.84
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*705.48*	
		For Class 55 Rating, Add	*1,051.79*	
		For Class 56 Rating, Add	*1,393.44*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,290.99	321.98
		For Class 52 Rating, Deduct	*-528.35*	
		For Class 54 Rating, Add	*726.33*	
		For Class 55 Rating, Add	*1,082.81*	
		For Class 56 Rating, Add	*1,434.49*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,434.36	325.15
		For Class 52 Rating, Deduct	*-543.59*	
		For Class 54 Rating, Add	*747.17*	
		For Class 55 Rating, Add	*1,113.83*	
		For Class 56 Rating, Add	*1,475.54*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,577.72	328.31
		For Class 52 Rating, Deduct	*-558.83*	
		For Class 54 Rating, Add	*768.01*	
		For Class 55 Rating, Add	*1,144.84*	
		For Class 56 Rating, Add	*1,516.60*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,721.10	331.47
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*788.86*	
		For Class 55 Rating, Add	*1,175.87*	
		For Class 56 Rating, Add	*1,557.65*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,864.46	334.61
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*809.70*	
		For Class 55 Rating, Add	*1,206.88*	
		For Class 56 Rating, Add	*1,598.71*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,007.83	337.77
		For Class 52 Rating, Deduct	*-604.57*	
		For Class 54 Rating, Add	*830.55*	
		For Class 55 Rating, Add	*1,237.90*	
		For Class 56 Rating, Add	*1,639.76*	
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,151.19	340.93
		For Class 52 Rating, Deduct	*-619.81*	
		For Class 54 Rating, Add	*851.39*	
		For Class 55 Rating, Add	*1,268.92*	
		For Class 56 Rating, Add	*1,680.81*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,294.56	344.08
		For Class 52 Rating, Deduct	*-635.05*	
		For Class 54 Rating, Add	*872.24*	
		For Class 55 Rating, Add	*1,299.94*	
		For Class 56 Rating, Add	*1,721.87*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,437.92	347.24
		For Class 52 Rating, Deduct	*-650.30*	
		For Class 54 Rating, Add	*893.08*	
		For Class 55 Rating, Add	*1,330.96*	
		For Class 56 Rating, Add	*1,762.92*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,350.26	290.42
		For Class 52 Rating, Deduct	*-100.13*	
		For Class 54 Rating, Add	*141.81*	
		For Class 55 Rating, Add	*213.54*	
		For Class 56 Rating, Add	*284.36*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,534.58	293.57
		For Class 52 Rating, Deduct	*-119.87*	
		For Class 54 Rating, Add	*168.80*	
		For Class 55 Rating, Add	*253.69*	
		For Class 56 Rating, Add	*337.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,718.88	296.73
		For Class 52 Rating, Deduct	*-139.62*	
		For Class 54 Rating, Add	*195.79*	
		For Class 55 Rating, Add	*293.84*	
		For Class 56 Rating, Add	*390.63*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,903.20	299.88
		For Class 52 Rating, Deduct	*-159.37*	
		For Class 54 Rating, Add	*222.78*	
		For Class 55 Rating, Add	*333.99*	
		For Class 56 Rating, Add	*443.76*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,087.50	303.04
		For Class 52 Rating, Deduct	*-179.12*	
		For Class 54 Rating, Add	*249.76*	
		For Class 55 Rating, Add	*374.14*	
		For Class 56 Rating, Add	*496.89*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,271.81	306.20
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*276.75*	
		For Class 55 Rating, Add	*414.29*	
		For Class 56 Rating, Add	*550.02*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,456.13	309.37
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*303.73*	
		For Class 55 Rating, Add	*454.44*	
		For Class 56 Rating, Add	*603.16*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,640.43	312.51
		For Class 52 Rating, Deduct	*-238.36*	
		For Class 54 Rating, Add	*330.72*	
		For Class 55 Rating, Add	*494.59*	
		For Class 56 Rating, Add	*656.29*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,824.75	315.67
		For Class 52 Rating, Deduct	*-258.11*	
		For Class 54 Rating, Add	*357.71*	
		For Class 55 Rating, Add	*534.74*	
		For Class 56 Rating, Add	*709.42*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,009.06	318.84
		For Class 52 Rating, Deduct	*-277.86*	
		For Class 54 Rating, Add	*384.69*	
		For Class 55 Rating, Add	*574.89*	
		For Class 56 Rating, Add	*762.55*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,193.36	321.98
		For Class 52 Rating, Deduct	*-297.61*	
		For Class 54 Rating, Add	*411.68*	
		For Class 55 Rating, Add	*615.04*	
		For Class 56 Rating, Add	*815.69*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,377.67	325.15
		For Class 52 Rating, Deduct	*-317.35*	
		For Class 54 Rating, Add	*438.67*	
		For Class 55 Rating, Add	*655.19*	
		For Class 56 Rating, Add	*868.82*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,561.98	328.31
		For Class 52 Rating, Deduct	*-337.10*	
		For Class 54 Rating, Add	*465.65*	
		For Class 55 Rating, Add	*695.33*	
		For Class 56 Rating, Add	*921.95*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,746.30	331.47
		For Class 52 Rating, Deduct	*-356.85*	
		For Class 54 Rating, Add	*492.64*	
		For Class 55 Rating, Add	*735.49*	
		For Class 56 Rating, Add	*975.09*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,930.61	334.61
		For Class 52 Rating, Deduct	*-376.60*	
		For Class 54 Rating, Add	*519.63*	
		For Class 55 Rating, Add	*775.64*	
		For Class 56 Rating, Add	*1,028.22*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,114.92	337.77
		For Class 52 Rating, Deduct	*-396.35*	
		For Class 54 Rating, Add	*546.61*	
		For Class 55 Rating, Add	*815.78*	
		For Class 56 Rating, Add	*1,081.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,299.23	340.93
		For Class 52 Rating, Deduct	*-416.09*	
		For Class 54 Rating, Add	*573.60*	
		For Class 55 Rating, Add	*855.93*	
		For Class 56 Rating, Add	*1,134.48*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,483.54	344.08
		For Class 52 Rating, Deduct	*-435.84*	
		For Class 54 Rating, Add	*600.59*	
		For Class 55 Rating, Add	*896.08*	
		For Class 56 Rating, Add	*1,187.62*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,667.84	347.24
		For Class 52 Rating, Deduct	*-455.59*	
		For Class 54 Rating, Add	*627.57*	
		For Class 55 Rating, Add	*936.23*	
		For Class 56 Rating, Add	*1,240.75*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,852.15	350.40
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*654.56*	
		For Class 55 Rating, Add	*976.38*	
		For Class 56 Rating, Add	*1,293.88*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,036.47	353.56
		For Class 52 Rating, Deduct	*-495.09*	
		For Class 54 Rating, Add	*681.55*	
		For Class 55 Rating, Add	*1,016.53*	
		For Class 56 Rating, Add	*1,347.01*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,220.78	356.71
		For Class 52 Rating, Deduct	*-514.83*	
		For Class 54 Rating, Add	*708.53*	
		For Class 55 Rating, Add	*1,056.68*	
		For Class 56 Rating, Add	*1,400.15*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,405.08	359.87
		For Class 52 Rating, Deduct	*-534.58*	
		For Class 54 Rating, Add	*735.52*	
		For Class 55 Rating, Add	*1,096.83*	
		For Class 56 Rating, Add	*1,453.28*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,589.40	363.03
		For Class 52 Rating, Deduct	*-554.33*	
		For Class 54 Rating, Add	*762.50*	
		For Class 55 Rating, Add	*1,136.98*	
		For Class 56 Rating, Add	*1,506.41*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,773.71	366.19
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*789.49*	
		For Class 55 Rating, Add	*1,177.13*	
		For Class 56 Rating, Add	*1,559.55*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,958.02	369.33
		For Class 52 Rating, Deduct	*-593.83*	
		For Class 54 Rating, Add	*816.48*	
		For Class 55 Rating, Add	*1,217.28*	
		For Class 56 Rating, Add	*1,612.68*	
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,142.33	372.49
		For Class 52 Rating, Deduct	*-613.57*	
		For Class 54 Rating, Add	*843.46*	
		For Class 55 Rating, Add	*1,257.43*	
		For Class 56 Rating, Add	*1,665.81*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,326.64	375.65
		For Class 52 Rating, Deduct	*-633.32*	
		For Class 54 Rating, Add	*870.45*	
		For Class 55 Rating, Add	*1,297.58*	
		For Class 56 Rating, Add	*1,718.94*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,510.95	378.80
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*897.44*	
		For Class 55 Rating, Add	*1,337.73*	
		For Class 56 Rating, Add	*1,772.08*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,695.25	381.96
		For Class 52 Rating, Deduct	*-672.82*	
		For Class 54 Rating, Add	*924.42*	
		For Class 55 Rating, Add	*1,377.87*	
		For Class 56 Rating, Add	*1,825.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,879.57	385.12
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*951.41*	
		For Class 55 Rating, Add	*1,418.02*	
		For Class 56 Rating, Add	*1,878.34*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,063.88	388.28
		For Class 52 Rating, Deduct	*-712.31*	
		For Class 54 Rating, Add	*978.40*	
		For Class 55 Rating, Add	*1,458.17*	
		For Class 56 Rating, Add	*1,931.47*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,248.19	391.43
		For Class 52 Rating, Deduct	*-732.06*	
		For Class 54 Rating, Add	*1,005.38*	
		For Class 55 Rating, Add	*1,498.32*	
		For Class 56 Rating, Add	*1,984.61*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,432.50	394.59
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,032.37*	
		For Class 55 Rating, Add	*1,538.47*	
		For Class 56 Rating, Add	*2,037.74*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,616.81	397.75
		For Class 52 Rating, Deduct	*-771.56*	
		For Class 54 Rating, Add	*1,059.36*	
		For Class 55 Rating, Add	*1,578.62*	
		For Class 56 Rating, Add	*2,090.87*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,801.12	400.90
		For Class 52 Rating, Deduct	*-791.31*	
		For Class 54 Rating, Add	*1,086.34*	
		For Class 55 Rating, Add	*1,618.77*	
		For Class 56 Rating, Add	*2,144.01*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,985.42	404.06
		For Class 52 Rating, Deduct	*-811.05*	
		For Class 54 Rating, Add	*1,113.33*	
		For Class 55 Rating, Add	*1,658.92*	
		For Class 56 Rating, Add	*2,197.14*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,169.74	407.23
		For Class 52 Rating, Deduct	*-830.80*	
		For Class 54 Rating, Add	*1,140.32*	
		For Class 55 Rating, Add	*1,699.07*	
		For Class 56 Rating, Add	*2,250.27*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,354.05	410.39
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,167.30*	
		For Class 55 Rating, Add	*1,739.22*	
		For Class 56 Rating, Add	*2,303.40*	

40 05 19 00-3203 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,704.19	353.56
		For Class 52 Rating, Deduct	*-128.54*	
		For Class 54 Rating, Add	*181.70*	
		For Class 55 Rating, Add	*273.43*	
		For Class 56 Rating, Add	*363.99*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,942.04	356.71
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*216.72*	
		For Class 55 Rating, Add	*325.52*	
		For Class 56 Rating, Add	*432.92*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,179.89	359.87
		For Class 52 Rating, Deduct	*-179.81*	
		For Class 54 Rating, Add	*251.74*	
		For Class 55 Rating, Add	*377.61*	
		For Class 56 Rating, Add	*501.85*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,417.75	363.03
		For Class 52 Rating, Deduct	*-205.45*	
		For Class 54 Rating, Add	*286.76*	
		For Class 55 Rating, Add	*429.70*	
		For Class 56 Rating, Add	*570.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,655.60	366.19
		For Class 52 Rating, Deduct	*-231.09*	
		For Class 54 Rating, Add	*321.77*	
		For Class 55 Rating, Add	*481.79*	
		For Class 56 Rating, Add	*639.70*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,893.46	369.33
		For Class 52 Rating, Deduct	*-256.72*	
		For Class 54 Rating, Add	*356.79*	
		For Class 55 Rating, Add	*533.88*	
		For Class 56 Rating, Add	*708.63*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,131.31	372.49
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*391.81*	
		For Class 55 Rating, Add	*585.97*	
		For Class 56 Rating, Add	*777.56*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,369.16	375.65
		For Class 52 Rating, Deduct	*-308.00*	
		For Class 54 Rating, Add	*426.83*	
		For Class 55 Rating, Add	*638.06*	
		For Class 56 Rating, Add	*846.49*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,607.01	378.80
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*461.85*	
		For Class 55 Rating, Add	*690.15*	
		For Class 56 Rating, Add	*915.41*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,844.87	381.96
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*496.87*	
		For Class 55 Rating, Add	*742.24*	
		For Class 56 Rating, Add	*984.35*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,082.73	385.12
		For Class 52 Rating, Deduct	*-384.91*	
		For Class 54 Rating, Add	*531.88*	
		For Class 55 Rating, Add	*794.33*	
		For Class 56 Rating, Add	*1,053.27*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,320.58	388.28
		For Class 52 Rating, Deduct	*-410.55*	
		For Class 54 Rating, Add	*566.90*	
		For Class 55 Rating, Add	*846.42*	
		For Class 56 Rating, Add	*1,122.20*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,558.44	391.43
		For Class 52 Rating, Deduct	*-436.19*	
		For Class 54 Rating, Add	*601.92*	
		For Class 55 Rating, Add	*898.51*	
		For Class 56 Rating, Add	*1,191.13*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,796.29	394.59
		For Class 52 Rating, Deduct	*-461.83*	
		For Class 54 Rating, Add	*636.94*	
		For Class 55 Rating, Add	*950.60*	
		For Class 56 Rating, Add	*1,260.06*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,034.14	397.75
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*671.96*	
		For Class 55 Rating, Add	*1,002.69*	
		For Class 56 Rating, Add	*1,328.98*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,271.99	400.90
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*706.97*	
		For Class 55 Rating, Add	*1,054.78*	
		For Class 56 Rating, Add	*1,397.91*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,509.84	404.06
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*741.99*	
		For Class 55 Rating, Add	*1,106.86*	
		For Class 56 Rating, Add	*1,466.84*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,747.70	407.23
		For Class 52 Rating, Deduct	*-564.38*	
		For Class 54 Rating, Add	*777.01*	
		For Class 55 Rating, Add	*1,158.95*	
		For Class 56 Rating, Add	*1,535.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,985.55	410.39
		For Class 52 Rating, Deduct	*-590.01*	
		For Class 54 Rating, Add	*812.03*	
		For Class 55 Rating, Add	*1,211.04*	
		For Class 56 Rating, Add	*1,604.70*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,223.41	413.52
		For Class 52 Rating, Deduct	*-615.65*	
		For Class 54 Rating, Add	*847.04*	
		For Class 55 Rating, Add	*1,263.13*	
		For Class 56 Rating, Add	*1,673.62*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,461.26	416.69
		For Class 52 Rating, Deduct	*-641.29*	
		For Class 54 Rating, Add	*882.06*	
		For Class 55 Rating, Add	*1,315.22*	
		For Class 56 Rating, Add	*1,742.55*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,699.11	419.85
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*917.08*	
		For Class 55 Rating, Add	*1,367.31*	
		For Class 56 Rating, Add	*1,811.48*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,936.97	423.00
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*952.10*	
		For Class 55 Rating, Add	*1,419.40*	
		For Class 56 Rating, Add	*1,880.41*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,174.81	426.16
		For Class 52 Rating, Deduct	*-718.20*	
		For Class 54 Rating, Add	*987.12*	
		For Class 55 Rating, Add	*1,471.49*	
		For Class 56 Rating, Add	*1,949.34*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,412.67	429.32
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,022.13*	
		For Class 55 Rating, Add	*1,523.58*	
		For Class 56 Rating, Add	*2,018.26*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,650.52	432.48
		For Class 52 Rating, Deduct	*-769.48*	
		For Class 54 Rating, Add	*1,057.15*	
		For Class 55 Rating, Add	*1,575.67*	
		For Class 56 Rating, Add	*2,087.19*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,888.37	435.63
		For Class 52 Rating, Deduct	*-795.12*	
		For Class 54 Rating, Add	*1,092.17*	
		For Class 55 Rating, Add	*1,627.76*	
		For Class 56 Rating, Add	*2,156.12*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,126.23	438.79
		For Class 52 Rating, Deduct	*-820.75*	
		For Class 54 Rating, Add	*1,127.19*	
		For Class 55 Rating, Add	*1,679.85*	
		For Class 56 Rating, Add	*2,225.05*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,364.08	441.95
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,162.21*	
		For Class 55 Rating, Add	*1,731.94*	
		For Class 56 Rating, Add	*2,293.97*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,601.94	445.11
		For Class 52 Rating, Deduct	*-872.03*	
		For Class 54 Rating, Add	*1,197.22*	
		For Class 55 Rating, Add	*1,784.03*	
		For Class 56 Rating, Add	*2,362.90*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,839.79	448.25
		For Class 52 Rating, Deduct	*-897.67*	
		For Class 54 Rating, Add	*1,232.24*	
		For Class 55 Rating, Add	*1,836.12*	
		For Class 56 Rating, Add	*2,431.83*	
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,077.64	451.41
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,267.26*	
		For Class 55 Rating, Add	*1,888.21*	
		For Class 56 Rating, Add	*2,500.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,315.49	454.57
		For Class 52 Rating, Deduct	*-948.94*	
		For Class 54 Rating, Add	*1,302.28*	
		For Class 55 Rating, Add	*1,940.30*	
		For Class 56 Rating, Add	*2,569.69*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,553.34	457.72
		For Class 52 Rating, Deduct	*-974.58*	
		For Class 54 Rating, Add	*1,337.30*	
		For Class 55 Rating, Add	*1,992.38*	
		For Class 56 Rating, Add	*2,638.61*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,791.21	460.88
		For Class 52 Rating, Deduct	*-1,000.22*	
		For Class 54 Rating, Add	*1,372.31*	
		For Class 55 Rating, Add	*2,044.48*	
		For Class 56 Rating, Add	*2,707.54*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,029.06	464.04
		For Class 52 Rating, Deduct	*-1,025.86*	
		For Class 54 Rating, Add	*1,407.33*	
		For Class 55 Rating, Add	*2,096.57*	
		For Class 56 Rating, Add	*2,776.47*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,266.92	467.20
		For Class 52 Rating, Deduct	*-1,051.49*	
		For Class 54 Rating, Add	*1,442.35*	
		For Class 55 Rating, Add	*2,148.66*	
		For Class 56 Rating, Add	*2,845.40*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,504.77	470.35
		For Class 52 Rating, Deduct	*-1,077.13*	
		For Class 54 Rating, Add	*1,477.37*	
		For Class 55 Rating, Add	*2,200.74*	
		For Class 56 Rating, Add	*2,914.33*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,742.62	473.51
		For Class 52 Rating, Deduct	*-1,102.77*	
		For Class 54 Rating, Add	*1,512.39*	
		For Class 55 Rating, Add	*2,252.83*	
		For Class 56 Rating, Add	*2,983.26*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.91	441.95
		For Class 52 Rating, Deduct	*-169.76*	
		For Class 54 Rating, Add	*239.53*	
		For Class 55 Rating, Add	*360.23*	
		For Class 56 Rating, Add	*479.38*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,507.47	445.11
		For Class 52 Rating, Deduct	*-201.64*	
		For Class 54 Rating, Add	*283.05*	
		For Class 55 Rating, Add	*424.96*	
		For Class 56 Rating, Add	*565.03*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,802.01	448.25
		For Class 52 Rating, Deduct	*-233.51*	
		For Class 54 Rating, Add	*326.57*	
		For Class 55 Rating, Add	*489.69*	
		For Class 56 Rating, Add	*650.69*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,096.55	451.41
		For Class 52 Rating, Deduct	*-265.38*	
		For Class 54 Rating, Add	*370.10*	
		For Class 55 Rating, Add	*554.42*	
		For Class 56 Rating, Add	*736.34*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,391.10	454.57
		For Class 52 Rating, Deduct	*-297.26*	
		For Class 54 Rating, Add	*413.62*	
		For Class 55 Rating, Add	*619.16*	
		For Class 56 Rating, Add	*821.99*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,685.64	457.72
		For Class 52 Rating, Deduct	*-329.13*	
		For Class 54 Rating, Add	*457.14*	
		For Class 55 Rating, Add	*683.89*	
		For Class 56 Rating, Add	*907.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,980.19	460.88
		For Class 52 Rating, Deduct	*-361.01*	
		For Class 54 Rating, Add	*500.66*	
		For Class 55 Rating, Add	*748.62*	
		For Class 56 Rating, Add	*993.29*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,274.74	464.04
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*544.18*	
		For Class 55 Rating, Add	*813.35*	
		For Class 56 Rating, Add	*1,078.95*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,569.29	467.20
		For Class 52 Rating, Deduct	*-424.76*	
		For Class 54 Rating, Add	*587.71*	
		For Class 55 Rating, Add	*878.08*	
		For Class 56 Rating, Add	*1,164.60*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,863.83	470.35
		For Class 52 Rating, Deduct	*-456.63*	
		For Class 54 Rating, Add	*631.23*	
		For Class 55 Rating, Add	*942.81*	
		For Class 56 Rating, Add	*1,250.25*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,158.38	473.51
		For Class 52 Rating, Deduct	*-488.50*	
		For Class 54 Rating, Add	*674.75*	
		For Class 55 Rating, Add	*1,007.55*	
		For Class 56 Rating, Add	*1,335.91*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,452.92	476.67
		For Class 52 Rating, Deduct	*-520.38*	
		For Class 54 Rating, Add	*718.27*	
		For Class 55 Rating, Add	*1,072.28*	
		For Class 56 Rating, Add	*1,421.56*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,747.46	479.82
		For Class 52 Rating, Deduct	*-552.25*	
		For Class 54 Rating, Add	*761.79*	
		For Class 55 Rating, Add	*1,137.01*	
		For Class 56 Rating, Add	*1,507.21*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,042.02	482.98
		For Class 52 Rating, Deduct	*-584.13*	
		For Class 54 Rating, Add	*805.32*	
		For Class 55 Rating, Add	*1,201.74*	
		For Class 56 Rating, Add	*1,592.86*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,336.56	486.14
		For Class 52 Rating, Deduct	*-616.00*	
		For Class 54 Rating, Add	*848.84*	
		For Class 55 Rating, Add	*1,266.48*	
		For Class 56 Rating, Add	*1,678.51*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,631.11	489.29
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*892.36*	
		For Class 55 Rating, Add	*1,331.21*	
		For Class 56 Rating, Add	*1,764.17*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,925.66	492.44
		For Class 52 Rating, Deduct	*-679.75*	
		For Class 54 Rating, Add	*935.88*	
		For Class 55 Rating, Add	*1,395.94*	
		For Class 56 Rating, Add	*1,849.82*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,220.20	495.60
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*979.40*	
		For Class 55 Rating, Add	*1,460.67*	
		For Class 56 Rating, Add	*1,935.47*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,514.75	498.77
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,022.92*	
		For Class 55 Rating, Add	*1,525.40*	
		For Class 56 Rating, Add	*2,021.12*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,809.28	501.91
		For Class 52 Rating, Deduct	*-775.37*	
		For Class 54 Rating, Add	*1,066.45*	
		For Class 55 Rating, Add	*1,590.13*	
		For Class 56 Rating, Add	*2,106.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,103.84	505.08
		For Class 52 Rating, Deduct	*-807.24*	
		For Class 54 Rating, Add	*1,109.97*	
		For Class 55 Rating, Add	*1,654.87*	
		For Class 56 Rating, Add	*2,192.43*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,398.38	508.24
		For Class 52 Rating, Deduct	*-839.12*	
		For Class 54 Rating, Add	*1,153.49*	
		For Class 55 Rating, Add	*1,719.60*	
		For Class 56 Rating, Add	*2,278.08*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,692.92	511.40
		For Class 52 Rating, Deduct	*-870.99*	
		For Class 54 Rating, Add	*1,197.01*	
		For Class 55 Rating, Add	*1,784.33*	
		For Class 56 Rating, Add	*2,363.73*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,987.48	514.55
		For Class 52 Rating, Deduct	*-902.86*	
		For Class 54 Rating, Add	*1,240.53*	
		For Class 55 Rating, Add	*1,849.06*	
		For Class 56 Rating, Add	*2,449.39*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,282.02	517.71
		For Class 52 Rating, Deduct	*-934.74*	
		For Class 54 Rating, Add	*1,284.06*	
		For Class 55 Rating, Add	*1,913.79*	
		For Class 56 Rating, Add	*2,535.04*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,576.57	520.87
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,327.58*	
		For Class 55 Rating, Add	*1,978.53*	
		For Class 56 Rating, Add	*2,620.69*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,871.12	524.03
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,371.10*	
		For Class 55 Rating, Add	*2,043.26*	
		For Class 56 Rating, Add	*2,706.34*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,165.67	527.17
		For Class 52 Rating, Deduct	*-1,030.36*	
		For Class 54 Rating, Add	*1,414.62*	
		For Class 55 Rating, Add	*2,107.99*	
		For Class 56 Rating, Add	*2,791.99*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,460.20	530.33
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,458.14*	
		For Class 55 Rating, Add	*2,172.72*	
		For Class 56 Rating, Add	*2,877.64*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,754.75	533.49
		For Class 52 Rating, Deduct	*-1,094.11*	
		For Class 54 Rating, Add	*1,501.67*	
		For Class 55 Rating, Add	*2,237.46*	
		For Class 56 Rating, Add	*2,963.30*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,049.30	536.64
		For Class 52 Rating, Deduct	*-1,125.98*	
		For Class 54 Rating, Add	*1,545.19*	
		For Class 55 Rating, Add	*2,302.19*	
		For Class 56 Rating, Add	*3,048.95*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,343.84	539.80
		For Class 52 Rating, Deduct	*-1,157.86*	
		For Class 54 Rating, Add	*1,588.71*	
		For Class 55 Rating, Add	*2,366.92*	
		For Class 56 Rating, Add	*3,134.60*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,638.40	542.96
		For Class 52 Rating, Deduct	*-1,189.73*	
		For Class 54 Rating, Add	*1,632.23*	
		For Class 55 Rating, Add	*2,431.65*	
		For Class 56 Rating, Add	*3,220.26*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,932.94	546.12
		For Class 52 Rating, Deduct	*-1,221.60*	
		For Class 54 Rating, Add	*1,675.75*	
		For Class 55 Rating, Add	*2,496.38*	
		For Class 56 Rating, Add	*3,305.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,227.48	549.27
		For Class 52 Rating, Deduct	*-1,253.48*	
		For Class 54 Rating, Add	*1,719.27*	
		For Class 55 Rating, Add	*2,561.11*	
		For Class 56 Rating, Add	*3,391.56*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,522.04	552.43
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,762.80*	
		For Class 55 Rating, Add	*2,625.85*	
		For Class 56 Rating, Add	*3,477.21*	
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,816.57	555.59
		For Class 52 Rating, Deduct	*-1,317.23*	
		For Class 54 Rating, Add	*1,806.32*	
		For Class 55 Rating, Add	*2,690.58*	
		For Class 56 Rating, Add	*3,562.86*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,111.12	558.74
		For Class 52 Rating, Deduct	*-1,349.10*	
		For Class 54 Rating, Add	*1,849.84*	
		For Class 55 Rating, Add	*2,755.31*	
		For Class 56 Rating, Add	*3,648.52*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,405.67	561.90
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,893.36*	
		For Class 55 Rating, Add	*2,820.04*	
		For Class 56 Rating, Add	*3,734.17*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,979.90	530.33
		For Class 52 Rating, Deduct	*-239.40*	
		For Class 54 Rating, Add	*336.10*	
		For Class 55 Rating, Add	*504.62*	
		For Class 56 Rating, Add	*670.96*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,337.44	533.49
		For Class 52 Rating, Deduct	*-278.20*	
		For Class 54 Rating, Add	*389.07*	
		For Class 55 Rating, Add	*583.40*	
		For Class 56 Rating, Add	*775.19*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,694.98	536.64
		For Class 52 Rating, Deduct	*-317.01*	
		For Class 54 Rating, Add	*442.04*	
		For Class 55 Rating, Add	*662.17*	
		For Class 56 Rating, Add	*879.43*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,052.52	539.80
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*495.01*	
		For Class 55 Rating, Add	*740.95*	
		For Class 56 Rating, Add	*983.66*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,410.06	542.96
		For Class 52 Rating, Deduct	*-394.61*	
		For Class 54 Rating, Add	*547.98*	
		For Class 55 Rating, Add	*819.73*	
		For Class 56 Rating, Add	*1,087.90*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,767.60	546.12
		For Class 52 Rating, Deduct	*-433.42*	
		For Class 54 Rating, Add	*600.95*	
		For Class 55 Rating, Add	*898.51*	
		For Class 56 Rating, Add	*1,192.13*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,125.13	549.27
		For Class 52 Rating, Deduct	*-472.22*	
		For Class 54 Rating, Add	*653.92*	
		For Class 55 Rating, Add	*977.29*	
		For Class 56 Rating, Add	*1,296.37*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,482.68	552.43
		For Class 52 Rating, Deduct	*-511.02*	
		For Class 54 Rating, Add	*706.89*	
		For Class 55 Rating, Add	*1,056.07*	
		For Class 56 Rating, Add	*1,400.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,840.21	555.59
		For Class 52 Rating, Deduct	*-549.83*	
		For Class 54 Rating, Add	*759.86*	
		For Class 55 Rating, Add	*1,134.85*	
		For Class 56 Rating, Add	*1,504.84*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,197.75	558.74
		For Class 52 Rating, Deduct	*-588.63*	
		For Class 54 Rating, Add	*812.83*	
		For Class 55 Rating, Add	*1,213.63*	
		For Class 56 Rating, Add	*1,609.07*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,555.29	561.90
		For Class 52 Rating, Deduct	*-627.43*	
		For Class 54 Rating, Add	*865.81*	
		For Class 55 Rating, Add	*1,292.41*	
		For Class 56 Rating, Add	*1,713.31*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,912.83	565.06
		For Class 52 Rating, Deduct	*-666.23*	
		For Class 54 Rating, Add	*918.78*	
		For Class 55 Rating, Add	*1,371.19*	
		For Class 56 Rating, Add	*1,817.54*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,270.37	568.21
		For Class 52 Rating, Deduct	*-705.04*	
		For Class 54 Rating, Add	*971.75*	
		For Class 55 Rating, Add	*1,449.97*	
		For Class 56 Rating, Add	*1,921.78*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,627.90	571.36
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,024.72*	
		For Class 55 Rating, Add	*1,528.75*	
		For Class 56 Rating, Add	*2,026.01*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,985.45	574.52
		For Class 52 Rating, Deduct	*-782.64*	
		For Class 54 Rating, Add	*1,077.69*	
		For Class 55 Rating, Add	*1,607.53*	
		For Class 56 Rating, Add	*2,130.25*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,342.98	577.68
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,130.66*	
		For Class 55 Rating, Add	*1,686.30*	
		For Class 56 Rating, Add	*2,234.48*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,700.52	580.83
		For Class 52 Rating, Deduct	*-860.25*	
		For Class 54 Rating, Add	*1,183.63*	
		For Class 55 Rating, Add	*1,765.08*	
		For Class 56 Rating, Add	*2,338.72*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,058.05	583.99
		For Class 52 Rating, Deduct	*-899.05*	
		For Class 54 Rating, Add	*1,236.60*	
		For Class 55 Rating, Add	*1,843.86*	
		For Class 56 Rating, Add	*2,442.95*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,415.59	587.15
		For Class 52 Rating, Deduct	*-937.86*	
		For Class 54 Rating, Add	*1,289.57*	
		For Class 55 Rating, Add	*1,922.64*	
		For Class 56 Rating, Add	*2,547.19*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,773.13	590.32
		For Class 52 Rating, Deduct	*-976.66*	
		For Class 54 Rating, Add	*1,342.54*	
		For Class 55 Rating, Add	*2,001.42*	
		For Class 56 Rating, Add	*2,651.42*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,130.67	593.46
		For Class 52 Rating, Deduct	*-1,015.46*	
		For Class 54 Rating, Add	*1,395.51*	
		For Class 55 Rating, Add	*2,080.20*	
		For Class 56 Rating, Add	*2,755.66*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,488.21	596.63
		For Class 52 Rating, Deduct	*-1,054.27*	
		For Class 54 Rating, Add	*1,448.48*	
		For Class 55 Rating, Add	*2,158.98*	
		For Class 56 Rating, Add	*2,859.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,845.75	599.79
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,501.45*	
		For Class 55 Rating, Add	*2,237.76*	
		For Class 56 Rating, Add	*2,964.13*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,203.29	602.95
		For Class 52 Rating, Deduct	*-1,131.87*	
		For Class 54 Rating, Add	*1,554.42*	
		For Class 55 Rating, Add	*2,316.54*	
		For Class 56 Rating, Add	*3,068.36*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,560.82	606.09
		For Class 52 Rating, Deduct	*-1,170.68*	
		For Class 54 Rating, Add	*1,607.39*	
		For Class 55 Rating, Add	*2,395.32*	
		For Class 56 Rating, Add	*3,172.60*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,918.35	609.25
		For Class 52 Rating, Deduct	*-1,209.48*	
		For Class 54 Rating, Add	*1,660.36*	
		For Class 55 Rating, Add	*2,474.10*	
		For Class 56 Rating, Add	*3,276.83*	
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,275.90	612.41
		For Class 52 Rating, Deduct	*-1,248.28*	
		For Class 54 Rating, Add	*1,713.34*	
		For Class 55 Rating, Add	*2,552.88*	
		For Class 56 Rating, Add	*3,381.07*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,633.43	615.56
		For Class 52 Rating, Deduct	*-1,287.08*	
		For Class 54 Rating, Add	*1,766.31*	
		For Class 55 Rating, Add	*2,631.65*	
		For Class 56 Rating, Add	*3,485.30*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,990.98	618.72
		For Class 52 Rating, Deduct	*-1,325.89*	
		For Class 54 Rating, Add	*1,819.28*	
		For Class 55 Rating, Add	*2,710.43*	
		For Class 56 Rating, Add	*3,589.54*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,348.51	621.88
		For Class 52 Rating, Deduct	*-1,364.69*	
		For Class 54 Rating, Add	*1,872.25*	
		For Class 55 Rating, Add	*2,789.21*	
		For Class 56 Rating, Add	*3,693.77*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,706.05	625.04
		For Class 52 Rating, Deduct	*-1,403.49*	
		For Class 54 Rating, Add	*1,925.22*	
		For Class 55 Rating, Add	*2,867.99*	
		For Class 56 Rating, Add	*3,798.01*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,063.59	628.19
		For Class 52 Rating, Deduct	*-1,442.30*	
		For Class 54 Rating, Add	*1,978.19*	
		For Class 55 Rating, Add	*2,946.77*	
		For Class 56 Rating, Add	*3,902.24*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,421.12	631.35
		For Class 52 Rating, Deduct	*-1,481.10*	
		For Class 54 Rating, Add	*2,031.16*	
		For Class 55 Rating, Add	*3,025.55*	
		For Class 56 Rating, Add	*4,006.48*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,778.67	634.51
		For Class 52 Rating, Deduct	*-1,519.90*	
		For Class 54 Rating, Add	*2,084.13*	
		For Class 55 Rating, Add	*3,104.33*	
		For Class 56 Rating, Add	*4,110.71*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,136.20	637.66
		For Class 52 Rating, Deduct	*-1,558.71*	
		For Class 54 Rating, Add	*2,137.10*	
		For Class 55 Rating, Add	*3,183.11*	
		For Class 56 Rating, Add	*4,214.95*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,493.75	640.82
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,190.07*	
		For Class 55 Rating, Add	*3,261.89*	
		For Class 56 Rating, Add	*4,319.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,851.28	643.97
		For Class 52 Rating, Deduct	*-1,636.31*	
		For Class 54 Rating, Add	*2,243.04*	
		For Class 55 Rating, Add	*3,340.67*	
		For Class 56 Rating, Add	*4,423.42*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,208.82	647.13
		For Class 52 Rating, Deduct	*-1,675.12*	
		For Class 54 Rating, Add	*2,296.01*	
		For Class 55 Rating, Add	*3,419.45*	
		For Class 56 Rating, Add	*4,527.65*	

40 05 19 00-3322 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,485.24	606.09
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*396.06*	
		For Class 55 Rating, Add	*594.46*	
		For Class 56 Rating, Add	*790.30*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,899.47	609.25
		For Class 52 Rating, Deduct	*-327.40*	
		For Class 54 Rating, Add	*457.53*	
		For Class 55 Rating, Add	*685.88*	
		For Class 56 Rating, Add	*911.26*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,313.71	612.41
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*519.01*	
		For Class 55 Rating, Add	*777.31*	
		For Class 56 Rating, Add	*1,032.22*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,727.94	615.56
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*580.48*	
		For Class 55 Rating, Add	*868.73*	
		For Class 56 Rating, Add	*1,153.18*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,142.18	618.72
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*641.96*	
		For Class 55 Rating, Add	*960.15*	
		For Class 56 Rating, Add	*1,274.14*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,556.40	621.88
		For Class 52 Rating, Deduct	*-507.56*	
		For Class 54 Rating, Add	*703.43*	
		For Class 55 Rating, Add	*1,051.57*	
		For Class 56 Rating, Add	*1,395.10*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,970.63	625.04
		For Class 52 Rating, Deduct	*-552.60*	
		For Class 54 Rating, Add	*764.91*	
		For Class 55 Rating, Add	*1,142.99*	
		For Class 56 Rating, Add	*1,516.06*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,384.87	628.19
		For Class 52 Rating, Deduct	*-597.64*	
		For Class 54 Rating, Add	*826.38*	
		For Class 55 Rating, Add	*1,234.42*	
		For Class 56 Rating, Add	*1,637.02*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,799.09	631.35
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*887.86*	
		For Class 55 Rating, Add	*1,325.84*	
		For Class 56 Rating, Add	*1,757.98*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.33	634.51
		For Class 52 Rating, Deduct	*-687.72*	
		For Class 54 Rating, Add	*949.33*	
		For Class 55 Rating, Add	*1,417.26*	
		For Class 56 Rating, Add	*1,878.94*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,627.55	637.66
		For Class 52 Rating, Deduct	*-732.75*	
		For Class 54 Rating, Add	*1,010.80*	
		For Class 55 Rating, Add	*1,508.68*	
		For Class 56 Rating, Add	*1,999.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,041.79	640.82
		For Class 52 Rating, Deduct	*-777.79*	
		For Class 54 Rating, Add	*1,072.28*	
		For Class 55 Rating, Add	*1,600.10*	
		For Class 56 Rating, Add	*2,120.85*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,456.02	643.97
		For Class 52 Rating, Deduct	*-822.83*	
		For Class 54 Rating, Add	*1,133.75*	
		For Class 55 Rating, Add	*1,691.52*	
		For Class 56 Rating, Add	*2,241.81*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,870.25	647.13
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,195.23*	
		For Class 55 Rating, Add	*1,782.95*	
		For Class 56 Rating, Add	*2,362.77*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,284.49	650.28
		For Class 52 Rating, Deduct	*-912.91*	
		For Class 54 Rating, Add	*1,256.70*	
		For Class 55 Rating, Add	*1,874.37*	
		For Class 56 Rating, Add	*2,483.73*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,698.71	653.44
		For Class 52 Rating, Deduct	*-957.95*	
		For Class 54 Rating, Add	*1,318.18*	
		For Class 55 Rating, Add	*1,965.79*	
		For Class 56 Rating, Add	*2,604.69*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,112.94	656.60
		For Class 52 Rating, Deduct	*-1,002.99*	
		For Class 54 Rating, Add	*1,379.65*	
		For Class 55 Rating, Add	*2,057.21*	
		For Class 56 Rating, Add	*2,725.65*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,527.17	659.75
		For Class 52 Rating, Deduct	*-1,048.03*	
		For Class 54 Rating, Add	*1,441.13*	
		For Class 55 Rating, Add	*2,148.63*	
		For Class 56 Rating, Add	*2,846.61*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,941.40	662.91
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,502.60*	
		For Class 55 Rating, Add	*2,240.05*	
		For Class 56 Rating, Add	*2,967.57*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,355.64	666.07
		For Class 52 Rating, Deduct	*-1,138.11*	
		For Class 54 Rating, Add	*1,564.08*	
		For Class 55 Rating, Add	*2,331.48*	
		For Class 56 Rating, Add	*3,088.53*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,769.86	669.23
		For Class 52 Rating, Deduct	*-1,183.15*	
		For Class 54 Rating, Add	*1,625.55*	
		For Class 55 Rating, Add	*2,422.90*	
		For Class 56 Rating, Add	*3,209.49*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,184.10	672.38
		For Class 52 Rating, Deduct	*-1,228.19*	
		For Class 54 Rating, Add	*1,687.02*	
		For Class 55 Rating, Add	*2,514.32*	
		For Class 56 Rating, Add	*3,330.45*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,598.33	675.54
		For Class 52 Rating, Deduct	*-1,273.23*	
		For Class 54 Rating, Add	*1,748.50*	
		For Class 55 Rating, Add	*2,605.74*	
		For Class 56 Rating, Add	*3,451.41*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,012.57	678.71
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,809.97*	
		For Class 55 Rating, Add	*2,697.16*	
		For Class 56 Rating, Add	*3,572.37*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,426.79	681.87
		For Class 52 Rating, Deduct	*-1,363.30*	
		For Class 54 Rating, Add	*1,871.45*	
		For Class 55 Rating, Add	*2,788.59*	
		For Class 56 Rating, Add	*3,693.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,841.01	685.00
		For Class 52 Rating, Deduct	*-1,408.34*	
		For Class 54 Rating, Add	*1,932.92*	
		For Class 55 Rating, Add	*2,880.01*	
		For Class 56 Rating, Add	*3,814.28*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,255.25	688.17
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,994.40*	
		For Class 55 Rating, Add	*2,971.43*	
		For Class 56 Rating, Add	*3,935.24*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,669.48	691.33
		For Class 52 Rating, Deduct	*-1,498.42*	
		For Class 54 Rating, Add	*2,055.87*	
		For Class 55 Rating, Add	*3,062.85*	
		For Class 56 Rating, Add	*4,056.20*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,083.72	694.48
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,117.35*	
		For Class 55 Rating, Add	*3,154.27*	
		For Class 56 Rating, Add	*4,177.16*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,497.95	697.64
		For Class 52 Rating, Deduct	*-1,588.50*	
		For Class 54 Rating, Add	*2,178.82*	
		For Class 55 Rating, Add	*3,245.69*	
		For Class 56 Rating, Add	*4,298.12*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,912.17	700.80
		For Class 52 Rating, Deduct	*-1,633.54*	
		For Class 54 Rating, Add	*2,240.30*	
		For Class 55 Rating, Add	*3,337.11*	
		For Class 56 Rating, Add	*4,419.08*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,326.41	703.96
		For Class 52 Rating, Deduct	*-1,678.58*	
		For Class 54 Rating, Add	*2,301.77*	
		For Class 55 Rating, Add	*3,428.54*	
		For Class 56 Rating, Add	*4,540.04*	
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,740.64	707.11
		For Class 52 Rating, Deduct	*-1,723.62*	
		For Class 54 Rating, Add	*2,363.25*	
		For Class 55 Rating, Add	*3,519.96*	
		For Class 56 Rating, Add	*4,661.00*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,154.87	710.27
		For Class 52 Rating, Deduct	*-1,768.66*	
		For Class 54 Rating, Add	*2,424.72*	
		For Class 55 Rating, Add	*3,611.38*	
		For Class 56 Rating, Add	*4,781.96*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,569.10	713.43
		For Class 52 Rating, Deduct	*-1,813.70*	
		For Class 54 Rating, Add	*2,486.20*	
		For Class 55 Rating, Add	*3,702.80*	
		For Class 56 Rating, Add	*4,902.92*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,983.32	716.58
		For Class 52 Rating, Deduct	*-1,858.74*	
		For Class 54 Rating, Add	*2,547.67*	
		For Class 55 Rating, Add	*3,794.22*	
		For Class 56 Rating, Add	*5,023.88*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,397.56	719.74
		For Class 52 Rating, Deduct	*-1,903.78*	
		For Class 54 Rating, Add	*2,609.14*	
		For Class 55 Rating, Add	*3,885.64*	
		For Class 56 Rating, Add	*5,144.84*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,811.79	722.89
		For Class 52 Rating, Deduct	*-1,948.82*	
		For Class 54 Rating, Add	*2,670.62*	
		For Class 55 Rating, Add	*3,977.07*	
		For Class 56 Rating, Add	*5,265.80*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,042.90	683.12
		For Class 52 Rating, Deduct	*-330.87*	
		For Class 54 Rating, Add	*463.60*	
		For Class 55 Rating, Add	*695.60*	
		For Class 56 Rating, Add	*924.58*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,520.12	686.28
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*534.52*	
		For Class 55 Rating, Add	*801.06*	
		For Class 56 Rating, Add	*1,064.12*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,997.34	689.42
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*605.45*	
		For Class 55 Rating, Add	*906.53*	
		For Class 56 Rating, Add	*1,203.67*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,474.57	692.58
		For Class 52 Rating, Deduct	*-486.77*	
		For Class 54 Rating, Add	*676.37*	
		For Class 55 Rating, Add	*1,012.00*	
		For Class 56 Rating, Add	*1,343.21*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,951.79	695.75
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*747.29*	
		For Class 55 Rating, Add	*1,117.47*	
		For Class 56 Rating, Add	*1,482.75*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,429.02	698.89
		For Class 52 Rating, Deduct	*-590.71*	
		For Class 54 Rating, Add	*818.22*	
		For Class 55 Rating, Add	*1,222.94*	
		For Class 56 Rating, Add	*1,622.29*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,906.24	702.05
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*889.14*	
		For Class 55 Rating, Add	*1,328.41*	
		For Class 56 Rating, Add	*1,761.83*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,383.46	705.22
		For Class 52 Rating, Deduct	*-694.64*	
		For Class 54 Rating, Add	*960.06*	
		For Class 55 Rating, Add	*1,433.88*	
		For Class 56 Rating, Add	*1,901.38*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,860.68	708.38
		For Class 52 Rating, Deduct	*-746.61*	
		For Class 54 Rating, Add	*1,030.99*	
		For Class 55 Rating, Add	*1,539.35*	
		For Class 56 Rating, Add	*2,040.92*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,337.90	711.53
		For Class 52 Rating, Deduct	*-798.58*	
		For Class 54 Rating, Add	*1,101.91*	
		For Class 55 Rating, Add	*1,644.82*	
		For Class 56 Rating, Add	*2,180.46*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,815.13	714.69
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,172.83*	
		For Class 55 Rating, Add	*1,750.28*	
		For Class 56 Rating, Add	*2,320.00*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,292.35	717.85
		For Class 52 Rating, Deduct	*-902.52*	
		For Class 54 Rating, Add	*1,243.76*	
		For Class 55 Rating, Add	*1,855.75*	
		For Class 56 Rating, Add	*2,459.54*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,769.58	721.00
		For Class 52 Rating, Deduct	*-954.49*	
		For Class 54 Rating, Add	*1,314.68*	
		For Class 55 Rating, Add	*1,961.22*	
		For Class 56 Rating, Add	*2,599.09*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,246.80	724.16
		For Class 52 Rating, Deduct	*-1,006.45*	
		For Class 54 Rating, Add	*1,385.61*	
		For Class 55 Rating, Add	*2,066.69*	
		For Class 56 Rating, Add	*2,738.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,724.02	727.32
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,456.53*	
		For Class 55 Rating, Add	*2,172.16*	
		For Class 56 Rating, Add	*2,878.17*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,201.25	730.48
		For Class 52 Rating, Deduct	*-1,110.39*	
		For Class 54 Rating, Add	*1,527.45*	
		For Class 55 Rating, Add	*2,277.63*	
		For Class 56 Rating, Add	*3,017.71*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,678.47	733.62
		For Class 52 Rating, Deduct	*-1,162.36*	
		For Class 54 Rating, Add	*1,598.38*	
		For Class 55 Rating, Add	*2,383.10*	
		For Class 56 Rating, Add	*3,157.25*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,155.69	736.78
		For Class 52 Rating, Deduct	*-1,214.33*	
		For Class 54 Rating, Add	*1,669.30*	
		For Class 55 Rating, Add	*2,488.57*	
		For Class 56 Rating, Add	*3,296.80*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,632.91	739.94
		For Class 52 Rating, Deduct	*-1,266.30*	
		For Class 54 Rating, Add	*1,740.22*	
		For Class 55 Rating, Add	*2,594.04*	
		For Class 56 Rating, Add	*3,436.34*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,110.13	743.09
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,811.15*	
		For Class 55 Rating, Add	*2,699.50*	
		For Class 56 Rating, Add	*3,575.88*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,587.36	746.25
		For Class 52 Rating, Deduct	*-1,370.23*	
		For Class 54 Rating, Add	*1,882.07*	
		For Class 55 Rating, Add	*2,804.97*	
		For Class 56 Rating, Add	*3,715.42*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,064.58	749.41
		For Class 52 Rating, Deduct	*-1,422.20*	
		For Class 54 Rating, Add	*1,952.99*	
		For Class 55 Rating, Add	*2,910.44*	
		For Class 56 Rating, Add	*3,854.96*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,541.81	752.57
		For Class 52 Rating, Deduct	*-1,474.17*	
		For Class 54 Rating, Add	*2,023.92*	
		For Class 55 Rating, Add	*3,015.91*	
		For Class 56 Rating, Add	*3,994.51*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,019.03	755.72
		For Class 52 Rating, Deduct	*-1,526.14*	
		For Class 54 Rating, Add	*2,094.84*	
		For Class 55 Rating, Add	*3,121.38*	
		For Class 56 Rating, Add	*4,134.05*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,496.26	758.88
		For Class 52 Rating, Deduct	*-1,578.11*	
		For Class 54 Rating, Add	*2,165.76*	
		For Class 55 Rating, Add	*3,226.85*	
		For Class 56 Rating, Add	*4,273.59*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,973.47	762.04
		For Class 52 Rating, Deduct	*-1,630.08*	
		For Class 54 Rating, Add	*2,236.69*	
		For Class 55 Rating, Add	*3,332.32*	
		For Class 56 Rating, Add	*4,413.13*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,450.69	765.20
		For Class 52 Rating, Deduct	*-1,682.04*	
		For Class 54 Rating, Add	*2,307.61*	
		For Class 55 Rating, Add	*3,437.79*	
		For Class 56 Rating, Add	*4,552.67*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,927.92	768.34
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,378.53*	
		For Class 55 Rating, Add	*3,543.26*	
		For Class 56 Rating, Add	*4,692.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,405.14	771.50
		For Class 52 Rating, Deduct	*-1,785.98*	
		For Class 54 Rating, Add	*2,449.46*	
		For Class 55 Rating, Add	*3,648.73*	
		For Class 56 Rating, Add	*4,831.76*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,882.37	774.66
		For Class 52 Rating, Deduct	*-1,837.95*	
		For Class 54 Rating, Add	*2,520.38*	
		For Class 55 Rating, Add	*3,754.19*	
		For Class 56 Rating, Add	*4,971.30*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,359.59	777.81
		For Class 52 Rating, Deduct	*-1,889.92*	
		For Class 54 Rating, Add	*2,591.30*	
		For Class 55 Rating, Add	*3,859.66*	
		For Class 56 Rating, Add	*5,110.84*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,836.81	780.97
		For Class 52 Rating, Deduct	*-1,941.89*	
		For Class 54 Rating, Add	*2,662.23*	
		For Class 55 Rating, Add	*3,965.13*	
		For Class 56 Rating, Add	*5,250.38*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,314.04	784.13
		For Class 52 Rating, Deduct	*-1,993.85*	
		For Class 54 Rating, Add	*2,733.15*	
		For Class 55 Rating, Add	*4,070.60*	
		For Class 56 Rating, Add	*5,389.93*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,791.25	787.30
		For Class 52 Rating, Deduct	*-2,045.82*	
		For Class 54 Rating, Add	*2,804.07*	
		For Class 55 Rating, Add	*4,176.07*	
		For Class 56 Rating, Add	*5,529.47*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,268.48	790.44
		For Class 52 Rating, Deduct	*-2,097.79*	
		For Class 54 Rating, Add	*2,875.00*	
		For Class 55 Rating, Add	*4,281.54*	
		For Class 56 Rating, Add	*5,669.01*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,745.70	793.61
		For Class 52 Rating, Deduct	*-2,149.76*	
		For Class 54 Rating, Add	*2,945.92*	
		For Class 55 Rating, Add	*4,387.01*	
		For Class 56 Rating, Add	*5,808.55*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,222.93	796.77
		For Class 52 Rating, Deduct	*-2,201.73*	
		For Class 54 Rating, Add	*3,016.84*	
		For Class 55 Rating, Add	*4,492.48*	
		For Class 56 Rating, Add	*5,948.09*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,700.15	799.91
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,087.77*	
		For Class 55 Rating, Add	*4,597.95*	
		For Class 56 Rating, Add	*6,087.64*	

40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,708.94	779.72
		For Class 52 Rating, Deduct	*-388.03*	
		For Class 54 Rating, Add	*543.31*	
		For Class 55 Rating, Add	*815.00*	
		For Class 56 Rating, Add	*1,083.16*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,252.30	782.88
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*624.15*	
		For Class 55 Rating, Add	*935.22*	
		For Class 56 Rating, Add	*1,242.21*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,795.67	786.03
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*705.00*	
		For Class 55 Rating, Add	*1,055.44*	
		For Class 56 Rating, Add	*1,401.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,339.03	789.19
		For Class 52 Rating, Deduct	*-565.76*	
		For Class 54 Rating, Add	*785.84*	
		For Class 55 Rating, Add	*1,175.65*	
		For Class 56 Rating, Add	*1,560.32*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,882.39	792.35
		For Class 52 Rating, Deduct	*-625.01*	
		For Class 54 Rating, Add	*866.69*	
		For Class 55 Rating, Add	*1,295.87*	
		For Class 56 Rating, Add	*1,719.37*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,425.76	795.50
		For Class 52 Rating, Deduct	*-684.25*	
		For Class 54 Rating, Add	*947.53*	
		For Class 55 Rating, Add	*1,416.09*	
		For Class 56 Rating, Add	*1,878.43*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,969.12	798.65
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,028.38*	
		For Class 55 Rating, Add	*1,536.31*	
		For Class 56 Rating, Add	*2,037.48*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,512.49	801.81
		For Class 52 Rating, Deduct	*-802.74*	
		For Class 54 Rating, Add	*1,109.22*	
		For Class 55 Rating, Add	*1,656.53*	
		For Class 56 Rating, Add	*2,196.53*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,055.85	804.97
		For Class 52 Rating, Deduct	*-861.98*	
		For Class 54 Rating, Add	*1,190.07*	
		For Class 55 Rating, Add	*1,776.74*	
		For Class 56 Rating, Add	*2,355.59*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,599.23	808.12
		For Class 52 Rating, Deduct	*-921.23*	
		For Class 54 Rating, Add	*1,270.91*	
		For Class 55 Rating, Add	*1,896.96*	
		For Class 56 Rating, Add	*2,514.64*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,142.58	811.28
		For Class 52 Rating, Deduct	*-980.47*	
		For Class 54 Rating, Add	*1,351.76*	
		For Class 55 Rating, Add	*2,017.18*	
		For Class 56 Rating, Add	*2,673.70*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,685.94	814.44
		For Class 52 Rating, Deduct	*-1,039.71*	
		For Class 54 Rating, Add	*1,432.60*	
		For Class 55 Rating, Add	*2,137.40*	
		For Class 56 Rating, Add	*2,832.75*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,229.31	817.59
		For Class 52 Rating, Deduct	*-1,098.96*	
		For Class 54 Rating, Add	*1,513.44*	
		For Class 55 Rating, Add	*2,257.62*	
		For Class 56 Rating, Add	*2,991.80*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,772.67	820.75
		For Class 52 Rating, Deduct	*-1,158.20*	
		For Class 54 Rating, Add	*1,594.29*	
		For Class 55 Rating, Add	*2,377.84*	
		For Class 56 Rating, Add	*3,150.86*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,316.04	823.91
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,675.13*	
		For Class 55 Rating, Add	*2,498.06*	
		For Class 56 Rating, Add	*3,309.91*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,859.41	827.07
		For Class 52 Rating, Deduct	*-1,276.69*	
		For Class 54 Rating, Add	*1,755.98*	
		For Class 55 Rating, Add	*2,618.28*	
		For Class 56 Rating, Add	*3,468.97*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,402.77	830.22
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,836.82*	
		For Class 55 Rating, Add	*2,738.49*	
		For Class 56 Rating, Add	*3,628.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,946.14	833.38
		For Class 52 Rating, Deduct	*-1,395.18*	
		For Class 54 Rating, Add	*1,917.67*	
		For Class 55 Rating, Add	*2,858.71*	
		For Class 56 Rating, Add	*3,787.07*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,489.49	836.54
		For Class 52 Rating, Deduct	*-1,454.42*	
		For Class 54 Rating, Add	*1,998.51*	
		For Class 55 Rating, Add	*2,978.93*	
		For Class 56 Rating, Add	*3,946.12*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,032.86	839.70
		For Class 52 Rating, Deduct	*-1,513.67*	
		For Class 54 Rating, Add	*2,079.36*	
		For Class 55 Rating, Add	*3,099.15*	
		For Class 56 Rating, Add	*4,105.18*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,576.22	842.84
		For Class 52 Rating, Deduct	*-1,572.91*	
		For Class 54 Rating, Add	*2,160.20*	
		For Class 55 Rating, Add	*3,219.37*	
		For Class 56 Rating, Add	*4,264.23*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,119.60	846.00
		For Class 52 Rating, Deduct	*-1,632.15*	
		For Class 54 Rating, Add	*2,241.05*	
		For Class 55 Rating, Add	*3,339.59*	
		For Class 56 Rating, Add	*4,423.29*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,662.96	849.16
		For Class 52 Rating, Deduct	*-1,691.40*	
		For Class 54 Rating, Add	*2,321.89*	
		For Class 55 Rating, Add	*3,459.80*	
		For Class 56 Rating, Add	*4,582.34*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,206.32	852.31
		For Class 52 Rating, Deduct	*-1,750.64*	
		For Class 54 Rating, Add	*2,402.74*	
		For Class 55 Rating, Add	*3,580.02*	
		For Class 56 Rating, Add	*4,741.39*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,749.69	855.47
		For Class 52 Rating, Deduct	*-1,809.89*	
		For Class 54 Rating, Add	*2,483.58*	
		For Class 55 Rating, Add	*3,700.24*	
		For Class 56 Rating, Add	*4,900.45*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,293.05	858.63
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,564.43*	
		For Class 55 Rating, Add	*3,820.46*	
		For Class 56 Rating, Add	*5,059.50*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,836.41	861.80
		For Class 52 Rating, Deduct	*-1,928.37*	
		For Class 54 Rating, Add	*2,645.27*	
		For Class 55 Rating, Add	*3,940.68*	
		For Class 56 Rating, Add	*5,218.55*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,379.78	864.94
		For Class 52 Rating, Deduct	*-1,987.62*	
		For Class 54 Rating, Add	*2,726.12*	
		For Class 55 Rating, Add	*4,060.90*	
		For Class 56 Rating, Add	*5,377.61*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,923.14	868.11
		For Class 52 Rating, Deduct	*-2,046.86*	
		For Class 54 Rating, Add	*2,806.96*	
		For Class 55 Rating, Add	*4,181.12*	
		For Class 56 Rating, Add	*5,536.66*	
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,466.51	871.27
		For Class 52 Rating, Deduct	*-2,106.11*	
		For Class 54 Rating, Add	*2,887.80*	
		For Class 55 Rating, Add	*4,301.33*	
		For Class 56 Rating, Add	*5,695.72*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,009.87	874.41
		For Class 52 Rating, Deduct	*-2,165.35*	
		For Class 54 Rating, Add	*2,968.65*	
		For Class 55 Rating, Add	*4,421.55*	
		For Class 56 Rating, Add	*5,854.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,553.24	877.57
		For Class 52 Rating, Deduct	*-2,224.59*	
		For Class 54 Rating, Add	*3,049.49*	
		For Class 55 Rating, Add	*4,541.77*	
		For Class 56 Rating, Add	*6,013.82*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,096.60	880.73
		For Class 52 Rating, Deduct	*-2,283.84*	
		For Class 54 Rating, Add	*3,130.34*	
		For Class 55 Rating, Add	*4,661.99*	
		For Class 56 Rating, Add	*6,172.88*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,639.97	883.89
		For Class 52 Rating, Deduct	*-2,343.08*	
		For Class 54 Rating, Add	*3,211.18*	
		For Class 55 Rating, Add	*4,782.21*	
		For Class 56 Rating, Add	*6,331.93*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,183.34	887.04
		For Class 52 Rating, Deduct	*-2,402.33*	
		For Class 54 Rating, Add	*3,292.03*	
		For Class 55 Rating, Add	*4,902.43*	
		For Class 56 Rating, Add	*6,490.99*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,726.69	890.20
		For Class 52 Rating, Deduct	*-2,461.57*	
		For Class 54 Rating, Add	*3,372.87*	
		For Class 55 Rating, Add	*5,022.64*	
		For Class 56 Rating, Add	*6,650.04*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,270.06	893.36
		For Class 52 Rating, Deduct	*-2,520.81*	
		For Class 54 Rating, Add	*3,453.72*	
		For Class 55 Rating, Add	*5,142.86*	
		For Class 56 Rating, Add	*6,809.09*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,813.42	896.51
		For Class 52 Rating, Deduct	*-2,580.06*	
		For Class 54 Rating, Add	*3,534.56*	
		For Class 55 Rating, Add	*5,263.08*	
		For Class 56 Rating, Add	*6,968.15*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,799.76	921.76
		For Class 52 Rating, Deduct	*-484.35*	
		For Class 54 Rating, Add	*677.23*	
		For Class 55 Rating, Add	*1,015.42*	
		For Class 56 Rating, Add	*1,349.20*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,472.26	924.92
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*777.45*	
		For Class 55 Rating, Add	*1,164.44*	
		For Class 56 Rating, Add	*1,546.35*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,144.75	928.08
		For Class 52 Rating, Deduct	*-631.24*	
		For Class 54 Rating, Add	*877.66*	
		For Class 55 Rating, Add	*1,313.45*	
		For Class 56 Rating, Add	*1,743.50*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,817.26	931.23
		For Class 52 Rating, Deduct	*-704.69*	
		For Class 54 Rating, Add	*977.88*	
		For Class 55 Rating, Add	*1,462.47*	
		For Class 56 Rating, Add	*1,940.65*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,489.75	934.39
		For Class 52 Rating, Deduct	*-778.14*	
		For Class 54 Rating, Add	*1,078.09*	
		For Class 55 Rating, Add	*1,611.48*	
		For Class 56 Rating, Add	*2,137.80*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,162.26	937.55
		For Class 52 Rating, Deduct	*-851.59*	
		For Class 54 Rating, Add	*1,178.30*	
		For Class 55 Rating, Add	*1,760.50*	
		For Class 56 Rating, Add	*2,334.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,834.74	940.71
		For Class 52 Rating, Deduct	*-925.04*	
		For Class 54 Rating, Add	*1,278.52*	
		For Class 55 Rating, Add	*1,909.51*	
		For Class 56 Rating, Add	*2,532.09*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,507.24	943.86
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,378.73*	
		For Class 55 Rating, Add	*2,058.53*	
		For Class 56 Rating, Add	*2,729.24*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,179.74	947.02
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,478.95*	
		For Class 55 Rating, Add	*2,207.54*	
		For Class 56 Rating, Add	*2,926.39*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,852.24	950.19
		For Class 52 Rating, Deduct	*-1,145.38*	
		For Class 54 Rating, Add	*1,579.16*	
		For Class 55 Rating, Add	*2,356.56*	
		For Class 56 Rating, Add	*3,123.54*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,524.74	953.32
		For Class 52 Rating, Deduct	*-1,218.83*	
		For Class 54 Rating, Add	*1,679.38*	
		For Class 55 Rating, Add	*2,505.57*	
		For Class 56 Rating, Add	*3,320.69*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,197.24	956.48
		For Class 52 Rating, Deduct	*-1,292.28*	
		For Class 54 Rating, Add	*1,779.59*	
		For Class 55 Rating, Add	*2,654.59*	
		For Class 56 Rating, Add	*3,517.84*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,869.74	959.65
		For Class 52 Rating, Deduct	*-1,365.73*	
		For Class 54 Rating, Add	*1,879.81*	
		For Class 55 Rating, Add	*2,803.60*	
		For Class 56 Rating, Add	*3,714.98*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,542.24	962.81
		For Class 52 Rating, Deduct	*-1,439.18*	
		For Class 54 Rating, Add	*1,980.02*	
		For Class 55 Rating, Add	*2,952.62*	
		For Class 56 Rating, Add	*3,912.13*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,214.72	965.96
		For Class 52 Rating, Deduct	*-1,512.63*	
		For Class 54 Rating, Add	*2,080.24*	
		For Class 55 Rating, Add	*3,101.63*	
		For Class 56 Rating, Add	*4,109.28*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,887.23	969.12
		For Class 52 Rating, Deduct	*-1,586.08*	
		For Class 54 Rating, Add	*2,180.45*	
		For Class 55 Rating, Add	*3,250.65*	
		For Class 56 Rating, Add	*4,306.43*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,559.72	972.28
		For Class 52 Rating, Deduct	*-1,659.52*	
		For Class 54 Rating, Add	*2,280.66*	
		For Class 55 Rating, Add	*3,399.66*	
		For Class 56 Rating, Add	*4,503.57*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,232.23	975.43
		For Class 52 Rating, Deduct	*-1,732.97*	
		For Class 54 Rating, Add	*2,380.88*	
		For Class 55 Rating, Add	*3,548.68*	
		For Class 56 Rating, Add	*4,700.72*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,904.72	978.59
		For Class 52 Rating, Deduct	*-1,806.42*	
		For Class 54 Rating, Add	*2,481.09*	
		For Class 55 Rating, Add	*3,697.69*	
		For Class 56 Rating, Add	*4,897.87*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,577.22	981.75
		For Class 52 Rating, Deduct	*-1,879.87*	
		For Class 54 Rating, Add	*2,581.31*	
		For Class 55 Rating, Add	*3,846.71*	
		For Class 56 Rating, Add	*5,095.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,249.72	984.91
		For Class 52 Rating, Deduct	*-1,953.32*	
		For Class 54 Rating, Add	*2,681.52*	
		For Class 55 Rating, Add	*3,995.72*	
		For Class 56 Rating, Add	*5,292.17*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,922.22	988.06
		For Class 52 Rating, Deduct	*-2,026.77*	
		For Class 54 Rating, Add	*2,781.74*	
		For Class 55 Rating, Add	*4,144.74*	
		For Class 56 Rating, Add	*5,489.32*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,594.72	991.22
		For Class 52 Rating, Deduct	*-2,100.22*	
		For Class 54 Rating, Add	*2,881.95*	
		For Class 55 Rating, Add	*4,293.76*	
		For Class 56 Rating, Add	*5,686.47*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,267.21	994.38
		For Class 52 Rating, Deduct	*-2,173.66*	
		For Class 54 Rating, Add	*2,982.17*	
		For Class 55 Rating, Add	*4,442.77*	
		For Class 56 Rating, Add	*5,883.61*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,939.72	997.53
		For Class 52 Rating, Deduct	*-2,247.11*	
		For Class 54 Rating, Add	*3,082.38*	
		For Class 55 Rating, Add	*4,591.79*	
		For Class 56 Rating, Add	*6,080.76*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,612.21	1,000.68
		For Class 52 Rating, Deduct	*-2,320.56*	
		For Class 54 Rating, Add	*3,182.60*	
		For Class 55 Rating, Add	*4,740.80*	
		For Class 56 Rating, Add	*6,277.91*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,284.71	1,003.84
		For Class 52 Rating, Deduct	*-2,394.01*	
		For Class 54 Rating, Add	*3,282.81*	
		For Class 55 Rating, Add	*4,889.82*	
		For Class 56 Rating, Add	*6,475.06*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,957.21	1,007.00
		For Class 52 Rating, Deduct	*-2,467.46*	
		For Class 54 Rating, Add	*3,383.03*	
		For Class 55 Rating, Add	*5,038.83*	
		For Class 56 Rating, Add	*6,672.21*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,629.71	1,010.15
		For Class 52 Rating, Deduct	*-2,540.91*	
		For Class 54 Rating, Add	*3,483.24*	
		For Class 55 Rating, Add	*5,187.85*	
		For Class 56 Rating, Add	*6,869.35*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,383.52	1,066.98
		For Class 52 Rating, Deduct	*-2,614.36*	
		For Class 54 Rating, Add	*3,584.43*	
		For Class 55 Rating, Add	*5,338.81*	
		For Class 56 Rating, Add	*7,069.43*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,056.01	1,070.14
		For Class 52 Rating, Deduct	*-2,687.81*	
		For Class 54 Rating, Add	*3,684.65*	
		For Class 55 Rating, Add	*5,487.83*	
		For Class 56 Rating, Add	*7,266.58*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,728.51	1,073.29
		For Class 52 Rating, Deduct	*-2,761.25*	
		For Class 54 Rating, Add	*3,784.86*	
		For Class 55 Rating, Add	*5,636.84*	
		For Class 56 Rating, Add	*7,463.72*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,401.01	1,076.45
		For Class 52 Rating, Deduct	*-2,834.70*	
		For Class 54 Rating, Add	*3,885.08*	
		For Class 55 Rating, Add	*5,785.86*	
		For Class 56 Rating, Add	*7,660.87*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,073.50	1,079.60
		For Class 52 Rating, Deduct	*-2,908.15*	
		For Class 54 Rating, Add	*3,985.29*	
		For Class 55 Rating, Add	*5,934.87*	
		For Class 56 Rating, Add	*7,858.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,895.61	1,082.76
		For Class 52 Rating, Deduct	*-3,328.06*	
		For Class 54 Rating, Add	*4,557.95*	
		For Class 55 Rating, Add	*6,786.25*	
		For Class 56 Rating, Add	*8,984.30*	
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,418.50	1,085.92
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,185.72*	
		For Class 55 Rating, Add	*6,232.90*	
		For Class 56 Rating, Add	*8,252.32*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,091.01	1,089.07
		For Class 52 Rating, Deduct	*-3,128.50*	
		For Class 54 Rating, Add	*4,285.93*	
		For Class 55 Rating, Add	*6,381.92*	
		For Class 56 Rating, Add	*8,449.47*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,763.50	1,092.23
		For Class 52 Rating, Deduct	*-3,201.95*	
		For Class 54 Rating, Add	*4,386.15*	
		For Class 55 Rating, Add	*6,530.94*	
		For Class 56 Rating, Add	*8,646.61*	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,825.67	1,300.58
		For Class 52 Rating, Deduct	*-864.06*	
		For Class 54 Rating, Add	*1,201.91*	
		For Class 55 Rating, Add	*1,798.98*	
		For Class 56 Rating, Add	*2,388.20*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,787.93	1,303.73
		For Class 52 Rating, Deduct	*-969.38*	
		For Class 54 Rating, Add	*1,345.59*	
		For Class 55 Rating, Add	*2,012.61*	
		For Class 56 Rating, Add	*2,670.82*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,750.19	1,306.88
		For Class 52 Rating, Deduct	*-1,074.71*	
		For Class 54 Rating, Add	*1,489.27*	
		For Class 55 Rating, Add	*2,226.25*	
		For Class 56 Rating, Add	*2,953.45*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,712.46	1,310.04
		For Class 52 Rating, Deduct	*-1,180.03*	
		For Class 54 Rating, Add	*1,632.95*	
		For Class 55 Rating, Add	*2,439.88*	
		For Class 56 Rating, Add	*3,236.08*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,674.72	1,313.21
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,776.63*	
		For Class 55 Rating, Add	*2,653.51*	
		For Class 56 Rating, Add	*3,518.71*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,636.98	1,316.35
		For Class 52 Rating, Deduct	*-1,390.67*	
		For Class 54 Rating, Add	*1,920.31*	
		For Class 55 Rating, Add	*2,867.14*	
		For Class 56 Rating, Add	*3,801.34*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,599.24	1,319.52
		For Class 52 Rating, Deduct	*-1,496.00*	
		For Class 54 Rating, Add	*2,063.99*	
		For Class 55 Rating, Add	*3,080.78*	
		For Class 56 Rating, Add	*4,083.96*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,561.50	1,322.68
		For Class 52 Rating, Deduct	*-1,601.32*	
		For Class 54 Rating, Add	*2,207.67*	
		For Class 55 Rating, Add	*3,294.41*	
		For Class 56 Rating, Add	*4,366.59*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,523.76	1,325.82
		For Class 52 Rating, Deduct	*-1,706.64*	
		For Class 54 Rating, Add	*2,351.35*	
		For Class 55 Rating, Add	*3,508.04*	
		For Class 56 Rating, Add	*4,649.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,486.02	1,328.99
		For Class 52 Rating, Deduct	*-1,811.97*	
		For Class 54 Rating, Add	*2,495.02*	
		For Class 55 Rating, Add	*3,721.67*	
		For Class 56 Rating, Add	*4,931.85*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,448.29	1,332.15
		For Class 52 Rating, Deduct	*-1,917.29*	
		For Class 54 Rating, Add	*2,638.70*	
		For Class 55 Rating, Add	*3,935.31*	
		For Class 56 Rating, Add	*5,214.48*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,410.54	1,335.31
		For Class 52 Rating, Deduct	*-2,022.61*	
		For Class 54 Rating, Add	*2,782.38*	
		For Class 55 Rating, Add	*4,148.94*	
		For Class 56 Rating, Add	*5,497.11*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,372.80	1,338.46
		For Class 52 Rating, Deduct	*-2,127.93*	
		For Class 54 Rating, Add	*2,926.06*	
		For Class 55 Rating, Add	*4,362.57*	
		For Class 56 Rating, Add	*5,779.73*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,335.07	1,341.62
		For Class 52 Rating, Deduct	*-2,233.26*	
		For Class 54 Rating, Add	*3,069.74*	
		For Class 55 Rating, Add	*4,576.20*	
		For Class 56 Rating, Add	*6,062.36*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,297.33	1,344.78
		For Class 52 Rating, Deduct	*-2,338.58*	
		For Class 54 Rating, Add	*3,213.42*	
		For Class 55 Rating, Add	*4,789.84*	
		For Class 56 Rating, Add	*6,344.99*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,259.60	1,347.92
		For Class 52 Rating, Deduct	*-2,443.90*	
		For Class 54 Rating, Add	*3,357.10*	
		For Class 55 Rating, Add	*5,003.47*	
		For Class 56 Rating, Add	*6,627.62*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,221.85	1,351.08
		For Class 52 Rating, Deduct	*-2,549.22*	
		For Class 54 Rating, Add	*3,500.78*	
		For Class 55 Rating, Add	*5,217.10*	
		For Class 56 Rating, Add	*6,910.25*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,184.12	1,354.24
		For Class 52 Rating, Deduct	*-2,654.55*	
		For Class 54 Rating, Add	*3,644.46*	
		For Class 55 Rating, Add	*5,430.73*	
		For Class 56 Rating, Add	*7,192.88*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,146.37	1,357.40
		For Class 52 Rating, Deduct	*-2,759.87*	
		For Class 54 Rating, Add	*3,788.14*	
		For Class 55 Rating, Add	*5,644.37*	
		For Class 56 Rating, Add	*7,475.50*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,108.63	1,360.55
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,931.82*	
		For Class 55 Rating, Add	*5,858.00*	
		For Class 56 Rating, Add	*7,758.13*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,070.90	1,363.71
		For Class 52 Rating, Deduct	*-2,970.51*	
		For Class 54 Rating, Add	*4,075.50*	
		For Class 55 Rating, Add	*6,071.63*	
		For Class 56 Rating, Add	*8,040.76*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,033.16	1,366.87
		For Class 52 Rating, Deduct	*-3,075.84*	
		For Class 54 Rating, Add	*4,219.17*	
		For Class 55 Rating, Add	*6,285.26*	
		For Class 56 Rating, Add	*8,323.39*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,995.43	1,370.02
		For Class 52 Rating, Deduct	*-3,181.16*	
		For Class 54 Rating, Add	*4,362.85*	
		For Class 55 Rating, Add	*6,498.90*	
		For Class 56 Rating, Add	*8,606.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,957.69	1,373.18
		For Class 52 Rating, Deduct	*-3,286.48*	
		For Class 54 Rating, Add	*4,506.53*	
		For Class 55 Rating, Add	*6,712.53*	
		For Class 56 Rating, Add	*8,888.65*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,919.94	1,376.34
		For Class 52 Rating, Deduct	*-3,391.80*	
		For Class 54 Rating, Add	*4,650.21*	
		For Class 55 Rating, Add	*6,926.16*	
		For Class 56 Rating, Add	*9,171.27*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,882.20	1,379.50
		For Class 52 Rating, Deduct	*-3,497.13*	
		For Class 54 Rating, Add	*4,793.89*	
		For Class 55 Rating, Add	*7,139.79*	
		For Class 56 Rating, Add	*9,453.90*	
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,844.46	1,382.64
		For Class 52 Rating, Deduct	*-3,602.45*	
		For Class 54 Rating, Add	*4,937.57*	
		For Class 55 Rating, Add	*7,353.43*	
		For Class 56 Rating, Add	*9,736.53*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,806.73	1,385.80
		For Class 52 Rating, Deduct	*-3,707.77*	
		For Class 54 Rating, Add	*5,081.25*	
		For Class 55 Rating, Add	*7,567.06*	
		For Class 56 Rating, Add	*10,019.16*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,768.99	1,388.96
		For Class 52 Rating, Deduct	*-3,813.10*	
		For Class 54 Rating, Add	*5,224.93*	
		For Class 55 Rating, Add	*7,780.69*	
		For Class 56 Rating, Add	*10,301.79*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,731.26	1,392.12
		For Class 52 Rating, Deduct	*-3,918.42*	
		For Class 54 Rating, Add	*5,368.61*	
		For Class 55 Rating, Add	*7,994.32*	
		For Class 56 Rating, Add	*10,584.42*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,693.51	1,395.27
		For Class 52 Rating, Deduct	*-4,023.74*	
		For Class 54 Rating, Add	*5,512.29*	
		For Class 55 Rating, Add	*8,207.95*	
		For Class 56 Rating, Add	*10,867.04*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,655.77	1,398.43
		For Class 52 Rating, Deduct	*-4,129.06*	
		For Class 54 Rating, Add	*5,655.97*	
		For Class 55 Rating, Add	*8,421.59*	
		For Class 56 Rating, Add	*11,149.67*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,618.04	1,401.60
		For Class 52 Rating, Deduct	*-4,234.39*	
		For Class 54 Rating, Add	*5,799.65*	
		For Class 55 Rating, Add	*8,635.22*	
		For Class 56 Rating, Add	*11,432.30*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,580.29	1,404.74
		For Class 52 Rating, Deduct	*-4,339.71*	
		For Class 54 Rating, Add	*5,943.32*	
		For Class 55 Rating, Add	*8,848.85*	
		For Class 56 Rating, Add	*11,714.93*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,542.56	1,407.90
		For Class 52 Rating, Deduct	*-4,445.03*	
		For Class 54 Rating, Add	*6,087.00*	
		For Class 55 Rating, Add	*9,062.49*	
		For Class 56 Rating, Add	*11,997.56*	
40 05 19 00-3514		36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,279.35	1,647.82
		For Class 52 Rating, Deduct	*-1,076.09*	
		For Class 54 Rating, Add	*1,497.36*	
		For Class 55 Rating, Add	*2,241.45*	
		For Class 56 Rating, Add	*2,975.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,569.17	1,650.98
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,690.17*	
		For Class 55 Rating, Add	*2,528.13*	
		For Class 56 Rating, Add	*3,355.02*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,858.99	1,654.13
		For Class 52 Rating, Deduct	*-1,358.80*	
		For Class 54 Rating, Add	*1,882.98*	
		For Class 55 Rating, Add	*2,814.81*	
		For Class 56 Rating, Add	*3,734.28*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,148.82	1,657.28
		For Class 52 Rating, Deduct	*-1,500.15*	
		For Class 54 Rating, Add	*2,075.80*	
		For Class 55 Rating, Add	*3,101.49*	
		For Class 56 Rating, Add	*4,113.54*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,438.62	1,660.44
		For Class 52 Rating, Deduct	*-1,641.51*	
		For Class 54 Rating, Add	*2,268.61*	
		For Class 55 Rating, Add	*3,388.16*	
		For Class 56 Rating, Add	*4,492.80*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,728.44	1,663.59
		For Class 52 Rating, Deduct	*-1,782.86*	
		For Class 54 Rating, Add	*2,461.42*	
		For Class 55 Rating, Add	*3,674.84*	
		For Class 56 Rating, Add	*4,872.05*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,018.27	1,666.75
		For Class 52 Rating, Deduct	*-1,924.22*	
		For Class 54 Rating, Add	*2,654.24*	
		For Class 55 Rating, Add	*3,961.52*	
		For Class 56 Rating, Add	*5,251.31*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,308.09	1,669.91
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,847.05*	
		For Class 55 Rating, Add	*4,248.20*	
		For Class 56 Rating, Add	*5,630.57*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,597.91	1,673.08
		For Class 52 Rating, Deduct	*-2,206.92*	
		For Class 54 Rating, Add	*3,039.86*	
		For Class 55 Rating, Add	*4,534.88*	
		For Class 56 Rating, Add	*6,009.83*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,887.73	1,676.22
		For Class 52 Rating, Deduct	*-2,348.28*	
		For Class 54 Rating, Add	*3,232.68*	
		For Class 55 Rating, Add	*4,821.56*	
		For Class 56 Rating, Add	*6,389.09*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,177.55	1,679.38
		For Class 52 Rating, Deduct	*-2,489.63*	
		For Class 54 Rating, Add	*3,425.49*	
		For Class 55 Rating, Add	*5,108.23*	
		For Class 56 Rating, Add	*6,768.35*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,467.37	1,682.55
		For Class 52 Rating, Deduct	*-2,630.99*	
		For Class 54 Rating, Add	*3,618.30*	
		For Class 55 Rating, Add	*5,394.91*	
		For Class 56 Rating, Add	*7,147.60*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,757.18	1,685.69
		For Class 52 Rating, Deduct	*-2,772.34*	
		For Class 54 Rating, Add	*3,811.11*	
		For Class 55 Rating, Add	*5,681.59*	
		For Class 56 Rating, Add	*7,526.86*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,047.01	1,688.86
		For Class 52 Rating, Deduct	*-2,913.70*	
		For Class 54 Rating, Add	*4,003.93*	
		For Class 55 Rating, Add	*5,968.27*	
		For Class 56 Rating, Add	*7,906.12*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,336.82	1,692.02
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,196.74*	
		For Class 55 Rating, Add	*6,254.94*	
		For Class 56 Rating, Add	*8,285.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,626.65	1,695.18
		For Class 52 Rating, Deduct	*-3,196.40*	
		For Class 54 Rating, Add	*4,389.55*	
		For Class 55 Rating, Add	*6,541.62*	
		For Class 56 Rating, Add	*8,664.64*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,916.47	1,698.32
		For Class 52 Rating, Deduct	*-3,337.76*	
		For Class 54 Rating, Add	*4,582.37*	
		For Class 55 Rating, Add	*6,828.30*	
		For Class 56 Rating, Add	*9,043.89*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,206.28	1,701.48
		For Class 52 Rating, Deduct	*-3,479.11*	
		For Class 54 Rating, Add	*4,775.18*	
		For Class 55 Rating, Add	*7,114.98*	
		For Class 56 Rating, Add	*9,423.15*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,496.11	1,704.64
		For Class 52 Rating, Deduct	*-3,620.47*	
		For Class 54 Rating, Add	*4,967.99*	
		For Class 55 Rating, Add	*7,401.66*	
		For Class 56 Rating, Add	*9,802.41*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,785.93	1,707.80
		For Class 52 Rating, Deduct	*-3,761.82*	
		For Class 54 Rating, Add	*5,160.80*	
		For Class 55 Rating, Add	*7,688.34*	
		For Class 56 Rating, Add	*10,181.67*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,075.74	1,710.95
		For Class 52 Rating, Deduct	*-3,903.17*	
		For Class 54 Rating, Add	*5,353.62*	
		For Class 55 Rating, Add	*7,975.01*	
		For Class 56 Rating, Add	*10,560.92*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,365.56	1,714.11
		For Class 52 Rating, Deduct	*-4,044.53*	
		For Class 54 Rating, Add	*5,546.43*	
		For Class 55 Rating, Add	*8,261.69*	
		For Class 56 Rating, Add	*10,940.18*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,655.38	1,717.27
		For Class 52 Rating, Deduct	*-4,185.88*	
		For Class 54 Rating, Add	*5,739.24*	
		For Class 55 Rating, Add	*8,548.37*	
		For Class 56 Rating, Add	*11,319.44*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,945.20	1,720.42
		For Class 52 Rating, Deduct	*-4,327.24*	
		For Class 54 Rating, Add	*5,932.06*	
		For Class 55 Rating, Add	*8,835.05*	
		For Class 56 Rating, Add	*11,698.70*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,235.02	1,723.58
		For Class 52 Rating, Deduct	*-4,468.59*	
		For Class 54 Rating, Add	*6,124.87*	
		For Class 55 Rating, Add	*9,121.72*	
		For Class 56 Rating, Add	*12,077.96*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,524.85	1,726.74
		For Class 52 Rating, Deduct	*-4,609.94*	
		For Class 54 Rating, Add	*6,317.68*	
		For Class 55 Rating, Add	*9,408.40*	
		For Class 56 Rating, Add	*12,457.22*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,814.66	1,729.90
		For Class 52 Rating, Deduct	*-4,751.30*	
		For Class 54 Rating, Add	*6,510.49*	
		For Class 55 Rating, Add	*9,695.08*	
		For Class 56 Rating, Add	*12,836.47*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,104.49	1,733.04
		For Class 52 Rating, Deduct	*-4,892.65*	
		For Class 54 Rating, Add	*6,703.31*	
		For Class 55 Rating, Add	*9,981.76*	
		For Class 56 Rating, Add	*13,215.73*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,394.30	1,736.20
		For Class 52 Rating, Deduct	*-5,034.01*	
		For Class 54 Rating, Add	*6,896.12*	
		For Class 55 Rating, Add	*10,268.44*	
		For Class 56 Rating, Add	*13,594.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,684.11	1,739.36
		For Class 52 Rating, Deduct	*-5,175.36*	
		For Class 54 Rating, Add	*7,088.93*	
		For Class 55 Rating, Add	*10,555.11*	
		For Class 56 Rating, Add	*13,974.25*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,973.94	1,742.51
		For Class 52 Rating, Deduct	*-5,316.71*	
		For Class 54 Rating, Add	*7,281.75*	
		For Class 55 Rating, Add	*10,841.79*	
		For Class 56 Rating, Add	*14,353.51*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,263.76	1,745.67
		For Class 52 Rating, Deduct	*-5,458.07*	
		For Class 54 Rating, Add	*7,474.56*	
		For Class 55 Rating, Add	*11,128.47*	
		For Class 56 Rating, Add	*14,732.76*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,553.59	1,748.83
		For Class 52 Rating, Deduct	*-5,599.42*	
		For Class 54 Rating, Add	*7,667.37*	
		For Class 55 Rating, Add	*11,415.15*	
		For Class 56 Rating, Add	*15,112.02*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,843.40	1,751.99
		For Class 52 Rating, Deduct	*-5,740.78*	
		For Class 54 Rating, Add	*7,860.18*	
		For Class 55 Rating, Add	*11,701.83*	
		For Class 56 Rating, Add	*15,491.28*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,133.22	1,755.14
		For Class 52 Rating, Deduct	*-5,882.13*	
		For Class 54 Rating, Add	*8,053.00*	
		For Class 55 Rating, Add	*11,988.51*	
		For Class 56 Rating, Add	*15,870.54*	

40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,262.10	2,077.14
		For Class 52 Rating, Deduct	*-1,442.64*	
		For Class 54 Rating, Add	*2,005.01*	
		For Class 55 Rating, Add	*3,000.16*	
		For Class 56 Rating, Add	*3,982.20*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,162.94	2,080.29
		For Class 52 Rating, Deduct	*-1,651.21*	
		For Class 54 Rating, Add	*2,289.47*	
		For Class 55 Rating, Add	*3,423.10*	
		For Class 56 Rating, Add	*4,541.71*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,048.04	2,083.45
		For Class 52 Rating, Deduct	*-1,858.04*	
		For Class 54 Rating, Add	*2,571.58*	
		For Class 55 Rating, Add	*3,842.52*	
		For Class 56 Rating, Add	*5,096.58*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,952.03	2,086.60
		For Class 52 Rating, Deduct	*-2,066.96*	
		For Class 54 Rating, Add	*2,856.51*	
		For Class 55 Rating, Add	*4,266.16*	
		For Class 56 Rating, Add	*5,657.02*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,843.43	2,089.76
		For Class 52 Rating, Deduct	*-2,274.48*	
		For Class 54 Rating, Add	*3,139.56*	
		For Class 55 Rating, Add	*4,686.99*	
		For Class 56 Rating, Add	*6,213.74*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,753.72	2,092.91
		For Class 52 Rating, Deduct	*-2,484.09*	
		For Class 54 Rating, Add	*3,425.45*	
		For Class 55 Rating, Add	*5,112.03*	
		For Class 56 Rating, Add	*6,776.04*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,645.11	2,096.07
		For Class 52 Rating, Deduct	*-2,691.62*	
		For Class 54 Rating, Add	*3,708.50*	
		For Class 55 Rating, Add	*5,532.86*	
		For Class 56 Rating, Add	*7,332.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,558.55	2,099.23
		For Class 52 Rating, Deduct	*-2,901.57*	
		For Class 54 Rating, Add	*3,994.85*	
		For Class 55 Rating, Add	*5,958.61*	
		For Class 56 Rating, Add	*7,895.98*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,453.09	2,102.39
		For Class 52 Rating, Deduct	*-3,109.44*	
		For Class 54 Rating, Add	*4,278.37*	
		For Class 55 Rating, Add	*6,380.14*	
		For Class 56 Rating, Add	*8,453.64*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,369.69	2,105.54
		For Class 52 Rating, Deduct	*-3,319.74*	
		For Class 54 Rating, Add	*4,565.20*	
		For Class 55 Rating, Add	*6,806.59*	
		For Class 56 Rating, Add	*9,017.79*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,264.23	2,108.70
		For Class 52 Rating, Deduct	*-3,527.62*	
		For Class 54 Rating, Add	*4,848.72*	
		For Class 55 Rating, Add	*7,228.12*	
		For Class 56 Rating, Add	*9,575.44*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,180.81	2,111.86
		For Class 52 Rating, Deduct	*-3,737.91*	
		For Class 54 Rating, Add	*5,135.55*	
		For Class 55 Rating, Add	*7,654.56*	
		For Class 56 Rating, Add	*10,139.60*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,078.51	2,115.01
		For Class 52 Rating, Deduct	*-3,946.13*	
		For Class 54 Rating, Add	*5,419.55*	
		For Class 55 Rating, Add	*8,076.80*	
		For Class 56 Rating, Add	*10,698.18*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,979.35	2,118.17
		For Class 52 Rating, Deduct	*-4,154.70*	
		For Class 54 Rating, Add	*5,704.01*	
		For Class 55 Rating, Add	*8,499.73*	
		For Class 56 Rating, Add	*11,257.69*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,892.80	2,121.33
		For Class 52 Rating, Deduct	*-4,364.65*	
		For Class 54 Rating, Add	*5,990.37*	
		For Class 55 Rating, Add	*8,925.48*	
		For Class 56 Rating, Add	*11,820.91*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,790.48	2,124.49
		For Class 52 Rating, Deduct	*-4,572.87*	
		For Class 54 Rating, Add	*6,274.36*	
		For Class 55 Rating, Add	*9,347.71*	
		For Class 56 Rating, Add	*12,379.49*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,710.23	2,127.63
		For Class 52 Rating, Deduct	*-4,783.52*	
		For Class 54 Rating, Add	*6,561.66*	
		For Class 55 Rating, Add	*9,774.86*	
		For Class 56 Rating, Add	*12,944.58*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,611.07	2,130.79
		For Class 52 Rating, Deduct	*-4,992.08*	
		For Class 54 Rating, Add	*6,846.13*	
		For Class 55 Rating, Add	*10,197.80*	
		For Class 56 Rating, Add	*13,504.09*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,527.65	2,133.96
		For Class 52 Rating, Deduct	*-5,202.38*	
		For Class 54 Rating, Add	*7,132.96*	
		For Class 55 Rating, Add	*10,624.25*	
		For Class 56 Rating, Add	*14,068.24*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,428.50	2,137.10
		For Class 52 Rating, Deduct	*-5,410.95*	
		For Class 54 Rating, Add	*7,417.42*	
		For Class 55 Rating, Add	*11,047.18*	
		For Class 56 Rating, Add	*14,627.75*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,348.24	2,140.27
		For Class 52 Rating, Deduct	*-5,621.60*	
		For Class 54 Rating, Add	*7,704.73*	
		For Class 55 Rating, Add	*11,474.33*	
		For Class 56 Rating, Add	*15,192.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,249.09	2,143.43
		For Class 52 Rating, Deduct	*-5,830.16*	
		For Class 54 Rating, Add	*7,989.19*	
		For Class 55 Rating, Add	*11,897.27*	
		For Class 56 Rating, Add	*15,752.35*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,168.83	2,146.59
		For Class 52 Rating, Deduct	*-6,040.81*	
		For Class 54 Rating, Add	*8,276.49*	
		For Class 55 Rating, Add	*12,324.42*	
		For Class 56 Rating, Add	*16,317.43*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,066.51	2,149.74
		For Class 52 Rating, Deduct	*-6,249.03*	
		For Class 54 Rating, Add	*8,560.49*	
		For Class 55 Rating, Add	*12,746.65*	
		For Class 56 Rating, Add	*16,876.01*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,989.40	2,152.90
		For Class 52 Rating, Deduct	*-6,460.02*	
		For Class 54 Rating, Add	*8,848.26*	
		For Class 55 Rating, Add	*13,174.51*	
		For Class 56 Rating, Add	*17,442.03*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,890.24	2,156.06
		For Class 52 Rating, Deduct	*-6,668.59*	
		For Class 54 Rating, Add	*9,132.73*	
		For Class 55 Rating, Add	*13,597.44*	
		For Class 56 Rating, Add	*18,001.54*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,806.84	2,159.21
		For Class 52 Rating, Deduct	*-6,878.88*	
		For Class 54 Rating, Add	*9,419.55*	
		For Class 55 Rating, Add	*14,023.89*	
		For Class 56 Rating, Add	*18,565.69*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,710.83	2,162.36
		For Class 52 Rating, Deduct	*-7,087.80*	
		For Class 54 Rating, Add	*9,704.49*	
		For Class 55 Rating, Add	*14,447.53*	
		For Class 56 Rating, Add	*19,126.13*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,240.02	2,165.52
		For Class 52 Rating, Deduct	*-7,255.48*	
		For Class 54 Rating, Add	*9,933.21*	
		For Class 55 Rating, Add	*14,787.59*	
		For Class 56 Rating, Add	*19,576.00*	
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,531.41	2,168.68
		For Class 52 Rating, Deduct	*-7,507.01*	
		For Class 54 Rating, Add	*10,276.26*	
		For Class 55 Rating, Add	*15,297.61*	
		For Class 56 Rating, Add	*20,250.72*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,429.10	2,171.83
		For Class 52 Rating, Deduct	*-7,715.23*	
		For Class 54 Rating, Add	*10,560.25*	
		For Class 55 Rating, Add	*15,719.85*	
		For Class 56 Rating, Add	*20,809.30*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,348.84	2,174.99
		For Class 52 Rating, Deduct	*-7,925.87*	
		For Class 54 Rating, Add	*10,847.56*	
		For Class 55 Rating, Add	*16,147.00*	
		For Class 56 Rating, Add	*21,374.39*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,249.68	2,178.15
		For Class 52 Rating, Deduct	*-8,134.44*	
		For Class 54 Rating, Add	*11,132.02*	
		For Class 55 Rating, Add	*16,569.93*	
		For Class 56 Rating, Add	*21,933.90*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,172.57	2,181.31
		For Class 52 Rating, Deduct	*-8,345.43*	
		For Class 54 Rating, Add	*11,419.79*	
		For Class 55 Rating, Add	*16,997.79*	
		For Class 56 Rating, Add	*22,499.91*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,070.26	2,184.46
		For Class 52 Rating, Deduct	*-8,553.65*	
		For Class 54 Rating, Add	*11,703.79*	
		For Class 55 Rating, Add	*17,420.02*	
		For Class 56 Rating, Add	*23,058.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3586		48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,010.57	2,610.62
		For Class 52 Rating, Deduct	*-1,876.06*	
		For Class 54 Rating, Add	*2,605.73*	
		For Class 55 Rating, Add	*3,898.21*	
		For Class 56 Rating, Add	*5,173.65*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,742.91	2,613.78
		For Class 52 Rating, Deduct	*-2,176.09*	
		For Class 54 Rating, Add	*3,014.92*	
		For Class 55 Rating, Add	*4,506.58*	
		For Class 56 Rating, Add	*5,978.45*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,484.69	2,616.94
		For Class 52 Rating, Deduct	*-2,477.16*	
		For Class 54 Rating, Add	*3,425.53*	
		For Class 55 Rating, Add	*5,117.04*	
		For Class 56 Rating, Add	*6,786.04*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,254.83	2,620.10
		For Class 52 Rating, Deduct	*-2,781.35*	
		For Class 54 Rating, Add	*3,840.39*	
		For Class 55 Rating, Add	*5,733.83*	
		For Class 56 Rating, Add	*7,601.99*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,018.66	2,623.25
		For Class 52 Rating, Deduct	*-3,084.84*	
		For Class 54 Rating, Add	*4,254.30*	
		For Class 55 Rating, Add	*6,349.21*	
		For Class 56 Rating, Add	*8,416.08*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,785.64	2,626.41
		For Class 52 Rating, Deduct	*-3,388.69*	
		For Class 54 Rating, Add	*4,668.69*	
		For Class 55 Rating, Add	*6,965.30*	
		For Class 56 Rating, Add	*9,231.10*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,571.52	2,629.57
		For Class 52 Rating, Deduct	*-3,694.61*	
		For Class 54 Rating, Add	*5,085.91*	
		For Class 55 Rating, Add	*7,585.60*	
		For Class 56 Rating, Add	*10,051.69*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,351.10	2,632.71
		For Class 52 Rating, Deduct	*-3,999.83*	
		For Class 54 Rating, Add	*5,502.19*	
		For Class 55 Rating, Add	*8,204.49*	
		For Class 56 Rating, Add	*10,870.43*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,124.39	2,635.87
		For Class 52 Rating, Deduct	*-4,304.37*	
		For Class 54 Rating, Add	*5,917.52*	
		For Class 55 Rating, Add	*8,821.98*	
		For Class 56 Rating, Add	*11,687.31*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,922.86	2,639.03
		For Class 52 Rating, Deduct	*-4,611.68*	
		For Class 54 Rating, Add	*6,336.63*	
		For Class 55 Rating, Add	*9,445.09*	
		For Class 56 Rating, Add	*12,511.62*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,708.73	2,642.19
		For Class 52 Rating, Deduct	*-4,917.60*	
		For Class 54 Rating, Add	*6,753.85*	
		For Class 55 Rating, Add	*10,065.39*	
		For Class 56 Rating, Add	*13,332.22*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,510.37	2,645.34
		For Class 52 Rating, Deduct	*-5,225.25*	
		For Class 54 Rating, Add	*7,173.44*	
		For Class 55 Rating, Add	*10,689.20*	
		For Class 56 Rating, Add	*14,157.46*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,293.09	2,648.50
		For Class 52 Rating, Deduct	*-5,530.82*	
		For Class 54 Rating, Add	*7,590.19*	
		For Class 55 Rating, Add	*11,308.80*	
		For Class 56 Rating, Add	*14,977.13*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,082.13	2,651.66
		For Class 52 Rating, Deduct	*-5,837.09*	
		For Class 54 Rating, Add	*8,007.88*	
		For Class 55 Rating, Add	*11,929.80*	
		For Class 56 Rating, Add	*15,798.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,886.91	2,654.82
		For Class 52 Rating, Deduct	*-6,145.09*	
		For Class 54 Rating, Add	*8,427.94*	
		For Class 55 Rating, Add	*12,554.31*	
		For Class 56 Rating, Add	*16,624.82*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,675.94	2,657.97
		For Class 52 Rating, Deduct	*-6,451.36*	
		For Class 54 Rating, Add	*8,845.63*	
		For Class 55 Rating, Add	*13,175.31*	
		For Class 56 Rating, Add	*17,446.35*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,464.97	2,661.13
		For Class 52 Rating, Deduct	*-6,757.62*	
		For Class 54 Rating, Add	*9,263.33*	
		For Class 55 Rating, Add	*13,796.32*	
		For Class 56 Rating, Add	*18,267.87*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,272.88	2,664.29
		For Class 52 Rating, Deduct	*-7,065.97*	
		For Class 54 Rating, Add	*9,683.85*	
		For Class 55 Rating, Add	*14,421.53*	
		For Class 56 Rating, Add	*19,094.97*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,065.07	2,667.43
		For Class 52 Rating, Deduct	*-7,372.58*	
		For Class 54 Rating, Add	*10,102.02*	
		For Class 55 Rating, Add	*15,043.24*	
		For Class 56 Rating, Add	*19,917.43*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,854.09	2,670.59
		For Class 52 Rating, Deduct	*-7,678.85*	
		For Class 54 Rating, Add	*10,519.72*	
		For Class 55 Rating, Add	*15,664.24*	
		For Class 56 Rating, Add	*20,738.95*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,668.33	2,673.75
		For Class 52 Rating, Deduct	*-7,987.89*	
		For Class 54 Rating, Add	*10,941.19*	
		For Class 55 Rating, Add	*16,290.86*	
		For Class 56 Rating, Add	*21,567.91*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,463.65	2,676.92
		For Class 52 Rating, Deduct	*-8,294.85*	
		For Class 54 Rating, Add	*11,359.83*	
		For Class 55 Rating, Add	*16,913.26*	
		For Class 56 Rating, Add	*22,391.29*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,255.83	2,680.06
		For Class 52 Rating, Deduct	*-8,601.46*	
		For Class 54 Rating, Add	*11,778.00*	
		For Class 55 Rating, Add	*17,534.97*	
		For Class 56 Rating, Add	*23,213.75*	
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,066.91	2,683.23
		For Class 52 Rating, Deduct	*-8,910.16*	
		For Class 54 Rating, Add	*12,199.00*	
		For Class 55 Rating, Add	*18,160.89*	
		For Class 56 Rating, Add	*24,041.77*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,862.24	2,686.39
		For Class 52 Rating, Deduct	*-9,217.12*	
		For Class 54 Rating, Add	*12,617.64*	
		For Class 55 Rating, Add	*18,783.29*	
		For Class 56 Rating, Add	*24,865.16*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,654.41	2,689.53
		For Class 52 Rating, Deduct	*-9,523.73*	
		For Class 54 Rating, Add	*13,035.80*	
		For Class 55 Rating, Add	*19,405.00*	
		For Class 56 Rating, Add	*25,687.61*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,468.64	2,692.70
		For Class 52 Rating, Deduct	*-9,832.77*	
		For Class 54 Rating, Add	*13,457.28*	
		For Class 55 Rating, Add	*20,031.62*	
		For Class 56 Rating, Add	*26,516.57*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,263.97	2,695.86
		For Class 52 Rating, Deduct	*-10,139.73*	
		For Class 54 Rating, Add	*13,875.92*	
		For Class 55 Rating, Add	*20,654.02*	
		For Class 56 Rating, Add	*27,339.95*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3615		EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,728.59	2,699.02
			For Class 52 Rating, Deduct	*-10,410.31*	
			For Class 54 Rating, Add	*14,244.95*	
			For Class 55 Rating, Add	*21,202.68*	
			For Class 56 Rating, Add	*28,065.78*	
40 05 19 00-3616		EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,876.67	2,702.17
			For Class 52 Rating, Deduct	*-10,756.07*	
			For Class 54 Rating, Add	*14,716.50*	
			For Class 55 Rating, Add	*21,903.75*	
			For Class 56 Rating, Add	*28,993.22*	
40 05 19 00-3617		EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,668.86	2,705.33
			For Class 52 Rating, Deduct	*-11,062.69*	
			For Class 54 Rating, Add	*15,134.67*	
			For Class 55 Rating, Add	*22,525.46*	
			For Class 56 Rating, Add	*29,815.68*	
40 05 19 00-3618		EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	107,489.38	2,708.49
			For Class 52 Rating, Deduct	*-11,372.42*	
			For Class 54 Rating, Add	*15,557.09*	
			For Class 55 Rating, Add	*23,153.48*	
			For Class 56 Rating, Add	*30,646.49*	
40 05 19 00-3619		EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,281.57	2,711.63
			For Class 52 Rating, Deduct	*-11,679.03*	
			For Class 54 Rating, Add	*15,975.26*	
			For Class 55 Rating, Add	*23,775.19*	
			For Class 56 Rating, Add	*31,468.95*	
40 05 19 00-3620		EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	113,073.73	2,714.79
			For Class 52 Rating, Deduct	*-11,985.65*	
			For Class 54 Rating, Add	*16,393.42*	
			For Class 55 Rating, Add	*24,396.89*	
			For Class 56 Rating, Add	*32,291.40*	
40 05 19 00-3621		EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	115,894.25	2,717.95
			For Class 52 Rating, Deduct	*-12,295.38*	
			For Class 54 Rating, Add	*16,815.84*	
			For Class 55 Rating, Add	*25,024.92*	
			For Class 56 Rating, Add	*33,122.22*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623		EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	830.37	152.30
40 05 19 00-3624		EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,213.83	194.76
40 05 19 00-3625		EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,728.32	220.60
40 05 19 00-3626		EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,466.14	279.68
40 05 19 00-3627		EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,069.92	310.13
40 05 19 00-3628		EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,762.17	336.90
40 05 19 00-3629		EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,620.07	415.36
40 05 19 00-3630		EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,794.00	498.43
40 05 19 00-3631		EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,083.21	627.65
40 05 19 00-3632		EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,522.93	710.73
40 05 19 00-3633		EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,319.50	941.48
40 05 19 00-3634		EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,177.36	1,066.09
40 05 19 00-3635		EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,220.91	1,218.39
40 05 19 00-3636		EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,522.99	1,495.29

40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3638		EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	791.74	152.30
40 05 19 00-3639		EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,150.01	194.76
40 05 19 00-3640		EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,570.44	220.60
40 05 19 00-3641		EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,241.08	279.68
40 05 19 00-3642		EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,779.35	310.13
40 05 19 00-3643		EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,236.45	336.90
40 05 19 00-3644		EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,978.46	415.36
40 05 19 00-3645		EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,061.69	498.43
40 05 19 00-3646		EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,366.02	627.65
40 05 19 00-3647		EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,351.21	710.73
40 05 19 00-3648		EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,934.87	941.48
40 05 19 00-3649		EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,663.40	1,066.09
40 05 19 00-3650		EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,748.78	1,218.39
40 05 19 00-3651		EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,330.31	1,495.29

40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3653		EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	790.06	152.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,128.17	194.76
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,557.00	220.60
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,189.01	279.68
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,895.24	310.13
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,590.85	336.90
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,059.08	415.36
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,159.11	498.43
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,784.24	627.65
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,316.98	710.73
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,106.19	941.48
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	24,054.75	1,066.09
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,529.79	1,218.39
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,351.51	1,495.29
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	855.56	152.30
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,250.78	194.76
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,607.39	220.60
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,368.73	279.68
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,229.48	310.13
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,676.51	336.90
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,420.20	415.36
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,159.11	498.43
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,784.24	627.65
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,659.62	710.73
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,274.15	941.48
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,226.07	1,066.09
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,709.51	1,218.39
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,714.30	1,495.29
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,179.98	173.53
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,518.69	186.45
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,649.94	207.68
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,260.48	215.98
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,304.40	237.22
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,473.46	250.13
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,699.36	252.90
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,012.87	265.83
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,156.72	295.37
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,140.52	265.83
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,405.32	278.75
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,691.93	308.29
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,011.32	323.99
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,614.82	305.06
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,830.91	317.98
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,265.33	347.52
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,585.70	362.75
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,847.84	376.13
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,196.75	346.59
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,854.57	359.52
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,944.67	389.05
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,164.27	404.28
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,527.18	417.67
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,925.90	456.90
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,245.30	411.21
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,530.26	424.13
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,628.12	453.67
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,829.23	468.90
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,439.04	482.28
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,256.62	521.50
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,633.64	563.05
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,244.81	452.74
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,524.74	465.66
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,992.74	495.20
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,331.58	510.43
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,983.39	523.81
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,570.21	563.05
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,737.29	604.58
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,199.12	597.90
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,298.94	625.81
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,997.77	639.20
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,711.61	678.42
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,559.97	719.96
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,150.15	784.57
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,670.98	826.11

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3728		EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,411.47	846.87
40 05 19 00-3729		EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,389.14	888.40
40 05 19 00-3730		EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,524.69	1,003.79
40 05 19 00-3731		EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,720.34	923.02
40 05 19 00-3732		EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,490.38	964.56
40 05 19 00-3733		EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,470.36	1,079.94
40 05 19 00-3734		EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,305.57	1,142.24
40 05 19 00-3735		EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,293.44	1,114.55
40 05 19 00-3736		EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,149.95	1,229.93
40 05 19 00-3737		EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,529.24	1,292.24
40 05 19 00-3738		EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,425.34	1,368.38
40 05 19 00-3739			**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3740		EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	973.13	152.30
40 05 19 00-3741		EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,526.24	194.76
40 05 19 00-3742		EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,259.07	220.60
40 05 19 00-3743		EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,151.42	279.68
40 05 19 00-3744		EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,400.16	310.13
40 05 19 00-3745		EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,156.23	336.90
40 05 19 00-3746		EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,570.09	415.36
40 05 19 00-3747		EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,041.30	498.43
40 05 19 00-3748		EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,732.98	627.65
40 05 19 00-3749		EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,632.27	710.73
40 05 19 00-3750		EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	27,043.75	941.48
40 05 19 00-3751		EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,911.21	1,066.09
40 05 19 00-3752		EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,988.53	1,218.39
40 05 19 00-3753			**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3754		EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,025.31	173.53
40 05 19 00-3755		EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,409.44	186.45
40 05 19 00-3756		EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,219.52	207.68
40 05 19 00-3757		EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,605.38	215.98
40 05 19 00-3758		EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,984.35	237.22
40 05 19 00-3759		EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,122.07	250.13
40 05 19 00-3760		EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,317.25	252.90
40 05 19 00-3761		EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,387.32	265.83
40 05 19 00-3762		EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,432.08	295.37
40 05 19 00-3763		EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,552.01	278.75
40 05 19 00-3764		EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,162.17	308.29
40 05 19 00-3765		EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,893.59	323.99
40 05 19 00-3766		EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,675.19	317.98
40 05 19 00-3767		EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,574.42	347.52
40 05 19 00-3768		EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,534.39	362.75
40 05 19 00-3769		EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,423.33	376.13
40 05 19 00-3770		EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,352.05	404.28
40 05 19 00-3771		EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,455.89	417.67
40 05 19 00-3772		EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,598.92	456.90
40 05 19 00-3773		EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,701.21	482.28
40 05 19 00-3774		EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,166.63	521.50
40 05 19 00-3775		EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,635.53	563.05
40 05 19 00-3776		EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,995.16	523.81
40 05 19 00-3777		EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,782.95	563.05
40 05 19 00-3778		EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,574.25	604.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,458.49	597.90
40 05 19 00-3780		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-2073)*		
40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,020.16	152.30
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,433.86	194.76
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,321.22	220.60
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,104.39	279.68
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,143.19	310.13
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,909.33	336.90
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,983.90	415.36
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,409.78	498.43
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,572.38	627.65
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,421.92	710.73
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,630.40	941.48
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,764.75	1,066.09
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,098.41	1,218.39
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,715.68	1,495.29
40 05 19 00-3795		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-2073)*		
40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,259.12	244.60
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,628.27	300.91
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,343.19	335.98
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,310.23	436.59
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,416.75	476.28
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,907.36	512.28
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,394.00	646.12
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,934.63	738.41
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,981.83	932.26
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,675.35	1,029.17
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	24,094.33	1,421.45
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	34,028.07	1,629.14
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,595.01	1,882.97
40 05 19 00-3809		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-2073)*		
40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,671.98	273.21
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,160.74	278.75
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,129.91	313.83
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,872.29	308.29
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,802.83	343.37
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,922.05	365.52
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,660.29	323.99
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,619.37	359.05
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,777.23	381.21
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,356.88	452.28
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,230.14	336.90
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,108.60	371.98
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,289.96	394.13
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,495.07	465.20
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,777.36	489.66
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,309.09	376.13
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,315.84	411.21
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,438.42	433.36
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,563.95	504.43
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,882.15	528.89
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,019.91	551.50
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,936.40	452.74
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,986.12	474.89
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,944.32	545.96
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,566.53	570.43
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,087.24	593.04
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,524.52	687.65
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,459.64	517.35
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,597.34	539.51
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,864.59	610.58
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,165.35	635.04
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,251.67	657.65
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,921.78	752.27
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,102.84	803.03
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,772.20	558.89
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,151.76	581.04
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,452.61	652.11
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,581.40	676.57
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,825.61	699.19

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40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,108.36	793.80
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,623.42	844.56
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,084.07	902.49
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,310.78	674.26
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,399.78	696.42
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,846.74	767.50
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,883.80	791.96
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,918.06	814.56
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,061.41	909.18
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,697.64	959.94
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,711.39	1,089.17
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,447.79	1,144.55
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,737.82	965.02
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,989.46	982.55
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,121.11	1,032.86
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,320.81	1,052.71
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,405.18	1,070.71
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,617.44	1,137.62
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,746.14	1,183.78
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,116.37	1,280.69
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,700.40	1,329.16
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,392.22	1,525.29
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,106.42	930.40
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,202.82	953.02
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,463.75	1,047.63
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,601.13	1,098.39
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,037.10	1,227.62
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,603.06	1,283.00
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,605.78	1,559.91
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	69,678.74	1,705.28
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,541.41	1,080.40
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,575.67	1,103.01
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,897.06	1,197.62
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,973.98	1,248.38
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,409.95	1,377.61
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,917.12	1,433.00
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	59,178.16	1,709.90

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,356.54	244.60
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,912.12	300.91
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,823.56	335.98
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,220.57	436.59
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,679.81	476.28
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,399.48	512.28
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,845.17	646.12
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,478.18	738.41
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,455.88	932.26
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,903.54	1,029.17
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,630.30	1,421.45
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	42,157.34	1,629.14

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,112.99	244.60
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,616.51	300.91
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,381.82	335.98
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,138.91	436.59
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,729.16	476.28
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,320.54	512.28

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,432.56	336.90
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,005.96	365.06
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,086.40	407.05
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,581.09	371.05
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,755.99	419.98
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,818.65	451.36
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,383.33	400.59
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,653.96	449.52
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,946.74	480.90
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,750.57	593.50
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,414.17	415.82
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,585.71	464.74
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,878.49	496.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,732.69	608.73
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,383.99	642.42
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,514.66	478.13
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,807.42	509.51
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,317.33	622.12
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,811.78	655.81
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,101.90	687.65
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,576.81	517.35
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,916.61	548.73
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,428.18	661.35
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,969.68	695.04
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,905.16	726.88
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,833.05	876.87
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,913.53	558.89
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,253.32	590.27
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,667.49	702.88
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,208.97	736.57
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,330.49	768.41
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,999.48	918.40
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,380.95	978.40
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,884.16	623.50
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,247.48	654.88
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,628.05	767.50
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,204.82	801.18
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,360.55	833.03
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,376.59	983.02
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,781.58	1,043.02
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,812.62	1,236.85
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,721.81	665.04
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,982.67	696.42
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,519.43	809.03
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,886.25	842.72
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,092.37	874.56
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,687.46	1,024.55
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,515.48	1,084.55
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,383.05	1,207.09
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,068.99	1,347.61
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,980.37	958.10
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,084.05	989.94
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,704.33	1,139.93
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,911.12	1,199.93
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,822.92	1,393.76
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,411.06	1,462.99
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,949.15	1,901.42
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,358.59	1,218.85
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,399.85	1,246.08
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,927.80	1,368.38
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,122.56	1,423.76
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,874.54	1,585.29
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,870.87	1,647.59
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,502.17	2,005.26
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,394.82	2,192.17
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,651.50	1,278.38
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,804.54	1,338.38
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,672.65	1,532.22
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,734.92	1,601.44
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,898.80	2,039.88
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	80,092.12	2,268.33
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,440.21	1,682.21
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,502.47	1,751.43
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	62,890.04	2,189.87

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,013.70	173.53
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,344.01	186.45
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,429.91	207.68
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,788.51	215.98
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,783.72	237.22
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,001.49	250.13
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,277.53	231.68
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,314.73	252.90
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,477.08	265.83
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,693.16	295.37
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,799.56	265.83
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,015.65	278.75
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,228.36	308.29
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,137.93	323.99
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,324.25	305.06
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,172.51	317.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,427.21	347.52
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,833.24	362.75
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,308.69	376.13
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,021.49	359.52
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,311.46	389.05
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,272.40	404.28
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,793.20	417.67
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,750.18	456.90
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,898.73	424.13
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,205.49	453.67
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,084.13	468.90
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,724.17	482.28
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,392.26	521.50
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,427.68	563.05
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,082.39	495.20
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,651.34	510.43
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,812.71	523.81
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,998.75	563.05
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,210.53	604.58
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,620.29	597.90
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,703.45	678.42
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,107.35	719.96
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,882.12	784.57
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,070.39	826.11
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,554.48	740.72
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,795.45	782.27
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,837.28	846.87
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,768.56	888.40
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,314.98	1,003.79
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,981.93	964.56
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	29,043.97	1,079.94
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,564.77	1,142.24
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,395.56	1,114.55
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,441.46	1,229.93
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,444.28	1,292.24
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	45,010.60	1,368.38

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,082.56	173.53
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,422.95	186.45
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,550.85	207.68
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,788.51	215.98
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,867.70	237.22
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,082.11	250.13
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,277.53	231.68
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,408.79	252.90
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,574.49	265.83
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,862.79	295.37
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,799.56	265.83
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,965.26	278.75
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,204.85	308.29
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,571.27	323.99
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,324.25	305.06
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,536.98	317.98
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,828.63	347.52
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,143.96	362.75
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,308.69	376.13
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,021.49	359.52
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,311.46	389.05
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,625.11	404.28
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,793.20	417.67
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,144.89	456.90
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,160.74	424.13
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,390.25	453.67
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,598.09	468.90
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,724.17	482.28
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,149.76	521.50
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,422.64	563.05
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,269.44	465.66
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,203.32	495.20
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,332.22	510.43
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,456.63	523.81
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,883.90	563.05
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,210.53	604.58
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,620.29	597.90
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,427.10	639.20
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,453.59	678.42
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,162.77	719.96
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,882.12	784.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,070.39	826.11
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,573.60	740.72
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,217.67	782.27
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,160.40	846.87
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,709.77	888.40
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,612.27	1,003.79
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,981.93	964.56
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	29,043.97	1,079.94
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,564.77	1,142.24
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,441.46	1,229.93
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,444.28	1,292.24
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	45,010.60	1,368.38

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	499.04	60.00
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	759.07	88.61
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,012.68	105.22
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,470.90	122.76
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,948.16	144.00
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,681.84	161.52
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,239.17	184.60
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,360.48	258.45
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,852.44	323.06
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,574.15	392.29
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,420.92	456.90
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,268.83	503.05
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,352.81	553.81
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,455.72	623.04

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	45.55
		For Zinc Plated, Add	*12.75*
		For Hot Dip Galvanized, Add	*18.22*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	70.28
		For Zinc Plated, Add	*19.68*
		For Hot Dip Galvanized, Add	*28.11*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	76.32
		For Zinc Plated, Add	*21.37*
		For Hot Dip Galvanized, Add	*30.53*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	171.43
		For Zinc Plated, Add	*48.00*
		For Hot Dip Galvanized, Add	*68.57*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	172.93
		For Zinc Plated, Add	*48.42*
		For Hot Dip Galvanized, Add	*69.17*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	193.75
		For Zinc Plated, Add	*54.25*
		For Hot Dip Galvanized, Add	*77.50*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	325.71
		For Zinc Plated, Add	*91.20*
		For Hot Dip Galvanized, Add	*130.28*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	473.18
		For Zinc Plated, Add	*132.49*
		For Hot Dip Galvanized, Add	*189.27*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	597.45
		For Zinc Plated, Add	*167.29*
		For Hot Dip Galvanized, Add	*238.98*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	854.84
		For Zinc Plated, Add	*239.36*
		For Hot Dip Galvanized, Add	*341.94*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	1,350.78
		For Zinc Plated, Add	*378.22*
		For Hot Dip Galvanized, Add	*540.31*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,926.91
		For Zinc Plated, Add	*539.53*
		For Hot Dip Galvanized, Add	*770.76*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,478.92	
		For Zinc Plated, Add	*694.10*	
		For Hot Dip Galvanized, Add	*991.57*	
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	3,029.78	
		For Zinc Plated, Add	*848.34*	
		For Hot Dip Galvanized, Add	*1,211.91*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.40
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.12
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.10
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.84
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.57

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.15
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.26
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.01
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	158.00
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.98
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.95
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.67
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.79
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.74

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.69
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.43
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.67
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.59
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.58
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.51
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.48
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.61
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.07

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.15
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.76
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.50
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.49
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.74
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.96
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.43
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.03
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4179		Full Face Flange FKM Gaskets *(40 05 19 00-4118)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	146.36	
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	217.91	
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	291.09	
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	351.26	
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	456.96	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	835.87	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	957.83	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	1,003.37	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,070.04	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,479.84	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,774.18	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,871.76	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,333.60	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,445.80	
40 05 19 00-4194		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	423.81	82.38
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	587.00	100.56
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	867.28	122.65
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,189.99	149.62
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,510.30	182.46
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,422.06	222.60
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,804.16	271.67
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,931.11	331.35
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,816.09	404.33
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,368.81	493.18
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,917.14	601.79
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,273.24	734.09
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,718.30	895.67
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,124.60	1,092.65

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001		Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assemblies *(40 05 23 23)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	34.88	11.11
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.27*	
		For Work In Restricted Working Space, Add	*6.69*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	39.68	12.73
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.43*	
		For Work In Restricted Working Space, Add	*7.95*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	46.20	14.36
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.02*	
		For Work In Restricted Working Space, Add	*9.23*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	52.61	17.33
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.07*	
		For Work In Restricted Working Space, Add	*9.94*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	57.83	17.83
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.81*	
		For Work In Restricted Working Space, Add	*10.65*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	70.00	23.57
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*7.08*	
		For Work In Restricted Working Space, Add	*12.83*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	99.81	29.05
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*12.18*	
		For Work In Restricted Working Space, Add	*15.89*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	125.80	33.67
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*15.86*	
		For Work In Restricted Working Space, Add	*19.44*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	170.06	33.67
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*24.67*	
40 05 23 23-0011		Stainless Steel Tubing And Fittings *(40 05 23 23)*		
40 05 23 23-0012		Type 304 Tubing *(40 05 23 23-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0013		**0.035" Wall** *(40 05 23 23-0012)*		
40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.62	3.65
		For Work In Restricted Working Space, Add	*2.18*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	11.17	4.34
		For Work In Restricted Working Space, Add	*2.61*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	13.32	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	21.20	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	25.07	6.50
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	27.75	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	31.13	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0021		**0.049" Wall** *(40 05 23 23-0012)*		
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	15.67	4.34
		For Work In Restricted Working Space, Add	*2.61*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	17.50	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	20.99	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	26.55	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	30.45	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	34.28	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	39.53	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0029		**0.065" Wall** *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	18.29	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	21.05	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	25.97	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	30.56	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	36.01	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	41.36	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	46.61	13.01
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0037		**Type 304 Tube Fittings** *(40 05 23 23-0011)*		
40 05 23 23-0038		**90 Degree Elbows** *(40 05 23 23-0037)*		
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	58.71	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	69.18	15.99
		For Work In Restricted Working Space, Add	*9.56*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	103.01	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	110.22	20.19
		For Work In Restricted Working Space, Add	*12.14*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	123.13	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	167.04	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	212.31	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0046		**Union Tees** *(40 05 23 23-0037)*		
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	92.90	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	112.21	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	152.10	27.09
		For Work In Restricted Working Space, Add	*16.26*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	163.99	30.76
		For Work In Restricted Working Space, Add	*18.47*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	208.20	33.06
		For Work In Restricted Working Space, Add	*19.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	327.56	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	392.54	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0054		**Unions** *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	88.99	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	114.42	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	153.55	27.09
		For Work In Restricted Working Space, Add	*16.26*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	186.72	30.76
		For Work In Restricted Working Space, Add	*18.47*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	222.03	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	338.60	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	361.26	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0062		**Male Connectors** *(40 05 23 23-0037)*		
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	44.70	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	55.40	15.99
		For Work In Restricted Working Space, Add	*9.56*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	71.32	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	80.35	20.19
		For Work In Restricted Working Space, Add	*12.14*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	96.58	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	143.75	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	151.23	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0070		**Type 304 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0071		**Gate Valves** *(40 05 23 23-0070)*		
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	236.81	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	397.40	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	413.52	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	458.54	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	422.68	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*		
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	240.04	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	159.59	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	285.61	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	318.06	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	463.39	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*		
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	335.07	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	337.15	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	222.89	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	233.72	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	259.83	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0089		**Plug Valves** *(40 05 23 23-0070)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	518.04	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	567.39	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	643.27	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	891.96	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,161.95	67.74
		For Work In Restricted Working Space, Add	*40.64*	
40 05 23 23-0095		Type 316 Tubing *(40 05 23 23-0011)*		
40 05 23 23-0096		0.035" Wall *(40 05 23 23-0095)*		
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.98	3.65
		For Work In Restricted Working Space, Add	*2.18*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.92	4.34
		For Work In Restricted Working Space, Add	*2.61*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	14.39	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	24.03	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	27.26	6.50
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	34.50	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	36.36	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0104		0.049" Wall *(40 05 23 23-0095)*		
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	17.18	4.34
		For Work In Restricted Working Space, Add	*2.61*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	19.09	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	22.48	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	29.30	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	33.87	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	43.07	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	44.14	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0112		0.065" Wall *(40 05 23 23-0095)*		
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	20.09	5.15
		For Work In Restricted Working Space, Add	*3.05*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.43	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	28.13	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	33.53	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	40.58	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	44.75	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	52.07	13.01
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0120		Type 316 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0121		90 Degree Elbows *(40 05 23 23-0120)*		
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	80.07	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	96.11	15.99
		For Work In Restricted Working Space, Add	*9.56*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	151.29	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	160.60	20.19
		For Work In Restricted Working Space, Add	*12.14*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	180.47	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	252.69	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	323.97	28.86
		For Work In Restricted Working Space, Add	*17.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	128.42	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	158.29	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	222.78	27.09
		For Work In Restricted Working Space, Add	*16.26*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	237.92	30.76
		For Work In Restricted Working Space, Add	*18.47*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	310.80	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	511.18	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	612.83	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	83.57	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	106.53	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	141.67	27.09
		For Work In Restricted Working Space, Add	*16.26*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	171.76	30.76
		For Work In Restricted Working Space, Add	*18.47*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	203.39	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	306.88	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	328.52	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0145		**Male Connectors** *(40 05 23 23-0120)*		
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	55.71	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	72.02	15.99
		For Work In Restricted Working Space, Add	*9.56*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	96.20	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	108.55	20.19
		For Work In Restricted Working Space, Add	*12.14*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	133.96	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	211.17	24.26
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	217.38	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0153		**Type 316 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	300.53	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	512.30	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	528.42	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	585.26	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	530.93	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	728.21	45.38
		For Work In Restricted Working Space, Add	*27.23*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,168.11	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,390.03	67.74
		For Work In Restricted Working Space, Add	*40.64*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,073.14	216.90
		For Work In Restricted Working Space, Add	*130.10*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	304.81	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	197.72	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	359.22	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	399.42	33.06
		For Work In Restricted Working Space, Add	*19.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	584.78	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	729.60	45.12
		For Work In Restricted Working Space, Add	*27.03*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,210.88	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,432.80	67.74
		For Work In Restricted Working Space, Add	*40.64*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,802.27	216.90
		For Work In Restricted Working Space, Add	*130.10*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	430.51	21.81
		For Work In Restricted Working Space, Add	*11.84*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	432.59	25.61
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	276.25	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	287.84	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	315.50	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	435.49	45.38
		For Work In Restricted Working Space, Add	*27.23*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	968.52	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,176.19	67.74
		For Work In Restricted Working Space, Add	*40.64*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,334.50	216.90
		For Work In Restricted Working Space, Add	*130.10*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	462.93	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	540.75	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	689.76	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,098.20	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,534.52	67.74
		For Work In Restricted Working Space, Add	*40.64*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	612.82	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	704.53	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	853.54	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,328.59	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,809.32	67.74
		For Work In Restricted Working Space, Add	*40.64*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	614.27	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	735.08	33.19
		For Work In Restricted Working Space, Add	*19.92*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	961.81	44.03
		For Work In Restricted Working Space, Add	*26.42*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,193.93	45.38
		For Work In Restricted Working Space, Add	*27.23*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,498.30	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,160.60	67.74
		For Work In Restricted Working Space, Add	*40.65*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,969.14	90.10
		For Work In Restricted Working Space, Add	*54.06*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,324.06	135.48
		For Work In Restricted Working Space, Add	*81.29*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,536.51	216.76
		For Work In Restricted Working Space, Add	*130.05*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	654.50	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	715.98	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	808.04	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,127.04	49.45
		For Work In Restricted Working Space, Add	*29.67*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,466.21	67.74
		For Work In Restricted Working Space, Add	*40.64*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	27.08	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	29.25	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	32.91	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	34.53	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	36.56	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	39.26	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	41.98	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	46.03	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	50.10	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	54.16	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	58.22	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	63.65	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	69.06	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	74.47	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	79.89	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	83.96	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	88.01	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	93.43	

40 05 23 23-0231 Stainless Steel Pipe And Fittings *(40 05 23 23)*

40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0232)*

40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	17.82	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	22.01	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	26.93	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	32.18	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	37.13	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	47.30	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	62.79	17.34
		For Work In Restricted Working Space, Add	*10.42*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	78.94	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	106.43	28.86
		For Work In Restricted Working Space, Add	*17.30*	

40 05 23 23-0243 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0244	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	47.88	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0245	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	63.60	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0246	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	81.91	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0247	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	115.17	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0248	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	137.53	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0249	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	167.65	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0250	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	282.84	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0251	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	364.01	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0252	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	503.07	180.60
		For Work In Restricted Working Space, Add	*108.38*	

40 05 23 23-0253 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0254	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	48.84	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0255	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	65.15	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0256	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	82.39	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0257	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	114.98	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0258	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	135.24	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0259	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	167.11	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0260	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	293.23	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0261	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	384.28	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0262	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	526.67	180.60
		For Work In Restricted Working Space, Add	*108.38*	

40 05 23 23-0263 150 Lb., Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*

40 05 23 23-0264	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	71.74	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0265	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	96.37	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0266	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Tee	119.82	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0267	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	173.25	75.33
		For Work In Restricted Working Space, Add	*45.16*	
40 05 23 23-0268	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	197.59	84.68
		For Work In Restricted Working Space, Add	*50.80*	
40 05 23 23-0269	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Tee	262.09	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0270	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	404.26	163.25
		For Work In Restricted Working Space, Add	*97.94*	
40 05 23 23-0271	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Tee	549.16	218.53
		For Work In Restricted Working Space, Add	*131.11*	
40 05 23 23-0272	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Tee	744.43	270.96
		For Work In Restricted Working Space, Add	*162.57*	

40 05 23 23-0273 150 Lb., Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*

40 05 23 23-0274	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	62.88	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0275	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Reducer	80.39	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0276	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	110.82	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0277	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	132.86	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0278	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	167.75	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0279	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	279.77	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0280	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Reducer	368.20	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0281	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	488.57	180.60
		For Work In Restricted Working Space, Add	*108.38*	

40 05 23 23-0282 150 Lb., Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*

40 05 23 23-0283	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	24.63	10.97
		For Work In Restricted Working Space, Add	*6.56*	
40 05 23 23-0284	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	32.60	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0285	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Cap	41.34	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0286	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	60.55	25.61
		For Work In Restricted Working Space, Add	*15.34*	
40 05 23 23-0287	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	70.01	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0288	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Cap	88.99	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0289	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	136.83	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0290	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Cap	181.91	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0291	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Cap	247.16	90.36
		For Work In Restricted Working Space, Add	*54.19*	

40 05 23 23-0292 150 Lb., Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0293	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	77.78	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0294	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Union	102.22	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0295	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Union	130.77	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0296	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Union	189.36	75.33
		For Work In Restricted Working Space, Add	*45.16*	
40 05 23 23-0297	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	213.21	84.68
		For Work In Restricted Working Space, Add	*50.80*	
40 05 23 23-0298	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Union	278.35	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0299	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	481.03	169.34
		For Work In Restricted Working Space, Add	*101.61*	
40 05 23 23-0300	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Union	616.28	218.53
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0301	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Union	652.26	180.66
		For Work In Restricted Working Space, Add	*108.40*	

40 05 23 23-0302 150 Lb., Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*

40 05 23 23-0303	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	47.48	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0304	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	63.07	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0305	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Coupling	81.48	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0306	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	113.46	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0307	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	133.37	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0308	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	164.55	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0309	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	273.97	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0310	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Coupling	353.62	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0311	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	458.04	180.60
		For Work In Restricted Working Space, Add	*108.38*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings
(40 05 23 23-0231)

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	21.09	5.82
		For Work In Restricted Working Space, Add	*3.49*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	25.24	7.32
		For Work In Restricted Working Space, Add	*4.37*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	31.57	8.80
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	38.25	10.16
		For Work In Restricted Working Space, Add	*6.11*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	44.31	11.52
		For Work In Restricted Working Space, Add	*6.95*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	56.92	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	76.23	17.34
		For Work In Restricted Working Space, Add	*10.42*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	98.99	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	132.52	28.86
		For Work In Restricted Working Space, Add	*17.30*	

40 05 23 23-0323 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	49.13	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0325	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	65.47	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0326	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	83.06	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0327	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	117.23	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0328	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	140.28	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0329	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	171.04	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0330	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	288.26	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0331	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	377.28	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0332	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	519.20	180.60
		For Work In Restricted Working Space, Add	*108.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0333		**150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0312)*		
40 05 23 23-0334	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	50.15	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0335	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	66.11	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0336	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	83.80	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0337	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	117.01	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0338	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	137.61	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0339	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	170.29	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0340	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	298.33	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0341	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	396.03	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0342	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	558.37	180.60
		For Work In Restricted Working Space, Add	*108.38*	
40 05 23 23-0343		**150 Lb., Type 316 Stainless Steel Threaded Tees** *(40 05 23 23-0312)*		
40 05 23 23-0344	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	73.08	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0345	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	97.73	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0346	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Tee	121.34	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0347	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	176.35	75.33
		For Work In Restricted Working Space, Add	*45.16*	
40 05 23 23-0348	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	200.66	84.68
		For Work In Restricted Working Space, Add	*50.80*	
40 05 23 23-0349	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Tee	266.12	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0350	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	420.74	163.25
		For Work In Restricted Working Space, Add	*97.94*	
40 05 23 23-0351	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Tee	571.62	218.53
		For Work In Restricted Working Space, Add	*131.11*	
40 05 23 23-0352	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Tee	761.17	270.96
		For Work In Restricted Working Space, Add	*162.57*	
40 05 23 23-0353		**150 Lb., Type 316 Stainless Steel Threaded Reducers** *(40 05 23 23-0312)*		
40 05 23 23-0354	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	64.03	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0355	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Reducer	83.78	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0356	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	111.46	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0357	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	136.20	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0358	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	173.60	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0359	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	293.07	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0360	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Reducer	382.89	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0361	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	513.05	180.60
		For Work In Restricted Working Space, Add	*108.38*	
40 05 23 23-0362		**150 Lb., Type 316 Stainless Steel Threaded Caps** *(40 05 23 23-0312)*		
40 05 23 23-0363	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	25.37	10.97
		For Work In Restricted Working Space, Add	*6.56*	
40 05 23 23-0364	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	33.16	14.64
		For Work In Restricted Working Space, Add	*8.74*	
40 05 23 23-0365	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Cap	42.33	18.02
		For Work In Restricted Working Space, Add	*10.84*	
40 05 23 23-0366	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	63.30	25.61
		For Work In Restricted Working Space, Add	*15.34*	
40 05 23 23-0367	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	73.27	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0368	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Cap	93.23	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0369	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	143.85	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0370	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Cap	189.04	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0371	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Cap	261.31	90.36
		For Work In Restricted Working Space, Add	*54.19*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0372		**150 Lb., Type 316 Stainless Steel Threaded Unions** *(40 05 23 23-0312)*		
40 05 23 23-0373	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	79.38	33.06
		For Work In Restricted Working Space, Add	*19.82*	
40 05 23 23-0374	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Union	108.28	43.76
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-0375	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Union	133.84	54.19
		For Work In Restricted Working Space, Add	*32.52*	
40 05 23 23-0376	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Union	194.56	75.33
		For Work In Restricted Working Space, Add	*45.16*	
40 05 23 23-0377	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	219.30	84.68
		For Work In Restricted Working Space, Add	*50.80*	
40 05 23 23-0378	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Union	285.40	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0379	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	491.85	169.34
		For Work In Restricted Working Space, Add	*101.61*	
40 05 23 23-0380	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Union	649.98	218.53
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0381	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Union	724.09	180.66
		For Work In Restricted Working Space, Add	*108.40*	
40 05 23 23-0382		**150 Lb., Type 316 Stainless Steel Threaded Couplings** *(40 05 23 23-0312)*		
40 05 23 23-0383	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	50.01	21.81
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-0384	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	64.25	28.86
		For Work In Restricted Working Space, Add	*17.30*	
40 05 23 23-0385	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Coupling	82.60	36.58
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0386	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	115.25	50.13
		For Work In Restricted Working Space, Add	*30.11*	
40 05 23 23-0387	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	135.50	58.94
		For Work In Restricted Working Space, Add	*35.34*	
40 05 23 23-0388	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	167.51	71.26
		For Work In Restricted Working Space, Add	*42.78*	
40 05 23 23-0389	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	284.33	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-0390	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Coupling	366.97	145.64
		For Work In Restricted Working Space, Add	*87.41*	
40 05 23 23-0391	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	478.07	180.60
		For Work In Restricted Working Space, Add	*108.38*	
40 05 23 23-0392		**Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0393		**Type 304, Schedule 10 Stainless Steel Pipe** *(40 05 23 23-0392)*		
40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	19.40	5.69
		For Work In Restricted Working Space, Add	*3.42*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	23.19	6.95
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	30.13	8.22
		For Work In Restricted Working Space, Add	*4.90*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.92	10.25
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	41.16	11.51
		For Work In Restricted Working Space, Add	*6.90*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	50.92	14.29
		For Work In Restricted Working Space, Add	*8.55*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	60.46	16.32
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	70.86	18.34
		For Work In Restricted Working Space, Add	*11.00*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	88.24	21.76
		For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	126.99	28.59
		For Work In Restricted Working Space, Add	*17.09*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	213.83	49.77
		For Work In Restricted Working Space, Add	*31.98*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	268.25	54.73
		For Work In Restricted Working Space, Add	*35.18*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	318.48	60.85
		For Work In Restricted Working Space, Add	*39.09*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	388.29	68.41
		For Work In Restricted Working Space, Add	*43.98*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	429.11	78.19
		For Work In Restricted Working Space, Add	*50.26*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	482.78	91.21
		For Work In Restricted Working Space, Add	*58.64*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	660.82	109.46
		For Work In Restricted Working Space, Add	*70.37*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	858.53	136.82
		For Work In Restricted Working Space, Add	*87.95*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0412		Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*		
40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	150.67	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	159.54	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	175.84	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	191.92	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	211.99	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	237.06	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	308.48	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	361.89	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	443.70	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	610.54	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,031.09	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,531.81	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,314.61	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,739.19	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,223.18	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,075.84	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,681.04	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	8,157.75	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0431		Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*		
40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	152.58	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	161.45	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	178.13	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	194.98	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	212.37	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	237.06	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	306.57	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	358.45	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	437.20	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	576.55	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	965.53	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,415.09	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,129.82	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,512.38	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,943.25	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,708.23	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	5,185.01	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	7,454.10	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0450		Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	204.26	82.47
		For Work In Restricted Working Space, Add	*54.98*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	245.97	101.23
		For Work In Restricted Working Space, Add	*67.49*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	273.76	113.75
		For Work In Restricted Working Space, Add	*75.83*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	311.57	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	330.41	139.23
		For Work In Restricted Working Space, Add	*92.82*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	360.00	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	467.95	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	548.00	228.04
		For Work In Restricted Working Space, Add	*152.03*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	630.60	255.93
		For Work In Restricted Working Space, Add	*170.62*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	922.90	341.23
		For Work In Restricted Working Space, Add	*227.49*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,505.00	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,314.61	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,982.16	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,674.42	1,132.46
		For Work In Restricted Working Space, Add	*754.97*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	4,448.81	1,381.48
		For Work In Restricted Working Space, Add	*920.98*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	5,660.67	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	7,578.31	2,314.58
		For Work In Restricted Working Space, Add	*1,543.05*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	11,350.27	3,518.15
		For Work In Restricted Working Space, Add	*2,345.44*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	190.54	68.90
		For Work In Restricted Working Space, Add	*45.93*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	225.04	84.43
		For Work In Restricted Working Space, Add	*56.28*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	279.14	94.87
		For Work In Restricted Working Space, Add	*63.24*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	287.29	108.15
		For Work In Restricted Working Space, Add	*72.10*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	300.63	116.20
		For Work In Restricted Working Space, Add	*77.47*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	396.37	126.64
		For Work In Restricted Working Space, Add	*84.43*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	466.42	151.80
		For Work In Restricted Working Space, Add	*101.20*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	574.37	189.73
		For Work In Restricted Working Space, Add	*126.48*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	763.58	216.78
		For Work In Restricted Working Space, Add	*144.52*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,443.75	314.12
		For Work In Restricted Working Space, Add	*209.41*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,401.97	418.83
		For Work In Restricted Working Space, Add	*279.22*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,425.39	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,157.53	754.76
		For Work In Restricted Working Space, Add	*503.17*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,152.21	920.66
		For Work In Restricted Working Space, Add	*613.77*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	6,656.81	1,172.72
		For Work In Restricted Working Space, Add	*781.81*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	9,495.12	1,543.05
		For Work In Restricted Working Space, Add	*1,028.70*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	14,868.88	2,343.35
		For Work In Restricted Working Space, Add	*1,562.24*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	152.21	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	167.77	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	185.98	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	197.44	82.50
		For Work In Restricted Working Space, Add	*54.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	215.04	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	290.40	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	328.10	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	383.37	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	495.33	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	775.63	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	988.20	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,330.11	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,909.40	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,237.30	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,750.36	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,876.28	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	5,572.69	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	188.11	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	194.12	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	204.03	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	230.28	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	238.72	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	316.37	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	353.69	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	403.16	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	566.74	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	928.73	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,286.82	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,606.04	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,545.93	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,966.67	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,640.52	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	5,302.73	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	7,463.18	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	83.93	32.45
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	92.57	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	101.67	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	112.10	41.24
		For Work In Restricted Working Space, Add	*27.50*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	119.93	45.54
		For Work In Restricted Working Space, Add	*30.37*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	129.03	50.67
		For Work In Restricted Working Space, Add	*33.78*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	167.81	64.87
		For Work In Restricted Working Space, Add	*43.24*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	189.16	76.02
		For Work In Restricted Working Space, Add	*50.68*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	228.15	90.99
		For Work In Restricted Working Space, Add	*60.65*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	295.36	113.84
		For Work In Restricted Working Space, Add	*75.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	495.14	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	659.26	251.30
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	969.03	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,138.28	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,322.42	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,671.94	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,305.25	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,410.17	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	21.37	5.69
		For Work In Restricted Working Space, Add	*3.42*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	25.98	6.95
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	31.64	8.22
		For Work In Restricted Working Space, Add	*4.90*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	39.55	10.12
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	45.43	11.39
		For Work In Restricted Working Space, Add	*6.90*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	57.95	14.55
		For Work In Restricted Working Space, Add	*8.55*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	71.18	16.44
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	70.67	18.34
		For Work In Restricted Working Space, Add	*11.00*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	112.14	21.50
		For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	171.84	28.45
		For Work In Restricted Working Space, Add	*17.09*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	303.54	49.51
		For Work In Restricted Working Space, Add	*31.98*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	379.84	54.73
		For Work In Restricted Working Space, Add	*35.18*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	469.46	60.59
		For Work In Restricted Working Space, Add	*39.09*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	152.20	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	161.07	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	176.98	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	192.75	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	212.75	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	239.73	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	318.41	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	376.40	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	468.14	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	766.73	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,243.93	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,963.64	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,874.72	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,418.68	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,096.08	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,288.71	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	7,178.06	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	10,293.50	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0575		Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*		
40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	154.87	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	163.74	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	178.89	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	194.70	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	214.66	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	240.14	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	318.41	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	365.71	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	473.87	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	636.50	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,107.40	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,622.56	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,371.54	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,682.84	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,219.97	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,066.45	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	5,528.79	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	8,037.83	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0594		Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*		
40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	205.79	82.47
		For Work In Restricted Working Space, Add	*54.98*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	247.50	101.23
		For Work In Restricted Working Space, Add	*67.49*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	275.29	113.75
		For Work In Restricted Working Space, Add	*75.83*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	315.46	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	331.94	139.23
		For Work In Restricted Working Space, Add	*92.82*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	361.91	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	473.10	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	556.02	228.04
		For Work In Restricted Working Space, Add	*152.03*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	639.38	255.93
		For Work In Restricted Working Space, Add	*170.62*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	983.62	341.23
		For Work In Restricted Working Space, Add	*227.49*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,685.24	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,867.73	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,565.37	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,849.61	1,132.46
		For Work In Restricted Working Space, Add	*754.97*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	6,164.51	1,381.48
		For Work In Restricted Working Space, Add	*920.98*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	7,990.17	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	10,310.77	2,314.58
		For Work In Restricted Working Space, Add	*1,543.05*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	15,788.11	3,518.15
		For Work In Restricted Working Space, Add	*2,345.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	195.50	68.90
		For Work In Restricted Working Space, Add	*45.93*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	230.00	84.43
		For Work In Restricted Working Space, Add	*56.28*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	303.02	94.87
		For Work In Restricted Working Space, Add	*63.24*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	294.55	108.15
		For Work In Restricted Working Space, Add	*72.10*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	300.63	116.20
		For Work In Restricted Working Space, Add	*77.47*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	371.97	126.64
		For Work In Restricted Working Space, Add	*84.43*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	412.57	151.80
		For Work In Restricted Working Space, Add	*101.20*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	546.11	189.73
		For Work In Restricted Working Space, Add	*126.48*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	768.17	216.78
		For Work In Restricted Working Space, Add	*144.52*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,281.66	314.12
		For Work In Restricted Working Space, Add	*209.41*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,452.69	418.83
		For Work In Restricted Working Space, Add	*279.22*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,526.85	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,015.17	754.76
		For Work In Restricted Working Space, Add	*503.17*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,973.91	920.66
		For Work In Restricted Working Space, Add	*613.77*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	6,424.30	1,172.72
		For Work In Restricted Working Space, Add	*781.81*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	9,146.93	1,543.05
		For Work In Restricted Working Space, Add	*1,028.70*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	14,314.33	2,343.35
		For Work In Restricted Working Space, Add	*1,562.24*	
40 05 23 23-0631		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	156.03	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	171.59	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	186.25	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	201.26	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	217.33	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	290.40	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	314.35	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	363.82	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	498.38	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	840.48	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,099.57	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,429.50	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,132.46	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,517.71	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,318.21	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	4,546.08	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	6,266.34	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	189.67	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	202.14	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	231.53	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	244.41	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	260.49	91.10
		For Work In Restricted Working Space, Add	*60.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	316.37	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	401.04	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	435.24	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	598.44	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	932.04	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,283.94	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,756.17	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,933.16	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,325.83	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,363.67	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	5,659.61	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	9,045.01	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	85.07	32.45
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	91.42	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	102.81	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	117.20	41.24
		For Work In Restricted Working Space, Add	*27.50*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	124.90	45.54
		For Work In Restricted Working Space, Add	*30.37*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	128.65	50.67
		For Work In Restricted Working Space, Add	*33.78*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	165.24	64.87
		For Work In Restricted Working Space, Add	*43.24*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	190.69	76.02
		For Work In Restricted Working Space, Add	*50.68*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	232.73	90.99
		For Work In Restricted Working Space, Add	*60.65*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	323.62	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	540.51	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	723.42	251.30
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	1,091.31	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,250.29	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,476.51	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,854.56	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,548.79	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,817.36	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	

40 05 23 23-0685 Type 304, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0541)*

Note: Threaded Female x Butt Weld Straight Adapter

40 05 23 23-0686	EA	1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	137.22	64.89
		For Work In Restricted Working Space, Add	*38.93*	
40 05 23 23-0687	EA	3/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	146.61	68.93
		For Work In Restricted Working Space, Add	*41.32*	
40 05 23 23-0688	EA	1", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	166.95	75.64
		For Work In Restricted Working Space, Add	*45.42*	
40 05 23 23-0689	EA	1-1/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	184.67	82.47
		For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-0690	EA	1-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	207.46	91.07
		For Work In Restricted Working Space, Add	*54.64*	
40 05 23 23-0691	EA	2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	237.30	101.32
		For Work In Restricted Working Space, Add	*60.83*	
40 05 23 23-0692	EA	2-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	330.71	129.77
		For Work In Restricted Working Space, Add	*77.83*	
40 05 23 23-0693	EA	3", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	423.20	152.03
		For Work In Restricted Working Space, Add	*91.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0694	EA	4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	511.03	182.01
		For Work In Restricted Working Space, Add	*109.17*	
40 05 23 23-0695		**Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0696		**Type 316, Schedule 10 Stainless Steel Pipe** *(40 05 23 23-0695)*		
40 05 23 23-0697	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	21.91	5.69
		For Work In Restricted Working Space, Add	*3.42*	
40 05 23 23-0698	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	26.09	6.95
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 23-0699	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	34.45	8.22
		For Work In Restricted Working Space, Add	*4.90*	
40 05 23 23-0700	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	42.08	10.25
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0701	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	46.83	11.51
		For Work In Restricted Working Space, Add	*6.90*	
40 05 23 23-0702	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	57.92	14.29
		For Work In Restricted Working Space, Add	*8.55*	
40 05 23 23-0703	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	69.17	16.32
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0704	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	81.54	18.34
		For Work In Restricted Working Space, Add	*11.00*	
40 05 23 23-0705	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	102.24	21.76
		For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0706	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	148.85	28.59
		For Work In Restricted Working Space, Add	*17.09*	
40 05 23 23-0707	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	247.31	49.77
		For Work In Restricted Working Space, Add	*31.98*	
40 05 23 23-0708	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	315.40	54.73
		For Work In Restricted Working Space, Add	*35.18*	
40 05 23 23-0709	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	377.25	60.85
		For Work In Restricted Working Space, Add	*39.09*	
40 05 23 23-0710	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	463.77	68.41
		For Work In Restricted Working Space, Add	*43.98*	
40 05 23 23-0711	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	510.81	78.19
		For Work In Restricted Working Space, Add	*50.26*	
40 05 23 23-0712	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	572.51	91.21
		For Work In Restricted Working Space, Add	*58.64*	
40 05 23 23-0713	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	793.93	109.46
		For Work In Restricted Working Space, Add	*70.37*	
40 05 23 23-0714	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,035.08	136.82
		For Work In Restricted Working Space, Add	*87.95*	
40 05 23 23-0715		**Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0695)*		
40 05 23 23-0716	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	152.58	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0717	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	161.45	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0718	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	178.13	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0719	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	195.25	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0720	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	214.28	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0721	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	239.73	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0722	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	313.45	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0723	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	369.15	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0724	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	454.77	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0725	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	639.56	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0726	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,085.13	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0727	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,656.76	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0728	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,484.97	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0729	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,899.49	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0730	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,476.73	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0731	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	4,379.88	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0732	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	6,115.37	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0733	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	8,803.13	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0734			**Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0695)*		
40 05 23 23-0735	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	154.87	64.89
			For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0736	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	163.74	68.87
			For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0737	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	180.42	75.69
			For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0738	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	198.31	82.50
			For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0739	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	214.28	91.10
			For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0740	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	239.73	101.35
			For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0741	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	311.15	129.71
			For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0742	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	365.71	152.02
			For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0743	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	446.75	181.96
			For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0744	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	592.20	227.31
			For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0745	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,000.16	376.95
			For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0746	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,622.56	502.59
			For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0747	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,371.54	753.89
			For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0748	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,793.21	879.54
			For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0749	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,281.86	1,003.27
			For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0750	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	4,150.40	1,256.49
			For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0751	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,909.18	1,759.08
			For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0752	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	8,528.50	2,512.97
			For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0753			**Type 316, Schedule 10 Stainless Steel Butt Weld Tees** *(40 05 23 23-0695)*		
40 05 23 23-0754	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee	209.23	82.47
			For Work In Restricted Working Space, Add	*54.98*	
40 05 23 23-0755	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee	250.94	101.23
			For Work In Restricted Working Space, Add	*67.49*	
40 05 23 23-0756	EA		1", Type 316, Schedule 10 Stainless Steel Tee	278.73	113.75
			For Work In Restricted Working Space, Add	*75.83*	
40 05 23 23-0757	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee	320.74	129.71
			For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0758	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee	337.67	139.23
			For Work In Restricted Working Space, Add	*92.82*	
40 05 23 23-0759	EA		2", Type 316, Schedule 10 Stainless Steel Tee	366.49	151.86
			For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0760	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee	447.13	181.96
			For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0761	EA		3", Type 316, Schedule 10 Stainless Steel Tee	560.60	228.04
			For Work In Restricted Working Space, Add	*152.03*	
40 05 23 23-0762	EA		4", Type 316, Schedule 10 Stainless Steel Tee	647.78	255.93
			For Work In Restricted Working Space, Add	*170.62*	
40 05 23 23-0763	EA		6", Type 316, Schedule 10 Stainless Steel Tee	972.17	341.23
			For Work In Restricted Working Space, Add	*227.49*	
40 05 23 23-0764	EA		8", Type 316, Schedule 10 Stainless Steel Tee	1,634.49	502.59
			For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0765	EA		10", Type 316, Schedule 10 Stainless Steel Tee	2,563.33	753.89
			For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0766	EA		12", Type 316, Schedule 10 Stainless Steel Tee	3,311.69	942.36
			For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0767	EA		14", Type 316, Schedule 10 Stainless Steel Tee	4,285.45	1,132.46
			For Work In Restricted Working Space, Add	*754.97*	
40 05 23 23-0768	EA		16", Type 316, Schedule 10 Stainless Steel Tee	5,040.55	1,381.48
			For Work In Restricted Working Space, Add	*920.98*	
40 05 23 23-0769	EA		18", Type 316, Schedule 10 Stainless Steel Tee	6,405.21	1,759.08
			For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0770	EA		20", Type 316, Schedule 10 Stainless Steel Tee	8,664.05	2,314.58
			For Work In Restricted Working Space, Add	*1,543.05*	
40 05 23 23-0771	EA		24", Type 316, Schedule 10 Stainless Steel Tee	12,302.53	3,518.15
			For Work In Restricted Working Space, Add	*2,345.44*	
40 05 23 23-0772			**Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0695)*		
40 05 23 23-0773	EA		3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	202.38	68.90
			For Work In Restricted Working Space, Add	*45.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0774	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	239.17	84.43
		For Work In Restricted Working Space, Add	*56.28*	
40 05 23 23-0775	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	296.36	94.87
		For Work In Restricted Working Space, Add	*63.24*	
40 05 23 23-0776	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	299.13	108.15
		For Work In Restricted Working Space, Add	*72.10*	
40 05 23 23-0777	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	317.05	116.20
		For Work In Restricted Working Space, Add	*77.47*	
40 05 23 23-0778	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	446.02	126.64
		For Work In Restricted Working Space, Add	*84.43*	
40 05 23 23-0779	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	421.74	151.80
		For Work In Restricted Working Space, Add	*101.20*	
40 05 23 23-0780	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	574.37	189.73
		For Work In Restricted Working Space, Add	*126.48*	
40 05 23 23-0781	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	834.24	216.78
		For Work In Restricted Working Space, Add	*144.52*	
40 05 23 23-0782	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,649.17	314.12
		For Work In Restricted Working Space, Add	*209.41*	
40 05 23 23-0783	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,087.06	418.83
		For Work In Restricted Working Space, Add	*279.22*	
40 05 23 23-0784	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,009.00	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0785	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,544.20	754.76
		For Work In Restricted Working Space, Add	*503.17*	
40 05 23 23-0786	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,636.47	920.66
		For Work In Restricted Working Space, Add	*613.77*	
40 05 23 23-0787	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	7,288.31	1,172.72
		For Work In Restricted Working Space, Add	*781.81*	
40 05 23 23-0788	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	10,440.80	1,543.05
		For Work In Restricted Working Space, Add	*1,028.70*	
40 05 23 23-0789	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	16,375.05	2,343.35
		For Work In Restricted Working Space, Add	*1,562.24*	

40 05 23 23-0790 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0695)*

40 05 23 23-0791	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	155.65	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0792	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	171.97	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0793	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	192.09	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0794	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	200.11	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0795	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	217.33	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0796	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	288.80	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0797	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	337.27	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0798	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	366.54	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0799	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	514.04	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0800	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	795.20	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0801	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,034.01	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0802	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,384.15	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0803	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,983.82	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0804	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,307.77	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0805	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,853.96	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0806	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	4,036.34	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0807	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,856.48	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	
40 05 23 23-0808	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	185.34	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0809	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	207.23	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0810	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	233.89	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0811	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	249.00	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0812	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	247.50	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0813	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	330.50	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0814	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	380.04	129.60
		For Work In Restricted Working Space, Add	*86.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0815	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	424.54	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0816	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	613.72	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0817	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,011.22	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0818	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,406.03	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0819	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,770.19	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0820	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,715.89	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0821	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,192.58	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0822	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,953.26	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0823	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,794.48	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0824	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	7,944.41	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	

40 05 23 23-0825 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0695)*

40 05 23 23-0826	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	88.89	32.45
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-0827	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	99.06	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-0828	EA	1", Type 316, Schedule 10 Stainless Steel Cap	108.54	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-0829	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	118.73	41.24
		For Work In Restricted Working Space, Add	*27.50*	
40 05 23 23-0830	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	127.95	45.54
		For Work In Restricted Working Space, Add	*30.37*	
40 05 23 23-0831	EA	2", Type 316, Schedule 10 Stainless Steel Cap	133.61	50.67
		For Work In Restricted Working Space, Add	*33.78*	
40 05 23 23-0832	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	166.35	64.87
		For Work In Restricted Working Space, Add	*43.24*	
40 05 23 23-0833	EA	3", Type 316, Schedule 10 Stainless Steel Cap	197.18	76.02
		For Work In Restricted Working Space, Add	*50.68*	
40 05 23 23-0834	EA	4", Type 316, Schedule 10 Stainless Steel Cap	236.17	90.99
		For Work In Restricted Working Space, Add	*60.65*	
40 05 23 23-0835	EA	6", Type 316, Schedule 10 Stainless Steel Cap	309.49	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0836	EA	8", Type 316, Schedule 10 Stainless Steel Cap	520.30	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-0837	EA	10", Type 316, Schedule 10 Stainless Steel Cap	689.81	251.30
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-0838	EA	12", Type 316, Schedule 10 Stainless Steel Cap	1,013.72	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0839	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,178.57	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-0840	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,356.46	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-0841	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,710.96	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0842	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,367.49	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0843	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,601.78	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	

40 05 23 23-0844 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0845 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0844)*

40 05 23 23-0846	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	24.71	5.69
		For Work In Restricted Working Space, Add	*3.42*	
40 05 23 23-0847	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	30.02	6.95
		For Work In Restricted Working Space, Add	*4.18*	
40 05 23 23-0848	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	36.76	8.22
		For Work In Restricted Working Space, Add	*4.90*	
40 05 23 23-0849	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	45.95	10.12
		For Work In Restricted Working Space, Add	*6.12*	
40 05 23 23-0850	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	52.93	11.39
		For Work In Restricted Working Space, Add	*6.90*	
40 05 23 23-0851	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	67.80	14.55
		For Work In Restricted Working Space, Add	*8.55*	
40 05 23 23-0852	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	84.10	16.44
		For Work In Restricted Working Space, Add	*9.77*	
40 05 23 23-0853	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	82.04	18.34
		For Work In Restricted Working Space, Add	*11.00*	
40 05 23 23-0854	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	135.14	21.50
		For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0855	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	210.27	28.45
		For Work In Restricted Working Space, Add	*17.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0856	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	369.41	49.51
		For Work In Restricted Working Space, Add	*31.98*	
40 05 23 23-0857	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	467.67	54.73
		For Work In Restricted Working Space, Add	*35.18*	
40 05 23 23-0858	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	582.91	60.59
		For Work In Restricted Working Space, Add	*39.09*	
40 05 23 23-0859		**Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0844)*		
40 05 23 23-0860	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	154.49	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0861	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	163.36	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0862	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	180.04	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0863	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	196.09	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0864	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	216.19	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0865	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	244.32	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0866	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	327.58	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0867	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	389.00	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0868	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	498.31	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0869	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	792.32	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0870	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,377.55	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0871	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,296.07	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0872	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,258.32	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0873	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,629.44	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0874	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,429.70	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0875	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	5,665.11	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0876	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	7,627.02	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0877	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	11,084.91	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	
40 05 23 23-0878		**Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0844)*		
40 05 23 23-0879	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	158.31	64.89
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0880	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	167.18	68.87
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-0881	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	182.33	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0882	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	197.20	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0883	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	218.48	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0884	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	244.32	101.35
		For Work In Restricted Working Space, Add	*67.57*	
40 05 23 23-0885	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	327.58	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0886	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	374.11	152.02
		For Work In Restricted Working Space, Add	*101.35*	
40 05 23 23-0887	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	470.05	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0888	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	676.22	227.31
		For Work In Restricted Working Space, Add	*151.54*	
40 05 23 23-0889	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,172.99	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0890	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,824.65	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0891	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,627.25	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0892	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,976.29	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0893	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,358.14	1,003.27
		For Work In Restricted Working Space, Add	*668.85*	
40 05 23 23-0894	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	4,331.11	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0895	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,867.34	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0896	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	8,734.91	2,512.97
		For Work In Restricted Working Space, Add	*1,675.31*	

40 05 23 23-0897 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0844)*

40 05 23 23-0898	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	211.52	82.47
		For Work In Restricted Working Space, Add	*54.98*	
40 05 23 23-0899	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	253.23	101.23
		For Work In Restricted Working Space, Add	*67.49*	
40 05 23 23-0900	EA	1", Type 316, Schedule 40 Stainless Steel Tee	281.02	113.75
		For Work In Restricted Working Space, Add	*75.83*	
40 05 23 23-0901	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	324.07	129.71
		For Work In Restricted Working Space, Add	*86.47*	
40 05 23 23-0902	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	337.67	139.23
		For Work In Restricted Working Space, Add	*92.82*	
40 05 23 23-0903	EA	2", Type 316, Schedule 40 Stainless Steel Tee	368.02	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0904	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	460.74	181.96
		For Work In Restricted Working Space, Add	*121.31*	
40 05 23 23-0905	EA	3", Type 316, Schedule 40 Stainless Steel Tee	567.85	228.04
		For Work In Restricted Working Space, Add	*152.03*	
40 05 23 23-0906	EA	4", Type 316, Schedule 40 Stainless Steel Tee	660.39	255.93
		For Work In Restricted Working Space, Add	*170.62*	
40 05 23 23-0907	EA	6", Type 316, Schedule 40 Stainless Steel Tee	1,061.91	341.23
		For Work In Restricted Working Space, Add	*227.49*	
40 05 23 23-0908	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,865.06	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0909	EA	10", Type 316, Schedule 40 Stainless Steel Tee	3,172.10	753.89
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-0910	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,895.33	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0911	EA	14", Type 316, Schedule 40 Stainless Steel Tee	5,658.39	1,132.46
		For Work In Restricted Working Space, Add	*754.97*	
40 05 23 23-0912	EA	16", Type 316, Schedule 40 Stainless Steel Tee	7,019.00	1,381.48
		For Work In Restricted Working Space, Add	*920.98*	
40 05 23 23-0913	EA	18", Type 316, Schedule 40 Stainless Steel Tee	9,102.16	1,759.08
		For Work In Restricted Working Space, Add	*1,172.72*	
40 05 23 23-0914	EA	20", Type 316, Schedule 40 Stainless Steel Tee	11,814.97	2,314.58
		For Work In Restricted Working Space, Add	*1,543.05*	
40 05 23 23-0915	EA	24", Type 316, Schedule 40 Stainless Steel Tee	16,853.33	3,518.15
		For Work In Restricted Working Space, Add	*2,345.44*	

40 05 23 23-0916 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0844)*

40 05 23 23-0917	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	209.63	68.90
		For Work In Restricted Working Space, Add	*45.93*	
40 05 23 23-0918	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	244.13	84.43
		For Work In Restricted Working Space, Add	*56.28*	
40 05 23 23-0919	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	326.91	94.87
		For Work In Restricted Working Space, Add	*63.24*	
40 05 23 23-0920	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	310.97	108.15
		For Work In Restricted Working Space, Add	*72.10*	
40 05 23 23-0921	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	317.05	116.20
		For Work In Restricted Working Space, Add	*77.47*	
40 05 23 23-0922	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	448.31	126.64
		For Work In Restricted Working Space, Add	*84.43*	
40 05 23 23-0923	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	438.16	151.80
		For Work In Restricted Working Space, Add	*101.20*	
40 05 23 23-0924	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	590.79	189.73
		For Work In Restricted Working Space, Add	*126.48*	
40 05 23 23-0925	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	844.55	216.78
		For Work In Restricted Working Space, Add	*144.52*	
40 05 23 23-0926	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,446.23	314.12
		For Work In Restricted Working Space, Add	*209.41*	
40 05 23 23-0927	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,137.80	418.83
		For Work In Restricted Working Space, Add	*279.22*	
40 05 23 23-0928	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,110.47	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0929	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,655.53	754.76
		For Work In Restricted Working Space, Add	*503.17*	
40 05 23 23-0930	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,775.90	920.66
		For Work In Restricted Working Space, Add	*613.77*	
40 05 23 23-0931	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	7,470.14	1,172.72
		For Work In Restricted Working Space, Add	*781.81*	
40 05 23 23-0932	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	10,713.09	1,543.05
		For Work In Restricted Working Space, Add	*1,028.70*	
40 05 23 23-0933	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	16,808.72	2,343.35
		For Work In Restricted Working Space, Add	*1,562.24*	

40 05 23 23-0934 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0844)*

40 05 23 23-0935	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	161.76	62.66
		For Work In Restricted Working Space, Add	*41.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0936	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	178.08	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0937	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	194.86	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0938	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	206.99	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0939	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	221.54	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0940	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	302.24	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0941	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	322.37	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0942	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	371.84	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0943	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	516.71	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0944	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	875.12	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0945	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,184.55	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0946	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,492.21	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0947	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,189.65	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0948	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,526.83	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0949	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,401.13	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0950	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,621.64	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0951	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	6,595.55	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	
40 05 23 23-0952	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	204.92	62.66
		For Work In Restricted Working Space, Add	*41.77*	
40 05 23 23-0953	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	217.42	68.27
		For Work In Restricted Working Space, Add	*45.52*	
40 05 23 23-0954	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	253.75	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-0955	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	260.84	82.50
		For Work In Restricted Working Space, Add	*54.99*	
40 05 23 23-0956	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	278.82	91.10
		For Work In Restricted Working Space, Add	*60.73*	
40 05 23 23-0957	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	330.50	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0958	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	432.74	129.60
		For Work In Restricted Working Space, Add	*86.40*	
40 05 23 23-0959	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	466.55	151.86
		For Work In Restricted Working Space, Add	*101.24*	
40 05 23 23-0960	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	672.15	193.34
		For Work In Restricted Working Space, Add	*128.89*	
40 05 23 23-0961	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	991.43	301.56
		For Work In Restricted Working Space, Add	*201.04*	
40 05 23 23-0962	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,440.25	376.95
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0963	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,003.65	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-0964	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,048.92	659.66
		For Work In Restricted Working Space, Add	*439.77*	
40 05 23 23-0965	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,516.04	751.73
		For Work In Restricted Working Space, Add	*501.16*	
40 05 23 23-0966	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,753.38	942.36
		For Work In Restricted Working Space, Add	*628.24*	
40 05 23 23-0967	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	6,092.87	1,256.49
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-0968	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	9,133.83	1,884.72
		For Work In Restricted Working Space, Add	*1,256.49*	

40 05 23 23-0969 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0844)*

40 05 23 23-0970	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	89.66	32.45
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-0971	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	98.68	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-0972	EA	1", Type 316, Schedule 40 Stainless Steel Cap	109.31	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-0973	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	125.81	41.24
		For Work In Restricted Working Space, Add	*27.50*	
40 05 23 23-0974	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	122.22	45.54
		For Work In Restricted Working Space, Add	*30.37*	
40 05 23 23-0975	EA	2", Type 316, Schedule 40 Stainless Steel Cap	138.96	50.67
		For Work In Restricted Working Space, Add	*33.78*	
40 05 23 23-0976	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	173.29	64.87
		For Work In Restricted Working Space, Add	*43.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0977	EA	3", Type 316, Schedule 40 Stainless Steel Cap	198.33	76.02
		For Work In Restricted Working Space, Add	*50.68*	
40 05 23 23-0978	EA	4", Type 316, Schedule 40 Stainless Steel Cap	244.57	90.99
		For Work In Restricted Working Space, Add	*60.65*	
40 05 23 23-0979	EA	6", Type 316, Schedule 40 Stainless Steel Cap	344.63	113.84
		For Work In Restricted Working Space, Add	*75.89*	
40 05 23 23-0980	EA	8", Type 316, Schedule 40 Stainless Steel Cap	586.29	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-0981	EA	10", Type 316, Schedule 40 Stainless Steel Cap	786.94	251.30
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-0982	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,172.56	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-0983	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,332.51	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-0984	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,494.35	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-0985	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,912.86	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-0986	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,621.66	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-0987	EA	24", Type 316, Schedule 40 Stainless Steel Cap	4,096.75	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	

40 05 23 23-0988 Type 316, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0844)*

Note: Threaded Female x Butt Weld Straight Adapter

40 05 23 23-0989	EA	1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	138.15	64.89
		For Work In Restricted Working Space, Add	*38.93*	
40 05 23 23-0990	EA	3/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	149.93	68.93
		For Work In Restricted Working Space, Add	*41.32*	
40 05 23 23-0991	EA	1", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	171.22	75.64
		For Work In Restricted Working Space, Add	*45.42*	
40 05 23 23-0992	EA	1-1/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	194.92	82.47
		For Work In Restricted Working Space, Add	*49.48*	
40 05 23 23-0993	EA	1-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	224.07	91.07
		For Work In Restricted Working Space, Add	*54.64*	
40 05 23 23-0994	EA	2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	250.20	101.32
		For Work In Restricted Working Space, Add	*60.83*	
40 05 23 23-0995	EA	2-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	374.82	129.77
		For Work In Restricted Working Space, Add	*77.83*	
40 05 23 23-0996	EA	3", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	449.26	152.03
		For Work In Restricted Working Space, Add	*91.22*	
40 05 23 23-0997	EA	4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	603.38	182.01
		For Work In Restricted Working Space, Add	*109.17*	

40 05 23 23-0998 Valves *(40 05 23 23-0231)*

40 05 23 23-0999 Gate Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1000	EA	1/2" Gate Valve, Stainless Steel, Flanged	714.15	65.03
		For Work In Restricted Working Space, Add	*24.38*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-1001	EA	3/4" Gate Valve, Stainless Steel, Flanged	776.06	67.74
		For Work In Restricted Working Space, Add	*28.45*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-1002	EA	1" Gate Valve, Stainless Steel, Flanged	956.67	101.60
		For Work In Restricted Working Space, Add	*38.34*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-1003	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,205.94	118.54
		For Work In Restricted Working Space, Add	*44.18*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-1004	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,360.10	149.23
		For Work In Restricted Working Space, Add	*55.96*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-1005	EA	2" Gate Valve, Stainless Steel, Flanged	1,614.63	180.60
		For Work In Restricted Working Space, Add	*67.74*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-1006	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,318.35	196.44
		For Work In Restricted Working Space, Add	*73.90*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-1007	EA	3" Gate Valve, Stainless Steel, Flanged	2,611.35	230.31
		For Work In Restricted Working Space, Add	*86.48*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-1008	EA	4" Gate Valve, Stainless Steel, Flanged	3,455.65	386.12
		For Work In Restricted Working Space, Add	*145.16*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-1009	EA	6" Gate Valve, Stainless Steel, Flanged	5,777.53	487.72
		For Work In Restricted Working Space, Add	*183.55*	
		For Class 300, Add	*4,855.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1010	EA	8" Gate Valve, Stainless Steel, Flanged	12,595.32	623.20
		For Work In Restricted Working Space, Add	*232.25*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-1011	EA	10" Gate Valve, Stainless Steel, Flanged	17,748.60	758.68
		For Work In Restricted Working Space, Add	*284.51*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-1012	EA	12" Gate Valve, Stainless Steel, Flanged	26,717.44	921.24
		For Work In Restricted Working Space, Add	*344.85*	
		For Class 300, Add	*24,033.86*	

40 05 23 23-1013 Globe Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1014	EA	1/2" Globe Valve, Stainless Steel, Flanged	975.30	65.03
		For Work In Restricted Working Space, Add	*24.38*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-1015	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,079.54	67.74
		For Work In Restricted Working Space, Add	*28.45*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-1016	EA	1" Globe Valve, Stainless Steel, Flanged	1,345.74	101.60
		For Work In Restricted Working Space, Add	*38.34*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-1017	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	2,000.47	149.23
		For Work In Restricted Working Space, Add	*55.96*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-1018	EA	2" Globe Valve, Stainless Steel, Flanged	2,441.41	180.60
		For Work In Restricted Working Space, Add	*67.74*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-1019	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,910.78	196.44
		For Work In Restricted Working Space, Add	*73.90*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1020	EA	3" Globe Valve, Stainless Steel, Flanged	5,082.27	230.31
		For Work In Restricted Working Space, Add	*86.48*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1021	EA	4" Globe Valve, Stainless Steel, Flanged	6,055.26	386.12
		For Work In Restricted Working Space, Add	*145.16*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1022	EA	6" Globe Valve, Stainless Steel, Flanged	11,171.60	487.72
		For Work In Restricted Working Space, Add	*183.55*	
		For Class 300, Add	*9,926.18*	

40 05 23 23-1023 Check Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1024	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,218.92	196.44
		For Work In Restricted Working Space, Add	*73.90*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1025	EA	3" Check Valve, Stainless Steel, Flanged	2,322.35	230.31
		For Work In Restricted Working Space, Add	*86.48*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1026	EA	4" Check Valve, Stainless Steel, Flanged	3,649.51	386.12
		For Work In Restricted Working Space, Add	*145.16*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1027	EA	6" Check Valve, Stainless Steel, Flanged	6,269.61	487.72
		For Work In Restricted Working Space, Add	*183.55*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1028	EA	8" Check Valve, Stainless Steel, Flanged	11,012.03	623.20
		For Work In Restricted Working Space, Add	*232.25*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1029 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1030	EA	1/2", Stainless Steel Thread-o-let Fitting	106.82	39.33
		For Work In Restricted Working Space, Add	*26.22*	
40 05 23 23-1031	EA	3/4", Stainless Steel Thread-o-let Fitting	140.81	52.45
		For Work In Restricted Working Space, Add	*34.96*	
40 05 23 23-1032	EA	1", Stainless Steel Thread-o-let Fitting	173.40	65.03
		For Work In Restricted Working Space, Add	*43.35*	
40 05 23 23-1033	EA	1-1/4", Stainless Steel Thread-o-let Fitting	249.33	92.01
		For Work In Restricted Working Space, Add	*61.35*	
40 05 23 23-1034	EA	1-1/2", Stainless Steel Thread-o-let Fitting	275.44	103.77
		For Work In Restricted Working Space, Add	*69.18*	
40 05 23 23-1035	EA	2", Stainless Steel Thread-o-let Fitting	343.99	131.82
		For Work In Restricted Working Space, Add	*87.88*	
40 05 23 23-1036	EA	2-1/2", Stainless Steel Thread-o-let Fitting	622.84	203.22
		For Work In Restricted Working Space, Add	*135.48*	
40 05 23 23-1037	EA	3", Stainless Steel Thread-o-let Fitting	837.58	259.43
		For Work In Restricted Working Space, Add	*172.95*	
40 05 23 23-1038	EA	4", Stainless Steel Thread-o-let Fitting	1,108.74	325.15
		For Work In Restricted Working Space, Add	*216.77*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1039		Stainless Steel Flanges *(40 05 23 23-0231)*			
40 05 23 23-1040		150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*			
40 05 23 23-1041	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		81.59	21.85
		For Work In Restricted Working Space, Add		*13.11*	
40 05 23 23-1042	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		100.36	29.14
		For Work In Restricted Working Space, Add		*17.48*	
40 05 23 23-1043	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		119.40	36.14
		For Work In Restricted Working Space, Add		*21.68*	
40 05 23 23-1044	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		162.03	51.12
		For Work In Restricted Working Space, Add		*30.68*	
40 05 23 23-1045	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		175.08	57.65
		For Work In Restricted Working Space, Add		*34.59*	
40 05 23 23-1046	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		224.77	73.23
		For Work In Restricted Working Space, Add		*43.94*	
40 05 23 23-1047	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		335.24	112.86
		For Work In Restricted Working Space, Add		*67.74*	
40 05 23 23-1048	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		402.75	230.31
		For Work In Restricted Working Space, Add		*86.48*	
40 05 23 23-1049	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		517.86	180.60
		For Work In Restricted Working Space, Add		*108.38*	
40 05 23 23-1050		300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*			
40 05 23 23-1051	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		103.49	21.85
		For Work In Restricted Working Space, Add		*13.11*	
40 05 23 23-1052	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		118.05	29.14
		For Work In Restricted Working Space, Add		*17.48*	
40 05 23 23-1053	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		132.03	36.14
		For Work In Restricted Working Space, Add		*21.68*	
40 05 23 23-1054	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		194.04	51.12
		For Work In Restricted Working Space, Add		*30.68*	
40 05 23 23-1055	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		207.09	57.65
		For Work In Restricted Working Space, Add		*34.59*	
40 05 23 23-1056	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		257.60	73.23
		For Work In Restricted Working Space, Add		*43.94*	
40 05 23 23-1057	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		408.49	112.86
		For Work In Restricted Working Space, Add		*67.74*	
40 05 23 23-1058	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		477.66	230.31
		For Work In Restricted Working Space, Add		*86.48*	
40 05 23 23-1059	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange		633.20	180.60
		For Work In Restricted Working Space, Add		*108.38*	
40 05 23 23-1060		150 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*			
40 05 23 23-1061	EA	1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		109.97	32.43
		For Work In Restricted Working Space, Add		*21.63*	
40 05 23 23-1062	EA	3/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		118.62	34.42
		For Work In Restricted Working Space, Add		*22.96*	
40 05 23 23-1063	EA	1", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		132.92	37.84
		For Work In Restricted Working Space, Add		*25.23*	
40 05 23 23-1064	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		161.64	41.27
		For Work In Restricted Working Space, Add		*27.52*	
40 05 23 23-1065	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		171.01	45.49
		For Work In Restricted Working Space, Add		*30.33*	
40 05 23 23-1066	EA	2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		190.09	50.68
		For Work In Restricted Working Space, Add		*33.79*	
40 05 23 23-1067	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		261.07	64.81
		For Work In Restricted Working Space, Add		*43.21*	
40 05 23 23-1068	EA	3", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		296.60	75.88
		For Work In Restricted Working Space, Add		*50.59*	
40 05 23 23-1069	EA	4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		380.53	90.91
		For Work In Restricted Working Space, Add		*60.62*	
40 05 23 23-1070	EA	6", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		560.56	113.59
		For Work In Restricted Working Space, Add		*75.74*	
40 05 23 23-1071	EA	8", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		940.76	188.47
		For Work In Restricted Working Space, Add		*125.65*	
40 05 23 23-1072	EA	10", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		1,328.70	251.28
		For Work In Restricted Working Space, Add		*167.53*	
40 05 23 23-1073	EA	12", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		2,039.76	376.94
		For Work In Restricted Working Space, Add		*251.30*	
40 05 23 23-1074	EA	14", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		2,539.41	439.76
		For Work In Restricted Working Space, Add		*293.18*	
40 05 23 23-1075	EA	16", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		3,153.24	501.63
		For Work In Restricted Working Space, Add		*334.43*	
40 05 23 23-1076	EA	18", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		3,872.42	628.23
		For Work In Restricted Working Space, Add		*418.83*	
40 05 23 23-1077	EA	20", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		5,039.65	879.54
		For Work In Restricted Working Space, Add		*586.36*	
40 05 23 23-1078	EA	24", 150 Lb., Type 304 Stainless Steel Weld Neck Flange		7,164.09	1,256.48
		For Work In Restricted Working Space, Add		*837.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1079		**300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1039)*		
40 05 23 23-1080	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	136.08	32.43
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-1081	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	140.52	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-1082	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	148.10	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-1083	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	191.06	41.27
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1084	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	200.43	45.49
		For Work In Restricted Working Space, Add	*30.33*	
40 05 23 23-1085	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	215.35	50.68
		For Work In Restricted Working Space, Add	*33.79*	
40 05 23 23-1086	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	304.82	64.81
		For Work In Restricted Working Space, Add	*43.21*	
40 05 23 23-1087	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	345.41	75.88
		For Work In Restricted Working Space, Add	*50.59*	
40 05 23 23-1088	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	494.99	90.91
		For Work In Restricted Working Space, Add	*60.62*	
40 05 23 23-1089	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	690.20	113.59
		For Work In Restricted Working Space, Add	*75.74*	
40 05 23 23-1090	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,264.01	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-1091	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,755.52	251.28
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-1092	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,581.93	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1093	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,396.46	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1094	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	4,178.17	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-1095	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	5,331.89	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-1096	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	6,906.98	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-1097	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	10,048.07	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-1098		**150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1099	EA	1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	177.85	64.88
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-1100	EA	3/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	187.57	68.86
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-1101	EA	1", 150 Lb., Type 304 Stainless Steel Slip-On Flange	206.09	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-1102	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	234.83	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1103	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	253.58	91.00
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 23-1104	EA	2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	291.81	101.37
		For Work In Restricted Working Space, Add	*67.58*	
40 05 23 23-1105	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	381.52	129.62
		For Work In Restricted Working Space, Add	*86.42*	
40 05 23 23-1106	EA	3", 150 Lb., Type 304 Stainless Steel Slip-On Flange	437.47	151.75
		For Work In Restricted Working Space, Add	*101.18*	
40 05 23 23-1107	EA	4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	540.50	181.85
		For Work In Restricted Working Space, Add	*121.23*	
40 05 23 23-1108	EA	6", 150 Lb., Type 304 Stainless Steel Slip-On Flange	712.84	227.19
		For Work In Restricted Working Space, Add	*151.47*	
40 05 23 23-1109	EA	8", 150 Lb., Type 304 Stainless Steel Slip-On Flange	1,230.81	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1110	EA	10" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,727.19	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-1111	EA	12" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,576.91	753.88
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-1112		**300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1113	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Neck Slip-On Flange	194.69	64.88
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-1114	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	203.56	68.86
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-1115	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	218.72	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-1116	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	260.93	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1117	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	279.68	91.00
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 23-1118	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	309.45	101.37
		For Work In Restricted Working Space, Add	*67.58*	
40 05 23 23-1119	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	447.21	129.62
		For Work In Restricted Working Space, Add	*86.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1120	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	503.12	151.75
		For Work In Restricted Working Space, Add	*101.18*	
40 05 23 23-1121	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	631.40	181.85
		For Work In Restricted Working Space, Add	*121.23*	
40 05 23 23-1122	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	969.59	227.19
		For Work In Restricted Working Space, Add	*151.47*	
40 05 23 23-1123	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,490.07	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1124	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,144.74	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-1125	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	3,114.01	753.88
		For Work In Restricted Working Space, Add	*502.59*	

40 05 23 23-1126 150 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1127	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	64.76	12.96
		For Work In Restricted Working Space, Add	*8.65*	
40 05 23 23-1128	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	67.64	13.76
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-1129	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	73.23	15.12
		For Work In Restricted Working Space, Add	*10.10*	
40 05 23 23-1130	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	93.85	16.84
		For Work In Restricted Working Space, Add	*11.23*	
40 05 23 23-1131	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	107.01	22.77
		For Work In Restricted Working Space, Add	*15.18*	
40 05 23 23-1132	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	126.06	25.27
		For Work In Restricted Working Space, Add	*16.85*	
40 05 23 23-1133	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	171.55	32.49
		For Work In Restricted Working Space, Add	*21.67*	
40 05 23 23-1134	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	210.62	45.53
		For Work In Restricted Working Space, Add	*30.35*	
40 05 23 23-1135	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	321.84	75.86
		For Work In Restricted Working Space, Add	*50.58*	
40 05 23 23-1136	EA	6", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	440.72	97.56
		For Work In Restricted Working Space, Add	*65.04*	
40 05 23 23-1137	EA	8", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	670.58	117.27
		For Work In Restricted Working Space, Add	*78.18*	
40 05 23 23-1138	EA	10", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,024.91	140.73
		For Work In Restricted Working Space, Add	*93.82*	
40 05 23 23-1139	EA	12", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,354.79	175.90
		For Work In Restricted Working Space, Add	*117.27*	
40 05 23 23-1140	EA	14", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,721.66	219.88
		For Work In Restricted Working Space, Add	*146.59*	
40 05 23 23-1141	EA	16", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,216.20	250.82
		For Work In Restricted Working Space, Add	*167.21*	
40 05 23 23-1142	EA	18", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,623.00	314.12
		For Work In Restricted Working Space, Add	*209.42*	
40 05 23 23-1143	EA	20", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,487.69	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1144	EA	24", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,077.45	628.23
		For Work In Restricted Working Space, Add	*418.83*	

40 05 23 23-1145 300 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1146	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	81.89	12.96
		For Work In Restricted Working Space, Add	*8.65*	
40 05 23 23-1147	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	83.67	13.76
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-1148	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	86.71	15.12
		For Work In Restricted Working Space, Add	*10.10*	
40 05 23 23-1149	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	109.83	16.84
		For Work In Restricted Working Space, Add	*11.23*	
40 05 23 23-1150	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	122.99	22.77
		For Work In Restricted Working Space, Add	*15.18*	
40 05 23 23-1151	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	134.47	25.27
		For Work In Restricted Working Space, Add	*16.85*	
40 05 23 23-1152	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	230.47	32.49
		For Work In Restricted Working Space, Add	*21.67*	
40 05 23 23-1153	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	265.76	45.53
		For Work In Restricted Working Space, Add	*30.35*	
40 05 23 23-1154	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	390.84	75.86
		For Work In Restricted Working Space, Add	*50.58*	
40 05 23 23-1155	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	725.24	97.56
		For Work In Restricted Working Space, Add	*65.04*	
40 05 23 23-1156	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,010.67	117.27
		For Work In Restricted Working Space, Add	*78.18*	
40 05 23 23-1157	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,439.06	140.73
		For Work In Restricted Working Space, Add	*93.82*	
40 05 23 23-1158	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,990.37	175.90
		For Work In Restricted Working Space, Add	*117.27*	
40 05 23 23-1159	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,781.73	219.88
		For Work In Restricted Working Space, Add	*146.59*	
40 05 23 23-1160	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,554.57	250.82
		For Work In Restricted Working Space, Add	*167.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1161	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,637.23	314.12
		For Work In Restricted Working Space, Add	*209.42*	
40 05 23 23-1162	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,877.46	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1163	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	9,008.04	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-1164		**150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1039)*		
40 05 23 23-1165	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	96.77	21.85
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-1166	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	119.75	29.14
		For Work In Restricted Working Space, Add	*17.48*	
40 05 23 23-1167	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	137.89	36.14
		For Work In Restricted Working Space, Add	*21.68*	
40 05 23 23-1168	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	189.79	51.12
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 23-1169	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	202.84	57.65
		For Work In Restricted Working Space, Add	*34.59*	
40 05 23 23-1170	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	255.09	73.23
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1171	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	379.03	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-1172	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	459.16	230.31
		For Work In Restricted Working Space, Add	*86.48*	
40 05 23 23-1173	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	596.98	180.60
		For Work In Restricted Working Space, Add	*108.38*	
40 05 23 23-1174		**300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1039)*		
40 05 23 23-1175	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	125.38	21.85
		For Work In Restricted Working Space, Add	*13.11*	
40 05 23 23-1176	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	139.94	29.14
		For Work In Restricted Working Space, Add	*17.48*	
40 05 23 23-1177	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	153.92	36.14
		For Work In Restricted Working Space, Add	*21.68*	
40 05 23 23-1178	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	236.13	51.12
		For Work In Restricted Working Space, Add	*30.68*	
40 05 23 23-1179	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	249.18	57.65
		For Work In Restricted Working Space, Add	*34.59*	
40 05 23 23-1180	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	294.63	73.23
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1181	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	491.82	112.86
		For Work In Restricted Working Space, Add	*67.74*	
40 05 23 23-1182	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	562.69	230.31
		For Work In Restricted Working Space, Add	*86.48*	
40 05 23 23-1183	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	768.70	180.60
		For Work In Restricted Working Space, Add	*108.38*	
40 05 23 23-1184		**150 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1039)*		
40 05 23 23-1185	EA	1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	129.32	32.43
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-1186	EA	3/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	138.01	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-1187	EA	1", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	154.81	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-1188	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	190.25	41.27
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1189	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	199.62	45.49
		For Work In Restricted Working Space, Add	*30.33*	
40 05 23 23-1190	EA	2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	219.56	50.68
		For Work In Restricted Working Space, Add	*33.79*	
40 05 23 23-1191	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	310.68	64.81
		For Work In Restricted Working Space, Add	*43.21*	
40 05 23 23-1192	EA	3", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	341.20	75.88
		For Work In Restricted Working Space, Add	*50.59*	
40 05 23 23-1193	EA	4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	456.30	90.91
		For Work In Restricted Working Space, Add	*60.62*	
40 05 23 23-1194	EA	6", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	691.90	113.59
		For Work In Restricted Working Space, Add	*75.74*	
40 05 23 23-1195	EA	8", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,143.64	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-1196	EA	10", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,667.13	251.28
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-1197	EA	12", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,486.82	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1198	EA	14", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,909.66	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1199	EA	16", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,636.39	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-1200	EA	18", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	4,459.35	628.23
		For Work In Restricted Working Space, Add	*418.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1201	EA	20", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	5,770.88	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-1202	EA	24", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	8,200.30	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-1203		**300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1039)*		
40 05 23 23-1204	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	161.33	32.43
		For Work In Restricted Working Space, Add	*21.63*	
40 05 23 23-1205	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	165.77	34.42
		For Work In Restricted Working Space, Add	*22.96*	
40 05 23 23-1206	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	173.35	37.84
		For Work In Restricted Working Space, Add	*25.23*	
40 05 23 23-1207	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	225.62	41.27
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1208	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	234.99	45.49
		For Work In Restricted Working Space, Add	*30.33*	
40 05 23 23-1209	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	257.44	50.68
		For Work In Restricted Working Space, Add	*33.79*	
40 05 23 23-1210	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	377.22	64.81
		For Work In Restricted Working Space, Add	*43.21*	
40 05 23 23-1211	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	413.61	75.88
		For Work In Restricted Working Space, Add	*50.59*	
40 05 23 23-1212	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	621.26	90.91
		For Work In Restricted Working Space, Add	*60.62*	
40 05 23 23-1213	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,002.52	113.59
		For Work In Restricted Working Space, Add	*75.74*	
40 05 23 23-1214	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,583.09	188.47
		For Work In Restricted Working Space, Add	*125.65*	
40 05 23 23-1215	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,272.39	251.28
		For Work In Restricted Working Space, Add	*167.53*	
40 05 23 23-1216	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	3,341.22	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1217	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	4,500.83	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1218	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	5,576.63	501.63
		For Work In Restricted Working Space, Add	*334.43*	
40 05 23 23-1219	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	7,128.60	628.23
		For Work In Restricted Working Space, Add	*418.83*	
40 05 23 23-1220	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	9,167.80	879.54
		For Work In Restricted Working Space, Add	*586.36*	
40 05 23 23-1221	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	13,360.42	1,256.48
		For Work In Restricted Working Space, Add	*837.66*	
40 05 23 23-1222		**150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1223	EA	1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	187.97	64.88
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-1224	EA	3/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	202.75	68.86
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-1225	EA	1", 150 Lb., Type 316 Stainless Steel Slip-On Flange	223.48	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-1226	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	298.26	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1227	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	273.77	91.00
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 23-1228	EA	2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	296.82	101.37
		For Work In Restricted Working Space, Add	*67.58*	
40 05 23 23-1229	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	378.16	129.62
		For Work In Restricted Working Space, Add	*86.42*	
40 05 23 23-1230	EA	3", 150 Lb., Type 316 Stainless Steel Slip-On Flange	466.08	151.75
		For Work In Restricted Working Space, Add	*101.18*	
40 05 23 23-1231	EA	4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	601.09	181.85
		For Work In Restricted Working Space, Add	*121.23*	
40 05 23 23-1232	EA	6", 150 Lb., Type 316 Stainless Steel Slip-On Flange	802.89	227.19
		For Work In Restricted Working Space, Add	*151.47*	
40 05 23 23-1233	EA	8", 150 Lb., Type 316 Stainless Steel Slip-On Flange	1,416.81	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1234	EA	10" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,981.43	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-1235	EA	12" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,916.99	753.88
		For Work In Restricted Working Space, Add	*502.59*	
40 05 23 23-1236		**300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1237	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Neck Slip-On Flange	211.53	64.88
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-1238	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	220.40	68.86
		For Work In Restricted Working Space, Add	*45.92*	
40 05 23 23-1239	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	235.56	75.69
		For Work In Restricted Working Space, Add	*50.46*	
40 05 23 23-1240	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	293.76	82.56
		For Work In Restricted Working Space, Add	*55.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1241	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	312.51	91.00
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 23-1242	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	340.49	101.37
		For Work In Restricted Working Space, Add	*67.58*	
40 05 23 23-1243	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	520.42	129.62
		For Work In Restricted Working Space, Add	*86.42*	
40 05 23 23-1244	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	578.03	151.75
		For Work In Restricted Working Space, Add	*101.18*	
40 05 23 23-1245	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	747.56	181.85
		For Work In Restricted Working Space, Add	*121.23*	
40 05 23 23-1246	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,138.81	227.19
		For Work In Restricted Working Space, Add	*151.47*	
40 05 23 23-1247	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,664.34	376.94
		For Work In Restricted Working Space, Add	*251.30*	
40 05 23 23-1248	EA	10" 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,712.12	502.59
		For Work In Restricted Working Space, Add	*335.06*	
40 05 23 23-1249	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	3,614.04	753.88
		For Work In Restricted Working Space, Add	*502.59*	

40 05 23 23-1250 150 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1251	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	72.62	12.96
		For Work In Restricted Working Space, Add	*8.65*	
40 05 23 23-1252	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	81.97	13.76
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-1253	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	92.58	15.12
		For Work In Restricted Working Space, Add	*10.10*	
40 05 23 23-1254	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	108.98	16.84
		For Work In Restricted Working Space, Add	*11.23*	
40 05 23 23-1255	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	122.14	22.77
		For Work In Restricted Working Space, Add	*15.18*	
40 05 23 23-1256	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	151.31	25.27
		For Work In Restricted Working Space, Add	*16.85*	
40 05 23 23-1257	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	211.13	32.49
		For Work In Restricted Working Space, Add	*21.67*	
40 05 23 23-1258	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	254.41	45.53
		For Work In Restricted Working Space, Add	*30.35*	
40 05 23 23-1259	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	395.90	75.86
		For Work In Restricted Working Space, Add	*50.58*	
40 05 23 23-1260	EA	6", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	559.43	97.56
		For Work In Restricted Working Space, Add	*65.04*	
40 05 23 23-1261	EA	8", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	954.25	117.27
		For Work In Restricted Working Space, Add	*78.18*	
40 05 23 23-1262	EA	10", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,248.84	140.73
		For Work In Restricted Working Space, Add	*93.82*	
40 05 23 23-1263	EA	12", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,000.48	175.90
		For Work In Restricted Working Space, Add	*117.27*	
40 05 23 23-1264	EA	14", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,382.74	219.88
		For Work In Restricted Working Space, Add	*146.59*	
40 05 23 23-1265	EA	16", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,105.56	250.82
		For Work In Restricted Working Space, Add	*167.21*	
40 05 23 23-1266	EA	18", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,655.04	314.12
		For Work In Restricted Working Space, Add	*209.42*	
40 05 23 23-1267	EA	20", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,833.62	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1268	EA	24", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	7,051.17	628.23
		For Work In Restricted Working Space, Add	*418.83*	

40 05 23 23-1269 300 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1270	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	110.50	12.96
		For Work In Restricted Working Space, Add	*8.65*	
40 05 23 23-1271	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	112.28	13.76
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-1272	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	115.32	15.12
		For Work In Restricted Working Space, Add	*10.10*	
40 05 23 23-1273	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	171.31	16.84
		For Work In Restricted Working Space, Add	*11.23*	
40 05 23 23-1274	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	184.47	22.77
		For Work In Restricted Working Space, Add	*15.18*	
40 05 23 23-1275	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	204.33	25.27
		For Work In Restricted Working Space, Add	*16.85*	
40 05 23 23-1276	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	338.25	32.49
		For Work In Restricted Working Space, Add	*21.67*	
40 05 23 23-1277	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	375.62	45.53
		For Work In Restricted Working Space, Add	*30.35*	
40 05 23 23-1278	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	576.04	75.86
		For Work In Restricted Working Space, Add	*50.58*	
40 05 23 23-1279	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,040.96	97.56
		For Work In Restricted Working Space, Add	*65.04*	
40 05 23 23-1280	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,337.32	117.27
		For Work In Restricted Working Space, Add	*78.18*	
40 05 23 23-1281	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,388.65	140.73
		For Work In Restricted Working Space, Add	*93.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1282	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,913.86	175.90
		For Work In Restricted Working Space, Add	*117.27*	
40 05 23 23-1283	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,200.16	219.88
		For Work In Restricted Working Space, Add	*146.59*	
40 05 23 23-1284	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	5,408.54	250.82
		For Work In Restricted Working Space, Add	*167.21*	
40 05 23 23-1285	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	7,073.87	314.12
		For Work In Restricted Working Space, Add	*209.42*	
40 05 23 23-1286	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	8,908.54	439.76
		For Work In Restricted Working Space, Add	*293.18*	
40 05 23 23-1287	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	13,716.52	628.23
		For Work In Restricted Working Space, Add	*418.83*	

40 05 23 23-1288 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1289 Type 316 Seamless Annealed Tubing *(40 05 23 23-1288)*

40 05 23 23-1290	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	22.11
40 05 23 23-1291	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	26.96
40 05 23 23-1292	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	32.48

40 05 23 23-1293 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1288)*

Note: Pressure rating 5,000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1294	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	75.65
40 05 23 23-1295	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	78.02
40 05 23 23-1296	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	119.47
40 05 23 23-1297	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	71.64
40 05 23 23-1298	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	118.30
40 05 23 23-1299	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	89.78
40 05 23 23-1300	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	110.73
40 05 23 23-1301	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	170.44
40 05 23 23-1302	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	108.30
40 05 23 23-1303	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	167.45
40 05 23 23-1304	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	106.62
40 05 23 23-1305	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	137.58
40 05 23 23-1306	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	227.42
40 05 23 23-1307	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	187.56
40 05 23 23-1308	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	231.22

40 05 23 23-1309 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1288)*

40 05 23 23-1310 Needle Valves *(40 05 23 23-1309)*

40 05 23 23-1311	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	423.77
40 05 23 23-1312	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	672.68

40 05 23 23-1313 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1309)*

40 05 23 23-1314	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	406.13

40 05 23 23-1315 Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1309)*

40 05 23 23-1316	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,683.43
40 05 23 23-1317	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	422.44
40 05 23 23-1318	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	81.81

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

40 05 41 00-0002 Glass Pipe, Beaded Joints *(40 05 41 00-0001)*

40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	49.98	18.71
		For Work In Restricted Working Space, Add	*11.22*	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	59.97	22.45
		For Work In Restricted Working Space, Add	*13.47*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	69.49	24.94
		For Work In Restricted Working Space, Add	*14.96*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	91.91	33.67
		For Work In Restricted Working Space, Add	*20.20*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	112.32	39.90
		For Work In Restricted Working Space, Add	*23.94*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	138.71	46.14
		For Work In Restricted Working Space, Add	*27.68*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	189.73	62.36
		For Work In Restricted Working Space, Add	*37.41*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	266.29	74.82
		For Work In Restricted Working Space, Add	*44.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0011		**Glass 90 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	228.88	99.76
		For Work In Restricted Working Space, Add	*59.86*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	246.58	106.00
		For Work In Restricted Working Space, Add	*63.60*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	269.73	112.23
		For Work In Restricted Working Space, Add	*67.34*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	297.67	124.70
		For Work In Restricted Working Space, Add	*74.82*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	338.72	137.17
		For Work In Restricted Working Space, Add	*82.31*	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	426.77	162.11
		For Work In Restricted Working Space, Add	*97.26*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	491.90	174.58
		For Work In Restricted Working Space, Add	*104.73*	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	771.14	199.52
		For Work In Restricted Working Space, Add	*119.72*	
40 05 41 00-0020		**Glass 45 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	227.71	99.76
		For Work In Restricted Working Space, Add	*59.86*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	245.21	106.00
		For Work In Restricted Working Space, Add	*63.60*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	267.90	112.23
		For Work In Restricted Working Space, Add	*67.34*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	295.74	124.70
		For Work In Restricted Working Space, Add	*74.82*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	336.09	137.17
		For Work In Restricted Working Space, Add	*82.29*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	422.70	162.11
		For Work In Restricted Working Space, Add	*97.27*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	486.19	174.58
		For Work In Restricted Working Space, Add	*104.73*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	756.11	199.52
		For Work In Restricted Working Space, Add	*119.68*	
40 05 41 00-0029		**Glass Tees** *(40 05 41 00-0001)*		
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	349.61	149.64
		For Work In Restricted Working Space, Add	*89.80*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	375.18	162.11
		For Work In Restricted Working Space, Add	*97.27*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	405.42	174.58
		For Work In Restricted Working Space, Add	*104.73*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	456.49	187.06
		For Work In Restricted Working Space, Add	*112.21*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	508.09	205.75
		For Work In Restricted Working Space, Add	*123.47*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	617.46	249.40
		For Work In Restricted Working Space, Add	*149.64*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	722.62	261.75
		For Work In Restricted Working Space, Add	*157.05*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	946.32	299.16
		For Work In Restricted Working Space, Add	*179.51*	
40 05 41 00-0038		**Glass Couplings, Vitron Liner** *(40 05 41 00-0001)*		
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	42.23	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	48.27	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	56.31	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	64.36	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	77.43	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	141.79	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	170.95	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	341.90	

END OF SECTION 40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	462.84	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	139.78	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	1,095.75	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	8,176.18	459.36
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	8,271.58	459.36
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,971.89	459.36
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	12,596.11	612.48
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,896.06	765.61
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	18,717.01	1,125.13
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	21,607.49	1,358.95
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	22,042.72	1,358.95

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	3,601.80	444.05
		For DC Electrical Operated, Add	*677.75*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	3,750.68	444.05
		For DC Electrical Operated, Add	*714.37*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	4,127.55	444.05
		For DC Electrical Operated, Add	*804.93*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	6,123.93	459.36
		For DC Electrical Operated, Add	*1,294.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	5,310.59	459.36
		For DC Electrical Operated, Add	*1,088.26*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	7,509.07	474.68
		For DC Electrical Operated, Add	*1,625.55*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	6,852.99	520.61
		For DC Electrical Operated, Add	*1,418.68*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	8,417.18	643.11
		For DC Electrical Operated, Add	*1,802.23*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	9,877.50	654.79
		For DC Electrical Operated, Add	*2,186.18*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	15,803.23	683.26
		For DC Electrical Operated, Add	*3,608.88*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	18,892.14	711.73
		For DC Electrical Operated, Add	*4,366.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	26,044.33	740.20
		For DC Electrical Operated, Add	*6,139.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	33,280.37	811.37
		For DC Electrical Operated, Add	*7,912.41*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		Hand Chain Hoists *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,952.42	187.02
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,295.53	189.59
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	3,072.90	198.56
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,455.24	201.12
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,164.94	211.36
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,666.00	247.23
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,456.02	254.91
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,426.76	307.44
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	10,284.43	321.52
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	18,094.56	367.64

END OF SECTION 41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	5,120.35	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,213.98	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,280.11	148.11
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	4,215.53	222.15
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	6,032.46	236.97

END OF SECTION 43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 Custom Standards And Assemblies

50 89 CALTRANs Custom Standards And Assemblies *(50)*

Note: Use as directed by owner only.

50 89 80 CALTRANs Construction Performance Requirements *(50 89)*

Note: Refer to www.dot.ca.gov for CALTRANs Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS *(50 89 80)*

50 89 81 01 PAYMENT *(50 89 81)*

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRAN Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speacility equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0039 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.	0.00

50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION *(50 89 80)*

50 89 82 12 TEMPORARY TRAFFIC CONTROL *(50 89 82)*

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard. See CSI section 01 55 26 00-0151 for nightly relocating and set-up as required.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN Note: Month	1,475.55
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE Note: Month	47.28
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE Note: Month	13.37
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE Note: Month	91.65
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	82.65
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.76
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.62
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.94
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.82
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED) Note: Month	33.40
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	73.90
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR Note: Month	26.23
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS Note: Month	39.91
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE) Note: Month	48.52
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.73
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	3,067.71
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	735.49

50 89 82 13 WATER POLLUTION CONTROL *(50 89 82)*

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN	568.50
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	518.17
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,256.00
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	7.01
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	993.18
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.61
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	1.02
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.49
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	14.56
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.36
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	1.02
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.62
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.63
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	85.74
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL Note: 12" Diameter, Type 1	8.81
		For >1,000 To 10,000, Deduct	*-1.01*
		For >10,000, Deduct	*-1.71*
		For 9" Diameter, Deduct	*-0.98*
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL Note: 12" Diameter, Type 2	6.86
		For >1,000 To 10,000, Deduct	*-0.72*
		For >10,000, Deduct	*-1.22*
		For 9" Diameter, Deduct	*-0.98*
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	15.21
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.80
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	3.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	5.63	
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	2,107.01	
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	50.43	
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	518.17	
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	781.00	
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	838.00	

50 89 83 CALTRANS DIVISION III - GRADING *(50 89 80)*

50 89 83 17 GENERAL *(50 89 83)*

Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.

50 89 83 17-0001	ACR	CALTRANS 170105 CLEARING AND GRUBBING (ACRE)	14,704.14	

Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill

50 89 83 19 EARTHWORK *(50 89 83)*

Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.

50 89 83 19-0001	CY	CALTRANS 190101 ROADWAY EXCAVATION	25.39	
		For >1,000, Deduct	*-3.81*	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION	41.17	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING	123.75	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)	70.16	947.58
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)	107.43	337.72
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING	42.32	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)	70.16	947.58
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL	256.38	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY)	74.99	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON)	104.98	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1	6.09	
		For Up To 50, Add	*1.28*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1	7.09	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3	3.25	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.53*	
		For >150 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.17*	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID	5.44	
		For Up To 50, Add	*1.21*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT	2.33	

50 89 83 20 LANDSCAPE *(50 89 83)*

Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.

50 89 83 20-0001	SF	CALTRANS 200114 ROCK BLANKET	16.58	
		For >5,000, Deduct	*-2.26*	
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION	0.72	
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION	3.17	
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB)	8.31	
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT	129.07	
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY	1,247.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER	1,247.01	
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER	1,537.01	
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER	8.43	
50 89 83 20-0010	EA	CALTRANS 202038 PACKET FERTILIZER	1.28	
50 89 83 20-0011	LB	CALTRANS 202039 SLOW-RELEASE FERTILIZER	4.38	
50 89 83 20-0012	EA	CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B)	494.42	
50 89 83 20-0013	EA	CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B)	925.24	
50 89 83 20-0014	EA	CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B)	1,442.63	
50 89 83 20-0015	EA	CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B)	2,259.06	
50 89 83 20-0016	EA	CALTRANS 204005 PLANT (GROUP E)	4.99	
		For >100 To 1,000, Deduct	*-0.28*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.56*	
50 89 83 20-0017	EA	CALTRANS 204006 PLANT (GROUP F)	2.54	
		For >100 To 1,000, Deduct	*-0.16*	
		For >1,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.33*	
50 89 83 20-0018	EA	CALTRANS 204008 PLANT (GROUP H)	7.20	
		For >10 To 100, Deduct	*-0.72*	
		For >100 To 1,000, Deduct	*-1.62*	
		For >1,000 To 10,000, Deduct	*-2.52*	
		For >10,000 To 25,000, Deduct	*-3.60*	
		For >25,000, Deduct	*-5.04*	
50 89 83 20-0019	EA	CALTRANS 204009 PLANT (GROUP I)	26.56	
		For >100 To 1,000, Deduct	*-1.81*	
		For >1,000 To 5,000, Deduct	*-2.95*	
		For >5,000, Deduct	*-3.62*	
50 89 83 20-0020	EA	CALTRANS 204011 PLANT (GROUP K)	682.45	
50 89 83 20-0021	EA	CALTRANS 204013 PLANT (GROUP M)	8.80	
		For >100 To 1,000, Deduct	*-0.51*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.02*	
50 89 83 20-0022	EA	CALTRANS 204015 PLANT (GROUP S)	9.83	
		For >100 To 1,000, Deduct	*-0.62*	
		For >1,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.24*	
50 89 83 20-0023	EA	CALTRANS 204020 PLANT (GROUP P)	8.32	
		For >100 To 1,000, Deduct	*-0.48*	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-0.95*	
50 89 83 20-0024	EA	CALTRANS 204030 TRANSPLANT TREE	4,422.14	
		For >5 To 10, Deduct	*-221.11*	
		For >10 To 20, Deduct	*-442.21*	
		For >20, Deduct	*-663.32*	
50 89 83 20-0025	EA	CALTRANS 204035 PLANT (GROUP A)	35.88	
50 89 83 20-0026	EA	CALTRANS 204036 PLANT (GROUP B)	91.05	
50 89 83 20-0027	EA	CALTRANS 204038 PLANT (GROUP U)	237.93	
50 89 83 20-0028	SY	CALTRANS 204045 SOD	21.28	
50 89 83 20-0029	SF	CALTRANS 205033 GRAVEL MULCH	1.41	
50 89 83 20-0030	SF	CALTRANS 205034 DECOMPOSED GRANITE	1.61	
50 89 83 20-0031	CY	CALTRANS 205035 WOOD MULCH	130.21	
		For >5 To 20, Deduct	*-10.52*	
		For >20 To 50, Deduct	*-15.78*	
		For >50, Deduct	*-22.29*	
50 89 83 20-0032	EA	CALTRANS 205051 FOLIAGE PROTECTOR	43.79	
50 89 83 20-0033	EA	CALTRANS 205052 ROOT PROTECTOR	31.02	
50 89 83 20-0034	LF	CALTRANS 205062 ROOT BARRIER	13.88	
50 89 83 20-0035	LF	CALTRANS 206005 EDGING	18.89	
50 89 83 20-0036	EA	CALTRANS 206561 3/4" REMOTE CONTROL VALVE	450.40	
50 89 83 20-0037	EA	CALTRANS 206562 1" REMOTE CONTROL VALVE	667.83	
50 89 83 20-0038	EA	CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE	725.92	
50 89 83 20-0039	EA	CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE	788.99	
50 89 83 20-0040	EA	CALTRANS 206565 2" REMOTE CONTROL VALVE	872.04	
50 89 83 20-0041	EA	CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE	1,328.92	
50 89 83 20-0042	EA	CALTRANS 206567 3" REMOTE CONTROL VALVE	1,785.81	
50 89 83 20-0043	EA	CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR	963.09	
50 89 83 20-0044	EA	CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY	367.54	
50 89 83 20-0045	EA	CALTRANS 206631 1" WYE STRAINER ASSEMBLY	398.86	
50 89 83 20-0046	EA	CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY	445.02	
50 89 83 20-0047	EA	CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY	472.39	
50 89 83 20-0048	EA	CALTRANS 206634 2" WYE STRAINER ASSEMBLY	563.47	
50 89 83 20-0049	EA	CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY	853.63	
50 89 83 20-0050	EA	CALTRANS 206636 3" WYE STRAINER ASSEMBLY	1,028.80	
50 89 83 20-0051	EA	CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	905.35	
50 89 83 20-0052	EA	CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,273.89	
50 89 83 20-0053	EA	CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,715.47	
50 89 83 20-0054	EA	CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,204.76	
50 89 83 20-0055	EA	CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,910.14	
50 89 83 20-0056	EA	CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	3,612.49	
50 89 83 20-0057	LF	CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE)	13.31	
		For >1,000, Deduct	*-0.67*	
50 89 83 20-0058	LF	CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE)	18.10	
		For >1,000, Deduct	*-0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0059	LF	CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE)	22.31	
		For >1,000, Deduct	*-1.12*	
50 89 83 20-0060	LF	CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE)	28.44	
		For >1,000, Deduct	*-1.42*	
50 89 83 20-0061	LF	CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE)	34.40	
		For >1,000, Deduct	*-1.72*	
50 89 83 20-0062	LF	CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE)	47.58	
		For >1,000, Deduct	*-2.38*	
50 89 83 20-0063	LF	CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE)	94.18	
		For >1,000, Deduct	*-4.71*	
50 89 83 20-0064	LF	CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE)	151.65	
		For >1,000, Deduct	*-7.58*	
50 89 83 20-0065	LF	CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE)	65.14	
		For >1,000, Deduct	*-3.26*	
50 89 83 20-0066	LF	CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE)	14.59	
		For >1,000, Deduct	*-0.73*	
50 89 83 20-0067	LF	CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE)	16.70	
		For >1,000, Deduct	*-0.84*	
50 89 83 20-0068	LF	CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE)	19.79	
		For >1,000, Deduct	*-0.99*	
50 89 83 20-0069	LF	CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE)	23.32	
		For >1,000, Deduct	*-1.17*	
50 89 83 20-0070	LF	CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE)	27.09	
		For >1,000, Deduct	*-1.35*	
50 89 83 20-0071	LF	CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE)	34.10	
		For >1,000, Deduct	*-1.71*	
50 89 83 20-0072	LF	CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE)	50.22	
		For >1,000, Deduct	*-2.51*	
50 89 83 20-0073	LF	CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE)	69.96	
		For >1,000, Deduct	*-3.50*	
50 89 83 20-0074	LF	CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE)	100.78	
		For >1,000, Deduct	*-5.04*	
50 89 83 20-0075	LF	CALTRANS 208026 2" SUPPLY LINE (BRIDGE)	62.12	
50 89 83 20-0076	LF	CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE)	78.85	
50 89 83 20-0077	LF	CALTRANS 208028 3" SUPPLY LINE (BRIDGE)	97.63	
50 89 83 20-0078	LF	CALTRANS 208029 4" SUPPLY LINE (BRIDGE)	143.47	
50 89 83 20-0079	LF	CALTRANS 208030 6" SUPPLY LINE (BRIDGE)	366.03	
50 89 83 20-0080	LF	CALTRANS 208033 8" SUPPLY LINE (BRIDGE)	783.26	
50 89 83 20-0081	LF	CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	41.29	
50 89 83 20-0082	LF	CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	58.34	
50 89 83 20-0083	LF	CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	72.49	
50 89 83 20-0084	LF	CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	103.79	
50 89 83 20-0085	LF	CALTRANS 208220 1/2" DRIP IRRIGATION TUBING	2.84	
50 89 83 20-0086	LF	CALTRANS 208221 3/4" DRIP IRRIGATION TUBING	3.04	
50 89 83 20-0087	EA	CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET	4,122.51	
50 89 83 20-0088	EA	CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY	2,860.50	
50 89 83 20-0089	EA	CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY	2,991.33	
50 89 83 20-0090	EA	CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY	3,910.82	
50 89 83 20-0091	EA	CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY	4,194.39	
50 89 83 20-0092	EA	CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY	5,636.80	
50 89 83 20-0093	EA	CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY	11,222.87	
50 89 83 20-0094	EA	CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY	13,064.63	
50 89 83 20-0095	EA	CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY	14,061.45	
50 89 83 20-0096	EA	CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE	4,478.73	
50 89 83 20-0097	EA	CALTRANS 208442 FLOW SENSOR	1,816.84	
50 89 83 20-0098	EA	CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN)	88.77	14.96
50 89 83 20-0099	EA	CALTRANS 208448 RISER SPRINKLER ASSEMBLY	57.20	14.96
50 89 83 20-0100	EA	CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY	56.29	14.96
50 89 83 20-0101	EA	CALTRANS 208562 CAM COUPLER ASSEMBLY	506.99	
50 89 83 20-0102	EA	CALTRANS 208569 1/2" GATE VALVE	331.72	
50 89 83 20-0103	EA	CALTRANS 208570 3/4" GATE VALVE	353.09	
50 89 83 20-0104	EA	CALTRANS 208572 1" GATE VALVE	385.69	
50 89 83 20-0105	EA	CALTRANS 208573 1 1/4" GATE VALVE	425.68	
50 89 83 20-0106	EA	CALTRANS 208574 1 1/2" GATE VALVE	453.63	
50 89 83 20-0107	EA	CALTRANS 208575 2" GATE VALVE	516.83	
50 89 83 20-0108	EA	CALTRANS 208576 2 1/2" GATE VALVE	833.48	
50 89 83 20-0109	EA	CALTRANS 208588 3" GATE VALVE	1,464.55	
50 89 83 20-0110	EA	CALTRANS 208589 4" GATE VALVE	1,962.32	
50 89 83 20-0111	EA	CALTRANS 208590 6" GATE VALVE	2,807.17	
50 89 83 20-0112	EA	CALTRANS 208591 8" GATE VALVE	4,281.34	
50 89 83 20-0113	LF	CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	7.19	
		For >1,000, Deduct	*-0.36*	
		For Schedule 80, Add	*0.17*	
50 89 83 20-0114	LF	CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	7.36	
		For >1,000, Deduct	*-0.37*	
		For Schedule 80, Add	*0.21*	
50 89 83 20-0115	LF	CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	8.26	
		For >1,000, Deduct	*-0.41*	
		For Schedule 80, Add	*0.34*	
50 89 83 20-0116	LF	CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	9.73	
		For >1,000, Deduct	*-0.49*	
		For Schedule 80, Add	*0.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0117	LF	CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	9.94	
		For >1,000, Deduct	*-0.50*	
		For Schedule 80, Add	*0.68*	
50 89 83 20-0118	LF	CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	11.68	
		For >1,000, Deduct	*-0.58*	
		For Schedule 80, Add	*1.14*	
50 89 83 20-0119	LF	CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	13.98	
		For >1,000, Deduct	*-0.70*	
		For Schedule 80, Add	*1.48*	
50 89 83 20-0120	LF	CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	18.08	
		For >1,000, Deduct	*-0.90*	
		For Schedule 80, Add	*2.08*	
50 89 83 20-0121	LF	CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	22.61	
		For >1,000, Deduct	*-1.13*	
		For Schedule 80, Add	*3.18*	
50 89 83 20-0122	LF	CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	30.69	
		For >1,000, Deduct	*-1.53*	
		For Schedule 80, Add	*7.08*	
50 89 83 20-0123	LF	CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	36.71	
		For >1,000, Deduct	*-1.84*	
		For Schedule 80, Add	*10.85*	
50 89 83 20-0124	LF	CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	73.07	
		For >1,000, Deduct	*-3.65*	
		For Schedule 80, Add	*33.73*	
50 89 83 20-0125	LF	CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	12.27	
		For >1,000, Deduct	*-0.61*	
50 89 83 20-0126	LF	CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	14.94	
		For >1,000, Deduct	*-0.75*	
50 89 83 20-0127	LF	CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	18.08	
		For >1,000, Deduct	*-0.90*	
50 89 83 20-0128	LF	CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	22.61	
		For >1,000, Deduct	*-1.13*	
50 89 83 20-0129	LF	CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	31.12	
		For >1,000, Deduct	*-1.56*	
50 89 83 20-0130	EA	CALTRANS 208631 3/4" PRESSURE RELIEF VALVE	1,097.32	
50 89 83 20-0131	EA	CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE	1,589.00	
50 89 83 20-0132	EA	CALTRANS 208633 1" PRESSURE RELIEF VALVE	1,302.54	
50 89 83 20-0133	EA	CALTRANS 208634 2" PRESSURE RELIEF VALVE	1,793.36	
50 89 83 20-0134	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (3/4")	302.11	
50 89 83 20-0135	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1")	395.97	
50 89 83 20-0136	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4")	674.97	
50 89 83 20-0137	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2")	914.91	
50 89 83 20-0138	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (2")	1,312.05	
50 89 83 20-0139	EA	CALTRANS 208649 QUICK COUPLING VALVE	553.69	
50 89 83 20-0140	EA	CALTRANS 208670 1/2" CHECK VALVE	347.06	
50 89 83 20-0141	EA	CALTRANS 208670 3/4" CHECK VALVE	372.29	
50 89 83 20-0142	EA	CALTRANS 208670 1" CHECK VALVE	405.66	
50 89 83 20-0143	EA	CALTRANS 208670 1 1/4" CHECK VALVE	457.05	
50 89 83 20-0144	EA	CALTRANS 208670 1 1/2" CHECK VALVE	508.98	
50 89 83 20-0145	EA	CALTRANS 208670 2" CHECK VALVE	579.72	
50 89 83 20-0146	EA	CALTRANS 208670 2 1/2" CHECK VALVE	900.49	
50 89 83 20-0147	EA	CALTRANS 208670 3" CHECK VALVE	1,543.77	
50 89 83 20-0148	EA	CALTRANS 208670 4" CHECK VALVE	2,286.93	
50 89 83 20-0149	EA	CALTRANS 208670 6" CHECK VALVE	3,490.25	
50 89 83 20-0150	EA	CALTRANS 208670 8" CHECK VALVE	7,695.46	
50 89 83 20-0151	EA	CALTRANS 208683 1/2" BALL VALVE	313.25	
50 89 83 20-0152	EA	CALTRANS 208683 3/4" BALL VALVE	344.34	
50 89 83 20-0153	EA	CALTRANS 208683 1" BALL VALVE	356.49	
50 89 83 20-0154	EA	CALTRANS 208683 1 1/4" BALL VALVE	396.63	
50 89 83 20-0155	EA	CALTRANS 208683 1 1/2" BALL VALVE	417.92	
50 89 83 20-0156	EA	CALTRANS 208683 2" BALL VALVE	460.43	
50 89 83 20-0157	EA	CALTRANS 208683 2 1/2" BALL VALVE	517.42	
50 89 83 20-0158	LF	CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	36.71	
		For >1,000, Deduct	*-1.84*	
50 89 83 20-0159	LF	CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT	50.03	
		For >1,000, Deduct	*-2.50*	
50 89 83 20-0160	LF	CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT	70.72	
		For >1,000, Deduct	*-3.54*	
50 89 83 20-0161	LF	CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	27.38	
50 89 83 20-0162	LF	CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	34.90	
50 89 83 20-0163	LF	CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	40.55	
50 89 83 20-0164	LF	CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	31.33	
50 89 83 20-0165	LF	CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	39.08	
50 89 83 20-0166	LF	CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	48.43	
50 89 83 20-0167	LF	CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	53.85	
50 89 83 20-0168	LF	CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT	26.95	
		For >1,000, Deduct	*-1.35*	
50 89 83 20-0169	LF	CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT	31.39	
		For >1,000, Deduct	*-1.57*	
50 89 83 20-0170	LF	CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT	36.20	
		For >1,000, Deduct	*-1.81*	
50 89 83 20-0171	LF	CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT	48.65	
		For >1,000, Deduct	*-2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0172	LF	CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT	65.07	
		For >1,000, Deduct	*-3.25*	
50 89 83 20-0173	LF	CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT	91.25	
		For >1,000, Deduct	*-4.56*	
50 89 83 20-0174	LF	CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT	129.84	
		For >1,000, Deduct	*-6.49*	
50 89 83 20-0175	LF	CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT	169.84	
		For >1,000, Deduct	*-8.49*	
50 89 83 20-0176	LF	CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT	215.22	
		For >1,000, Deduct	*-10.76*	

50 89 83 21 EROSION CONTROL *(50 89 83)*

Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.

50 89 83 21-0001	EA	CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL)	397.28	
50 89 83 21-0002	CY	CALTRANS 210110 IMPORTED TOPSOIL (CY)	74.99	
50 89 83 21-0003	TON	CALTRANS 210111 IMPORTED TOPSOIL (TON)	93.72	
50 89 83 21-0004	SF	CALTRANS 210212 DRY SEED (SQFT)	0.12	
50 89 83 21-0005	ACR	CALTRANS 210213 DRY SEED (ACRE)	4,970.17	
		For >5 To 20, Deduct	*-353.10*	
		For >20 To 45, Deduct	*-686.54*	
		For >45, Deduct	*-1,124.58*	
50 89 83 21-0006	SY	CALTRANS 210222 DRILL SEED (SQYD)	0.40	
50 89 83 21-0007	ACR	CALTRANS 210223 DRILL SEED (ACRE)	1,955.92	
50 89 83 21-0008	SF	CALTRANS 210252 BONDED FIBER MATRIX (SQFT)	0.11	
50 89 83 21-0009	ACR	CALTRANS 210253 BONDED FIBER MATRIX (ACRE)	4,718.54	
50 89 83 21-0010	SF	CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH)	0.55	
50 89 83 21-0011	SF	CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING)	2.17	
50 89 83 21-0012	SF	CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET)	0.72	
50 89 83 21-0013	SF	CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM)	1.71	
50 89 83 21-0014	SF	CALTRANS 210300 HYDROMULCH	0.12	
50 89 83 21-0015	LF	CALTRANS 210350 FIBER ROLL	8.81	
		Note: 12" Diameter, Type 1		
		For >1,000 To 10,000, Deduct	*-1.01*	
		For >10,000, Deduct	*-1.71*	
		For 9" Diameter, Deduct	*-0.98*	
50 89 83 21-0016	LF	CALTRANS 210350 FIBER ROLL	6.86	
		Note: 12" Diameter, Type 2		
		For >1,000 To 10,000, Deduct	*-0.72*	
		For >10,000, Deduct	*-1.22*	
		For 9" Diameter, Deduct	*-0.98*	
50 89 83 21-0017	LF	CALTRANS 210360 COMPOST SOCK	12.31	
50 89 83 21-0018	SF	CALTRANS 210420 STRAW	0.24	
50 89 83 21-0019	SF	CALTRANS 210430 HYDROSEED	0.12	
50 89 83 21-0020	CY	CALTRANS 210610 COMPOST (CY)	101.78	
		For >100 To 1,000, Deduct	*-17.12*	
		For >1,000, Deduct	*-26.22*	
50 89 83 21-0021	SF	CALTRANS 210630 INCORPORATE MATERIALS	0.06	

50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES *(50 89 80)*

50 89 84 24 STABILIZED SOILS *(50 89 84)*

50 89 84 24-0001	SY	CALTRANS 240105 LIME STABILIZED SOIL	12.27	
		For 4% Lime Instead Of 5%, Deduct	*-0.32*	
		For 6% Lime Instead Of 5%, Add	*0.32*	
50 89 84 24-0002	SY	CALTRANS 240300 CEMENT STABILIZED SOIL	12.51	

50 89 84 25 AGGREGATE SUBBASES *(50 89 84)*

Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 25-0001	CY	CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE	114.07	
50 89 84 25-0002	CY	CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE	113.30	
50 89 84 25-0003	CY	CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE	108.99	
50 89 84 25-0004	CY	CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE	108.94	
50 89 84 25-0005	CY	CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE	108.89	

50 89 84 26 AGGREGATE BASES *(50 89 84)*

Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 26-0001	CY	CALTRANS 260200 AGGREGATE BASE	113.63	
		For Recycled Aggregate Base, Deduct	*-6.20*	
50 89 84 26-0002	TON	CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON)	112.71	
50 89 84 26-0003	CY	CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY)	113.30	
50 89 84 26-0004	TON	CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON)	106.83	
50 89 84 26-0005	CY	CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY)	108.99	

50 89 84 27 CEMENT TREATED BASES *(50 89 84)*

Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001	TON	CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)	58.78	
		For Up To 500, Add	*17.34*	
		For >500 To 1,000, Add	*5.88*	
		For >5,000 To 10,000, Deduct	*-2.23*	
		For >10,000, Deduct	*-3.82*	
50 89 84 27-0002	CY	CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY)	79.71	
		For Up To 500, Add	*23.52*	
		For >500 To 1,000, Add	*7.97*	
		For >5,000 To 10,000, Deduct	*-3.03*	
		For >10,000, Deduct	*-5.18*	
50 89 84 27-0003	TON	CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON)	48.53	
		For Up To 500, Add	*14.26*	
		For >500 To 1,000, Add	*4.85*	
		For >5,000 To 10,000, Deduct	*-1.84*	
		For >10,000, Deduct	*-3.15*	
50 89 84 27-0004	CY	CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY)	69.47	
		For Up To 500, Add	*20.45*	
		For >500 To 1,000, Add	*6.95*	
		For >5,000 To 10,000, Deduct	*-2.64*	
		For >10,000, Deduct	*-4.52*	

50 89 84 28 CONCRETE BASES *(50 89 84)*

Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.

50 89 84 28-0001	CY	CALTRANS 280001 CONCRETE BASE	267.10	

50 89 84 29 TREATED PERMEABLE BASES *(50 89 84)*

Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.

50 89 84 29-0001	CY	CALTRANS 290301 CEMENT TREATED PERMEABLE BASE	1,042.07	
		For >5,000 To 30,000, Deduct	*-111.21*	
		For >30,000 To 100,000, Deduct	*-203.38*	
		For >100,000, Deduct	*-252.57*	

50 89 84 30 RECLAIMED PAVEMENT *(50 89 84)*

Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.

50 89 84 30-0001	SF	CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT	28.45	
50 89 84 30-0002	SY	CALTRANS 303000 PULVERIZED ROADBED	5.90	

50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS *(50 89 80)*

50 89 85 37 BITUMINOUS SEALS *(50 89 85)*

Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.

50 89 85 37-0001	SY	CALTRANS 370001 SAND COVER (SEAL)	1.65	
50 89 85 37-0002	SY	CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT)	0.95	
50 89 85 37-0003	LNMI	CALTRANS 374207 CRACK TREATMENT	7,364.77	
50 89 85 37-0004	SY	CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT)	5.24	
50 89 85 37-0005	SY	CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT)	10.98	
50 89 85 37-0006	TON	CALTRANS 375001 SCREENINGS	81.50	
		For Up To 14, Add	*22.06*	
		For >14 To 35, Add	*8.15*	
50 89 85 37-0007	SY	CALTRANS 375009 TACK COAT (SEAL)	1.43	
		For Up To 150, Add	*0.32*	
		For >150 To 300, Add	*0.14*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.10*	
50 89 85 37-0008	SY	CALTRANS 377501 SLURRY SEAL (TYPE I) Note: 1/8" thick.	3.36	
		For Each 0.5% Of Latex Addition, Add	*0.34*	
50 89 85 37-0009	SY	CALTRANS 377501 SLURRY SEAL (TYPE II) Note: 1/4" thick, 14 to 18 Lb./SY.	4.42	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
50 89 85 37-0010	SY	CALTRANS 377501 SLURRY SEAL (TYPE III) Note: 3/8" thick, 25 to 30 Lb./SY.	5.73	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
50 89 85 37-0011	SY	CALTRANS 378000 MICRO-SURFACING	11.78	

50 89 85 39 ASPHALT CONCRETE *(50 89 85)*

Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 39-0001	TON	CALTRANS 390100 PRIME COAT	2,077.53	
50 89 85 39-0002	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25)	180.54	
50 89 85 39-0003	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100)	170.32	
50 89 85 39-0004	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250)	154.19	
50 89 85 39-0005	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250)	146.48	
50 89 85 39-0006	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25)	283.06	
50 89 85 39-0007	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100)	247.24	
50 89 85 39-0008	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250)	212.20	
50 89 85 39-0009	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250)	180.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0010	TON	CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25)	292.19	
50 89 85 39-0011	TON	CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	182.42	
		Note: Includes placement, rolling, finishing and sweeping.		
50 89 85 39-0012	SY	CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC)	2.11	
		Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
50 89 85 39-0013	LF	CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B)	10.05	
50 89 85 39-0014	LF	CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	7.37	
50 89 85 39-0015	LF	CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	3.99	
50 89 85 39-0016	LF	CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	16.08	
50 89 85 39-0017	LF	CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	10.40	
50 89 85 39-0018	LF	CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.83	
50 89 85 39-0019	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	17.23	
		For Up To 500, Add	*2.78*	
		For >500 To 1,000, Add	*1.59*	
		For >5,000 To 10,000, Deduct	*-0.69*	
		For >10,000 To 24,000, Deduct	*-1.26*	
		For >24,000 To 48,000, Deduct	*-1.94*	
		For >48,000, Deduct	*-2.80*	
50 89 85 39-0020	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3"	23.92	
		For Up To 300, Add	*3.63*	
		For >300 To 600, Add	*2.91*	
		For >3,000 To 6,000, Deduct	*-0.99*	
		For >6,000 To 16,000, Deduct	*-1.81*	
		For >16,000 To 32,000, Deduct	*-2.80*	
		For >32,000, Deduct	*-4.03*	
50 89 85 39-0021	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4"	32.29	
		For Up To 250, Add	*4.54*	
		For >250 To 500, Add	*2.53*	
		For >2,500 To 5,000, Deduct	*-1.40*	
		For >5,000 To 12,000, Deduct	*-2.54*	
		For >12,000 To 24,000, Deduct	*-3.94*	
		For >24,000, Deduct	*-5.65*	
50 89 85 39-0022	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6"	48.43	
		For Up To 160, Add	*6.82*	
		For >160 To 320, Add	*3.79*	
		For >1,600 To 3,200, Deduct	*-2.09*	
		For >3,200 To 8,000, Deduct	*-3.81*	
		For >8,000 To 16,000, Deduct	*-5.90*	
		For >16,000, Deduct	*-8.48*	
50 89 85 39-0023	TON	CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE)	182.42	
50 89 85 39-0024	TON	CALTRANS 397005 TACK COAT	1,265.64	
50 89 85 39-0025	SF	CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY)	216.89	
		For >500 To 1,000, Deduct	*-21.69*	
		For >1,000 To 2,500, Deduct	*-39.04*	
		For >2,500 To 5,000, Deduct	*-56.39*	
		For >5,000 To 10,000, Deduct	*-73.74*	
		For >10,000, Deduct	*-91.09*	
50 89 85 39-0026	SF	CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.67	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,500, Deduct	*-0.66*	
		For >2,500 To 5,000, Deduct	*-0.95*	
		For >5,000 To 10,000, Deduct	*-1.25*	
		For >10,000, Deduct	*-1.54*	
50 89 85 39-0027	LF	CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE	5.98	
50 89 85 39-0028	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3")	5.29	
		For Up To 2,500, Add	*3.97*	
		For >2,500 To 5,000, Add	*1.32*	
		For >10,000 To 25,000, Deduct	*-0.53*	
		For >25,000, Deduct	*-0.79*	
50 89 85 39-0029	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6")	7.05	
		For Up To 2,500, Add	*5.29*	
		For >2,500 To 5,000, Add	*1.76*	
		For >10,000 To 25,000, Deduct	*-0.71*	
		For >25,000, Deduct	*-1.06*	

50 89 85 40 CONCRETE PAVEMENT *(50 89 85)*

Note: Includes concrete pavement, reinforing, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 40-0001	CY	CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	413.69	
		For >1,000 To 5,000, Deduct	*-20.00*	
		For >5,000, Deduct	*-50.69*	
50 89 85 40-0002	CY	CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	396.44	
		For >1,000 To 5,000, Deduct	*-20.00*	
		For >5,000, Deduct	*-49.83*	

50 89 85 41 EXISTING CONCRETE PAVEMENT *(50 89 85)*

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001	EA	CALTRANS 410096 DRILL AND BOND (DOWEL BAR)	35.42	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE)	446.45	
		For Up To 100, Add	*627.48*	
		For >100 To 250, Add	*313.74*	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER)	9.93	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE)	9.54	
50 89 85 41-0005	LF	CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16")	17.05	
50 89 85 41-0006	LF	CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4")	20.21	
50 89 85 41-0007	LF	CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2")	39.84	
50 89 85 41-0008	LF	CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE)	13.98	
50 89 85 41-0009	LF	CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION)	14.48	
50 89 85 41-0010	SY	CALTRANS 416101 PAVEMENT TRANSITION TAPER	65.32	
		For Up To 100, Add	*26.16*	
		For >100 To 250, Add	*14.71*	
		For >250 To 500, Add	*7.35*	
		For >1,000 To 2,000, Deduct	*-1.63*	
		For >2,000 To 5,000, Deduct	*-3.26*	
		For >5,000 To 10,000, Deduct	*-4.90*	
		For >10,000 To 20,000, Deduct	*-6.53*	
		For >20,000, Deduct	*-8.16*	
50 89 85 41-0011	CY	CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE	53.88	
50 89 85 41-0012	SY	CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD)	26.29	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000 To 2,500, Deduct	*-4.73*	
		For >2,500 To 5,000, Deduct	*-6.84*	
		For >5,000 To 10,000, Deduct	*-8.94*	
		For >10,000, Deduct	*-11.04*	

50 89 85 42 GROOVE AND GRIND CONCRETE *(50 89 85)*

Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.

50 89 85 42-0001	SY	CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT	2.03	
50 89 85 42-0002	SY	CALTRANS 420104 GROOVE EXISTING BRIDGE DECK	3.04	
50 89 85 42-0003	SY	CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT	5.29	
		For Up To 2,500, Add	*3.97*	
		For >2,500 To 5,000, Add	*1.32*	
		For >10,000 To 25,000, Deduct	*-0.53*	
		For >25,000, Deduct	*-0.79*	
50 89 85 42-0004	SY	CALTRANS 420203 GRIND EXISTING BRIDGE DECK	33.46	
		For >100 To 1,000, Deduct	*-16.73*	
		For >1,000, Deduct	*-25.10*	

50 89 86 CALTRANS DIVISION VI - STRUCTURES *(50 89 80)*

50 89 86 47 EARTH RETAINING SYSTEMS *(50 89 86)*

50 89 86 47-0001	SF	CALTRANS 475010 RETAINING WALL (MASONRY WALL)	76.26	9.93
		For >3:1 Sloped Soil At Top, Add	*4.79*	

50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES *(50 89 86)*

50 89 86 56-0001	SF	CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	24.68	26.42

50 89 86 60 EXISTING STRUCTURES *(50 89 86)*

50 89 86 60-0001	LF	CALTRANS 600063 CORE CONCRETE (1")	143.03	
		For Horizontal Cores, Add	*28.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.55*	
50 89 86 60-0002	LF	CALTRANS 600064 CORE CONCRETE (2")	176.18	
		For Horizontal Cores, Add	*34.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*69.81*	
50 89 86 60-0003	LF	CALTRANS 600065 CORE CONCRETE (3")	193.39	
		For Horizontal Cores, Add	*38.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.44*	
50 89 86 60-0004	LF	CALTRANS 600066 CORE CONCRETE (4")	257.78	
		For Horizontal Cores, Add	*50.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.93*	
50 89 86 60-0005	LF	CALTRANS 600067 CORE CONCRETE (5")	296.85	
		For Horizontal Cores, Add	*58.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*117.28*	
50 89 86 60-0006	LF	CALTRANS 600068 CORE CONCRETE (6")	335.25	
		For Horizontal Cores, Add	*66.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*132.64*	
50 89 86 60-0007	LF	CALTRANS 600069 CORE CONCRETE (7")	438.66	
		For Horizontal Cores, Add	*86.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*173.48*	
50 89 86 60-0008	LF	CALTRANS 600070 CORE CONCRETE (8")	540.77	
		For Horizontal Cores, Add	*107.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*214.33*	
50 89 86 60-0009	LF	CALTRANS 600071 CORE CONCRETE (9")	62.19	
		For Horizontal Cores, Add	*11.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.24*	
50 89 86 60-0010	LF	CALTRANS 600072 CORE CONCRETE (10")	582.56	
		For Horizontal Cores, Add	*115.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*230.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0011	LF	CALTRANS 600074 CORE CONCRETE (12")	671.14	
		For Horizontal Cores, Add	*132.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*265.29*	
50 89 86 60-0012	LF	CALTRANS 600081 CORE CONCRETE (1 1/2")	158.73	
		For Horizontal Cores, Add	*31.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*62.83*	
50 89 86 60-0013	LF	CALTRANS 600083 CORE CONCRETE (2 1/2")	185.10	
		For Horizontal Cores, Add	*36.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*73.13*	

50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES *(50 89 80)*

50 89 87 64 PLASTIC PIPE *(50 89 87)*

Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 64-0001	LF	CALTRANS 641101 12" PLASTIC PIPE	55.35	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0002	LF	CALTRANS 641104 15" PLASTIC PIPE	69.34	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0003	LF	CALTRANS 641107 18" PLASTIC PIPE	87.53	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0004	LF	CALTRANS 641110 21" PLASTIC PIPE	103.89	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0005	LF	CALTRANS 641113 24" PLASTIC PIPE	121.02	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0006	LF	CALTRANS 641119 30" PLASTIC PIPE	174.23	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0007	LF	CALTRANS 641125 36" PLASTIC PIPE	212.41	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0008	LF	CALTRANS 641128 42" PLASTIC PIPE	256.69	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 64-0009	LF	CALTRANS 641131 48" PLASTIC PIPE	309.25	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

50 89 87 65 CONCRETE PIPE *(50 89 87)*

Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 65-0001	LF	CALTRANS 650010 12" REINFORCED CONCRETE PIPE	70.05	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.50*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0002	LF	CALTRANS 650012 15" REINFORCED CONCRETE PIPE	87.04	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0003	LF	CALTRANS 650014 18" REINFORCED CONCRETE PIPE	99.77	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.99*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0004	LF	CALTRANS 650016 21" REINFORCED CONCRETE PIPE	128.25	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.41*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0005	LF	CALTRANS 650018 24" REINFORCED CONCRETE PIPE	148.31	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.42*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006	LF	CALTRANS 650019 27" REINFORCED CONCRETE PIPE	183.64	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.18*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0007	LF	CALTRANS 650022 30" REINFORCED CONCRETE PIPE	196.35	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.82*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0008	LF	CALTRANS 650024 33" REINFORCED CONCRETE PIPE	219.08	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.95*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0009	LF	CALTRANS 650026 36" REINFORCED CONCRETE PIPE	241.62	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.08*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0010	LF	CALTRANS 650030 42" REINFORCED CONCRETE PIPE	310.66	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-15.53*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0011	LF	CALTRANS 650034 48" REINFORCED CONCRETE PIPE	372.14	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-18.61*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0012	LF	CALTRANS 650038 54" REINFORCED CONCRETE PIPE	457.33	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-22.87*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0013	LF	CALTRANS 650042 60" REINFORCED CONCRETE PIPE	548.74	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-27.44*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0014	LF	CALTRANS 650046 66" REINFORCED CONCRETE PIPE	813.11	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-40.66*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0015	LF	CALTRANS 650050 72" REINFORCED CONCRETE PIPE	943.65	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-47.18*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0016	LF	CALTRANS 650054 78" REINFORCED CONCRETE PIPE	1,126.10	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-56.31*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0017	LF	CALTRANS 650058 84" REINFORCED CONCRETE PIPE	1,431.71	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-71.59*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0018	LF	CALTRANS 650065 96" REINFORCED CONCRETE PIPE	1,744.93	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-87.25*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0019	LF	CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II)	97.67	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.88*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0020	LF	CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II)	192.14	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.61*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0021	LF	CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II)	214.12	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.71*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0022	LF	CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II)	235.91	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023	LF	CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III)	70.05	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.50*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0024	LF	CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III)	87.04	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0025	LF	CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III)	99.77	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.99*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0026	LF	CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III)	148.31	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.42*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0027	LF	CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III)	183.64	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.18*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0028	LF	CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III)	196.35	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.82*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0029	LF	CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III)	241.62	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.08*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0030	LF	CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III)	310.66	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-15.53*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0031	LF	CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III)	457.33	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-22.87*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0032	LF	CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV)	73.01	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.65*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0033	LF	CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV)	90.83	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.54*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0034	LF	CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV)	103.76	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0035	LF	CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV)	154.18	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.71*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0036	LF	CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV)	204.36	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.22*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0037	LF	CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV)	252.48	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.62*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0038	LF	CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV)	391.63	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-19.58*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0039	LF	CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV)	482.63	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-24.13*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040	LF	CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV)	579.86	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-28.99*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0041	LF	CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V)	76.28	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.81*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0042	LF	CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V)	108.16	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.41*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0043	LF	CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V)	160.66	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.03*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0044	LF	CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V)	196.35	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.82*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0045	LF	CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V)	264.48	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-13.22*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0046	LF	CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V)	310.66	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-15.53*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0047	LF	CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V)	510.60	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-25.53*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0048	LF	CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V)	548.74	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-27.44*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0049	LF	CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V)	943.65	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-47.18*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0050	LF	CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	70.67	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.53*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0051	LF	CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	149.55	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.48*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0052	LF	CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	72.38	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.62*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0053	LF	CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	102.92	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.15*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0054	LF	CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	132.34	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.62*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0055	LF	CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	152.94	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.65*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0056	LF	CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	202.67	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.13*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0057	LF	CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.30 CY of excavated material per LF of pipe.	250.19	
		For >1,000, Deduct	*-12.51*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0058	LF	CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.53 CY of excavated material per LF of pipe.	323.06	
		For >1,000, Deduct	*-16.15*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0059	LF	CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.78 CY of excavated material per LF of pipe.	387.53	
		For >1,000, Deduct	*-19.38*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0060	LF	CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 2.96 CY of excavated material per LF of pipe.	994.24	
		For >1,000, Deduct	*-49.71*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0061	LF	CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 0.89 CY of excavated material per LF of pipe.	159.24	
		For >1,000, Deduct	*-7.96*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0062	LF	CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.08 CY of excavated material per LF of pipe.	211.27	
		For >1,000, Deduct	*-10.56*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0063	LF	CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.30 CY of excavated material per LF of pipe.	261.85	
		For >1,000, Deduct	*-13.09*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0064	LF	CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.53 CY of excavated material per LF of pipe.	339.93	
		For >1,000, Deduct	*-17.00*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0065	LF	CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 2.64 CY of excavated material per LF of pipe.	913.68	
		For >1,000, Deduct	*-45.68*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0066	LF	CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 0.64 CY of excavated material per LF of pipe.	168.57	
		For >1,000, Deduct	*-8.43*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0067	LF	CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 0.89 CY of excavated material per LF of pipe.	208.37	
		For >1,000, Deduct	*-10.42*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0068	LF	CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 1.30 CY of excavated material per LF of pipe.	277.69	
		For >1,000, Deduct	*-13.88*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0069	LF	CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II) Note: Includes 1.08 CY of excavated material per LF of pipe.	291.26	
		For >1,000, Deduct	*-14.56*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0070	LF	CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III) Note: Includes 1.78 CY of excavated material per LF of pipe.	499.37	
		For >1,000, Deduct	*-24.97*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0071	LF	CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE Note: Includes 0.64 CY of excavated material per LF of pipe.	91.37	
		For >1,000, Deduct	*-4.57*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0072	LF	CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE Note: Includes 0.89 CY of excavated material per LF of pipe.	135.97	
		For >1,000, Deduct	*-6.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 65-0073	LF	CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE Note: Includes 1.08 CY of excavated material per LF of pipe.	179.50	
		For >1,000, Deduct	*-8.98*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe.	218.76	
		For >1,000, Deduct	*-10.94*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

50 89 87 66 CORRUGATED METAL PIPE *(50 89 87)*

Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	31.89	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	34.52	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	42.97	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	46.44	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	52.92	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	55.75	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	58.79	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	63.31	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	74.00	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	79.57	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	91.04	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	86.71	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	93.44	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	107.36	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	102.82	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	110.59	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	126.77	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe.	114.00	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	123.24 *0.99* *1.38*	
50 89 87 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	141.68 *0.99* *1.38*	
50 89 87 66-0021	LF	CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	157.16 *0.99* *1.38*	
50 89 87 66-0022	LF	CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.98 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	131.65 *0.99* *1.38*	
50 89 87 66-0023	LF	CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.98 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	141.89 *0.99* *1.38*	
50 89 87 66-0024	LF	CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	152.39 *0.99* *1.38*	
50 89 87 66-0025	LF	CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	163.42 *0.99* *1.38*	
50 89 87 66-0026	LF	CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	186.21 *0.99* *1.38*	
50 89 87 66-0027	LF	CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	205.90 *0.99* *1.38*	
50 89 87 66-0028	LF	CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	200.96 *0.99* *1.38*	
50 89 87 66-0029	LF	CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	214.35 *0.99* *1.38*	
50 89 87 66-0030	LF	CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	241.40 *0.99* *1.38*	
50 89 87 66-0031	LF	CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	266.72 *0.99* *1.38*	
50 89 87 66-0032	LF	CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	296.64 *0.99* *1.38*	
50 89 87 66-0033	LF	CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	234.02 *0.99* *1.38*	
50 89 87 66-0034	LF	CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	249.35 *0.99* *1.38*	
50 89 87 66-0035	LF	CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	280.61 *0.99* *1.38*	
50 89 87 66-0036	LF	CALTRANS 665043 42" COORUGATED STEEL PIPE (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	310.23 *0.99* *1.38*	
50 89 87 66-0037	LF	CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	266.37 *0.99* *1.38*	
50 89 87 66-0038	LF	CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	283.91 *0.99* *1.38*	
50 89 87 66-0039	LF	CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	319.74 *0.99* *1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040	LF	CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK)	353.35	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0041	LF	CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK)	392.96	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0042	LF	CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK)	346.79	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0043	LF	CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK)	386.34	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0044	LF	CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK)	424.00	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0045	LF	CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK)	470.92	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0046	LF	CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK)	446.85	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0047	LF	CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK)	488.76	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0048	LF	CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK)	540.29	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0049	LF	CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK)	536.19	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0050	LF	CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK)	582.26	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0051	LF	CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK)	718.50	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0052	LF	CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK)	783.79	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0053	LF	CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK)	847.05	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0054	LF	CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK)	907.13	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0055	LF	CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK)	1,005.25	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0056	LF	CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK)	971.71	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0057	LF	CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK)	1,034.01	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0058	LF	CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK)	118.91	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0059	LF	CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	129.78	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0060	LF	CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	37.47	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0061	LF	CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	46.83	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0062	LF	CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	50.31	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0063	LF	CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	57.78	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0064	LF	CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	62.15	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0065	LF	CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	63.92	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0066	LF	CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	68.45	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0067	LF	CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	80.37	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0068	LF	CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	86.01	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0069	LF	CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	99.81	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0070	LF	CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	94.43	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0071	LF	CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	101.24	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0072	LF	CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	116.29	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0073	LF	CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	112.05	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0074	LF	CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	119.87	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0075	LF	CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	137.32	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0076	LF	CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	120.03	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0077	LF	CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	133.74	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0078	LF	CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	153.64	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0079	LF	CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	171.73	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0080	LF	CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	165.86	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0081	LF	CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	176.89	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0082	LF	CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	201.43	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0083	LF	CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	224.43	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0084	LF	CALTRANS 665135 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	217.95 *0.99* *1.38*	
50 89 87 66-0085	LF	CALTRANS 665136 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	231.24 *0.99* *1.38*	
50 89 87 66-0086	LF	CALTRANS 665137 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	260.22 *0.99* *1.38*	
50 89 87 66-0087	LF	CALTRANS 665138 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	290.65 *0.99* *1.38*	
50 89 87 66-0088	LF	CALTRANS 665139 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	325.88 *0.99* *1.38*	
50 89 87 66-0089	LF	CALTRANS 665140 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	254.12 *0.99* *1.38*	
50 89 87 66-0090	LF	CALTRANS 665141 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	269.24 *0.99* *1.38*	
50 89 87 66-0091	LF	CALTRANS 665142 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	302.65 *0.99* *1.38*	
50 89 87 66-0092	LF	CALTRANS 665143 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	338.27 *0.99* *1.38*	
50 89 87 66-0093	LF	CALTRANS 665145 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	288.89 *0.99* *1.38*	
50 89 87 66-0094	LF	CALTRANS 665146 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	306.26 *0.99* *1.38*	
50 89 87 66-0095	LF	CALTRANS 665147 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	344.63 *0.99* *1.38*	
50 89 87 66-0096	LF	CALTRANS 665148 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	385.04 *0.99* *1.38*	
50 89 87 66-0097	LF	CALTRANS 665149 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	431.68 *0.99* *1.38*	
50 89 87 66-0098	LF	CALTRANS 665150 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	374.27 *0.99* *1.38*	
50 89 87 66-0099	LF	CALTRANS 665151 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	416.19 *0.99* *1.38*	
50 89 87 66-0100	LF	CALTRANS 665152 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	461.53 *0.99* *1.38*	
50 89 87 66-0101	LF	CALTRANS 665153 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	516.77 *0.99* *1.38*	
50 89 87 66-0102	LF	CALTRANS 665155 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	479.56 *0.99* *1.38*	
50 89 87 66-0103	LF	CALTRANS 665156 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	529.99 *0.99* *1.38*	
50 89 87 66-0104	LF	CALTRANS 665157 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	590.65 *0.99* *1.38*	

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50 89 87 66-0105	LF	CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	575.99 *0.99* *1.38*	
50 89 87 66-0106	LF	CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	629.89 *0.99* *1.38*	
50 89 87 66-0107	LF	CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	704.13 *0.99* *1.38*	
50 89 87 66-0108	LF	CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	783.63 *0.99* *1.38*	
50 89 87 66-0109	LF	CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	861.98 *0.99* *1.38*	
50 89 87 66-0110	LF	CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	951.90 *0.99* *1.38*	
50 89 87 66-0111	LF	CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	929.63 *0.99* *1.38*	
50 89 87 66-0112	LF	CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,026.79 *0.99* *1.38*	
50 89 87 66-0113	LF	CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	996.33 *0.99* *1.38*	
50 89 87 66-0114	LF	CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,114.07 *0.99* *1.38*	
50 89 87 66-0115	LF	CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 4.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,066.40 *0.99* *1.38*	
50 89 87 66-0116	LF	CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	198.20 *0.99* *1.38*	
50 89 87 66-0117	LF	CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	147.55 *0.99* *1.38*	
50 89 87 66-0118	LF	CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	163.29 *0.99* *1.38*	
50 89 87 66-0119	LF	CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	275.38 *0.99* *1.38*	
50 89 87 66-0120	LF	CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	133.74 *0.99* *1.38*	
50 89 87 66-0121	LF	CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	258.08 *0.99* *1.38*	
50 89 87 66-0122	LF	CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	231.24 *0.99* *1.38*	
50 89 87 66-0123	LF	CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	63.77 *0.99* *1.38*	
50 89 87 66-0124	LF	CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	68.17 *0.99* *1.38*	
50 89 87 66-0125	LF	CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	81.89 *0.99* *1.38*	

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50 89 87 66-0126	LF	CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	114.22 *0.99* *1.38*	
50 89 87 66-0127	LF	CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	124.32 *0.99* *1.38*	
50 89 87 66-0128	LF	CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	210.73 *0.99* *1.38*	
50 89 87 66-0129	LF	CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	123.92 *0.99* *1.38*	
50 89 87 66-0130	LF	CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	132.86 *0.99* *1.38*	
50 89 87 66-0131	LF	CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	70.03 *0.99* *1.38*	
50 89 87 66-0132	LF	CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	75.49 *0.99* *1.38*	
50 89 87 66-0133	LF	CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	128.58 *0.99* *1.38*	
50 89 87 66-0134	LF	CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	141.11 *0.99* *1.38*	
50 89 87 66-0135	LF	CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	180.25 *0.99* *1.38*	
50 89 87 66-0136	LF	CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	210.92 *0.99* *1.38*	
50 89 87 66-0137	LF	CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	147.74 *0.99* *1.38*	
50 89 87 66-0138	LF	CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	248.45 *0.99* *1.38*	
50 89 87 66-0139	LF	CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	83.06 *0.99* *1.38*	
50 89 87 66-0140	LF	CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	101.54 *0.99* *1.38*	
50 89 87 66-0141	LF	CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	115.35 *0.99* *1.38*	
50 89 87 66-0142	LF	CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	119.48 *0.99* *1.38*	
50 89 87 66-0143	LF	CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	135.76 *0.99* *1.38*	
50 89 87 66-0144	LF	CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	126.29 *0.99* *1.38*	
50 89 87 66-0145	LF	CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	152.37 *0.99* *1.38*	
50 89 87 66-0146	LF	CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	168.52 *0.99* *1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147	LF	CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	176.75 *0.99* *1.38*	
50 89 87 66-0148	LF	CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	199.49 *0.99* *1.38*	
50 89 87 66-0149	LF	CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	219.82 *0.99* *1.38*	
50 89 87 66-0150	LF	CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	219.45 *0.99* *1.38*	
50 89 87 66-0151	LF	CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	246.34 *0.99* *1.38*	
50 89 87 66-0152	LF	CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	271.66 *0.99* *1.38*	
50 89 87 66-0153	LF	CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	256.60 *0.99* *1.38*	
50 89 87 66-0154	LF	CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	287.64 *0.99* *1.38*	
50 89 87 66-0155	LF	CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	317.16 *0.99* *1.38*	
50 89 87 66-0156	LF	CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	307.88 *0.99* *1.38*	
50 89 87 66-0157	LF	CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	335.44 *0.99* *1.38*	
50 89 87 66-0158	LF	CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	368.90 *0.99* *1.38*	
50 89 87 66-0159	LF	CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	359.37 *0.99* *1.38*	
50 89 87 66-0160	LF	CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	389.81 *0.99* *1.38*	
50 89 87 66-0161	LF	CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	454.56 *0.99* *1.38*	
50 89 87 66-0162	LF	CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	492.65 *0.99* *1.38*	
50 89 87 66-0163	LF	CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	749.28 *0.99* *1.38*	
50 89 87 66-0164	LF	CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	165.07 *0.99* *1.38*	
50 89 87 66-0165	LF	CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	331.69 *0.99* *1.38*	
50 89 87 66-0166	LF	CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	63.31 *0.99* *1.38*	
50 89 87 66-0167	LF	CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	86.71 *0.99* *1.38*	
50 89 87 66-0168	LF	CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	93.44 *0.99* *1.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0169	LF	CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK)	107.36	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0170	LF	CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	46.83	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 66-0171	LF	CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK)	133.74	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

50 89 87 67 STRUCTURAL PLATE CULVERTS *(50 89 87)*

Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.

50 89 87 67-0001	LF	CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK)	1,008.70	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 67-0002	LF	CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,102.82	
		Note: Includes 5.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 67-0003	LF	CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,225.21	
		Note: Includes 6.22 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 67-0004	LF	CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK)	1,408.54	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

50 89 87 68 SUBSURFACE DRAINS *(50 89 87)*

Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.

50 89 87 68-0001	LF	CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	34.89	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 68-0002	LF	CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	46.97	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 68-0003	LF	CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	51.31	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 68-0004	LF	CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	66.31	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 68-0005	LF	CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	72.00	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	
50 89 87 68-0006	LF	CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	56.17	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.99*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.38*	

50 89 87 69 OVERSIDE DRAINS *(50 89 87)*

Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.

50 89 87 69-0001	LF	CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	33.97	
50 89 87 69-0002	LF	CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	42.06	
50 89 87 69-0003	LF	CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	45.52	
50 89 87 69-0004	LF	CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN	54.66	
50 89 87 69-0005	LF	CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	57.25	
50 89 87 69-0006	LF	CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	61.77	
50 89 87 69-0007	LF	CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	77.47	
50 89 87 69-0008	LF	CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	88.95	
50 89 87 69-0009	LF	CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	84.30	
50 89 87 69-0010	LF	CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	91.02	
50 89 87 69-0011	LF	CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	104.94	
50 89 87 69-0012	LF	CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	109.65	
50 89 87 69-0013	LF	CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	118.68	
50 89 87 69-0014	LF	CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	137.12	
50 89 87 69-0015	LF	CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	152.60	
50 89 87 69-0016	LF	CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	158.31	
50 89 87 69-0017	LF	CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	181.12	
50 89 87 69-0018	LF	CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	200.81	
50 89 87 69-0019	LF	CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	208.63	
50 89 87 69-0020	LF	CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	235.68	
50 89 87 69-0021	LF	CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	261.00	
50 89 87 69-0022	LF	CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	272.23	
50 89 87 69-0023	LF	CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	308.35	
50 89 87 69-0024	LF	CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	341.97	
50 89 87 69-0025	LF	CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	373.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 69-0026	LF	CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	45.92	
50 89 87 69-0027	LF	CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	49.39	
50 89 87 69-0028	LF	CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	62.37	
50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	66.90	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	92.02	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	98.82	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	113.87	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	120.03	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	129.17	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	149.08	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	167.17	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	171.78	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	196.33	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	212.23	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	254.49	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	284.93	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	294.28	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	333.25	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	219.33	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	86.38	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	127.53	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	121.07	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	158.73	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	260.86	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	427.88	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN	53.82	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN	85.11	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY	707.33	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY	881.69	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY	988.49	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY	1,102.88	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY	1,355.24	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY	1,624.75	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY	1,894.43	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY	2,706.39	

50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES *(50 89 87)*

50 89 87 70-0001	LF	CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK)	214.35	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK)	214.35	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK)	241.40	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK)	266.72	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK)	323.84	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK)	319.74	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK)	353.35	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK)	217.95	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	229.68	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK)	260.22	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK)	290.65	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	344.63	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK)	138.19	31.82
		For >1,000, Deduct	*-6.91*	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK)	196.60	34.71
		For >1,000, Deduct	*-9.83*	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK)	223.92	36.37
		For >1,000, Deduct	*-11.20*	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK)	318.77	47.73
		For >1,000, Deduct	*-15.94*	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK)	423.55	82.27
		For >1,000, Deduct	*-21.18*	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK)	464.37	82.27
		For >1,000, Deduct	*-23.22*	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK)	501.12	94.94
		For >1,000, Deduct	*-25.06*	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK)	594.34	94.94
		For >1,000, Deduct	*-29.72*	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK)	582.21	110.76
		For >1,000, Deduct	*-29.11*	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK)	690.11	110.76
		For >1,000, Deduct	*-34.51*	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK)	775.69	132.90
		For >1,000, Deduct	*-38.78*	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK)	924.57	132.90
		For >1,000, Deduct	*-46.23*	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK)	1,603.37	148.73
		For >1,000, Deduct	*-80.17*	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK)	1,603.37	148.73
		For >1,000, Deduct	*-80.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027	LF	CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,841.17	167.72
		For >1,000, Deduct	*-92.06*	
50 89 87 70-0028	LF	CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	152.20	31.82
		For >1,000, Deduct	*-7.61*	
50 89 87 70-0029	LF	CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	212.20	34.71
		For >1,000, Deduct	*-10.61*	
50 89 87 70-0030	LF	CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	223.92	36.37
		For >1,000, Deduct	*-11.20*	
50 89 87 70-0031	LF	CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	345.21	47.73
		For >1,000, Deduct	*-17.26*	
50 89 87 70-0032	LF	CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	449.98	82.27
		For >1,000, Deduct	*-22.50*	
50 89 87 70-0033	LF	CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	493.75	82.27
		For >1,000, Deduct	*-24.69*	
50 89 87 70-0034	LF	CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	513.06	94.94
		For >1,000, Deduct	*-25.65*	
50 89 87 70-0035	LF	CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	626.27	110.76
		For >1,000, Deduct	*-31.31*	
50 89 87 70-0036	LF	CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	734.16	110.76
		For >1,000, Deduct	*-36.71*	
50 89 87 70-0037	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	828.55	132.90
		For >1,000, Deduct	*-41.43*	
50 89 87 70-0038	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	977.44	132.90
		For >1,000, Deduct	*-48.87*	
50 89 87 70-0039	LF	CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,665.05	148.73
		For >1,000, Deduct	*-83.25*	
50 89 87 70-0040	LF	CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,665.05	148.73
		For >1,000, Deduct	*-83.25*	
50 89 87 70-0041	LF	CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,911.66	167.72
		For >1,000, Deduct	*-95.58*	
50 89 87 70-0042	EA	CALTRANS 705007 12" STEEL FLARED END SECTION	534.64	76.28
50 89 87 70-0043	EA	CALTRANS 705009 15" STEEL FLARED END SECTION	620.36	81.73
50 89 87 70-0044	EA	CALTRANS 705011 18" STEEL FLARED END SECTION	743.91	87.18
50 89 87 70-0045	EA	CALTRANS 705013 21" STEEL FLARED END SECTION	928.04	95.35
50 89 87 70-0046	EA	CALTRANS 705015 24" STEEL FLARED END SECTION	1,219.83	103.53
50 89 87 70-0047	EA	CALTRANS 705016 27" STEEL FLARED END SECTION	1,529.03	103.53
50 89 87 70-0048	EA	CALTRANS 705019 30" STEEL FLARED END SECTION	1,843.69	117.15
50 89 87 70-0049	EA	CALTRANS 705023 36" STEEL FLARED END SECTION	3,151.46	141.00
50 89 87 70-0050	EA	CALTRANS 705027 42" STEEL FLARED END SECTION	4,031.59	164.50
50 89 87 70-0051	EA	CALTRANS 705031 48" STEEL FLARED END SECTION	5,775.60	188.00
50 89 87 70-0052	EA	CALTRANS 705035 54" STEEL FLARED END SECTION	6,395.33	235.00
50 89 87 70-0053	EA	CALTRANS 705037 60" STEEL FLARED END SECTION	8,620.55	281.99
50 89 87 70-0054	EA	CALTRANS 705039 66" STEEL FLARED END SECTION	9,708.15	423.00
50 89 87 70-0055	EA	CALTRANS 705041 72" STEEL FLARED END SECTION	11,312.94	563.99
50 89 87 70-0056	EA	CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	625.24	76.28
50 89 87 70-0057	EA	CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	728.51	81.73
50 89 87 70-0058	EA	CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	874.30	87.18
50 89 87 70-0059	EA	CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,101.94	95.35
50 89 87 70-0060	EA	CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,459.62	103.53
50 89 87 70-0061	EA	CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	1,840.20	103.53
50 89 87 70-0062	EA	CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,226.24	117.15
50 89 87 70-0063	EA	CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	3,834.67	141.00
50 89 87 70-0064	EA	CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	4,912.19	164.50
50 89 87 70-0065	EA	CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	7,060.56	188.00
50 89 87 70-0066	EA	CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	7,802.59	235.00
50 89 87 70-0067	EA	CALTRANS 705201 12" CONCRETE FLARED END SECTION	972.70	136.89
50 89 87 70-0068	EA	CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,172.17	170.61
50 89 87 70-0069	EA	CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,422.67	215.97
50 89 87 70-0070	EA	CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,630.27	258.27
50 89 87 70-0071	EA	CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,987.27	298.92
50 89 87 70-0072	EA	CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,395.16	477.40
50 89 87 70-0073	EA	CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,492.94	657.29
50 89 87 70-0074	EA	CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,369.96	829.54
50 89 87 70-0075	EA	CALTRANS 705212 42" CONCRETE FLARED END SECTION	4,050.20	1,040.80
50 89 87 70-0076	EA	CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,392.18	1,173.81
50 89 87 70-0077	EA	CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,923.42	1,314.69
50 89 87 70-0078	EA	CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,453.01	1,314.69
50 89 87 70-0079	EA	CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	789.80	87.18
50 89 87 70-0080	EA	CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	862.29	95.35
50 89 87 70-0081	EA	CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	930.01	103.53
50 89 87 70-0082	EA	CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,408.96	117.15
50 89 87 70-0083	EA	CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	2,710.70	141.00
50 89 87 70-0084	EA	CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	3,638.12	164.50
50 89 87 70-0085	EA	CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	5,622.37	188.00
50 89 87 70-0086	EA	CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	6,436.93	235.00
50 89 87 70-0087	EA	CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	7,775.71	281.99

50 89 87 71 EXISTING DRAINAGE FACILITIES *(50 89 87)*

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRAN Standard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0001	EA	CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	480.07	
50 89 87 71-0002	LF	CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF)	60.09	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000 To 2,000, Deduct	*-8.06*	
		For >2,000 To 5,000, Deduct	*-10.75*	
		For >5,000, Deduct	*-13.43*	
50 89 87 71-0003	CY	CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	256.38	
50 89 87 71-0004	CY	CALTRANS 710370 SAND BACKFILL	62.88	
		For Up To 10, Add	*16.88*	
		For >10 To 25, Add	*6.29*	
50 89 87 71-0005	LF	CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	96.42	
		For >10 To 25, Add	*66.99*	
		For >25 To 50, Add	*44.06*	
		For >50 To 100, Add	*22.03*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000 To 2,000, Deduct	*-5.48*	
		For >2,000 To 5,000, Deduct	*-8.45*	
		For >5,000, Deduct	*-13.45*	
50 89 87 71-0006	LF	CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	136.95	
		For >10 To 25, Add	*80.88*	
		For >25 To 50, Add	*54.34*	
		For >50 To 100, Add	*27.17*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000 To 2,000, Deduct	*-7.24*	
		For >2,000 To 5,000, Deduct	*-11.12*	
		For >5,000, Deduct	*-17.84*	
50 89 87 71-0007	LF	CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	163.17	
		For >10 To 25, Add	*92.23*	
		For >25 To 50, Add	*62.35*	
		For >50 To 100, Add	*31.18*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000 To 2,000, Deduct	*-8.47*	
		For >2,000 To 5,000, Deduct	*-12.99*	
		For >5,000, Deduct	*-20.89*	
50 89 87 71-0008	LF	CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	259.29	
		For >10 To 25, Add	*123.12*	
		For >25 To 50, Add	*85.54*	
		For >50 To 100, Add	*42.77*	
		For >500 To 1,000, Deduct	*-6.61*	
		For >1,000 To 2,000, Deduct	*-12.57*	
		For >2,000 To 5,000, Deduct	*-19.18*	
		For >5,000, Deduct	*-31.11*	
50 89 87 71-0009	LF	CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	310.85	
		For >10 To 25, Add	*143.57*	
		For >25 To 50, Add	*100.22*	
		For >50 To 100, Add	*50.11*	
		For >500 To 1,000, Deduct	*-7.83*	
		For >1,000 To 2,000, Deduct	*-14.92*	
		For >2,000 To 5,000, Deduct	*-22.75*	
		For >5,000, Deduct	*-36.94*	
50 89 87 71-0010	LF	CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	401.64	
		For >10 To 25, Add	*171.76*	
		For >25 To 50, Add	*121.55*	
		For >50 To 100, Add	*60.78*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000 To 2,000, Deduct	*-18.76*	
		For >2,000 To 5,000, Deduct	*-28.54*	
		For >5,000, Deduct	*-46.51*	
50 89 87 71-0011	LF	CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	504.68	
		For >10 To 25, Add	*204.02*	
		For >25 To 50, Add	*145.92*	
		For >50 To 100, Add	*72.96*	
		For >500 To 1,000, Deduct	*-12.00*	
		For >1,000 To 2,000, Deduct	*-23.13*	
		For >2,000 To 5,000, Deduct	*-35.12*	
		For >5,000, Deduct	*-57.39*	
50 89 87 71-0012	LF	CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	673.64	
		For >10 To 25, Add	*258.61*	
		For >25 To 50, Add	*186.85*	
		For >50 To 100, Add	*93.42*	
		For >500 To 1,000, Deduct	*-15.68*	
		For >1,000 To 2,000, Deduct	*-30.35*	
		For >2,000 To 5,000, Deduct	*-46.03*	
		For >5,000, Deduct	*-75.38*	
50 89 87 71-0013	LF	CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	750.34	
		For >10 To 25, Add	*287.73*	
		For >25 To 50, Add	*207.93*	
		For >50 To 100, Add	*103.97*	
		For >500 To 1,000, Deduct	*-17.45*	
		For >1,000 To 2,000, Deduct	*-33.80*	
		For >2,000 To 5,000, Deduct	*-51.25*	
		For >5,000, Deduct	*-83.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014	LF	CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	900.42	
		For >10 To 25, Add	*337.61*	
		For >25 To 50, Add	*245.08*	
		For >50 To 100, Add	*122.54*	
		For >500 To 1,000, Deduct	*-20.76*	
		For >1,000 To 2,000, Deduct	*-40.27*	
		For >2,000 To 5,000, Deduct	*-61.03*	
		For >5,000, Deduct	*-100.04*	
50 89 87 71-0015	LF	CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	1,052.16	
		For >10 To 25, Add	*391.65*	
		For >25 To 50, Add	*284.74*	
		For >50 To 100, Add	*142.37*	
		For >500 To 1,000, Deduct	*-24.19*	
		For >1,000 To 2,000, Deduct	*-46.95*	
		For >2,000 To 5,000, Deduct	*-71.13*	
		For >5,000, Deduct	*-116.65*	
50 89 87 71-0016	LF	CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,206.35	
		For >10 To 25, Add	*451.82*	
		For >25 To 50, Add	*328.07*	
		For >50 To 100, Add	*164.04*	
		For >500 To 1,000, Deduct	*-27.80*	
		For >1,000 To 2,000, Deduct	*-53.93*	
		For >2,000 To 5,000, Deduct	*-81.73*	
		For >5,000, Deduct	*-133.99*	
50 89 87 71-0017	LF	CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,578.86	
		For >10 To 25, Add	*583.69*	
		For >25 To 50, Add	*424.96*	
		For >50 To 100, Add	*212.48*	
		For >500 To 1,000, Deduct	*-36.20*	
		For >1,000 To 2,000, Deduct	*-70.29*	
		For >2,000 To 5,000, Deduct	*-106.49*	
		For >5,000, Deduct	*-174.68*	
50 89 87 71-0018	LF	CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	2,012.03	
		For >10 To 25, Add	*760.93*	
		For >25 To 50, Add	*551.43*	
		For >50 To 100, Add	*275.71*	
		For >500 To 1,000, Deduct	*-46.55*	
		For >1,000 To 2,000, Deduct	*-90.22*	
		For >2,000 To 5,000, Deduct	*-136.77*	
		For >5,000, Deduct	*-224.13*	
50 89 87 71-0019	LF	CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	193.69	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.52*	
		For >2,000, Deduct	*-7.04*	
50 89 87 71-0020	LF	CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	218.78	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.81*	
		For >2,000, Deduct	*-7.62*	
50 89 87 71-0021	LF	CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	265.99	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.16*	
		For >2,000, Deduct	*-8.32*	
50 89 87 71-0022	LF	CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	33.47	
50 89 87 71-0023	LF	CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	50.22	
50 89 87 71-0024	LF	CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	67.65	
50 89 87 71-0025	LF	CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	83.93	
50 89 87 71-0026	LF	CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	109.95	
50 89 87 71-0027	LF	CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	131.94	
50 89 87 71-0028	LF	CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	151.04	
50 89 87 71-0029	LF	CALTRANS 710448 12" CEMENTITIOUS PIPELINER	81.05	
50 89 87 71-0030	LF	CALTRANS 710450 15" CEMENTITIOUS PIPELINER	90.82	
50 89 87 71-0031	LF	CALTRANS 710452 18" CEMENTITIOUS PIPELINER	96.74	
50 89 87 71-0032	LF	CALTRANS 710454 21" CEMENTITIOUS PIPELINER	103.72	
50 89 87 71-0033	LF	CALTRANS 710456 24" CEMENTITIOUS PIPELINER	110.55	
50 89 87 71-0034	LF	CALTRANS 710458 27" CEMENTITIOUS PIPELINER	115.99	
50 89 87 71-0035	LF	CALTRANS 710460 30" CEMENTITIOUS PIPELINER	121.25	
50 89 87 71-0036	LF	CALTRANS 710462 36" CEMENTITIOUS PIPELINER	116.42	
50 89 87 71-0037	LF	CALTRANS 710478 36" WELDED STEEL PIPELINER	772.42	
50 89 87 71-0038	LF	CALTRANS 710480 42" WELDED STEEL PIPELINER	891.50	
50 89 87 71-0039	LF	CALTRANS 710482 48" WELDED STEEL PIPELINER	1,013.79	
50 89 87 71-0040	LF	CALTRANS 710484 54" WELDED STEEL PIPELINER	1,235.37	
50 89 87 71-0041	LF	CALTRANS 710486 60" WELDED STEEL PIPELINER	1,337.21	
50 89 87 71-0042	LF	CALTRANS 710488 66" WELDED STEEL PIPELINER	1,460.95	
50 89 87 71-0043	LF	CALTRANS 710490 72" WELDED STEEL PIPELINER	1,741.88	
50 89 87 71-0044	LF	CALTRANS 710491 78" WELDED STEEL PIPELINER	1,838.89	
50 89 87 71-0045	LF	CALTRANS 710492 84" WELDED STEEL PIPELINER	1,947.52	
50 89 87 71-0046	LF	CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	713.01	
50 89 87 71-0047	LF	CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	894.80	
50 89 87 71-0048	LF	CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	1,120.84	
50 89 87 71-0049	LF	CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	1,356.91	
50 89 87 71-0050	LF	CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	855.87	
50 89 87 71-0051	LF	CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	987.15	
50 89 87 71-0052	LF	CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,122.20	
50 89 87 71-0053	LF	CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,374.19	
50 89 87 71-0054	LF	CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,485.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,946.95	
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	144.31	
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	181.50	
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	224.64	
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	259.86	
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	298.36	
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	341.90	
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	387.04	
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	451.25	
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	518.76	
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	574.95	
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	631.13	
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	725.67	
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	820.21	
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	1,068.90	
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	1,314.34	
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	1,388.40	
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	1,751.35	
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	175.65	
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	220.95	
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	273.85	
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	316.94	
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	364.10	
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	417.50	
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	472.89	
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	551.92	
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	635.04	
50 89 87 71-0082	LF	CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	704.12	
50 89 87 71-0083	LF	CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	773.21	
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	889.85	
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	1,006.49	
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	1,314.28	
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	1,618.04	
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	1,709.28	
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	2,158.17	
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	216.13	
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	271.90	
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	337.42	
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	390.66	
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	449.00	
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	515.14	
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	583.77	
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	681.94	
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	785.24	
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	870.98	
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	956.73	
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	1,101.91	
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	1,247.10	
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	1,631.23	
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	2,010.32	
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	2,123.76	
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	2,683.65	

50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION *(50 89 80)*

50 89 88 73 CONCRETE CURBS AND SIDEWALKS *(50 89 88)*

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	31.63	
		For Up To 20, Add	*19.25*	
		For >20 To 50, Add	*10.92*	
		For >50 To 100, Add	*4.17*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-7.04*	
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	36.29	
		For Up To 20, Add	*21.47*	
		For >20 To 50, Add	*12.16*	
		For >50 To 100, Add	*4.66*	
		For >500 To 1,000, Deduct	*-4.66*	
		For >1,000, Deduct	*-7.89*	
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	33.29	
		For Up To 20, Add	*19.67*	
		For >20 To 50, Add	*11.14*	
		For >50 To 100, Add	*4.27*	
		For >500 To 1,000, Deduct	*-4.27*	
		For >1,000, Deduct	*-7.23*	
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	38.48	
		For Up To 20, Add	*21.91*	
		For >20 To 50, Add	*12.38*	
		For >50 To 100, Add	*4.77*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-8.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	53.44	
		For Up To 20, Add	*29.87*	
		For >20 To 50, Add	*16.86*	
		For >50 To 100, Add	*6.51*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000, Deduct	*-11.10*	
50 89 88 73-0006	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	46.39	
		For Up To 20, Add	*25.26*	
		For >20 To 50, Add	*14.23*	
		For >50 To 100, Add	*5.52*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-9.43*	
50 89 88 73-0007	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	65.22	
		For Up To 20, Add	*34.84*	
		For >20 To 50, Add	*19.60*	
		For >50 To 100, Add	*7.62*	
		For >500 To 1,000, Deduct	*-7.62*	
		For >1,000, Deduct	*-13.06*	
50 89 88 73-0008	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	42.00	
		For Up To 20, Add	*28.60*	
		For >20 To 50, Add	*16.00*	
		For >50 To 100, Add	*6.30*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-9.29*	
50 89 88 73-0009	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	50.83	
		For Up To 20, Add	*34.60*	
		For >20 To 50, Add	*19.35*	
		For >50 To 100, Add	*7.62*	
		For >500 To 1,000, Deduct	*-6.64*	
		For >1,000, Deduct	*-11.23*	
50 89 88 73-0010	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	66.32	
		For Up To 20, Add	*45.17*	
		For >20 To 50, Add	*25.28*	
		For >50 To 100, Add	*9.95*	
		For >500 To 1,000, Deduct	*-8.70*	
		For >1,000, Deduct	*-14.70*	
50 89 88 73-0011	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	69.82	
		For Up To 20, Add	*47.53*	
		For >20 To 50, Add	*26.58*	
		For >50 To 100, Add	*10.47*	
		For >500 To 1,000, Deduct	*-9.13*	
		For >1,000, Deduct	*-15.44*	
50 89 88 73-0012	SF	CALTRANS 730070 DETECTABLE WARNING SURFACE	59.49	
50 89 88 73-0013	CY	CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	215.17	
		For Up To 20, Add	*15.29*	
		For >20 To 50, Add	*5.73*	
		For >100 To 200, Deduct	*-4.30*	
		For >200 To 400, Deduct	*-8.61*	
		For >400, Deduct	*-12.91*	
50 89 88 73-0014	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	10.85	
		For Up To 100, Add	*4.74*	
		For >100 To 500, Add	*1.35*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.76*	
50 89 88 73-0015	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	12.65	
		For Up To 100, Add	*5.34*	
		For >100 To 500, Add	*1.50*	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.94*	
50 89 88 73-0016	LF	CALTRANS 731700 REMOVE CURB	13.31	
50 89 88 73-0017	LF	CALTRANS 731710 REMOVE CONCRETE CURB (LF)	21.32	
		For Up To 20, Add	*14.92*	
		For >20 To 50, Add	*8.53*	
		For >50 To 100, Add	*3.20*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-5.33*	
50 89 88 73-0018	SY	CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	113.96	
		For Up To 100, Add	*48.06*	
		For >100 To 500, Add	*13.53*	
		For >1,000 To 5,000, Deduct	*-7.83*	
		For >5,000, Deduct	*-17.44*	
50 89 88 73-0019	LF	CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	35.51	
		For Up To 20, Add	*24.86*	
		For >20 To 50, Add	*14.20*	
		For >50 To 100, Add	*5.33*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-8.88*	

50 89 88 78 INCIDENTAL CONSTRUCTION *(50 89 88)*

50 89 88 78-0001	EA	CALTRANS 780210 SURVEY MONUMENT (TYPE A)	654.82	
50 89 88 78-0002	EA	CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	256.86	
50 89 88 78-0003	SF	CALTRANS 780433 PAINT CURB (2-COAT)	7.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004	SF	CALTRANS 780460 ANTI-GRAFFITI COATING	1.99	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
50 89 88 78-0005	EA	CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE)	111.82	24.07

50 89 88 80 FENCES *(50 89 88)*

Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.

50 89 88 80-0001	LF	CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST)	14.40	
50 89 88 80-0002	LF	CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST)	15.27	
50 89 88 80-0003	LF	CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST)	17.60	
50 89 88 80-0004	LF	CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST)	16.34	
50 89 88 80-0005	LF	CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST)	13.55	
50 89 88 80-0006	LF	CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST)	18.46	
50 89 88 80-0007	LF	CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)	8.73	
50 89 88 80-0008	LF	CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD)	52.32	
		For Up To 100, Add	*9.80*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.59*	
50 89 88 80-0009	LF	CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)	50.76	
		For Up To 100, Add	*9.53*	
		For >100 To 250, Add	*3.50*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-3.50*	
50 89 88 80-0010	LF	CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)	52.39	
		For Up To 100, Add	*9.81*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.59*	
50 89 88 80-0011	LF	CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	54.11	
		For Up To 100, Add	*10.07*	
		For >100 To 250, Add	*3.68*	
		For >2,500 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-3.68*	
50 89 88 80-0012	LF	CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)	56.17	
		For Up To 100, Add	*10.44*	
		For >100 To 250, Add	*3.81*	
		For >2,500 To 5,000, Deduct	*-1.91*	
		For >5,000, Deduct	*-3.81*	
50 89 88 80-0013	LF	CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)	58.33	
		For Up To 100, Add	*10.76*	
		For >100 To 250, Add	*3.92*	
		For >2,500 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.92*	
50 89 88 80-0014	LF	CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)	60.67	
		For Up To 100, Add	*11.24*	
		For >100 To 250, Add	*4.10*	
		For >2,500 To 5,000, Deduct	*-2.05*	
		For >5,000, Deduct	*-4.10*	
50 89 88 80-0015	LF	CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)	65.07	
		For Up To 100, Add	*11.90*	
		For >100 To 250, Add	*4.32*	
		For >2,500 To 5,000, Deduct	*-2.16*	
		For >5,000, Deduct	*-4.32*	
50 89 88 80-0016	LF	CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)	62.55	
		For Up To 100, Add	*11.52*	
		For >100 To 250, Add	*4.20*	
		For >2,500 To 5,000, Deduct	*-2.10*	
		For >5,000, Deduct	*-4.20*	
50 89 88 80-0017	LF	CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)	125.74	
		For Up To 100, Add	*21.54*	
		For >100 To 250, Add	*7.63*	
		For >2,500 To 5,000, Deduct	*-3.81*	
		For >5,000, Deduct	*-7.63*	
50 89 88 80-0018	LF	CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)	71.13	
		For Up To 100, Add	*13.04*	
		For >100 To 250, Add	*4.74*	
		For >2,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-4.74*	
50 89 88 80-0019	EA	CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4)	455.09	
50 89 88 80-0020	EA	CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4)	537.76	
50 89 88 80-0021	EA	CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4)	632.62	
50 89 88 80-0022	EA	CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4)	1,529.22	
50 89 88 80-0023	EA	CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5)	959.33	
50 89 88 80-0024	EA	CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5)	2,159.79	
50 89 88 80-0025	EA	CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5)	2,499.94	
50 89 88 80-0026	EA	CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5)	2,792.45	
50 89 88 80-0027	EA	CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6)	464.69	
50 89 88 80-0028	EA	CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6)	587.20	
50 89 88 80-0029	EA	CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD)	305.70	
50 89 88 80-0030	EA	CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	606.28	
50 89 88 80-0031	EA	CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED)	627.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA	CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6)	686.76	
50 89 88 80-0033	EA	CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6)	797.85	
50 89 88 80-0034	EA	CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6)	1,024.83	
50 89 88 80-0035	EA	CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	1,045.63	
50 89 88 80-0036	EA	CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6)	1,136.63	
50 89 88 80-0037	EA	CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6)	1,679.95	
50 89 88 80-0038	EA	CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6)	1,990.99	
50 89 88 80-0039	EA	CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6)	2,373.19	
50 89 88 80-0040	EA	CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6)	2,690.61	
50 89 88 80-0041	EA	CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6)	3,017.38	
50 89 88 80-0042	EA	CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6)	3,349.11	
50 89 88 80-0043	EA	CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6)	4,025.89	
50 89 88 80-0044	EA	CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7)	3,185.76	
50 89 88 80-0045	LF	CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM)	73.01	
		For Up To 100, Add	*13.32*	
		For >100 To 250, Add	*4.83*	
		For >2,500 To 5,000, Deduct	*-2.42*	
		For >5,000, Deduct	*-4.83*	
50 89 88 80-0046	EA	CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8)	724.86	
50 89 88 80-0047	EA	CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	743.94	
50 89 88 80-0048	EA	CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8)	969.96	
50 89 88 80-0049	EA	CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	1,263.56	
50 89 88 80-0050	EA	CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD)	1,701.87	
50 89 88 80-0051	LF	CALTRANS 803050 REMOVE CHAIN LINK FENCE	7.24	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.72*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.72*	
50 89 88 80-0052	EA	CALTRANS 803060 REMOVE GATE	327.28	
50 89 88 80-0053	EA	CALTRANS 803160 RESET GATE	1,537.01	
50 89 88 80-0054	LF	CALTRANS 803180 RELOCATE CHAIN LINK FENCE	33.21	

50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES *(50 89 80)*

50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES *(50 89 89)*

50 89 89 81-0001	EA	CALTRANS 810120 REMOVE PAVEMENT MARKER	2.93	
		For >100, Deduct	*-0.29*	
50 89 89 81-0002	EA	CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE)	7.88	2.93
		For >100, Deduct	*-0.79*	
		For >100, Deduct	*-0.79*	
50 89 89 81-0003	EA	CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE)	9.11	2.93
		For >100, Deduct	*-0.91*	
		For >100, Deduct	*-0.91*	
50 89 89 81-0004	EA	CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	85.70	36.19

50 89 89 82 SIGNS AND MARKERS *(50 89 89)*

50 89 89 82-0001	EA	CALTRANS 820110 MILEPOST MARKER	214.36	
50 89 89 82-0002	SF	CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	27.56	40.83
50 89 89 82-0003	SF	CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	28.32	26.42

50 89 89 83 RAILINGS AND BARRIERS *(50 89 89)*

50 89 89 83-0001	LF	CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST)	65.20	11.55
50 89 89 83-0002	LF	CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST)	132.46	17.84
50 89 89 83-0003	LF	CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST)	163.56	3.17
50 89 89 83-0004	LF	CALTRANS 839752 REMOVE GUARDRAIL	11.55	

50 89 89 84 MARKINGS *(50 89 89)*

50 89 89 84-0001	LF	CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE	3.00	
		For Up To 5,000 LF, Add	*0.60*	
		For >25,000 LF, Deduct	*-0.45*	
50 89 89 84-0002	LF	CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE	3.97	
		For Up To 5,000 LF, Add	*0.79*	
		For >25,000 LF, Deduct	*-0.60*	
50 89 89 84-0003	LF	CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4)	1.72	
		For Up To 5,000 LF, Add	*0.34*	
		For >25,000 LF, Deduct	*-0.26*	
50 89 89 84-0004	LF	CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.41	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
50 89 89 84-0005	SF	CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING	12.09	
50 89 89 84-0006	SF	CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	12.09	
50 89 89 84-0007	LF	CALTRANS840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	0.91	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.14*	
50 89 89 84-0008	LF	CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.08	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009	LF	CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	1.29	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.19*	
50 89 89 84-0010	LF	CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	1.50	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.23*	
50 89 89 84-0011	LF	CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12)	2.14	
		For Up To 5,000 LF, Add	*0.43*	
		For >25,000 LF, Deduct	*-0.32*	
50 89 89 84-0012	LF	CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	1.70	
		For Up To 5,000 LF, Add	*0.34*	
		For >25,000 LF, Deduct	*-0.26*	
50 89 89 84-0013	LF	CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.88	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
50 89 89 84-0014	LF	CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	1.06	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0015	LF	CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3)	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0016	LF	CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1)	0.54	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0017	LF	CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3)	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0018	LF	CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.47	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
50 89 89 84-0019	LF	CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7)	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0020	LF	CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12)	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0021	LF	CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4)	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0022	LF	CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.73	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
50 89 89 84-0023	SF	CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	8.99	
50 89 89 84-0024	SF	CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS	7.35	
50 89 89 84-0025	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
50 89 89 84-0026	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.53	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0027	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.65	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0028	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
50 89 89 84-0029	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
50 89 89 84-0030	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.31	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.20*	
50 89 89 84-0031	SF	CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	7.35	
50 89 89 84-0032	SF	CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	11.23	
50 89 89 84-0033	LF	CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE	2.38	
		For Up To 250, Add	*1.19*	
		For >250 To 1,000, Add	*0.60*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 25,000, Deduct	*-0.60*	
		For >25,000 To 50,000, Deduct	*-0.83*	
		For >50,000, Deduct	*-0.95*	
50 89 89 84-0034	SF	CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	4.12	
		For Up To 250, Add	*2.06*	
		For >250 To 1,000, Add	*1.03*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000 To 25,000, Deduct	*-1.03*	
		For >25,000 To 50,000, Deduct	*-1.44*	
		For >50,000, Deduct	*-1.65*	
50 89 89 84-0035	LF	CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE	3.62	
		For Up To 250, Add	*1.81*	
		For >250 To 1,000, Add	*0.91*	
		For >5,000 To 10,000, Deduct	*-0.54*	
		For >10,000 To 25,000, Deduct	*-0.91*	
		For >25,000 To 50,000, Deduct	*-1.27*	
		For >50,000, Deduct	*-1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0036	SF	CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	5.23	
		For Up To 250, Add	*2.62*	
		For >250 To 1,000, Add	*1.31*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000 To 25,000, Deduct	*-1.31*	
		For >25,000 To 50,000, Deduct	*-1.83*	
		For >50,000, Deduct	*-2.09*	

END OF SECTION 50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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